RESOLUTION NO. 22056

Background

The Illinois State Toll Highway Authority ("Tollway") advertised for sealed bids on Contract I-17-4339 for Roadway and Bridge Widening and Reconstruction on the Tri-State Tollway (I-294) between Mile Post 35.04 (south of Grand Avenue) to Mile Post 36.70 (Wolf Road) and Elgin O'Hare Western Access Tollway (I-490) Ramp S1 and Ramp S2. The lowest responsive and responsible bidder on Contract No. I-17-4339 is Judlau Contracting, Inc. in the amount of $151,574,098.56.

Resolution

Contract No. I-17-4339 is awarded to Judlau Contracting, Inc. in the amount of $151,574,098.56, subject to all required approvals, the contractor satisfying applicable DBE, financial and all other contract award requirements, and execution of all contract documents by the bidder and the Tollway.

The Chairman/Chief Executive Officer of the Tollway is authorized to execute the aforementioned Contract, subject to the approval of the General Counsel and the Chief Financial Officer, and the Chief Financial Officer is authorized to issue warrants in payment thereof.

If the bidder fails to satisfy the contract award requirements, the Executive Director is authorized to approve an award to the next lowest responsible bidder, in accordance with the applicable contract award requirements, and execution of all contract documents by the bidder and the Tollway. The Chairman/Chief Executive Officer of the Tollway is authorized to execute any contract awarded to the next lowest bidder, subject to the approval of the General Counsel and the Chief Financial Officer, and the Chief Financial Officer is authorized to issue warrants in payment thereof.

Approved by: [redacted]

Chairman

RETURN WITH BID

CONTRACT I-17-4339

ELGIN O'HARE WEST ACCESS TOLLWAY (I-490) ROADWAY AND BRIDGE WIDENING AND RECONSTRUCTION

TRI-STATE TOLLWAY SOUTH OF GRAND AVENUE TO WOLF ROAD MILE POST 35.04 TO MILE POST 36.70

WESTERN ACCESS TOLLWAY (I-490) RAMP S1 AND RAMP S2 MILE POST 00.00 TO MILE POST 00.25

Illinois Tollway
2700 Ogden Avenue Downers Grove, IL 60515

VOLUME I

REQUIRED DOCUMENTS

ADDENDUM NO. 3
TO
CONTRACT REQUIREMENTS
FOR CONTRACT I-17-4339
ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: 5/26/2020

For which proposals will be received by the Illinois State Toll Highway Authority through electronic bidding via BidBuy until 10:30 a.m. local time on **June 5, 2020**

NOTICE OF REVISION TO CONTRACT

NOTES:

1. A complete set of Schedule of Prices is included with this Addendum and must be inserted into the Contract Bid by the Bidder. The Bidder's attention is called to pages P-36RR, P-38R and P-44RR which have been revised and included as part of the Schedule of Prices.

2. The following revised Special Provision pages are included in the Contract with this Addendum: J-128R, J-129R, J-565R through J-567R and J-699R.

3. The following new Special Provision pages are included in the Contract with this Addendum: J-664A, J-699A through J-699D and J-705A through J-705D.

4. The following revised Special Provision pages will be issued to the successful bidder: iiRR, viiR, and viiiRR.

5. The following revised Contract Drawings are included in this Addendum:

   Volume 2 – Drawings 478, 480, 482, 483, 487, 488 and 515.

6. Revised Contract Drawings 8 through 20 will be issued to the successful Bidder. The revised drawings will reflect the quantity changes shown in the "Summary of Revisions to Pay Item Quantities" table included in this addendum.

7. Revised Contract Drawings 1113 through 1115, 1334 and 1335 will be issued to the successful Bidder.

8. Responses to Request for Information received from the Plan Holders after the Pre-Bid Meeting are included in this Addendum.

CHANGES TO THE CONTRACT REQUIREMENTS

CHANGES TO THE SCHEDULE OF PRICES

SUMMARY OF REVISIONS TO PAY ITEM QUANTITIES						
SP. PROV.	**PAY ITEM NO.**	**DESCRIPTION**	**UNIT**	**ORIGINAL QUANTITY**	**CHANGE**	**NEW QUANTITY**
**	JS810835	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	30	+863	913
**	JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	185	+615	800
**	JS825004	LIGHTING CONTROLLER, 200 AMPERE	EACH	3	-2	1
*	JT825025	TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED	EACH	0	+2	2

* Indicates Special Provision
** Indicates Tollway Supplemental Special Provision

Change #1 Contract Requirements, Volume I, pages P-36R, P-38 and P-44R replaced with pages P-36RR, P-38R and P-44RR. These replacements contain the following revisions (attached):

1.1. The quantities for various pay items were revised as listed in the Summary of Revisions to Pay Item Quantities in Changes to the Schedule of Prices table above.

CHANGES TO THE CONTRACT SPECIAL PROVISIONS

Change #2 Contract Requirements, Volume II and Volume III, replaced Pages iiR, vii and viiiR with Pages iiRR, viiR and viiiRR (issued to the successful Bidder).
These replacements contain the following revisions:

2.1. Revised Table of Contents sheets to reflect special provision Change #3 to Change #7.

Change #3 Contract Requirements, Volume II replaced Pages J-128 and J-129 with Pages J-128R and J-129R (attached).
These replacements contain the following revisions:

3.1. Revised information for contract specific sites.

Change #4 Contract Requirements, Volume III replaced Pages J-565 to J-567 with page J-565R to J-567R (attached). These replacements contain the following revision:

4.1. Revised special provision for SUBGRADE AGGREGATE for May 11, 2020 version.

Change #5 Contract Requirements, Volume III added Page J-664A (attached).
This new special provision contains the following:

5.1. Added special provision for TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED.

Change #6 Contract Requirements, Volume III, replaced Page J-669 with page J-669R and added Pages J-669A to J-669D (attached).
These replacement/additions contain the following revision:

6.1. Revised special provision for QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES for May 11, 2020 version.

Change #7 Contract Requirements, Volume III, added Pages J-705A to J-705D (attached).
This new special provision contains the following:
7.1. Added special provision for PRODUCTION OF RECYCLED AGGREGATE dated May 11, 2020.

CHANGES TO THE CONTRACT DRAWINGS

Change #8 Contract Plans, Volume 1, Drawings 8 through 20. Summary of Quantities.
These drawings contain the following revisions (issued to successful Bidder):
8.1. Revised quantity for pay items as noted in the revised Summary of Revisions to Pay Item Quantities on page 2.
8.2. Added pay item and quantity for JT825025.

Change #9 Contract Plans, Volume 2, Revised Drawing 478.
This revised drawing contains the following revisions (attached):
9.1. Revised Note 2.
9.2. Revised callout for temporary wood pole with temporary lighting controller.

Change #10 Contract Plans, Volume 2, Revised Drawing 480.
This revised drawing contains the following revision (attached):
10.1. Revised pole callout.
10.2. Revised wood pole height.
10.3. Added temporary controller pay item number.

Change #11 Contract Plans, Volume 2, Revised Drawing 482.
This revised drawing contains the following revisions (attached):
11.1. Added Note 6.
11.2. Added Note 6 to revised callouts.

Change #12 Contract Plans, Volume 2, Revised Drawing 483.
This revised drawing contains the following revision (attached):
12.1. Revised pole callouts at seven locations.
12.2. Revised conduit callout in westbound direction.
12.3. Added note.

Change #13 Contract Plans, Volume 2, Revised Drawing 487.
This revised drawing contains the following revision (attached):
13.1. Revised sheet reference in Note 3.

Change #14 Contract Plans, Volume 2, Revised Drawing 488.
This revised drawing contains the following revision (attached):
14.1. Added three callouts for proposed junction boxes.

Change #15 Contract Plans, Volume 2, Revised Drawing 515.
This revised drawing contains the following revision (attached):
15.1. Revised pay item numbers in callout.

Change #16 Contract Plans, Volume 5, Revised Drawings 1113 through 1115 (to be issued to the successful Bidder).
These revised drawings contain the following revision:
16.1. Station range for TS.35.35R,SB(R) revised from Sta 1893+00 to Sta 1892+00 for incidental select fill between the reinforced soil mass and the face of existing retaining wall.

Change #17 Contract Plans, Volume 6, Revised Drawings 1334 and 1335 (to be issued to the successful Bidder). These revised drawings contain the following revision:

17.1. Station range for TS.35.35R,SB(R) revised from Sta 1893+00 to Sta 1892+00 for incidental select fill between the reinforced soil mass and the face of existing retaining wall.

END OF ADDENDUM CHANGES

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-17-4339
ELGIN O'HARE WEST ACCESS TOLLWAY (I-490)
ROADWAY AND BRIDGE WIDENING AND RECONSTRUCTION
TRI-STATE TOLLWAY (I-294)
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MILE POST 35.04 TO MILE POST 36.70
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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	564		
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	515		
*	20100500	TREE REMOVAL, ACRES	ACRE	1.00		
	20101000	TEMPORARY FENCE	FOOT	1,647		
*	20200100	EARTH EXCAVATION	CU YD	145,750		
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,422		
*	20400800	FURNISHED EXCAVATION	CU YD	83,529		
	20800150	TRENCH BACKFILL	CU YD	20,828		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	203		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	602		
	25100127	MULCH, METHOD 3A	ACRE	71.00		
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4,267		
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	42,008		
	28100107	STONE RIPRAP, CLASS A4	SQ YD	162		
	28100205	STONE RIPRAP, CLASS A3	TON	20,135		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	28100211	STONE RIPRAP, CLASS A6	TON	324		
	28200200	FILTER FABRIC	SQ YD	20,716		
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	7,916		
	42001300	PROTECTIVE COAT	SQ YD	105,587		
	44000100	PAVEMENT REMOVAL	SQ YD	73,578		
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,247		
	44000400	GUTTER REMOVAL	FOOT	8,225		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	143		
*	44001980	CONCRETE BARRIER REMOVAL	FOOT	391		
	44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	18		
	44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	15		
	44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	22		
	44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	271		
	45100100	CRACK ROUTING (PAVEMENT)	FOOT	730		
	45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	384		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		
	50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1		
	50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1		
	50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1		
	50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1		
	50102400	CONCRETE REMOVAL	CU YD	161.6		
	50104400	CONCRETE HEADWALL REMOVAL	EACH	9		
	50157300	PROTECTIVE SHIELD	SQ YD	15,482		
	50200100	STRUCTURE EXCAVATION	CU YD	43,589		
	50200300	COFFERDAM EXCAVATION	CU YD	2,142		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	7,751		
	50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		
	50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1		
	50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH	1		
	50201125	COFFERDAM (TYPE 2) (LOCATION - 5)	EACH	1		
	50201126	COFFERDAM (TYPE 2) (LOCATION - 6)	EACH	1		
	50300225	CONCRETE STRUCTURES	CU YD	6,907.7		
	50300254	RUBBED FINISH	SQ FT	29,887		
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,137.6		
	50300265	SEAL COAT CONCRETE	CU YD	543.0		
	50300280	CONCRETE ENCASEMENT	CU YD	34.0		
	50300285	FORM LINER TEXTURED SURFACE	SQ FT	18,274		
	50300300	PROTECTIVE COAT	SQ YD	54,729		
	50500505	STUD SHEAR CONNECTORS	EACH	62,136		
*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,306,153		
	50800515	BAR SPLICERS	EACH	6,176		
	50800530	MECHANICAL SPLICERS	EACH	256		
	50901760	PIPE HANDRAIL	FOOT	91		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	51100100	SLOPE WALL 4 INCH	SQ YD	36		
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	7,152		
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	16,596		
	51202000	FURNISHING STEEL PILES HP14X102	FOOT	4,389		
	51202100	FURNISHING STEEL PILES HP14X117	FOOT	37,384		
	51202305	DRIVING PILES	FOOT	65,521		
	51203600	TEST PILE STEEL HP12X53	EACH	12		
	51203900	TEST PILE STEEL HP14x89	EACH	10		
	51204000	TEST PILE STEEL HP14X102	EACH	4		
	51204100	TEST PILE STEEL HP14x117	EACH	16		
	51204650	PILE SHOES	EACH	866		
	51602000	PERMANENT CASING	FOOT	557		
	51603000	DRILLED SHAFT IN SOIL	CU YD	4		
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	86		
	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6		

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	52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6		
	52100510	ANCHOR BOLTS, 3/4"	EACH	120		
	52100520	ANCHOR BOLTS, 1"	EACH	8		
	52100530	ANCHOR BOLTS, 1 1/4"	EACH	252		
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	40		
	52100560	ANCHOR BOLTS, 2"	EACH	48		
	52200010	TEMPORARY SHEET PILING	SQ FT	7,074		
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	28,894		
	52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	2,217		
	52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	9,140		
	52200250	UNTREATED TIMBER LAGGING	SQ FT	6,174		
*	52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	3,548		
	542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	102		
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4		
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	434		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	4,815		
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	5,555		
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,787		
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	1,248		
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	749		
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	373		
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	872		
	550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	262		
	550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	363		
	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	256		
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	480		
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	248		
	550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	175		
	550A0790	STORM SEWERS, CLASS A, TYPE 3 54"	FOOT	114		
	550A1010	STORM SEWERS, CLASS A, TYPE 4 24"	FOOT	18		

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	550A1080	STORM SEWERS, CLASS A, TYPE 4 48"	FOOT	185		
	550A1090	STORM SEWERS, CLASS A, TYPE 4 54"	FOOT	385		
	550A1360	STORM SEWERS, CLASS A, TYPE 5 54"	FOOT	337		
	55100200	STORM SEWER REMOVAL 6"	FOOT	411		
	55100500	STORM SEWER REMOVAL 12"	FOOT	1,285		
	55100700	STORM SEWER REMOVAL 15"	FOOT	2,079		
	55100900	STORM SEWER REMOVAL 18"	FOOT	2,208		
	55101200	STORM SEWER REMOVAL 24"	FOOT	590		
	55101300	STORM SEWER REMOVAL 27"	FOOT	213		
	55101400	STORM SEWER REMOVAL 30"	FOOT	310		
	55101600	STORM SEWER REMOVAL 36"	FOOT	541		
	55101800	STORM SEWER REMOVAL 42"	FOOT	1,285		
	55101900	STORM SEWER REMOVAL 48"	FOOT	256		
	55201700	STORM SEWERS JACKED IN PLACE, 54"	FOOT	365		
ISSP	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1,581		

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	58700300	CONCRETE SEALER	SQ FT	11,859		
	59000200	EPOXY CRACK INJECTION	FOOT	36		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	2,056		
	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	1,639		
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3		
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5		
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1		
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5		
	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1		
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
	60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1		

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	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3		
	60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2		
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1		
*	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3		
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6		
	60256400	MANHOLES TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	4		
	60258800	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 8 GRATE	EACH	1		
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2		
	60500040	REMOVING MANHOLES	EACH	40		
	60500050	REMOVING CATCH BASINS	EACH	40		
	60500060	REMOVING INLETS	EACH	18		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	56		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	74		
	63200310	GUARDRAIL REMOVAL	FOOT	8,540		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	18		
BDE	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	7,584		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE,NARROW), TEST LEVEL 3	EACH	19		
	70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	1		
D1	72000100	SIGN PANEL - TYPE 1	SQ FT	30		
D1	72000200	SIGN PANEL - TYPE 2	SQ FT	92		
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	20		
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	7		
	72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	956		
D1	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	35		
D1	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	42		
	72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3,950		
	73000100	WOOD SIGN SUPPORT	FOOT	74		
	73400100	CONCRETE FOUNDATIONS	CU YD	12		
	73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1		
	73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1		
	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	8		

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	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	8		
	73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	3		
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,612		
	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	99,498		
	78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	6,402		
	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	366		
	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	2,710		
	78100300	REPLACEMENT REFLECTOR	EACH	12		
D1	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		
D1	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		
D1	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,730		
D1	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	467		
D1	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	387		
D1	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	606		
D1	81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,223		

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D1	81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	20		
	81200215	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	FOOT	853		
	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	22		
	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	11		
D1	81400100	HANDHOLE	EACH	13		
D1	81400200	HEAVY-DUTY HANDHOLE	EACH	5		
D1	81400300	DOUBLE HANDHOLE	EACH	3		
	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1		
D1	81603055	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,482		
D1	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4,351		
D1	81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	70		
	81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	12,440		
D1	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	15		
D1	82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	22		
	82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	83050770	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	EACH	8		
	83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	8		
	83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	25		
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8		
	84400405	RELOCATE EXISTING WOOD POLES	EACH	5		
D1	86000100	MASTER CONTROLLER	EACH	1		
	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2		
D1	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	399		
D1	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,034		
D1	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,796		
D1	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,906		
D1	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,003		
	87301740	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 22 4 PAIR	FOOT	185		
D1	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	346		
D1	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,117		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
D1	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		
D1	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		
D1	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		
D1	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	2		
D1	87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1		
D1	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2		
D1	87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1		
D1	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		
D1	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24		
D1	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		
	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14		
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	94		
D1	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11		
D1	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3		
D1	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
D1	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		
D1	88055150	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		
D1	88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3		
D1	88055190	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		
D1	88055200	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		
D1	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	20		
	88500100	INDUCTIVE LOOP DETECTOR	EACH	16		
D1	88600100	DETECTOR LOOP, TYPE I	FOOT	943		
	88700200	LIGHT DETECTOR	EACH	2		
D1	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		
D1	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3		
D1	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2		
D1	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		
	89502380	REMOVE EXISTING HANDHOLE	EACH	20		
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18		
*	X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	22		
*	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	3		
*	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3		
*	X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	3		
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3		
*	X0323378	CONCRETE PARKING BLOCKS	EACH	22		
*	X0323449	REMOVE EXISTING WATER VALVE	EACH	4		
D1	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,055		
GBSP	X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	2,777		
*	X0326104	RELOCATE RADAR DETECTOR SYSTEM	EACH	1		
*	X0326713	SANITARY SEWER CONNECTION	EACH	3		
*	X0327369	SANITARY SEWER, DUCTILE IRON, 10"	FOOT	1,876		
*	X0327420	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	21		
*	X0327645	TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	2,906		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	X0327651	WATER MAIN IN CASING, 12"	FOOT	451		
BDE	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,409		
*	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	1,983		
*	X0795800	COARSE AGGREGATE	TON	966		
*	X0839900	SANITARY SEWER REMOVAL 6"	FOOT	64		
*	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	49		
*	X1200033	SANITARY SEWER IN CASING PIPE, 10"	FOOT	170		
*	X1200044	TEMPORARY STORM SEWER 12"	FOOT	227		
*	X1200209	TRENCH DRAIN REMOVAL	FOOT	495		
D1	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1		
D1	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2		
D1	X1400182	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1		
D1	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2		
*	X1400340	AERIAL CABLE REMOVAL	FOOT	95		
GBSP	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	24,554		
*	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	4,337		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
GBSP	X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		
GBSP	X5210120	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K	EACH	24		
GBSP	X5210180	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 550K	EACH	6		
GBSP	X5210200	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 650K	EACH	6		
GBSP	X5210210	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 700K	EACH	12		
GBSP	X5210220	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 750K	EACH	12		
GBSP	X5210230	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 800K	EACH	6		
GBSP	X5210240	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 900K	EACH	18		
GBSP	X5210355	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 650K	EACH	12		
GBSP	X5210375	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 850K	EACH	6		
*	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	1,593		
*	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	363		
*	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	303		
*	X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	668		
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	109		
*	X5620112	WATER SERVICE CONNECTION	EACH	2		

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GBSP	X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	3,793		
*	X6011705	PIPE DRAINS 6" (SPECIAL)	FOOT	34		
*	X6022110	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		
*	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10		
*	X6640535	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	FOOT	1,863		
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	12		
D1	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		
D1	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	399		
*	X8860400	DETECTOR LOOP, SPECIAL	FOOT	928		
GBSP	Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		
*	Z0010615	CLEANING EXISTING INLETS	EACH	4		
GBSP	Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	959		
GBSP	Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	959		
GBSP	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1		

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GBSP	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	1		
*	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	1		
GBSP	Z0018800	DRAINAGE SYSTEM	L SUM	1		
D1	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	15		
D1	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		
GBSP	Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	52.5		
GBSP	Z0034809	MODULAR EXPANSION JOINT-SWIVEL 9"	FOOT	100.5		
GBSP	Z0034812	MODULAR EXPANSION JOINT-SWIVEL 12"	FOOT	89.0		
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,265		
GBSP	Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	1,694		
*	Z0048900	RAILROAD TRACK REMOVAL	FOOT	2,334		
*	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	79		
*	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	33		
*	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	26		
*	Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	451		

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*	Z0056628	STORM SEWER (WATER MAIN REQUIREMENTS) 54 INCH	FOOT	20		
GBSP	Z0065704	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	4,263		
*	Z0073346	SLEEPER SLAB	SQ YD	616		
*	Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	5		
D1	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		
*	JA000290	STEEL CASING PIPE, BORE AND JACK, 54"	FOOT	189		
*	JA000348	GATE VALVE AND VAULT, 8"	EACH	2		
*	JA000410	REMOVAL OF EXISTING WATER MAIN, 12"	FOOT	1,858		
*	JA000479	ABANDON EXISTING WATER MAIN IN PLACE, 12"	FOOT	159		
*	JA000633	PLUG SANITARY MANHOLE	EACH	1		
*	JA000650	DUCTILE IRON WATERMAIN, 12"	FOOT	1,975		
*	JA000655	WATER VALVES, 12"	EACH	6		
*	JA000660	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6		
*	JA000700	CONNECTION TO EXISITING WATER MAIN, 12"	EACH	3		
*	JA000810	ABANDON AND FILL EXISTING SANITARY SEWERS, 10"	FOOT	190		

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*	JI209010	POROUS GRANULAR BACKFILL FOR PIPE UNDERDRAINS	CU YD	82		
*	JI211110	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	9,013		
*	JI211112	TOPSOIL EXCAVATION AND DISPOSAL	CU YD	9,196		
*	JI213002	EXPLORATORY POTHOLING, UTILITIES	EACH	27		
*	JI213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	1,000		
*	JI213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	1,000		
*	JI251010	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	50,750		
*	JI251015	HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	41,349		
*	JI282010	SUBGRADE FILTER FABRIC	SQ YD	132,993		
*	JI312022	STABILIZED SUBBASE – WMA, 3"	SQ YD	93,608		
*	JI355121	WARM-MIX ASPHALT BASE COURSE, 9"	SQ YD	549		
*	JI406035	TEST STRIP (STONE MATRIX ASPHALT)	EACH	3		
*	JI406037	MATERIAL TRANSFER DEVICE	TON	17,157		
*	JI406041	STONE MATRIX WARM MIX ASPHALT BINDER COURSE, IL-9.5, N80	TON	6,455		
*	JI406048	STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL12.5 N80	TON	11,090		
*	JI406107	ASPHALT TACK COAT	POUND	156,654		
*	JI406410	WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	414		

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*	JI406510	WARM-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4		
*	JI406900	CONSTRUCTING WARM MIX ASPHALT TEST STRIP	EACH	4		
*	JI420022	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	SQ YD	540		
*	JI420040	BRIDGE APPROACH SLAB	SQ YD	2,242		
*	JI420041	TRANSITION APPROACH SLAB	SQ YD	5,289		
*	JI420046	TRANSITION APPROACH SHOULDER SLAB	SQ YD	364		
*	JI420906	LONGITUDINAL JOINT SEALANT	FOOT	84,195		
*	JI420907	LONGITUDINAL JOINT SEALANT, HALF WIDTH	FOOT	57,131		
*	JI421470	LONGITUDINAL SAW CUTS	FOOT	37,138		
*	JI440010	CONCRETE MEDIAN BARRIER AND BASE REMOVAL	FOOT	7,380		
*	JI440015	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,283		
*	JI440030	PAVED SHOULDER REMOVAL, VARIABLE DEPTH	SQ YD	66,086		
*	JI442724	CLASS D3 PATCHES, TYPE IV, 13 INCHES	SQ YD	100		
*	JI481070	AGGREGATE SHOULDERS SPECIAL, TYPE C	TON	216		
*	JI481130	AGGREGATE SHOULDERS WITH FILTER FABRIC, TYPE B 4"	SQ YD	207		
*	JI482128	WARM-MIX ASPHALT SHOULDERS, SPECIAL (9 IN.)	SQ YD	61,673		
*	JI485020	TEMPORARY PAVEMENT, CLASS 2	SQ YD	1,234		

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*	JI485030	TEMPORARY PAVEMENT, CLASS 3	SQ YD	755		
*	JI503010	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE	CU YD	7,859.0		
*	JI503020	HIGH PERFORMANCE CONCRETE MOMENT SLAB STRUCTURES	CU YD	7,401.1		
*	JI503230	MASS CONCRETE STRUCTURES	CU YD	5,914.1		
*	JI504060	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL45	FOOT	4,398		
*	JI504120	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL72	FOOT	8,940		
*	JI505231	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 1	L SUM	1		
*	JI505232	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 2	L SUM	1		
*	JI522500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	185,181		
*	JI550120	TEMPORARY STORM SEWER, CLASS A, 24"	FOOT	809		
*	JI550902	DUCTILE IRON STORM SEWER, 6 INCH	FOOT	57		
*	JI550936	DUCTILE IRON STORM SEWER, 36 INCH	FOOT	85		
*	JI593010	CONTROLLED LOW-STRENGTH MATERIAL (SPECIAL)	CU YD	163		
*	JI593030	ABANDON AND FILL EXISTING STORM SEWER	CU YD	61		
*	JI599007	TEMPORARY SOIL RETENTION SYSTEM TO REMAIN IN PLACE	SQ FT	2,259		

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*	JI601215	SLOPE DRAIN, 15"	FOOT	171		
*	JI601300	PIPE UNDERDRAINS, 6" (SPECIAL)	FOOT	824		
*	JI601320	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	14,685		
*	JI602010	CATCH BASIN, TYPE B	EACH	2		
*	JI602045	CATCH BASINS, TYPE G-3, TYPE 20A FRAME AND GRATE	EACH	25		
*	JI602115	CATCH BASINS, TYPE G-2, TYPE G-2 FRAME AND GRATE	EACH	4		
*	JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH	6		
*	JI602128	CATCH BASINS, TYPE G-3(MODIFIED), TYPE 20A FRAME AND GRATE	EACH	69		
*	JI602143	CATCH BASINS, TYPE G-5, TYPE 20A FRAME AND GRATE	EACH	2		
*	JI602310	MANHOLE, TYPE A, 4 FT DIAMETER, TYPE 1 FRAME, OPEN LID (TEMPORARY)	EACH	20		
*	JI602336	MANHOLE, TYPE A, 7 FT DIAMETER, TYPE G-2 FRAME AND GRATE	EACH	1		
*	JI602362	MANHOLE, TYPE A, 9 FT DIAMETER, TYPE 20A FRAME AND GRATE	EACH	1		
*	JI602518	DRAINAGE STRUCTURES TO BE ADJUSTED WITH TYPE 20A FRAME AND GRATE	EACH	18		
*	JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAME AND GRATE	EACH	2		
*	JI602791	JUNCTION CHAMBER, LOCATION 1	EACH	1		
*	JI602792	JUNCTION CHAMBER, LOCATION 2	EACH	1		

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*	JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1		
*	JI602794	JUNCTION CHAMBER, LOCATION 4	EACH	1		
*	JI602795	JUNCTION CHAMBER, LOCATION 5	EACH	1		
*	JI602801	CATCH BASINS, TYPE G-4, TYPE 20A FRAME AND GRATE	EACH	5		
*	JI602823	CATCH BASINS, TYPE G-4, WITH ONE TYPE 22A FRAME AND GRATE	EACH	2		
*	JI606010	GUTTER, TYPE G-2	FOOT	1,848		
*	JI606020	GUTTER, TYPE G-3	FOOT	861		
*	JI606030	GUTTER, TYPE G-3, MODIFIED	FOOT	87		
*	JI606050	CONCRETE GUTTER (SPECIAL)	FOOT	6,315		
*	JI630002	GALVANIZED STEEL PLATE BEAM GUARDRAIL,TYPE A, 6 FOOT POSTS	FOOT	438		
*	JI631110	TRAFFIC BARRIER TERMINAL, TYPE T1 (SPECIAL) TANGENT	EACH	2		
*	JI631120	TRAFFIC BARRIER TERMINAL, TYPE T2	EACH	2		
*	JI635010	ROADWAY DELINEATORS	EACH	4		
*	JI637014	CONCRETE BARRIER, DOUBLE FACE, VARIABLE HEIGHT	FOOT	558		
*	JI637017	CONCRETE BARRIER BASE (SPECIAL)	FOOT	117		

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*	JI637030	CONCRETE BARRIER, SINGLE FACE, REINFORCED, 42 INCH	FOOT	2,272		
*	JI637032	CONCRETE BARRIER BASE FOR SINGLE FACE BARRIER, REINFORCED, 42 INCH	FOOT	2,272		
*	JI637034	CONCRETE BARRIER, SINGLE FACE, REINFORCED, 42 INCH (SPECIAL)	FOOT	5,454		
*	JI637036	CONCRETE BARRIER BASE FOR SINGLE FACE BARRIER, REINFORCED, 42 INCH (SPECIAL)	FOOT	5,454		
*	JI637050	CONCRETE BARRIER BASE, 5'	FOOT	315		
*	JI637056	CONCRETE BARRIER BASE,VARIABLE HEIGHT, 7'	FOOT	243		
*	JI637060	CONCRETE BARRIER TRANSITION, SPECIAL	FOOT	117		
*	JI638010	TEMPORARY MODULAR GLARE SCREEN SYSTEM	FOOT	20,403		
*	JI642014	ASPHALT SHOULDER RUMBLE STRIP, 16 INCH	FOOT	16,602		
*	JI642030	MOMENT SLAB RUMBLE STRIP	FOOT	7,092		
*	JI664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	9,152		
*	JI664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	23		
*	JI664315	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	14		
*	JI664320	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	18		
*	JI664335	DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	6		

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*	JI664400	RIGHT OF WAY FENCE REMOVAL	FOOT	9,032		
*	JI666010	RIGHT OF WAY MARKER	EACH	18		
*	JI667010	PERMANENT SURVEY MONUMENT	EACH	2		
*	JI669015	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	320		
*	JI680004	HEADWALL TYPE I, 24"	EACH	1		
*	JI680007	HEADWALL TYPE I, 36"	EACH	1		
*	JI680073	HEADWALL TYPE III, 54", 1:3	EACH	1		
*	JI704000	TEMPORARY CONCRETE BARRIER	FOOT	44,271		
*	JI704005	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	19,263		
*	JI704012	FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE	FOOT	1,726		
*	JI706282	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3, TO REMAIN IN PLACE	EACH	1		
*	JI706400	REMOVE TEMPORARY IMPACT ATTENUATOR	EACH	1		
*	JI725000	TERMINAL MARKER - DIRECT APPLIED	EACH	6		
*	JI728010	TELESCOPING STEEL SIGN SUPPORT, BARRIER ASSEMBLY	EACH	13		
*	JI780300	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	229,964		

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*	JI780320	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	286		
*	JI782014	GUARDRAIL BARRIER REFLECTORS, TYPE B	EACH	10		
*	JI782022	BARRIER WALL REFLECTORS, TYPE C	EACH	4,206		
*	JI811272	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	979		
*	JI811276	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	380		
*	JI811282	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., STAINLESS STEEL	FOOT	256		
*	JI830210	TEMPORARY WOOD POLE, 90 FT., CLASS 2, TO REMAIN IN PLACE	EACH	1		
*	JI830240	TEMPORARY WOOD POLE, 70 FT., CLASS 3, TO REMAIN IN PLACE	EACH	6		
*	JI999706	STEEL CASING PIPE , BORED AND JACKED, 24"	FOOT	169		
*	JI999754	SANITARY SEWER, DUCTILE IRON, 6"	FOOT	38		
**	JS107361	APPLY DUST SUPPRESSION AGENTS	UNIT	1,440		
*	JS120100	TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	11		
**	JS120710	ENERGY ATTENUATOR	EACH	3		
**	JS120715	ENERGY ATTENUATOR CONCRETE PAD	SQ FT	414		
**	JS120801	SCUPPER, DS-12	EACH	26		
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL MO	40		
**	JS280040	EROSION AND SEDIMENT CONTROL-CLEANOUT	CU YD	1,420		

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**	JS280050	SILT FENCE	FOOT	15,723		
**	JS280051	RE-ERECT SILT FENCE	FOOT	3,931		
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	10,350		
**	JS280100	SUPER SILT FENCE	FOOT	1,364		
**	JS280120	TREE PROTECTION	FOOT	441		
**	JS280140	TEMPORARY RIPRAP	TON	1,860		
**	JS280151	SAME-DAY STABILIZATION	SQ YD	122,816		
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	20		
**	JS280205	FILTER FABRIC INLET PROTECTION, COVER TYPE	EACH	11		
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	160		
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	1,732		
*	JS503160	DIAMOND GRINDING AND SURFACE SMOOTHNESS FOR BRIDGE SECTIONS	SQ YD	15,900		
**	JS670CM0	FIELD OFFICE, TYPE C (MODIFIED)	CAL MO	42		
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SUM	1		
*	JS701010	MAINTENANCE OF TRAFFIC	L SUM	1		

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**	JS733B25	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (25 FT)	FOOT	25		
**	JS733B35	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (35 FT)	FOOT	35		
**	JS733105	OVERHEAD SIGN STRUCTURE, SPAN TYPE (ALUMINUM) (105 FT)	FOOT	103		
**	JS734A10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, SPAN TYPE	CU YD	370.2		
**	JS734B10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE	CU YD	212.0		
**	JS734G10	FOUNDATION FOR ITS GANTRY FRAME	CU YD	266.6		
**	JS804100	ELECTRIC SERVICE INSTALLATION	EACH	4		
*	JS810130	UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.	FOOT	1,940		
**	JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	427		
**	JS810835	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	913		
**	JS810839	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	380		
**	JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	290		
**	JS810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 6" DIA.	FOOT	2,420		
**	JS812023	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	21,331		
**	JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	800		
*	JS812028	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	FOOT	14,294		

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**	JS813001	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	EACH	2		
**	JS813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	EACH	4		
*	JS813015	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 20" X 12" X 8"	EACH	1		
**	JS813022	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	28		
**	JS813053	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4		
**	JS813055	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	30		
**	JS813083	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	1		
**	JS813094	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	7		
**	JS814001	HANDHOLE, TOLLWAY	EACH	13		
**	JS816038	UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,630		
**	JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,410		
**	JS816078	UNIT DUCT, WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	938		
**	JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	5,022		
**	JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	97,474		
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	3,315		
**	JS817224	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 500MCM	FOOT	360		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JS821010	TEMPORARY FLOOD LIGHTING UNIT	EACH	37		
**	JS821100	LUMINAIRE, LED, HORIZONTAL MOUNT	EACH	105		
**	JS821110	UNDERPASS LUMINAIRE, LED	EACH	32		
**	JS825004	LIGHTING CONTROLLER, 200 AMPERE	EACH	1		
*	JS825010	LIGHTING CONTROLLER, SPECIAL	EACH	1		
**	JS828001	LIGHTING CONTROLLER FOUNDATION, TYPE A	EACH	1		
**	JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	EACH	3		
**	JS830006	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	EACH	4		
**	JS830007	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	EACH	1		
**	JS830013	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	EACH	45		
**	JS830015	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	EACH	25		
**	JS830025	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	2		
**	JS830033	TEMPORARY WOOD POLE, 70 FT., CLASS 3	EACH	38		
**	JS836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	3		
**	JS836006	LIGHT POLE FOUNDATION (ROADWAY) MEDIAN, TYPE 2	EACH	1		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
**	JS842080	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	44		
**	JS842105	POLE FOUNDATION, REMOVED	EACH	43		
**	JS845011	REMOVAL OF LIGHTING CONTROLLER	EACH	1		
**	JS845012	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3		
**	JS845013	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1		
**	JS846001	MAINTAIN LIGHTING SYSTEM	L SUM	1		
*	JT130714	REAIMING MVDS UNITS	EACH	12		
*	JT130750	INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	EACH	1		
*	JT130752	CONCRETE FOUNDATION, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	EACH	1		
*	JT130756	ELECTRIC WORK, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY, NO ITS	EACH	1		
*	JT130775	NATURAL GAS SERVICE	EACH	1		
*	JT131317	REMOVE BLUETOOTH TRAFFIC SENSOR	EACH	1		
*	JT132110	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER	EACH	2		
*	JT132112	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER FOUNDATION	EACH	2		
*	JT132114	REMOVE DYNAMIC MESSAGE SIGN - TYPE 1	EACH	2		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT132800	REMOVE ITS POLE MOUNTED ENCLOSURE	EACH	1		
*	JT134000	MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS	L SUM	1		
*	JT134010	INTELLIGENT TRANSPORTATION SYSTEMS CABINET FOUNDATION	EACH	1		
*	JT134030	INTELLIGENT TRANSPORTATION SYSTEMS GANTRY SITE GROUNDING	EACH	2		
*	JT134037	ITS ELEMENT SITE GROUNDING - POLE MOUNTED ASSEMBLY	EACH	2		
*	JT134041	ITS ELEMENT SITE GROUNDING - ITS MONOPOLE CCTV TOWER ASSEMBLY	EACH	1		
*	JT135006	REMOVE MICROWAVE VEHICLE DETECTION ASSEMBLY	EACH	1		
*	JT135042	WEBCAM	EACH	2		
*	JT135096	ITS POLE AND BASE REMOVAL	EACH	2		
*	JT135097	REMOVE CCTV CAMERA, POLE MOUNTED	EACH	1		
*	JT160099	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, TORSION ASSIST, 48"X72"X36"	EACH	2		
*	JT160130	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, 36"X60"X36"	EACH	4		
*	JT160149	CABLE MARKER SIGN WITH POST FOR ELECTRIC CABLE	EACH	27		
*	JT160217	LOCATE POST FOR FIBER OPTIC CABLE	EACH	18		
*	JT160218	CABLE MARKER WARNING SIGN, WITH POST, FOR FIBER OPTIC CABLE	EACH	18		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT202009	NON-SPECIAL WASTE DISPOSAL, TYPE 1	CU YD	18,939		
*	JT210001	POROUS GRANULAR BACKFILL	CU YD	661		
*	JT211A08	SUBGRADE AGGREGATE 9 IN.	CU YD	309		
*	JT211A11	SUBGRADE AGGREGATE 12 IN.	CU YD	46,311		
*	JT250432	SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL)	ACRE	6.75		
*	JT250446	SEEDING, GRASS-FORB MIX 2 (SPECIAL)	ACRE	12.25		
*	JT250491	SEEDING, WET DETENTION MIX (SPECIAL)	ACRE	0.50		
*	JT280500	SEDIMENT FILTER BAG	EACH	113		
*	JT280510	FLOC LOG	EACH	176		
*	JT280530	IN-LINE FLOCCULATION SYSTEM	EACH	2		
*	JT285055	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1	SQ YD	6,163		
*	JT301010	GRANULAR SUBBASE, SPECIAL	CU YD	130		
*	JT420104	JOINTED PLAIN CONCRETE PAVEMENT FOR COMPOSITE PAVEMENT 11"	SQ YD	92,172		
*	JT504100	PRECAST CONCRETE BRIDGE APPROACH SLABS	SQ FT	11,648		
*	JT525125	BONDED PREFORMED JOINT SEAL, 2 IN.	FOOT	682		

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*	JT525130	BONDED PREFORMED JOINT SEAL, 3 IN.	FOOT	903		
*	JT545006	STEEL CASING PIPE, BORE AND JACK, 18"	FOOT	170		
*	JT545036	STEEL CASING PIPE, BORE AND JACK, 36"	FOOT	282		
*	JT599029	DECORATIVE CONCRETE PATTERN	EACH	4		
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SUM	1		
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1		
*	JT701030	SUPPLEMENTAL BARRICADE	EACH/DAY	100		
*	JT701031	SUPPLEMENTAL SIGNING	SQ FT	100		
*	JT701032	SUPPLEMENTAL FLASHING ARROW BOARD (PER DAY)	EACH/DAY	28		
*	JT701033	SUPPLEMENTAL FLASHING ARROW BOARD (PER WEEK)	EACH/WEEK	40		
*	JT701034	SUPPLEMENTAL FLASHING ARROW BOARD (PER MONTH)	EACH/MONTH	12		
*	JT701035	SUPPLEMENTAL MAINTENANCE OF TRAFFIC	DAY	119		
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	1,186		
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	169		
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL MO	39		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT704040	EXISTING TEMPORARY CONCRETE BARRIER, REMOVED	FOOT	2,038		
*	JT720100	SIGN INSTALLATION, TYPE 1	SQ FT	129		
*	JT720110	SIGN INSTALLATION, TYPE 2	SQ FT	319		
*	JT720120	SIGN INSTALLATION, TYPE 3	SQ FT	1,534		
*	JT726030	MILEPOST MARKER ASSEMBLY, POLE MOUNTED	EACH	20		
*	JT726050	MILEPOST MARKER INSTALLATION	SQ FT	120		
*	JT740110	ITS GANTRY FRAME (STEEL), SPANS LESS THAN OR EQUAL TO 110'	FOOT	214		
*	JT740130	ITS GANTRY FRAME (STEEL), SPANS GREATER THAN 110' AND LESS THAN OR EQUAL TO 130'	FOOT	249		
*	JT780JB1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 6" GROOVE	FOOT	17,709		
*	JT780JC1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 7" GROOVE	FOOT	25,210		
*	JT780305	MULTI-POLYMER PAVEMENT MARKING - LINE 5"	FOOT	19,863		
*	JT780310	MULTI-POLYMER PAVEMENT MARKING - LINE 6"	FOOT	27,427		
*	JT783005	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY	SQ FT	125,096		
*	JT783009	RAISED PAVEMENT LANE MARKER, REFLECTOR REMOVAL	EACH	779		
*	JT789010	ARCHITECTURAL METAL LETTER	EACH	16		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT804005	ELECTRIC SERVICE INSTALLATION - ITS	EACH	1		
*	JT810874	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2" DIA.	FOOT	16,290		
*	JT810876	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA.	FOOT	15,315		
*	JT810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 4" DIA.	FOOT	4,730		
*	JT813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 32" X 12" X 8"	EACH	1		
*	JT821010	REMOVE EXISTING LUMINAIRE, POLE MOUNTED	EACH	4		
*	JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	EACH	11		
*	JT825025	TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED	EACH	2		
*	JT836015	LIGHT POLE FOUNDATION (ROADWAY) 42" BARRIER	EACH	5		
*	JT836020	ITS ELEMENT POLE FOUNDATION STEEL HELIX (12 FT)	EACH	2		
*	JT900518	EMBANKMENT MODIFICATION	SQ YD	393,968		
*	JT900580	CHEMICALLY STABILIZED SUBGRADE, 9"	SQ YD	132,993		
*	JT901136	POND DEWATERING LOCATION A	L SUM	1		
					TOTAL AMOUNT OF CORE WORK	

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*	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	3,150,000.00	3,150,000.00
*	JT151500	CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE	UNIT	200,000	1.00	200,000.00
*	JT154001	PAVEMENT PATCHING AND TRAFFIC CONTROL	UNIT	125,000	1.00	125,000.00
*	JT154002	DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE	UNIT	150,000	1.00	150,000.00
*	JT154005	EMERGENCY PAVEMENT AND SHOULDER REPAIRS	UNIT	60,000	1.00	60,000.00
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	200,000	1.00	200,000.00
*	JT154015	ALLOWANCE FOR UNFORESEEN DRAINAGE WORK	UNIT	75,000	1.00	75,000.00
*	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	UNIT	50,000	1.00	50,000.00
*	JT154045	CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS	UNIT	100,000	1.00	100,000.00
*	JT154051	CONTRACT ALLOWANCE FOR UNSUITABLE SOIL	UNIT	250,000	1.00	250,000.00
*	JT154052	CONTRACT ALLOWANCE FOR ADDITIONAL BUILDINGS DEMOLITION	UNIT	50,000	1.00	50,000.00
*	JT154062	CONTRACT ALLOWANCE FOR MAINTAIN INTELLIGENT TRANSPORTATION SYSTEM REPAIR	UNIT	30,000	1.00	30,000.00
*	JT154067	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	100,000	1.00	100,000.00
*	JT154079	CONTRACT ALLOWANCE FOR ILLINOIS STATE POLICE SERVICES	UNIT	1,000,000	1.00	1,000,000.00
*	JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	2,360,000	1.00	2,360,000.00
*	JT154112	ALLOWANCE FOR ADDITIONAL ELECTRICAL AND COMMUNICATION WORK	UNIT	100,000	1.00	100,000.00
*	JT154150	ALLOWANCE FOR STEEL COSTS ADJUSTMENT	UNIT	200,000	1.00	200,000.00
*	JT154160	ALLOWANCE FOR FUEL COSTS ADJUSTMENT	UNIT	50,000	1.00	50,000.00
*	JT154161	ALLOWANCE FOR BITUMINOUS MATERIALS COSTS ADJUSTMENT	UNIT	15,000	1.00	15,000.00

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	999NEG20	DAMAGES TO ILLINOIS TOLLWAY'S OPERATIONAL FACILITITES PER S.P. 115.5 - TRI-STATE	OCCUR		(10,000.00)	
	999NEG30	DAMAGES TO ILLINOIS TOLLWAY'S OPERATIONAL FACILITITES PER S.P. 115.5 - ALL ROADWAYS OFF-PEAK	OCCUR		(2,000.00)	
	999NEG31	DAMAGE TO ELECTRICAL FACILITIES PER TOLLWAY SUPPL. SPEC. 107.30 (b)	INC/DAY		(1,000.00)	
	999NEG32	LIQUIDATED DAMAGES FOR DELAY IN SUBMITTAL OF PROGRESS SCHEDULE PER TOLLWAY SUPPL. SPEC. 108.02 (e)	DAY		(300.00)	
	999NEG33	NON-COMPLIANCE WITH EROSION AND SEDIMENT CONTROL PER TOLLWAY SUPPL. SPEC. 280.02 (2) (1)	INC/DAY		(See Note 1)	
	999NEG34	NON-COMPLIANCE WITH RESPONSIBILITY FOR CONSTRUCTION HAULING EQUIPMENT PER TOLLWAY SUPPL. SPEC. 105.15	DAY		(1,000.00)	
	999NEG35	FAILURE TO RESPOND TO REGULATORY AGENCY REQUESTS, PER TOLLWAY SUPPL. SPEC. 280.02 (2) (2)	OCCUR		(25,000.00)	
	999NEG36	FAILURE TO COMPLY WITH OCCUPANCY DATE OR PROVIDE COMPLETE FACILITIES. FIELD OFFICE OR LAB PER TOLLWAY SUPPL. SPEC. 670.01 (b)	DAY		(500.00)	
	999NEG37	NON-COMPLIANCE WITH TOLLWAY MAINTENANCE OF TRAFFIC PER TOLLWAY SUPPL. SPEC. 701.01 (b) (1)	INC/DAY		(2,500.00)	
	999NEG38	FAILURE TO RESPOND TO RE-ESTABLISH DEVICES PER TOLLWAY SUPPL. SPEC. 701.01 (b) (2)	OCCUR		(2,500.00)	
	999NEG39	FAILURE TO REPAIR IMPACT ATTENUATORS, TEMPORARY PER TOLLWAY SUPPL. SPEC. 701.01 (b) (3)	OCCUR		(2,500.00)	
	999NEG40	LOSS OR DAMAGE TO TOLLWAY OWNED DEVICES PER TOLLWAY SUPPL. SPEC. 701.01 (b) (4)	SQ FT		(100.00)	
	999NEG41	NON-COMPLIANCE WITH IDOT MAINTENANCE OF TRAFFIC PER TOLLWAY SUPPL. SPEC. 701.01 (b) (5)	INC/DAY		(2,500.00)	
	999NEG42	NON-COMPLIANCE WITH MAINTAIN LIGHTING SYSTEM PER TOLLWAY SUPPL. SPEC. 846.06 (a)	INC/DAY		(1,000.00)	
	999NEG43	FAILURE TO RESPOND TO MAINTAIN LIGHTING SYSTEM PER TOLLWAY SUPPL. SPEC. 846.06 (b)	OCCUR		(1,000.00)	
	999NEG44	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.1	CAL DAY		(7,500.00)	

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	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.2	CAL DAY		(15,000.00)	
	999NEG46	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.3	CAL DAY		(6,000.00)	
	999NEG47	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.4	CAL DAY		(12,000.00)	
	999NEG48	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.5	CAL DAY		(6,000.00)	
	999NEG49	DAMAGE TO FIBER OPTIC UTILITIES PER S.P. 115.3	OCCUR		(10,000.00)	
	999NEG53	NON-COMPLIANCE WITH CONTRACTOR QUALITY PROGRAM SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG54	DAMAGE TO TOLLWAY MULTI-MODE CABLE, DMS SIGNS, CAMERAS, TELECOMMUNICATION, CABLE, ELECTRICAL, WATER AND SEWER PER S.P. 115.4	OCCUR		(1,000.00)	
	999NEG60	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.6	CAL DAY		(12,000.00)	
	999NEG61	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.7	CAL DAY		(12,000.00)	
	999NEG62	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.8	CAL DAY		(6,000.00)	
	999NEG63	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.9	CAL DAY		(6,000.00)	
	999NEG64	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.10	CAL DAY		(4,500.00)	
	999NEG72	FAILURE TO RESPOND TO MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG73	NON-COMPLIANCE WITH ITS PER MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG74	FAILURE TO REPAIR TO MAINTAIN ITS PER MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG90	ONE LANE OR RAMP BLOCKED PER S.P. FAILURE TO OPEN LANES TO TRAFFIC	15 MINUTES		(3,000.00)	
	999NEG91	TWO LANES BLOCKED PER S.P. FAILURE TO OPEN LANES TO TRAFFIC	15 MINUTES		(5,000.00)	

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		ADJUSTMENTS				
	999ADJ20	PROTECTION METHOD I FOR CONCRETE IN SUBSTRUCTURES, CULVERTS, PUMP HOUSES AND RETAINING WALLS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ21	PROTECTION METHOD II FOR CONCRETE IN SUBSTRUCTURES, CULVERTS, PUMP HOUSES, AND RETAINING WALLS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ22	PROTECTION METHOD I FOR CONCRETE IN SUPERSTRUCTURES AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ23	PROTECTION METHOD II FOR CONCRETE IN SUPERSTRUCTURES AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ24	PROTECTION METHODS I, II OR III FOR CONCRETE IN FOOTINGS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ25	PROTECTION METHOD I FOR CONCRETE IN SLOPE WALLS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ45	CONSTRUCTIONWORKS APPRENCTICES WAGE RATE PAYMENT	HOUR		15.00	
		INCENTIVES				
		TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP)				8,265,000.00
		TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM = TOTAL AMOUNT OF BASE BID				
		ECP BID CREDIT				
		AWARD CRITERIA				

S P. COLUMN LEGEND

* INDICATES SPECIAL PROVISION
** INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATIONS
BDE INDICATES DOT BDE SPECIAL PROVISION
GBSP INDICATES DOT GU DE BRIDGE SPECIAL PROVISION
D1 INDICATES DOT DISTRICT 1 SPECIAL PROVISION
ISSP INDICATES DOT SUPPLEMENTAL SPECIAL PROVISION

Note 1: The deduction will be according to Article 280.02 (2)(1) Table A. The Contractor should leave the unit price value blank.

Note 2: The Contractor should leave the unit price value blank. The unit price will be entered by the Tollway after receipt of bids.

DISPOSAL OF REGULATED SUBSTANCES AND UNCONTAMINATED SOIL (PROJECT SPECIFIC)

Description. This work shall consist of the removal and disposal of regulated substances and uncontaminated soil according to Section 669.01 through 669.09 of the Illinois Tollway Special Provision.

Contract Specific Sites. The excavated soil and groundwater within the areas listed below shall be managed as either "uncontaminated soil", hazardous waste, special waste or non-special waste. For stationing, the lateral distance is measured from existing centerline (CL) of TRI State Tollway (I-294) and the farthest distance is the offset distance or construction limit, whichever is less.

1 Station 1856 + 42.53 & offset 59.66 feet RT to Station 1858 + 44.39 & offset 185.27 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 2 – EXCEEDS MOST STRINGENT MAC VALUES FOR PNAs. COC sampling parameters: Benzo(a)pyrene.

2 Station 1869 + 66.12 & offset 76.01 feet RT to Station 1872 + 55.24 & offset 124.94 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1c – OUTSIDE ACCEPTABLE pH VALUES. COC sampling parameters: pH.

3 Station 1869 + 79.12 & offset 181.68 feet LT to Station 1872 + 51.48 & offset 124.91 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 2 – EXCEEDS MOST STRINGENT MAC VALUES FOR PNAs. COC sampling parameters: Benzo(a)pyrene.

4 Station 1872 + 52.52 & offset 164.26 feet LT to Station 1875 + 43.33 & offset 128.72 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 2 – EXCEEDS MOST STRINGENT MAC VALUES FOR PNAs. From surface to elevation 661.1 and, Type 1a - EXCEEDS INDUSTRIAL / COMMERCIAL SRO. From elevation 661.1 to elevation 656.6 COC sampling parameters: Benzo(a)pyrene, Dibenzo(a,h)anthracene, Arsenic.

5 Station 1872 + 93.14 & offset 126.50 feet LT to Station 1874 + 79.32 & offset 69.71 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1c – OUTSIDE ACCEPTABLE pH VALUES. COC sampling parameters: Naphthalene.

6 Station 1880 + 74.00 & offset 106.24 feet LT to Station 1882 + 50.82 & offset 64.87 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1b – EXCEEDS MOST STRINGENT MAC VALUES FOR PNAs. COC sampling parameters: Benzo(a)pyrene, TCLP Lead

7 Station 1882 + 54.69 & offset 101.63 feet LT to Station 1884 + 54.58 & offset 68.02 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 2 – EXCEEDS MOST STRINGENT MAC VALUES FOR PNAs. COC sampling parameters: Benzo(a)pyrene.

8 1884 + 53.41 & offset 105.20 feet LT to Station 1886 + 44.36 & offset 75.01 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be

managed in accordance with, Type 2 – EXCEEDS MOST STRINGENT MAC VALUES FOR PNAs. COC sampling parameters: Benzo(a)pyrene.

9 Station 1890 + 61.28 & offset 131.74 feet LT to Station 1892 + 31.89 & offset 74.90 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, TYPE 1b - EXCEEDS SCGW SROs. COC sampling parameters: Benzo(a)pyrene, TCLP Lead.

10 1892 + 31.72 & offset 140.85 feet LT to Station 1893 + 81.38 & offset 75.91 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, TYPE 1b - EXCEEDS SCGW SROs. COC sampling parameters: Benzo(a)pyrene, Lead, SPLP Lead

11 Station 1896 + 79.05 & offset 79.22 feet LT to Station 1898 + 15.57 & offset 127.17 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, TYPE 3 - EXCEEDS MOST STRINGENT MAC VALUES FOR INORGANIC'S. COC sampling parameters: Arsenic.

12 Station 1904 + 59.01 & offset 113.53 feet LT to Station 1907 + 56.26 & offset 141.32 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, TYPE 3 - EXCEEDS MOST STRINGENT MAC VALUES FOR INORGANIC'S. COC sampling parameters: Arsenic.

13 Station 1912 + 81.14 & offset 80.50 feet LT to Station 1914 + 81.71 & offset 131.94 feet LT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1c – OUTSIDE ACCEPTABLE pH VALUES. COC sampling parameters: pH.

14 Station 1905 + 12.97 & offset 97.42 feet RT to Station 1907 + 25.95 & offset 141.54 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1c – OUTSIDE ACCEPTABLE pH VALUES. COC sampling parameters: pH.

15 Station 1907 + 25.95 & offset 141.54 feet RT to Station 1909 + 19.85 & offset 77.35 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1c – OUTSIDE ACCEPTABLE pH VALUES. COC sampling parameters: pH.

16 Station 1909 + 19.85 & offset 77.35 feet RT to Station 1911 + 07.80 & offset 141.54 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1c – OUTSIDE ACCEPTABLE pH VALUES. COC sampling parameters: pH, TCLP Lead.

17 Station 1911 + 07.80 & offset 77.05 feet RT to Station 1913 + 12.00 & offset 141.56 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, Type 1a – EXCEEDS INDUSTRIAL / COMMERCIAL SRO. COC sampling parameters: Benzo(a)pyrene, Dibenzo(a,h)anthracene, Dieldrin, Arsenic, Lead, TCLP Lead.

18 Station 1913 + 12.00 & offset 76.74 feet RT to Station 1915 + 27.75 & offset 141.56 feet RT relative to Existing CL of TRI State Tollway (I-294). The Engineer has determined this material meets the criteria of, and shall be managed in accordance with, TYPE 1b - EXCEEDS SCGW SROs. COC sampling parameters: Pentachlorophenol.

Additional information on the above sites collected during the Phase I and Phase II Engineering process is available through the Tollway's Environmental Studies Unit.

SUBGRADE AGGREGATE (Illinois Tollway)

Effective: October 29, 2012
Revised: May 11, 2020

Description. This work shall consist of furnishing, transporting, placing, compacting and finishing an aggregate subgrade on the finished subgrade in accordance with this special provision and to the lines, dimensions, and cross sections shown on the Plans, and as required by the Engineer. Subgrade aggregate consists of porous granular embankment (PGE) aggregate and a dense graded capping aggregate. The specified thickness of subgrade aggregate will include 3-inches of capping aggregate on the top and PGE below the capping aggregate to the specified depth.

Materials. The materials used for SUBGRADE AGGREGATE shall consist of the following:

Porous Granular Embankment (PGE)

The coarse aggregate for PGE shall be crushed stone, crushed blast furnace slag, crushed gravel, or crushed concrete*. Crushed reclaimed asphalt pavement (RAP) may be used up to 40% of the final product if it is less than a 4-inch top size, and is separated and mechanically blended with crushed stone, crushed blast furnace slag, crushed gravel, or crushed concrete. Crushed concrete prior to blending shall have no more than 5% RAP left over from the milling process present. If crushed concrete is not to be mechanically blended with RAP, no more than 5% RAP shall be present. Virgin steel slag aggregates and other expansive materials as determined through testing by the Illinois Tollway will not be permitted. The coarse aggregate for PGE shall consist of sound durable particles with no more than 5% deleterious material as per Illinois Test Procedure (ITP) 203 in the IDOT Manual of Aggregate Quality Test Procedures.

Gradation testing of PGE shall follow Tollway Testing Procedure (TTP) 003 in the Illinois Tollway Manual of Modified Test Procedures. When the coarse aggregate for PGE thickness is nine inches or greater, the coarse aggregate gradation shall be as follows:

Sieve Size	Percent Passing
8 inches	100
6 inches	97±3
4 inches	90±10
2 inches	45±15
#4	15±15
#200	4±4

When the coarse aggregate for PGE thickness is less than nine inches, the coarse aggregate gradation shall be as follows:

Sieve Size	Percent Passing
5 inches	100
4 inches	85±15
2 inches	45±15
#4	15±15
#200	4±4

* Production of crushed concrete shall follow the Illinois Tollway Special Provision for Production of Recycled Aggregate, including completion of the Illinois Tollway A-60 Form “Material Management Plan for Production of Recycled Aggregate.”

Capping Aggregate

The coarse aggregate for the 3-inch lift of capping aggregate shall consist of sound durable particles with less than 5% deleterious material (as per ITP 203) with a gradation of CA-6 for processed material from an approved source with the Contractor having the option to use screened RAP from an approved source. Virgin steel slag aggregates and other expansive materials as determined through testing by the Illinois Tollway will not be permitted.

The RAP, with less than 10% concrete content, shall meet the requirements of the Illinois Tollway Special Provision for Reclaimed Asphalt Materials and have 100% passing the 1.5-inch sieve and be well graded down through fines. The resulting gradation shall vary by no more than 25% Cumulative Retained when screened across the 1 ½", 1", ¾", 5/8", ½", 3/8", ¼" #4, #8, and #16 sieves. Gradations may be performed dry, without the need for washing per ASTM C 136.

CONSTRUCTION REQUIREMENTS

The SUBGRADE AGGREGATE shall be placed in two layers. The top layer shall consist of a 3-inch variable nominal thickness top lift of capping. The thickness of the capping aggregate under asphalt shoulders will vary as a result of shoulder pavement thicknesses and shoulder surface or shoulder subgrade slope requirements as shown on the Plans. The maximum lift thickness of the capping aggregate shall be 4 inches. If used as the capping aggregate, the RAP shall be separated and stockpiled before use. The bottom lift shall consist of the PGE material, with minimum thickness being the total thickness for the specified SUBGRADE AGGREGATE item minus the 3-inch lift of capping aggregate. Maximum lift thickness of the PGE shall be 12 inches. A vibratory roller meeting the requirements of Article 1101.01(g) of the Standard Specifications shall be used to roll each lift of material to obtain the desired keying or interlock and necessary compaction. The Engineer will verify that adequate keying has been obtained.

The capping aggregate shall be installed as soon as possible and within seven days of PGE placement. Material removed during underdrain installation shall not be incorporated into the work as subgrade aggregate.

The capping aggregate shall be tested and controlled for compaction using the percent growth curve method as defined below.

The Contractor shall perform a growth curve at the beginning of placement of the capping aggregate. If the aggregate or base condition changes, the Engineer reserves the right to request an additional growth curve and supporting tests at no additional cost to the Illinois Tollway.

Compaction of the growth curve shall commence immediately after the course is placed. The growth curve, consisting of a plot of lbs./cu ft. vs. number of passes with the project vibratory roller, shall be developed. This curve shall be established by use of a nuclear gauge. Tests shall be taken after each pass until the highest lbs./cu ft. is obtained. A new growth curve is required if the breakdown roller used on the growth curve is replaced with a new roller during production.

The Contractor will establish a target density for its Quality Control nuclear gauge from the growth curve location. The target density 95%-102% shall apply only to the specific QC gauge used. If additional QC gauges are to be used to determine density specification compliance, the Contractor shall establish a unique minimum allowable target density from the growth curve location for each gauge. Quality Assurance will test a minimum of 20% of QC required testing frequency.

All lifts shall be compacted to an average density of not less than 95 percent nor greater than 102 percent of the target density obtained on the growth curve. The average density shall be based on tests representing one day's production.

Quality Control density tests shall be performed at randomly selected locations within ¼ mile intervals. In no case shall more than one half day's production be completed without density testing being performed.

If the Contractor is not controlling the compaction process and is making no effort to take corrective action, the operation shall stop as directed by the Engineer.

After fine grading or trimming of the capping aggregate, the Contractor shall perform a final proofroll to be witnessed and approved by the Engineer to verify the stability of the subgrade aggregate.

When a recommended remedial treatment for unstable subgrades is included in the contract that includes the allowance to use Porous Granular Embankment as a backfill aggregate, the lower lift of SUBGRADE AGGREGATE may be placed simultaneously with the material for Porous Granular Embankment, Subgrade when the total thickness to be placed is 2 feet or less.

Method of Measurement. This work will be measured for payment in cubic yards.

Basis of Payment. This work will be paid at the contract unit price per cubic yard for SUBGRADE AGGREGATE of the thickness specified.

Pay Item Number	Designation	Unit of Measure
JT211A08	SUBGRADE AGGREGATE 9 IN.	CU YD
JT211A11	SUBGRADE AGGREGATE 12 IN.	CU YD

TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED

Description. This work shall consist of furnishing and installing an electrical control cabinet with control devices, distribution equipment, and wiring for control of roadway lighting in accordance with the Tollway Standard Drawings and installing them on wood pole frame at locations indicated in the plans or as directed by the Engineer.

Materials. Materials shall be according to the following Articles of Division 1000 – Materials of Tollway supplemental Specification

Item	Section/Article
(a) Lighting Controller	Article 1068.01
(b) Grounding for Lighting	Section 1087
(c) Transformers, General Purpose	Article 1068.02
(d) Lightning Protection – Lighting	Article 1065.02
(e) Wood Pole	Article

1069.04 Construction Requirements.

Installation.

(a) General. The lighting controller shall be located as shown on the plans. The Contractor shall confirm the location and orientation of the door side with the Engineer, prior to installing the controller support. Each controller shall be set on a prepared wood support as shown on the plan Drawings

(b) All conduit entrances into each controller shall be field drilled and attachment made with waterproof hubs. The removable metal bottom plate shall be sealed with a rodent and dust/moisture barrier.

(c) Roadway lighting branch circuit conductors shall be brought into the controller panelboard and be terminated at their respective circuit breakers as indicated in the plans. The conductors shall be neatly arranged in the gutters for ease in tracing.

(d) Electric utility service conductors shall be brought into the meter socket or disconnect switch as indicated in the plans or as directed by the Engineer.

Grounding. A ground rod and connecting wire shall be installed for each controller in accordance with the Standard Drawings and Section 806 of Tollway Supplemental Specification.

Method of Measurement. This work will be measured in units of each for TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED.

Basis of Payment. This work will be paid for at the contract unit price each for TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED.

Pay Item Number	Designation	Unit of Measure
JT825025	TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUTNED	EACH

QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES (Illinois Tollway)

Effective: September 15, 2014

Revised: May 11, 2020

Description. This work shall consist of providing quality control/quality assurance for concrete mixtures.

CONSTRUCTION REQUIREMENTS

Concrete mixtures shall be tested and evaluated using the Illinois DOT Recurring Special Provision for Quality Control/Quality Assurance of Concrete Mixtures, except as revised herein.

Add the following to Article 1020.16(a):

Compression Machine Requirements. All laboratories reporting compressive strength results for all PCC items shall utilize compressive testing machines that have the capability of storing results digitally for the duration of the contract and producing those results on demand. This requirement extends to Quality Control laboratories furnished by the Contractor or their subcontractors, Quality Assurance laboratories representing the Engineer, or Independent Assurance laboratories reporting directly to the Tollway. The digital readouts will be capable of displaying the following:

- Specimen identification number
- Diameter and cross-sectional area of specimen
- Specimen age at time of test
- Date and time of test
- Rate of loading to the nearest pound per second and maximum load achieved to the nearest pound of applied load.
- Compressive strength calculated to nearest pounds per square inch
- Type of fracture and any L/D corrections applied
- Test equipment and Technician Identification
- Laboratory name and location

Follow requirements of Article 1103, with the following additions:

The production facility and ready mix trucks supplying hydraulic cement concrete shall have a current Certification of Ready Mixed Concrete Production Facilities from the National Ready Mixed Concrete Association. The Contractor's Quality Control Plan shall include documentation of NRMCA certification.

Add the following to Article 1020.16(c)(1) and 1020.16(d)(1):

Personnel conducting strength testing shall be certified as an American Concrete Institute (ACI) Concrete Strength Testing Technician.

Remove AASHTO T 177 (Standard Method of Test for Flexural Strength of Concrete) from Schedule B.

Revise Article 1020.16 Schedule B Footnote 7/ to read:

> The test of record for strength shall be the day indicated in Article 1020.04. For cement aggregate mixture II, a strength requirement is not specified and testing is not required. Additional strength testing to determine early falsework and form removal, early pavement or bridge opening to traffic, or to monitor strengths is at the discretion of the Contractor. Strength shall be defined as the average of two 6 x 12 in. (150 x 300 mm) cylinder breaks for field tests. Compressive strength, as measured using Illinois Modified AASHTO T22, shall be determined using only 6-inch diameter by 12-inch long cylinders.

Cold Weather Placement of Concrete

Replace Articles 1020.13(c) and 1020.13(d) with the following:

(c) Protection of Concrete, Other Than Structures, From Low Air Temperatures. When the official National Weather Service forecast for the construction area predicts a low of 32 °F (0 °C), or lower, or if the actual temperature drops to 32 °F (0 °C), or lower, concrete less than 72 hours old shall be provided at least the following protection.

Minimum Temperature	Protection
25 – 32 °F (-4 – 0 °C)	Two layers of polyethylene sheeting, one layer of polyethylene and one layer of burlap, or two layers of waterproof paper.
Below 25 °F (-4 °C)	6 in. (150 mm) of straw covered with one layer of polyethylene sheeting or waterproof paper.

These protective covers shall remain in place until the concrete is at least 96 hours old. When straw is required on pavement cured with membrane curing compound, the compound shall be covered with a layer of burlap, polyethylene sheeting, or waterproof paper before the straw is applied.

After September 15, there shall be available to the work within four hours, sufficient clean, dry straw to cover at least two days production. Additional straw shall be provided as needed to afford the protection required. Regardless of the precautions taken, the Contractor shall be responsible for protection of the concrete placed and any concrete damaged by cold temperatures shall be removed and replaced.

The Contractor shall submit a QC plan for cold weather placement of concrete using the Tollway A-72 Form. This form shall be submitted to the Web -Based Project Management System (WBPM) and approved by the Engineer and Tollway Materials, prior to placements requiring winter protection.

The Contractor shall produce field cured cylinders according to Illinois Modified AASHTO T-23. The Contractor shall ensure the following:

- Initial curing cylinder storage will meet Illinois Modified AASHTO T-23 standards
- After initial curing, field cylinders are cured in the same manner as the item placed. Orientation of cylinders shall be on their sides underneath protection
- Field-cured cylinders shall be picked up from the site and tested on the same day

The Contractor shall implement corrective action, as detailed in the A-72 form, in the case that field cure cylinders tested at 7 days are less than 70% of 14-day design strength.

(d) Protection of Concrete Structures From Low Air Temperatures. When the official National Weather Service forecast for the construction area predicts a low below 45 °F (7 °C), or if the actual temperature drops below 45 °F (7 °C), concrete less than 72 hours old shall be provided protection. Concrete shall also be provided protection when placed during the winter period of December 1 through March 15. The contractor shall submit a written cold weather concrete protection plan for the materials, facilities, and equipment to be used for protection. The plan shall be provided on the Illinois Tollway A-72 Form and submitted to the Web-Based Project Management System (WBPM). Concrete shall not be placed until the plan is approved by the Engineer and Tollway Materials.

The Contractor shall install temperature probes in the concrete structure. At a minimum, probes shall be placed at the core of the item and at locations of lowest expected temperatures (surface, edge, corners) in sufficient frequency to be representative of the item. Probes shall utilize a continuous temperature monitoring system capable of recording temperatures at quarter hourly intervals. Temperature data and graphs shall be reported daily for the duration of the curing period.

The Contractor shall produce field cured cylinders according to Illinois Modified AASHTO T-23. The Contractor shall ensure the following:

- Initial curing cylinder storage will meet Illinois Modified AASHTO T-23 standards
- After initial curing, field cylinders are cured in the same manner as the item placed. Orientation of cylinders shall be on their sides underneath protection
- Field-cured cylinders shall be picked up from the site and tested on the same day

The Contractor shall implement corrective action, as detailed in the A-72 form, in the case of the following scenarios:

- Temperature probe readings are below 50°F or above 90°F
- Field cure cylinders tested at 7 days are less than 70% of 14-day design strength

When directed by the Engineer, the Contractor may be required to place concrete during the winter period. When winter construction is specified, the Contractor shall proceed with the construction, including excavation, pile driving, concrete, steel erection, and all appurtenant work required for the complete construction of the item, except at times when weather conditions make such operations impracticable.

Regardless of the precautions taken, the Contractor shall be responsible for protection of the concrete placed and any concrete damaged by cold temperatures shall be removed and replaced.

(1) Protection Method I. The concrete shall be completely covered with insulating material such as fiberglass, rock wool, or other approved commercial insulating material having

the minimum thermal resistance R, as defined in ASTM C 168, for the corresponding minimum dimension of the concrete unit being protected as shown in the following table.

Minimum Pour Dimension		Thermal Resistance R
in.	(mm)	
6 or less	(150 or less)	R=16
> 6 to 12	(> 150 to 300)	R=10
> 12 to 18	(> 300 to 450)	R=6
> 18	(> 450)	R=4

The insulating material manufacturer shall clearly mark the insulating material with the thermal resistance R value.

The insulating material shall be completely enclosed on sides and edges with an approved waterproof liner and shall be maintained in a serviceable condition. Any tears in the liner shall be repaired in a manner approved by the Engineer.

On formed surfaces, the insulating material shall be attached to the outside of the forms with wood cleats or other suitable means to prevent any circulation of air under the insulation and shall be in place before the concrete is placed. The blanket insulation shall be applied tightly against the forms. The edges and ends shall be attached so as to exclude air and moisture. If the blankets are provided with nailing flanges, the flanges shall be attached to the studs with cleats. Where tie rods or reinforcement bars protrude, the areas adjacent to the rods or bars shall be adequately protected in a manner satisfactory to the Engineer. Where practicable, the insulation shall overlap any previously placed concrete by at least 1 ft (300 mm). Insulation on the underside of floors on steel members shall cover the top flanges of supporting members. On horizontal surfaces, the insulating material shall be placed as soon as the concrete has set, so that the surface will not be marred and shall be covered with canvas or other waterproof covering. The insulating material shall remain in place for a period of at least seven days after the concrete is placed.

The Contractor may remove the forms, providing the temperature is 35 °F (2 °C) and rising and the Contractor is able to wrap the particular section within two hours from the time of the start of the form removal. The insulation shall remain in place for the remainder of the seven days curing period.

(2) Protection Method II. The concrete shall be enclosed in adequate housing and the air surrounding the concrete kept at a temperature of not less than 50 °F (10 °C) nor more than 80 °F (27 °C) for a period of seven days after the concrete is placed. The Contractor shall provide a quarter hourly record of temperature of the concrete during the protection period. All exposed surfaces within the housing shall be cured according to the Index Table.

The Contractor shall provide adequate fire protection where heating is in progress and such protection shall be accessible at all times. The Contractor shall maintain labor to keep the heating equipment in continuous operation.

At the close of the heating period, the temperature shall be decreased to the approximate temperature of the outside air at a rate not to exceed 15 °F (8 °C) per 12

hour period, after which the housing maybe removed. The surface of the concrete shall be permitted to dry during the cooling period.

PRODUCTION OF RECYCLED AGGREGATE (Illinois Tollway)

Effective: May 11, 2020

Description. This work shall consist of producing recycled aggregate intended for use on the Illinois Tollway system in accordance with this special provision. Recycled aggregate production consists of processing reclaimed portland cement concrete (PCC) or reclaimed asphalt pavement (RAP) into aggregate meeting the contract requirements.

Requirements. The Contractor shall submit the Illinois Tollway A-60 Form "Material Management Plan for Production of Recycled Aggregate" 14 days prior to removal, processing, or placement of material. The Contractor shall update and resubmit the A-60 form prior to any changes throughout production.

Material Sources.

Reclaimed PCC can be from an interstate or primary roadway pavement or structure under the jurisdiction of the Illinois Tollway or IDOT, or from runway pavement from any airport under FAA jurisdiction. Reclaimed PCC from local roads or streets can be used if the source of the original aggregates in the concrete are known and the coarse aggregate quality is "C" or better based on current IDOT standard specifications. The producer of the recycled aggregate shall be responsible for documentation of the aggregate source.

Reclaimed PCC may consist of material from local roads or streets of unknown source and quality if the material is certified by an independent laboratory based on "C" quality coarse aggregate quality requirements identified in the Article 1004.01(b) of the standard specifications.

RAP shall follow the material requirements of the Illinois Tollway Recycled Asphalt Materials (RAM) Special Provision.

Material Production.

Notification shall be given to the Engineer and the Tollway of new recycling and production 48 hours prior to the start of operations. The Engineer shall approve the concrete removal method or stockpiled reclaimed material prior to crushing.

<u>Stockpiling and Handling:</u>

Degradation is of primary concern in handling aggregates. Steel-tracked equipment shall not be operated on stockpiles. Free-fall from conveyor equipment onto load-out stockpiles shall be held to a maximum of 15 feet.

The fall height requirement may be waived if the aggregate source uses special remixing procedures or a device approved by the Tollway. If the fall height requirement is waived, a comparison of a series of samples taken during the loading-out operation to those taken from the production belt shall be made to estimate the effect of the aggregate-handling method on degradation.

Stockpiling and handling of aggregate shall be designed to hold segregation to a minimum. Coned stockpiles built with stationary or movable conveyor equipment shall be loaded out in such a manner as to mitigate segregation. Radial and longitudinal conveyors or stackers shall

be kept in motion to reduce coning. Where possible, a spreader chute on the stacker shall be used to broaden or flatten the wedge shape of the pile. Cascading down the sides of the pile shall be held to a minimum. Material shall be loaded out from wedge-shaped piles with an end-loader or equipment having similar type loading action working from the end of the pile, with care taken to work the entire width of the pile to remix the material as much as possible. The method of aggregate-handling and stockpiling currently in use at a particular processing location shall be considered satisfactory provided the method is within the requirements of this special provision, and that the product, when checked at a load-out point, meets the gradation requirements.

Aggregate produced under this special provision shall be stockpiled separately and identified by signs. Signs shall have a minimum of 3" lettering. Each individual sign shall be free-standing and moveable. Any changes made to signing must be pre-approved by the Tollway.

Windrow stockpiles shall follow the same standards as stockpiles. Existing subbase aggregates shall not be intermixed with the recycled concrete either when picking up the broken concrete, feeding the concrete into the crusher, or when stockpiling the recycled aggregate.

Stockpiles shall be sufficiently separated from each other to prevent cross-contamination and intermingling at the base. To prevent contamination, stockpiles shall be separated from the existing soil by pads a minimum of 12" thick constructed of granular material that will compact and provide a stable and clean area for the loader operator to work without contaminating the approved stockpile during loadout. Material used for pads shall not be loaded out for use as the stockpiled aggregate.

The mechanical blending of RAP into porous granular embankment (PGE) shall be accomplished by the use of belt feeders and bins equipped with adjustable gates or drive systems that can be calibrated and controlled within 5% of the Contractor defined target.

Contamination:

Processing procedures for reclaimed PCC and RAP shall ensure material other than the respective PCC or RAP is not incorporated into the processed aggregate. Aggregates and soils underlying existing pavements shall not be present in raw feeds or processed materials. RAP or PCC containing soil or other foreign material shall be considered contaminated and subject to rejection.

The Tollway and the Engineer reserve the right to reject unacceptable material at any point during production or placement. Raw feed and processed stockpiles or windrows displaying evidence of contamination can be rejected upon visual inspection by the Tollway or the Engineer. Contaminating material includes but is not limited to reinforcing steel, soil, wood, fabric, brick, concrete washout, natural aggregates with rounded particles or other foreign material.

Personnel and Laboratories:

Sampling and testing personnel overseeing the Contractor's control processes (including consultants and contractors) at the processing locations are required to have successfully completed the IDOT Quality Management Training Program Aggregate Technician course (5-day, CET 021). Personnel who have successfully completed the IDOT Quality Management Training Program Mixture Aggregate Technician course (CET 020, 3-day) shall be permitted to conduct gradation testing only under the supervision of a 5-day Aggregate Technician.

Laboratories shall have the required equipment or alternatives approved by the Tollway specified in the IDOT Manual of Test Procedures for Materials Appendix D3 “Aggregate Laboratory Equipment.” Additionally, the testing lab must have a Gilson screen shaker (or approved equivalent) capable of sieving the maximum aggregate size of PGE.

Testing:
Quality control (QC) frequencies for testing shall follow the requirements listed in Table 1. Each crusher is considered its own operation, with individual start up and testing frequencies. If crushing equipment is to be moved to a new location, a gradation test shall be run within the first 500 tons.

Quality Assurance (QA) will sample both start of production samples, test one of the two samples, and test the second if the first does not compare with QC. QA will test 20% of normal production samples. The Contractor shall not place material until “Start of Production” testing results are approved by the Engineer.

Sampling and gradation testing of PGE shall follow the Illinois Tollway Testing Procedure (TTP) 003. Sampling and gradation testing of RAP capping or any other recycled aggregate shall follow IDOT Manual of Test Procedures for Materials: Illinois Test Procedure (ITP) 2 and ASTM C 136.

Table 1 – QC Testing Frequencies for Reclaimed PCC or RAP for Aggregate

Start of Production	Normal Production	Stockpile/ Loadout	Control Charts	Master Band
1 per 2,000 T for the first 4,000 T	1 per 10,000 T 2 per day max 1 per week min	1/week	No	No

Any QC failing gradation sample (start-of-production, normal-production, or stockpile) or a failing and non-comparing QA gradation sample shall be evaluated according to the following procedure and, if necessary, immediate action taken to correct a failing gradation. Recycled aggregate QC/QA comparisons, with the exception of PGE, shall follow the IDOT Manual of Test Procedures QC/QA Procedure “Procedure for Sample Comparison” QC/QA comparisons for PGE shall follow TTP 003.

If a QC gradation sample fails or a QA gradation sample fails and does not compare to QC, one (1) split resample from the same sampling location shall immediately be taken and tested. If the QC resample passes and QA does not observe a non-comparing failure, the testing frequency being run prior to the failure shall be resumed. If the QC resample fails or QA fails and does not compare to QC, a second resample shall immediately be taken.

If the second QC resample passes and QA does not observe a non-comparing failure, the start-of-production sampling frequency shall be initiated. All samples in the series must pass before the normal production or stockpile sampling frequency for that location can be restarted.

If the second QC production resample fails or a QA gradation sample fails and does not compare to QC, aggregate production shall cease or be diverted from the stockpile. Corrective action shall be initiated by the Contractor. No material shall be placed on the stockpile until a passing QC gradation sample is taken and tested along with a QA sample that does not

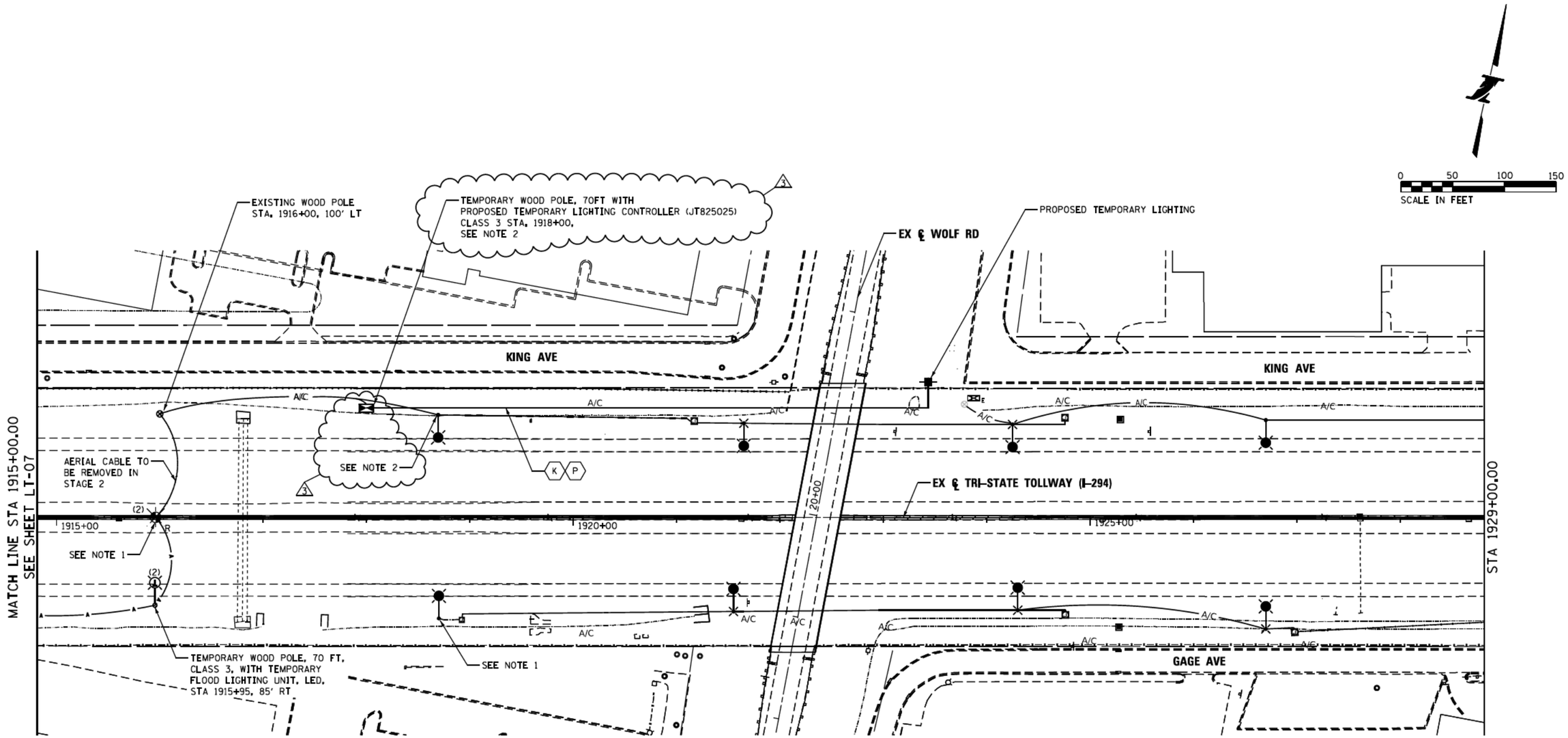
observe a non-comparing failure. The start-of-production frequency shall then be run at that location. All samples in the series must pass before the normal-production or stockpile sampling frequency for that location can be restarted. Material diverted from the stockpile following a second resample gradation failure shall not be re-incorporated into the stockpile unless approved by the Engineer.

Any action taken, such as resampling, screen changes, separate stockpiling, etc., shall be noted in the remarks area of the failing test report in the Illinois Materials Inspection and Reporting System (I-MIRS). The certified 5-day Aggregate Technician shall monitor the corrective action.

Documentation:
Throughout production, records shall be generated and on file for the type, source, and quantity of recycled aggregate. These records must be available to the Engineer and the Tollway on request. If the records are unavailable, the Engineer can order the Contractor to suspend placement of the related product. Gradation testing shall be reported in I-MIRS.

Method of Measurement. This work will not be measured for payment.

Basis of Payment. This work will not be paid for separately but shall be included in the respective pay item being produced.



NOTES:

1. PROVIDE TEMPORARY CONNECTION TO PROPOSED LIGHT POLE. CONNECT TO LIGHT POLE, USING CLAMPED ON CLEVIS. MODIFY POLE TOP CAP TO ACCEPT WIRING AND RUN WIRING INSIDE POLE DOWN TO POLE HANDHOLE.
2. DISCONNECT EXISTING AERIAL CABLE FROM I-19-4449 AND CONNECT TO THE PROPOSED TEMPORARY LIGHTING CONTROLLER. COST SHALL BE INCLUDED IN THE COST FOR "TEMPORARY LIGHTING CONTROLLER 480V, POLE MOUNTED."

DRAWN BY GTHIESSE DATE 04/30/2020
CHECKED BY GREILLY DATE 04/30/2020

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312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
3	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339

REMOVAL/TEMP LIGHTING PLAN I-294
STA 1915+00 TO STA 1929+00

SHT NO. LT-08
DRAWING NO. 478 OF 1740

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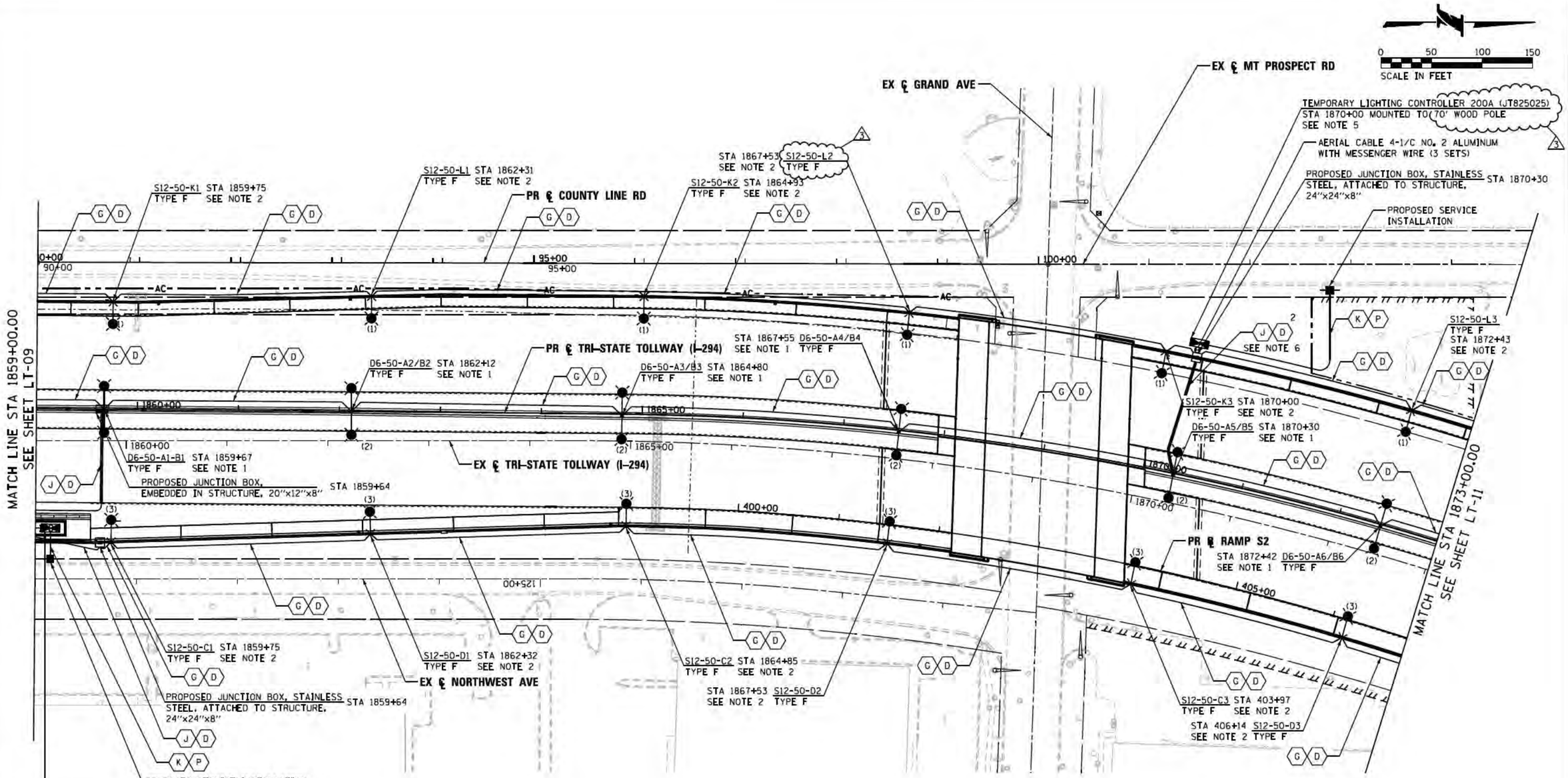

CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL
- (P) ELECTRIC CABLE IN CONDUIT, 3-1/C NO. 4/0 600V (XLP-TYPE USE)

NOTES:

1. FOR MEDIAN BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
2. FOR BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
3. FOR LIGHT POLE FOUNDATION IN SINGLE FACE BARRIER WALL, SEE SHEET LT-19.
4. PROVIDE TEMPORARY CONNECTION TO JUNCTION BOX ATTACHED TO STRUCTURE. TEMPORARY CONNECTION TO REMAIN UNTIL LIGHTING CONTROLLER IN IPDC IS CONNECTED AND READY TO BE OPERATIONAL.
5. TEMPORARY LIGHTING CONTROLLER TO BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 2. THE LIGHTING CONTROLLER SHALL BE STRAPPED TO THE WOOD POLE.
6. CABLE SHALL BE DISCONNECTED AND REMOVED PRIOR TO PROPOSED INDOOR LIGHTING CONTROLLER TURN ON.

DRAWN BY GTHIESSE DATE 04/30/2020
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REVISIONS		
NO.	DATE	DESCRIPTION
3	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339
ROADWAY LIGHTING PLAN I-294
STA 1859+00 TO STA 1873+00

SHT NO. LT-10
DRAWING NO. 480 OF 1740

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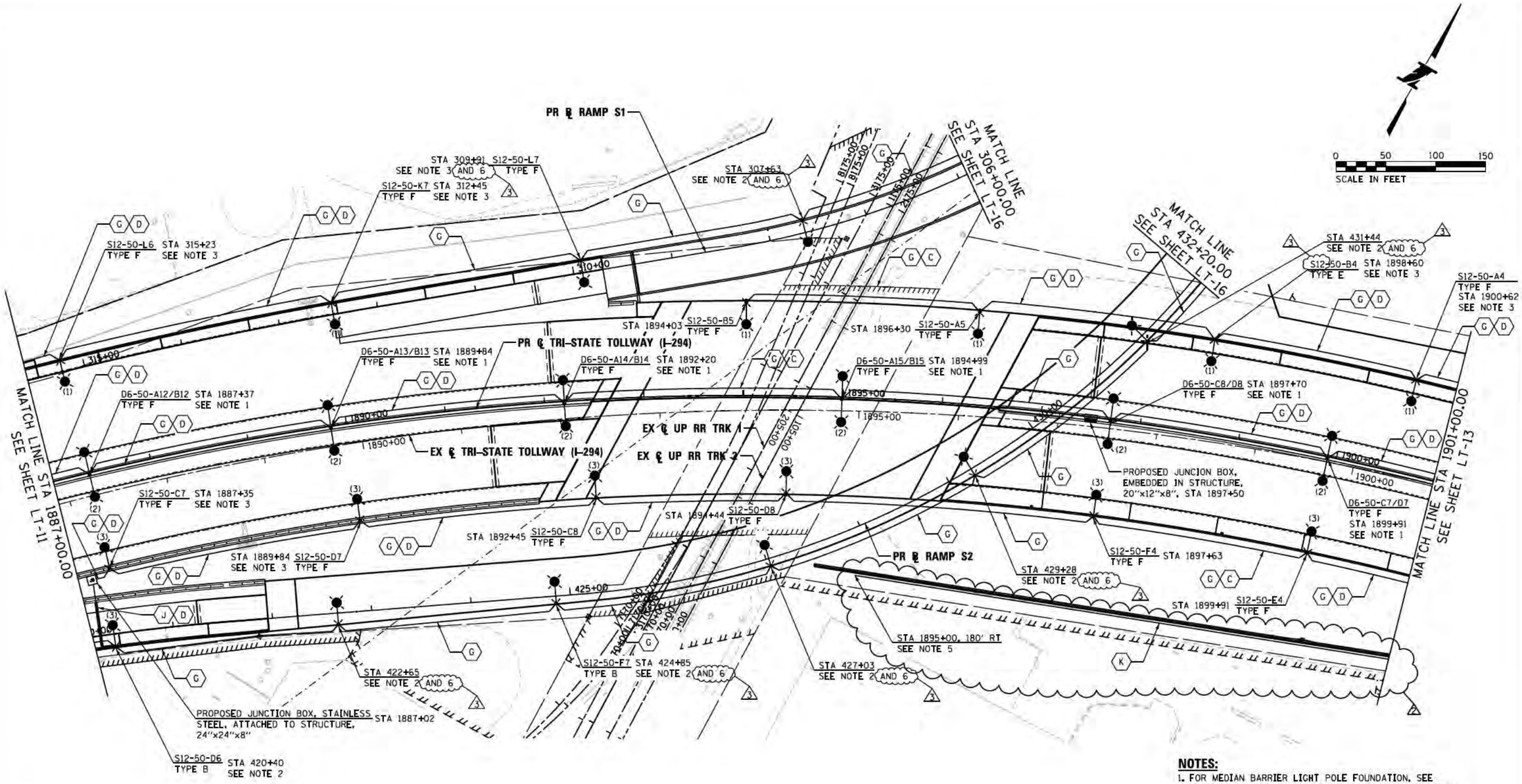

CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL

NOTES:

1. FOR MEDIAN BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
2. FOR BARRIER LIGHT POLE FOUNDATION, SEE BRIDGE STRUCTURAL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS "CONCRETE SUPERSTRUCTURE."
3. FOR BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
4. FOR UNDERDECK LIGHTING, SEE SHEET LT-17.
5. CAP AND SEAL FOR FUTURE CONNECTION.
6. POLES ARE SHOWN FOR REFERENCE ONLY. LIGHT POLES, LUMINAIRES, AND CABLE SHALL BE INSTALLED IN FUTURE CONTRACT.

DRAWN BY GTHIESSE DATE 04/30/2020
CHECKED BY GREILLY DATE 04/30/2020

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2700 OGDEN AVENUE
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REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2
3	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339

SHT NO. LT-12

ROADWAY LIGHTING PLAN I-294
STA 1887+00 TO STA 1901+00

DRAWING NO. 482 OF 1740

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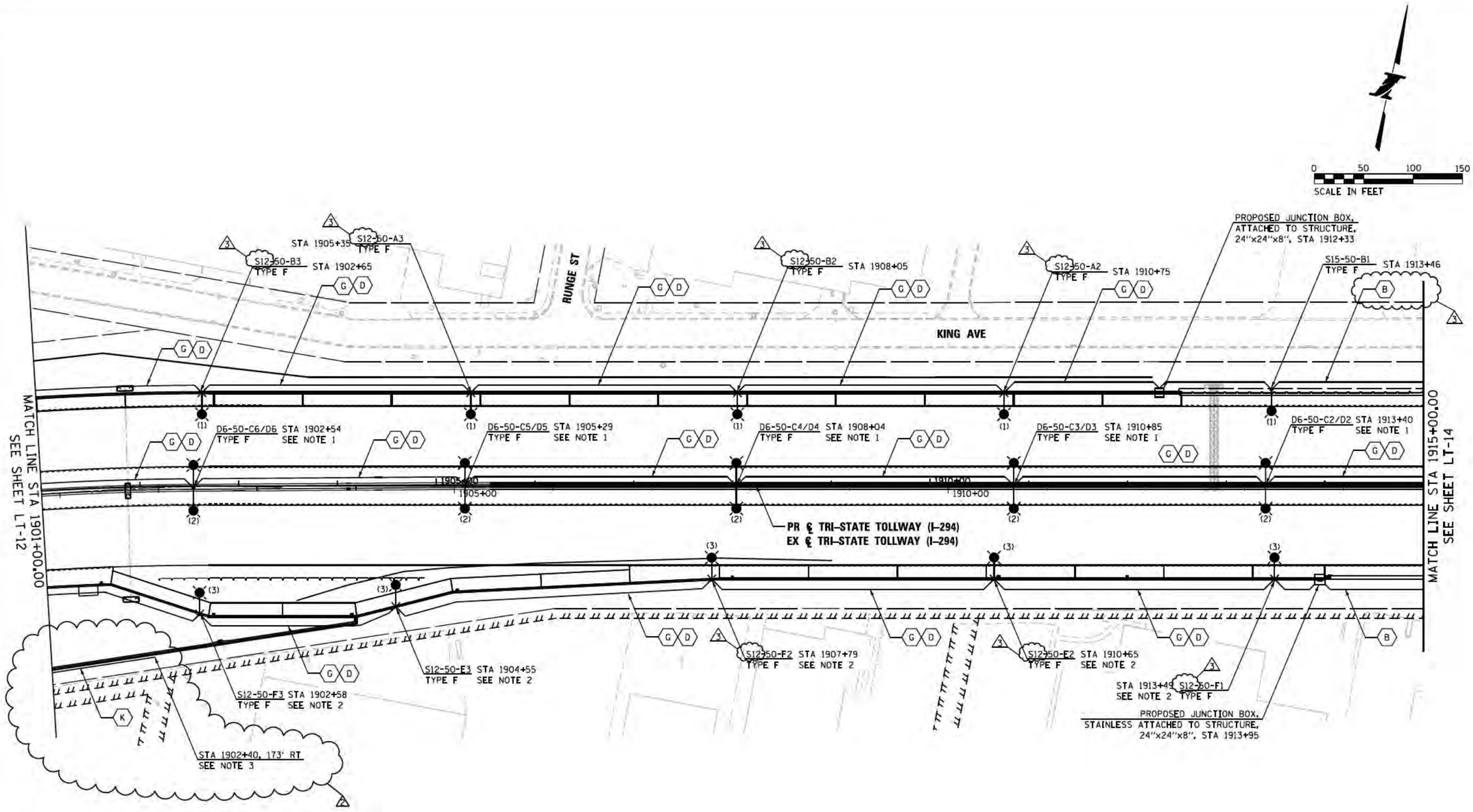

CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL

NOTES:

1. FOR MEDIAN BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
2. FOR BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
3. CAP AND SEAL FOR FUTURE CONNECTION BY OTHERS.

DRAWN BY GTHIESSE DATE 04/30/2020
CHECKED BY GREILLY DATE 04/30/2020

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ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2
3	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339

ROADWAY LIGHTING PLAN I-294
STA 1901+00 TO STA 1915+00

SHT NO. LT-13

DRAWING NO. 483 OF 1740

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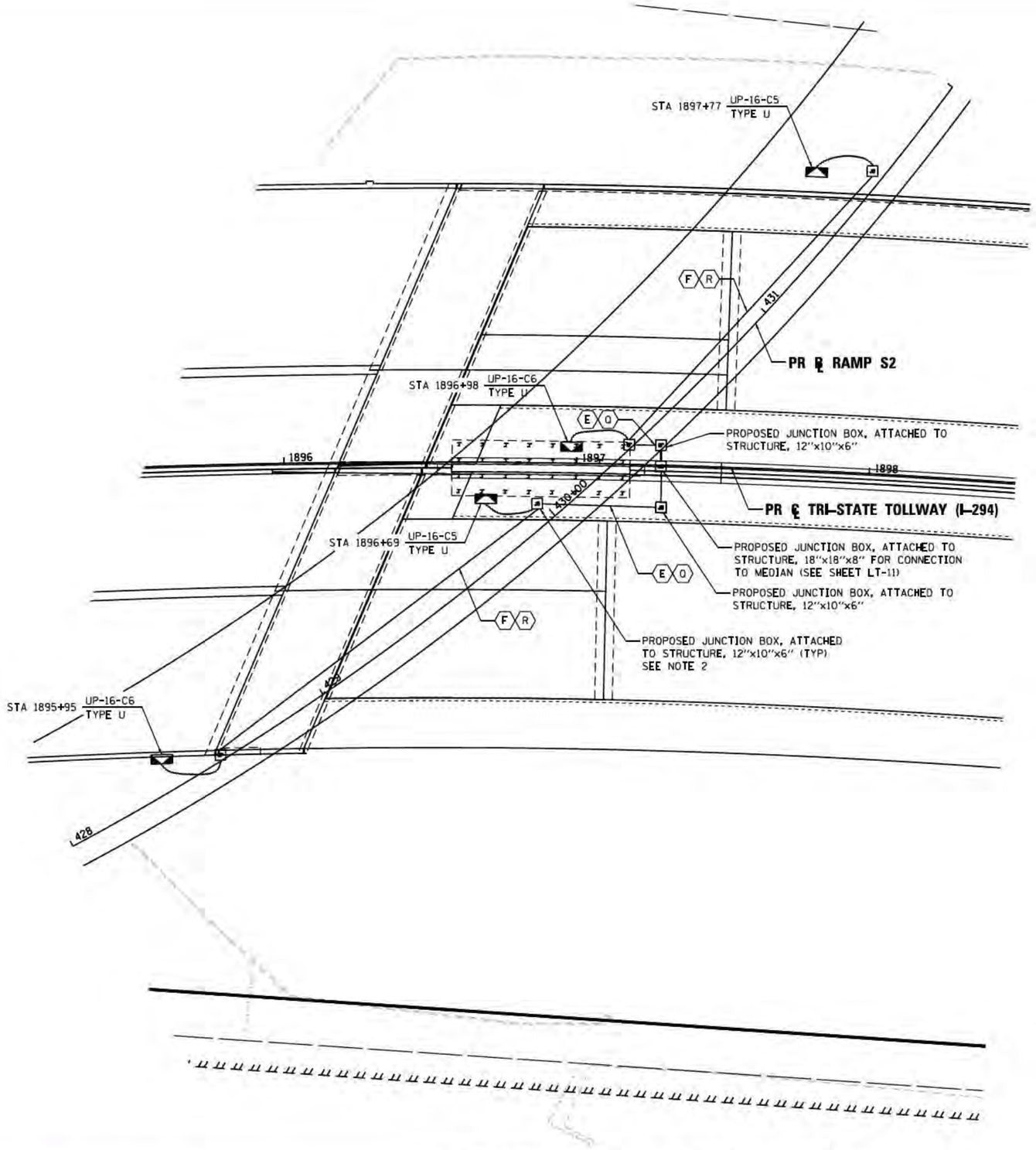

CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL
- (O) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 10 AND 1/C NO. 10 GROUND, 600V (XLP-TYPE USE)
- (R) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 10 AND 1/C NO. 10 GROUND, 600V (XLP-TYPE USE)

NOTES:

1. SEE LED UNDERPASS LUMINAIRE TABLE ON SHEET LT-01 FOR MOUNTING ANGLES.
2. JUNCTION BOXES AND LATERAL CONDUITS SHALL BE IN SAME BAY AS UNDERPASS LUMINAIRE.
3. FOR UNDERPASS LIGHTING DETAIL, SEE SHEET LT-30. (3)

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2700 OGDEN AVENUE
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ILLINOIS 60515

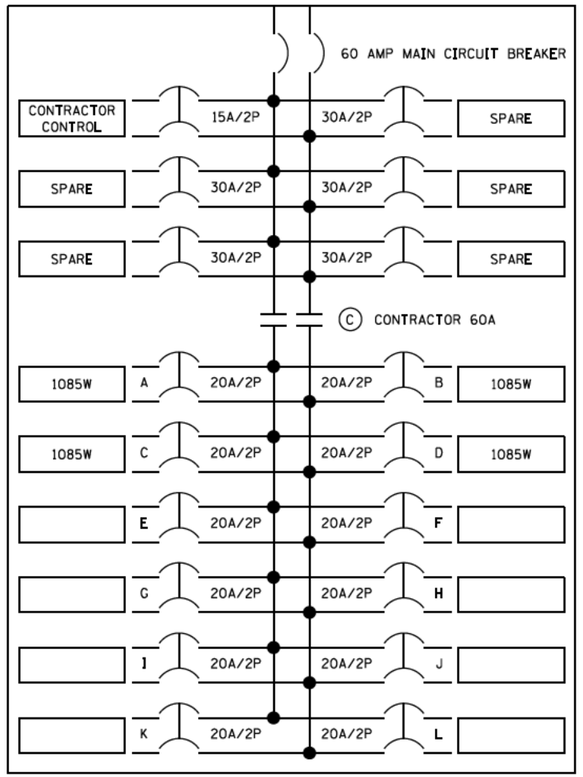
REVISIONS		
NO.	DATE	DESCRIPTION
3	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339

SHT NO. LT-17

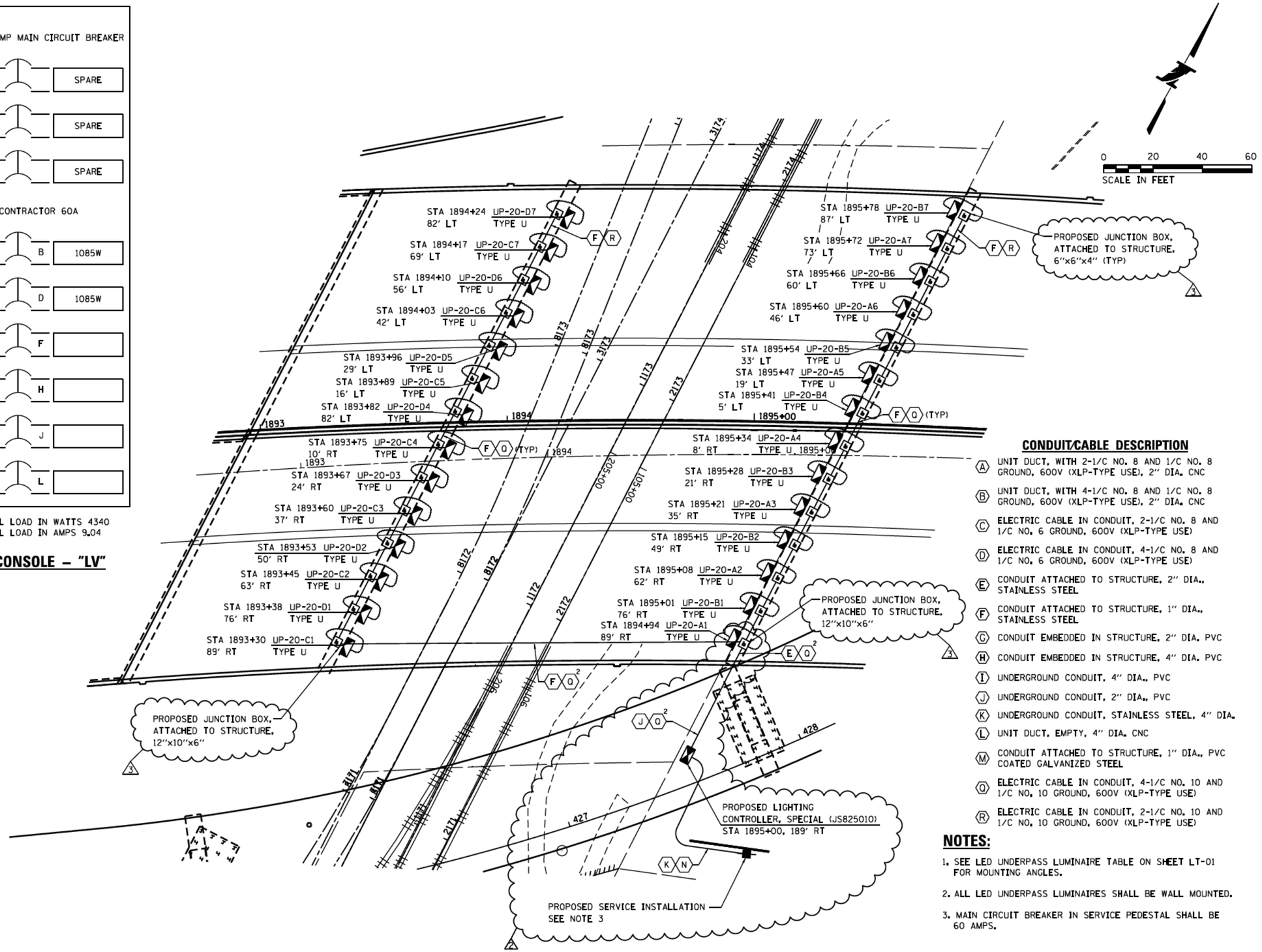
UNDERPASS LIGHTING PLAN
RAMP S2 OVER I-294

DRAWING NO.
487 OF 1740



TOTAL LOAD IN WATTS 4340
TOTAL LOAD IN AMPS 9.04

PROPOSED LIGHTING CONTROL CONSOLE – "LV"



CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL
- (Q) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 10 AND 1/C NO. 10 GROUND, 600V (XLP-TYPE USE)
- (R) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 10 AND 1/C NO. 10 GROUND, 600V (XLP-TYPE USE)

NOTES:

1. SEE LED UNDERPASS LUMINAIRE TABLE ON SHEET LT-01 FOR MOUNTING ANGLES.
2. ALL LED UNDERPASS LUMINAIRES SHALL BE WALL MOUNTED.
3. MAIN CIRCUIT BREAKER IN SERVICE PEDESTAL SHALL BE 60 AMPS.

DRAWN BY GTHIESSE DATE 04/30/2020
CHECKED BY GREILLY DATE 04/30/2020

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ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2
3	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339
SHT NO. LT-18
UNDERPASS LIGHTING PLAN
I-294 OVER UNION PACIFIC RAILROAD
DRAWING NO. 488 OF 1740

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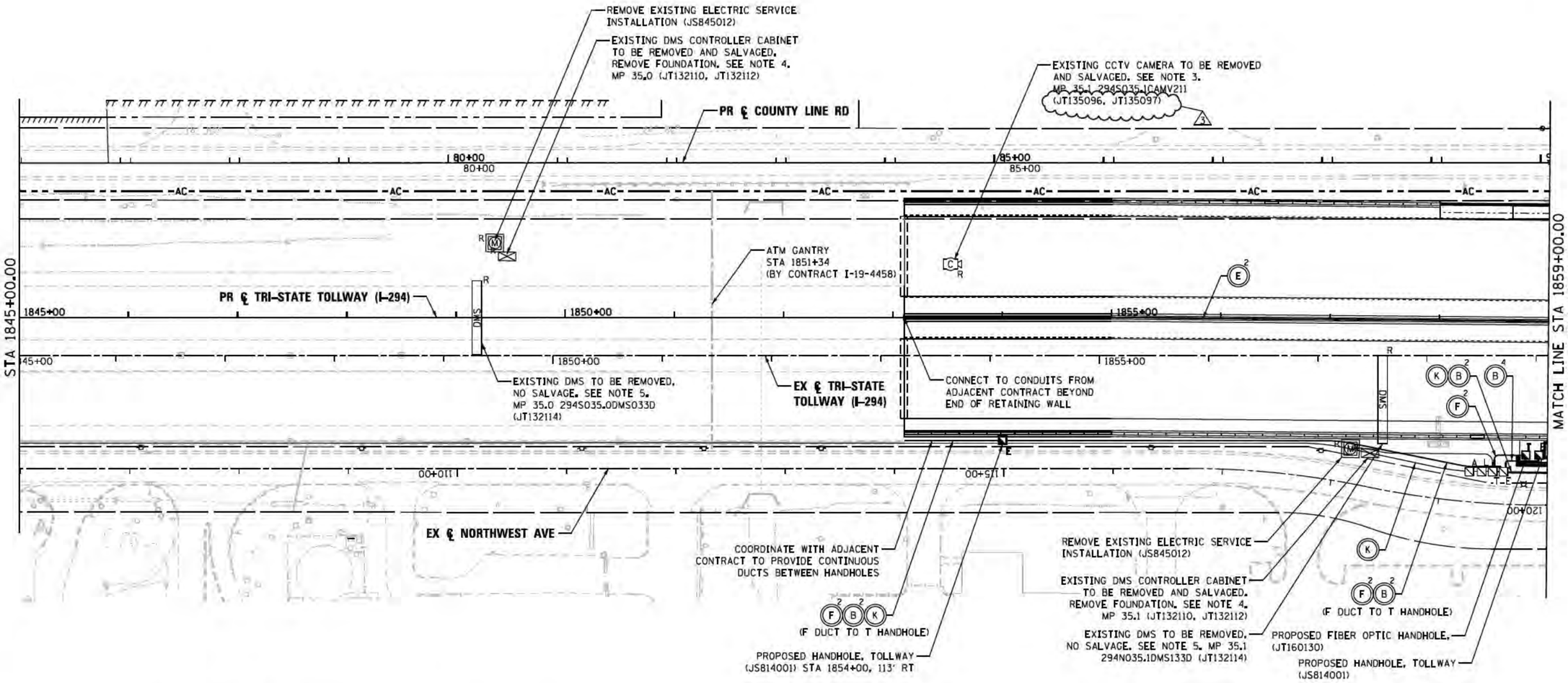

CONDUIT/CABLE DESCRIPTION

- (A) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2" DIA (JT810874)
- (B) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 4" DIA (JT810879)
- (C) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SCH 80, 6" DIA (JS810881)
- (D) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C 500 KCMIL (JS810130, JS817224)
- (E) CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA SCH 80 PVC (JS812028)
- (F) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA (JT810876)
- (K) EXISTING DIRECTIONAL BORED DUCT PACKAGE, (24) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2"DIA
- (L) EXISTING DIRECTIONAL BORED DUCT PACKAGE, (24) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2"DIA AND (2) UNDERGROUND CONDUIT, COILABLE NONMETALIC CONDUIT, SDR 13.5, 4" DIA.

** NUMBER NEXT TO CIRCLE DENOTES NUMBER OF CONDUITS

NOTES:

1. SEE IPDC SITE PLAN FOR LOCATIONS AND LAYOUT OF SITE.
2. SEE DUCT BANK CONFIGURATION AND INSTALLATION ON ITS DETAIL SHEETS.
3. CCTV CAMERA AND EQUIPMENT CABINET SHALL BE REMOVED AND SALVAGED TO THE TOLLWAY (SEE SPECIAL PROVISIONS). POLE AND HELIX FOUNDATION SHALL BE REMOVED AND DISPOSED OF OFF SITE.
4. DMS CONTROLLER CABINET AND EQUIPMENT SHALL BE REMOVED AND SALVAGED TO THE TOLLWAY (SEE SPECIAL PROVISIONS).
5. DMS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR (SEE SPECIAL PROVISIONS)
6. CABLE MARKERS FOR PERMANENT FIBER OPTIC CABLE AND ELECTRIC CABLE SHALL BE PLACED AT 500' INTERVALS AND AT CHANGES IN CABLE LOCATION/DIRECTION OR TO MARK THE LOCATION OF HANDHOLES. THE CONTRACTOR SHALL ADJUST EXCAVATION AS NECESSARY TO AVOID OBSTACLES AND TO MAXIMIZE DISTANCE FROM THE EDGE OF PAVEMENT. ALL PROPOSED CHANGES TO CONDUIT/CABLE LOCATIONS SHALL BE APPROVED BY ENGINEER AND SHALL BE REFLECTED IN THE AS-BUILTS.

DRAWN BY GREILLY DATE 04/30/2020
CHECKED BY GTHIESSE DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
1	5/26/2020	ADDENDUM NO 3

CONTRACT NO. I-17-4339

ITS PLAN I-294
STA 1845+00 TO STA 1859+00

SHT NO. ITS-02

DRAWING NO. 515 OF 1740

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FOR CONTRACT I-17-4339
ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: May 26, 2020

Questions pertaining to plan holders

Question No. 1
Please provide the pesa boring information for the nonspecial waste, showing where all the nonspecial waste is and what category it is for each boring done.

Response No. 1
The Environmental Site Assessment will be posted to the Tollway on-line plan room.

Question No. 2
Can the intermediate coat for both system be this some: Sherwin William Macropoxy 646 or for system 3 has to be Sherwin Williams DTM Acrylic –B66W1
Can the top urethane coat for both systems be this some: Sherwin Williams Acrolon 218 HS or for system 3 has to be Sherwin Williams DTM Acrylic –B66W100

Response No. 2
The intermediate and top coat for System 3 shall be per the IDOT approved list for Organic Zinc-Rich Paint System:
http://www.idot.illinois.gov/Assets/uploads/files/Doing-Business/Specialty-Lists/Highways/Materials/Organic%20Zinc%20Bridge%20Paints.pdf

Question No. 3
Volume 2 drawings, Page 474: Conduit run labeled with “J” & “S” from pole at Station 1871+66 to the Existing Lighting Controller to be removed; is this supposed to be a removal item? Or is this new conduit run and existing lighting controller to utilized in the temporary lighting and removed once permanent lighting has been installed?

Response No. 3
The temporary lights are labeled to be installed in Stage 2A and the existing lighting controller is to be removed in stage 3. The existing controller is intended to feed the temporary system until the median lights are installed and operational.

Question No. 4
Volume 2 drawings, Page 478: Is the conduit run labeled with “K” & “P” from Temporary Wood pole at Station 1918+00 to Proposed Temporary Lighting supposed to be new and have quantity added to take off?

Response No. 4
The proposed temporary lighting controller and the associated service feed are proposed. The greyscale on these is incorrect and has been changed as part of Addendum 3. The quantity for the conduit and cable is correctly shown.

Question No. 5
Volume 2 drawings, Page 478: Per note 1, "Provide temporary connection to proposed light pole….", should this pole be getting aerial cable ran to it from the temporary wood pole at Station 1915+95, or are we to provide temporary connection from the existing junction box to the east of said pole? If so, how will this be paid?

Response No. 5
Note 2 should state the aerial cable disconnecting from the existing pole at approximately 1918+30 to the temporary controller/wood pole at 1918+25 is included in the price of "Temporary Lighting Controller, 480V, POLE MOUNTED." No additional aerial cable is required. A note has been added to the sheet and is part of Addendum 3.

Question No. 6
Volume 2 drawings, Page 479 & 480: Is the aerial cable running north on the west-side of I-294 to be included in the bid? If so, is it the same aerial cable pay item that is listed under the symbols legend on page 471, "aerial cable, 4-1/C NO. 2 ALUMINUM WITH MESSENGER WIRE (UNLESS OTHERWISE NOTED)"? If not, how will this be paid?

Response No. 6
This is an access control line and not aerial cable.

Question No. 7
Volume 2 drawings, Page 480: Where is the temporary lighting controller 200A at Station 1870+00 to be paid for? There is no pay item for a temporary lighting controller.

Response No. 7
The temporary lighting controllers were initially quantified as pay item JS825004. Pay item JT825025 has been added in Addendum 3. The quantity for JS825004 has been deducted accordingly and is part of Addendum 3.

Question No. 8
Volume 2 drawings, Page 480: Where is the 90' wood pole that the temporary lighting controller 200A at Station 1870+00 to be paid for? There is no pay item for any 90' wood poles and it shows it as proposed.

Response No. 8
This is a typo and should read 70'. This has been modified as part of Addendum 3.

Question No. 9
Volume 2 drawings, Page 483 to 484: Conduit run from lighting unit at Station 1913+46 to lighting unit at Station 1916+20 starts out on page 483 labeled as “G” & “D”, but switches to “B” on page 484 in the middle of the run. Please advise which conduit run is correct.

Response No. 9
Callout “B” is correct. Page 483 has been modified as part of addendum 3.

Question No. 10
Volume 2 drawings, page 480: Lighting unit at Station 1867+53 is labeled as, “PROPOSED SINGLE ARM LIGHTING UNIT, WALL MOUNTED, 50’ MOUNTING HEIGHT, 15’ TRUSS-TYPE ARM…”, there is no pay item for this type of lighting unit. Please advise how this will be paid.

Response No. 10
This is a typo and is a 12’ mast arm. This has been modified as part of Addendum 3.

Question No. 11
Volume 2 drawings, Page 487: Per note 3, “FOR UNDERPASS LIGHTING DETAIL, SEE SHEET LT-25”. Sheet LT-25 is a detail for light pole foundation single face reinforced concrete barrier. Please add in sheet to drawings for underpass lighting detail.

Response No. 11
The correct sheet is LT-30. This note has been corrected as part of Addendum 3.

Question No. 12
Volume 2 drawings, Page 488: None of the proposed junction boxes on this page are labeled with their size. Please correct and label junction boxes with size and mounting detail.

Response No. 12
The first two junction boxes are 12”x10”x6” while the remaining boxes are 6”x6”x4”.

Question No. 13
Volume 2 drawings, Page 502: There is no pay item for 2 ½” DIA CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVINIZED STEEL that runs from the proposed IDOT lighting controller to the proposed electric service installation. Please advise if the size is correct or add pay item to reflect the 2 ½” conduit.

Response No. 13
Conduit running from the ground mounted controller to the proposed electric service installation is underground. Pay item 81028210 is correct.

Question No. 14
Volume 2 drawings, Page 515: There is no pay item for JT135076 that is listed under “EXISTING CCTV CAMERA TO BE REMOVED AND SALVAGED, SEE NOTE 3, MP 35.1 294S035.1CAMV211”. Should this pay item be JT125097- REMOVE CCTV CAMERA, POLE MOUNTED, to match the pay item included in the P pages? If not, please advise how this will be paid.

Response No. 14
This should be pay items JT135096 and JT135097.

Question No. 15
Volume 2 drawings, Page 480: Lighting unit at Station 1867+53 has a light pole identification of S15=2-50-L2/ TYPE F. Please correct light pole identification, as we assume this is a typo.

Response No. 15
Yes, this should be S12-50-L2, see question 10.

Question No. 16
Pay item JS810835 “UNDERGROUND CONDUIT, PVC, 2” DIA” bid quantity seems very low. Please advise if bid quantity is incorrect.

Response No. 16
JS810835 quantity has been revised as part of Addendum 3.

Question No. 17
Pay item JS812027 “CONDUIT EMBEDDED IN STRUCTURE, 4” DIA., PVC” bid quantity seems very low. Please advise if bid quantity is incorrect.

Response No. 17
JS812027 quantity has been revised as part of Addendum 3.

Question No. 18
Volume 2 drawings, Page 482: Are the lighting units along Proposed Ramp S2 at stations 422+65, 427+03, 429+28, 431+44 to follow Note 2 from page 486. “ALL POLES ARE SHOWN FOR REFERENCE ONLY, LIGHT POLES, LUMINAIRES, AND CABLE SHALL BE INSTALLED IN FUTURE CONTRACT”? Or are these to be included in contract I-17-4339? If they are to be installed in a future contract, should lighting unit at station 424+85 be included in this as well?

Response No. 18
All poles luminaires, and cabling for the lights mounted to the bridge structures for Ramps S1 and S2 are for reference only. Only the pole blisters and the embedded conduit are to be installed at this time. The light pole and luminaire quantities are correct. An additional note that these will be installed in the future has been added to this sheet as part of Addendum 3 for additional clarity.

Question No. 19
Volume 2 drawings, Page 482: Is the lighting unit along proposed ramp S1 at station 307+63 to follow Note 2 from page 486. “ALL POLES ARE SHOWN FOR REFERENCE ONLY, LIGHT POLES, LUMINAIRES, AND CABLE SHALL BE INSTALLED IN FUTURE CONTRACT”? Or are these to be included in contract I-17-4339?

Response No. 19
All poles luminaires, and cabling for the lights mounted to the bridge structures for Ramps S1 and S2 are for reference only. Only the pole blisters and the embedded conduit are to be installed at this time. The light pole and luminaire quantities are correct. An additional note that these will be installed in the future has been added to this sheet as part of Addendum 3 for additional clarity.

Question No. 20
Volume 2 drawings, Page 482: Lighting units at stations 1898+60 & 1900+62 have a light pole identification showing that they are wall mounted units with 15’ mast arms, there is no pay item for wall mounted light poles with a 15’ mast arm. Please advise how these are to be paid for.

Response No. 20
This is a typo and is a 12’ mast arm. The typo has been corrected as part of Addendum 3.

Question No. 21
Volume 2 drawings, page 483: Lighting units at stations 1902+65, 1905+35, 1908+05, 1910+75, 1907+79, 1910+65 & 1913+49 have a light pole identification showing that they are wall mounted units with 15’ mast arms, there is no pay item for wall mounted light poles with a 15’ mast arm. Please advise how these are to be paid for.

Response No. 21
This is a typo and is a 12’ mast arm. The typo has been corrected as part of Addendum 3.

Question No. 22
Volume 2 drawings, Page 483: Lighting unit at station 1913+46 has a light pole identification showing that it is a bridge mounted unit with 15’ mast arm, there is no pay item for bridge mounted units with a 15’ mast arm. Please advise how this will be paid.

Response No. 22
The pole at 1913+46 is a ground mounted pole. This item is shown correctly.

Question No. 23
Volume 2 drawings, Page 484: Lighting units at station 1916+20 have a light pole identification showing that it is a bridge mounted unit with 15' mast arm, there is no pay item for bridge mounted units with a 15' mast arm. Please advise how this will be paid.

Response No. 23
The pole at 1916+20 is a ground mounted pole. This item is shown correctly.

Question No. 24
The ISTHA lighting plans are calling for 2" PVC conduit casings under roadways. Previous ISTHA drawings call for these casings to be RGS conduit. Please confirm PVC is required.

Response No. 24
Schedule 80 PVC is accepted for roadway crossings.

Question No. 25
Light pole on page 483 at approximate station 1913+46 going west bound appear to be ground mounted, but is showing embedded 2" conduit feeds. Match line on sheet LT-14 also shows a match to underground unit duct. Please clarify.

Response No. 25
The run shall be callout "B" as identified in comment 9.

Question No. 26
Please provide drawings with Schedule of Quantity tables for each electrical system including ISHTA Lighting, IDOT Lighting, IDOT Traffic Signals, ITS, to further assist in determining which duplicate pay items were intended to be used at each system.

Response No. 26
The requested schedule of quantities is not required.

Question No. 27
Please go over light pole quantities from pages 479-486 and ensure that the correct pay items are in the bid and that the bid quantities are correct.

Response No. 27
Please see responses above regarding the typos for the mast arms.

ADDENDUM NO. 2
TO
CONTRACT REQUIREMENTS
FOR CONTRACT I-17-4339
ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: 5/19/2020

For which proposals will be received by the Illinois State Toll Highway Authority through electronic bidding via BidBuy until 10:30 a.m. local time on **June 5, 2020**

NOTICE OF REVISION TO CONTRACT

NOTES:

1. An optional Pre-Bid Meeting was held Tuesday, May 12, 2020 at 2 P.M. through the Tollway WebEx.

2. A complete set of Schedule of Prices is included with this Addendum and must be inserted into the Contract Bid by the Bidder. The Bidder's attention is called to pages P-5R, P-7R, P-8R, P-9R, P-10R,P-14R, P-15R, P-17R, P-22R, P-23R, P-26R, P-27R, P-28R, P-30R, P-33R, P-34R, P-36R, P-37R, P-39R, P-43R, P-44R, P-45R and P-48R which have been revised and included as part of the Schedule of Prices.

3. The following revised Special Provision pages are included in the Contract with this Addendum: J-10R, J-37R, J-39R, J-93R, J-95R, J-112R, J-113R, J-154R, J-158R and J-215R.

4. The following new Special Provision pages are included in the Contract with this Addendum: J-119A, J-146A, J-247A, J-247B, J-248A, J-248B, J-361A, J-521A and J-663A.

5. The following revised Special Provision pages will be issued to the successful Bidder: iR, iiR, iiiR, vR, viR, and viiiR.

6. The following revised Contract Drawings are included in this Addendum:

   Volume 1 – Drawings 73, 152, 163
   Volume 2 – Drawings 453, 454, 458, 464, 482, 483, 488
   Volume 3 – Drawings 619, 669, 670, 672, 673, 675, 680 to 684, 687, 701-706, 758, 776, 778, 779, 782, 783, 815, 819, 820
   Volume 4 – Drawings 869-872, 874, 878-880, 934

7. The following new Contract Drawings are included in this Addendum:
   Volume 7 – Drawings 1740G to 1740X.

8. Revised Contract Drawings 8 through 20 will be issued to the successful Bidder. The revised drawings will reflect the quantity changes shown in the "Summary of Revisions to Pay Item Quantities" table included in this addendum.

9. The minutes from the Optional Pre-Bid Meeting held on May 12, 2020 are included in this Addendum.

10. Additional files have been uploaded to the Online Plan Room as part of the Response to Plan Holder Questions. The additional files are listed in Special Provision pages J-93R and J-95R.

11. Responses to Request for Information received from the Plan Holders prior to and addressed at the Pre-Bid Meeting are included in this Addendum.

12. Responses to Request for Information received from the Plan Holders after the Pre-Bid Meeting are included in this Addendum. Additional responses will be included in a forthcoming Addendum.

CHANGES TO THE CONTRACT REQUIREMENTS

CHANGES TO THE SCHEDULE OF PRICES

SUMMARY OF REVISIONS TO PAY ITEM QUANTITIES						
SP PROV	**PAY ITEM NO.**	**DESCRIPTION**	**UNIT**	**ORIGINAL QUANTITY**	**CHANGE**	**NEW QUANTITY**
	20800150	TRENCH BACKFILL	CU YD	20,774	+54	20,828
	50200100	STRUCTURE EXCAVATION	CU YD	43,143	+446	43,589
	50300225	CONCRETE STRUCTURES	CU YD	6,664.5	+243.2	6,907.7
*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,300,293	+5,860	6,306,153
	50800515	BAR SPLICERS	EACH	6,152	+24	6,176
	51202100	FURNISHING STEEL PILES HP14X117	FOOT	37,374	+10	37,384
	51202305	DRIVING PILES	FOOT	65,511	+10	65,521
	51204650	PILE SHOES	EACH	862	+4	866
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	28,587	+307	28,894
*	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	0	+3	3
	70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	17	+2	19
	81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	8,448	+3,992	12,440
*	X1200044	TEMPORARY STORM SEWER 12"	FOOT	0	+227	227
*	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	0	+303	303
GBSP	Z0065704	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	3,931	+332	4,263
*	JI355121	WARM-MIX ASPHALT BASE COURSE, 9"	SQ YD	0	+549	549
*	JI406048	STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL12.5 N80	TON	10,702	+388	11,090
*	JI406107	ASPHALT TACK COAT	POUND	153,995	+2,659	156,654
*	JI406410	WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	0	+414	414
*	JI440010	CONCRETE MEDIAN BARRIER AND BASE REMOVAL	FOOT	6,393	+987	7,380
*	JI440015	HOT-MIX ASPHALT REMOVAL, VARIABLE DEPTH	SQ YD	0	+3,283	3,283
*	JI442724	CLASS D3 PATCHES, TYPE IV, 13 INCHES	SQ YD	0	+100	100
*	JI602010	CATCH BASIN, TYPE B	EACH	0	+2	2
*	JI704000	TEMPORARY CONCRETE BARRIER	FOOT	41,058	+3,213	44,271
*	JI704012	FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE	FOOT	738	+988	1,726
*	JI780300	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	205,978	+23,986	229,964

*	JI782022	BARRIER REFLECTORS, TYPE C	EACH	3,946	+260	4,206
*	JI830210	TEMPORARY WOOD POLE, 90 FT., CLASS 2, TO REMAIN IN PLACE	EACH	0	+1	1
*	JI830240	TEMPORARY WOOD POLE, 70 FT., CLASS 3, TO REMAIN IN PLACE	EACH	0	+6	6
*	JS810130	UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA	FOOT	1,155	+785	1,940
**	JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	0	+290	290
**	JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	0	+1,410	1,410
**	JS842080	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	39	+5	44
**	JS842105	POLE FOUNDATION, REMOVED	EACH	38	+5	43
*	JT151500	CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE	UNIT	0	+200,000	200,000
*	JT783005	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY	SQ FT	115,208	+9,888	125,096
*	JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	EACH	0	+11	11

* Indicates Special Provision
** Indicates Tollway Supplemental Special Provision
GBSP Indicates IDOT Guide Bridge Special Provision

Change #1 Contract Requirements, Volume I, pages P-5, P-7 to P-10, P-14, P-15, P-17, P-22, P-23, P-26 to P-28, P-30, P-33, P-34, P-36, P-37, P-39, P-43 and P-44 replaced with pages P-5R, P-7R, P-8R to P-10R, P-14R, P-15R, P-17R, P-22R, P-23R, P-26R to P-28R, P-30R, P-33R, P-34R, P-36R, P-37R, P-39R, P-43R and P-44R. These replacements contain the following revisions (attached):

1.1. The quantities for various pay items were revised as listed in the Summary of Revisions to Pay Item Quantities in Changes to the Schedule of Prices table above.

Change #2 Contract Requirements, Volume I, page P-45 replaced with page P-45R. This replacement contains the following revisions (attached):

2.1 Added pay item and quantity for JT151500.
2.2 Revised Unit Price Dollars from 2.00 to 1.00 for pay item JT154150.

Change #3 Contract Requirements, Volume I, page P-48 replaced with page P-48R. This replacement contains the following revisions (attached):

3.1 Added items 999ADJ20 through 999ADJ25 due to the addition of pay item JT151500.
3.2 Added note #2 for items 999ADJ20 through 999ADJ25.
3.3 Revised quantity for Total Amount of Contingency Work + Contractor's Quality Program (CQP).

CHANGES TO THE CONTRACT SPECIAL PROVISIONS

Change #4 Contract Requirements, Volume II and Volume III, replaced Pages i, ii, iii, v, vi and viii with Pages iR, iiR, iiiR, vR, viR and viiiR (issued to successful Bidder).
This replacement contains the following revisions:

4.1. Revised Table of Contents sheets to reflect special provision Change #5 to Change #19.

Change #5 Contract Requirements, Volume II replaced Page J-10 with page J-10R (attached). This replacement contains the following revisions:

5.1. Revised work to be completed in S.P. 103.3.

Change #6 Contract Requirements, Volume II replaced Page J-37 with page J-37R (attached). This replacement contains the following revisions:
6.1. Added CCM firms to S.P. 108.

Change #7 Contract Requirements, Volume II replaced Page J-39 with page J-39R (attached). This replacement contains the following revisions:
7.1. Added item to SP 110 for pay items 50100500, 50100600, 50100700 and 50100800.

Change #8 Contract Requirements, Volume II, replaced Page J-93 with page J-93R (attached).
This replacement contains the following revision:
8.1. Added two Existing Structure Information Package reports posted to Tollway on-line plan room in response to a plan holder request for information.

Change #9 Contract Requirements, Volume II, replaced Page J-95 with page J-95R (attached).
This replacement contains the following revision:
9.1. Added files for the Arlington Heights Road/I-90 interchange borrow site to be posted to Tollway on-line plan room.

Change #10 Contract Requirements, Volume II, replaced Pages J-112 and J-113 with page J-112R and J-113R (attached).
This replacement contains the following revision:
10.1. Added the southwest quadrant of the Arlington Heights/I-90 interchange.
10.2. Added the approximate volumes and availability of the borrow sites.
10.3. Added testing requirements.

Change #11 Contract Requirements, Volume II, added new Page J-119A (attached).
This new special provision contains the following revision:
11.1. Added a special provision for the new pay item, CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID, for the additional crossover for Maintenance of Traffic.

Change #12 Contract Requirements, Volume II, added new Page J-146A (attached).
This new special provision contains the following revision:
12.1. Added a special provision for the new pay item, TEMPORARY STORM SEWER 12", for the additional crossover for Maintenance of Traffic.

Change #13 Contract Requirements, Volume II, replaced Page J-154 with page J-154R (attached).
This replacement contains the following revision:
13.1. Added pay item STORM SEWER TO BE CLEANED, 15” to pay item table.

Change #14 Contract Requirements, Volume II, replaced Page J-158 with page J-158R (attached).
This replacement contains the following revision:
14.1. Added pay item CATCH BASIN, TYPE B to pay item table.

Change #15 Contract Requirements, Volume II, replaced Page J-215 with page J-215R (attached).
This replacement contains the following revisions:
15.1. Added pay item WARM-MIX ASPHALT BASE COURSE, 9” to pay item table.
15.2. Added pay item WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70 to pay item table.

Change #16 Contract Requirements, Volume II, added new Pages J-247A and J-247B (attached).
This new special provision contains the following revisions:
16.1. Added a special provision for the new pay item, HOT-MIX ASPHALT REMOVAL, VARIABLE DEPTH, for the additional crossover for Maintenance of Traffic.

Change #17 Contract Requirements, Volume II, added new Pages J-248A and J-248B (attached).
This new special provision contains the following revisions:
17.1. Added a special provision for the new pay item, CLASS D3 PATCHES, TYPE IV, 13 INCHES, for the additional crossover for Maintenance of Traffic.

Change #18 Contract Requirements, Volume II, added new Page J-361A (attached).
This new special provision contains the following revision:
18.1. Added a special provision for the new pay items, TEMPORARY WOOD POLE, 90 FT., CLASS 2, TO REMAIN IN PLACE and TEMPORARY WOOD POLE, 70 FT., CLASS 3, TO REMAIN IN PLACE, for the additional crossover for Maintenance of Traffic.

Change #19 Contract Requirements, Volume III, added new Page J-521A (attached).
This new special provision contains the following revision:
19.1. Added a special provision for the new pay item, CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE

Change #20 Contract Requirements, Volume III, added new Page J-663A (attached).
This new special provision contains the following revisions:
20.1. Added a special provision for the new pay item, TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE, for the additional crossover for Maintenance of Traffic.

CHANGES TO THE CONTRACT DRAWINGS

Change #21 Contract Plans, Volume 1, Drawings 8 through 20. Summary of Quantities.
These drawings contain the following revisions (issued to successful Bidder):
21.1. Revised quantity for pay items as noted in the revised Summary of Revisions to Pay Item Quantities on page 2.
21.2. Added new pay items and quantities as noted in the revised Summary of Revisions to Pay Item Quantities on page 2.

Change #22 Contract Plans, Volume 1, Revised Drawing 73.
This revised drawing contains the following revision (attached):
22.1. Added a Maintenance of Traffic Schedule of Quantities for the additional crossover for Maintenance of Traffic.

Change #23 Contract Plans, Volume 1, Revised Drawing 152.
This revised drawing contains the following revision (attached):
23.1. Revised the sheet presentation to include missing levels.

Change #24 Contract Plans, Volume 1, Revised Drawing 163.
This revised drawing contains the following revision (attached):
24.1. Revised the advanced signing for lane shift.

Change #25 Contract Plans, Volume 2, Revised Drawings 453, 454 and 458.
These revised drawings contain the following revision (attached):
25.1. Revised the pay item in the note for Detector Loop, Special.

Change #26 Contract Plans, Volume 2, Revised Drawing 464.
This revised drawing contains the following revision (attached):
26.1. Deleted callout.

Change #27 Contract Plans, Volume 2, Revised Drawings 482, 483 and 488.
These revised drawings contain the following revision (attached):
27.1. Added an electrical conduit per coordination with ComEd. Modified location of service installation for underdeck lighting per coordination with ComEd.
27.2. Note added to Drawing 483.

Change #28 Contract Plans, Volume 3, Revised Drawings 619.
These revised drawings contain the following revision (attached):
28.1. Steel diaphragms at beam bays below stage construction lines were removed.

Change #29 Contract Plans, Volume 3, Revised Drawings 669 and 672.
These revised drawings contain the following revision (attached):
29.1. Updated UPRR track names, vertical profiles and clearances.

Change #30 Contract Plans, Volume 3, Revised Drawing 670.
This revised drawing contains the following revision (attached):
30.1. Updated Total Bill of Material to reflect quantity changes due to pier revisions.

Change #31 Contract Plans, Volume 3, Revised Drawings 673, 675 and 680.
These revised drawings contain the following revisions (attached):
31.1. Updated temporary ground lines, finished ground lines and corresponding dimensions/data.
31.2. Updated UPRR track names and added UPRR ROW to plan and sections.
31.3. Updated Temporary Soil Retention System for temporary track to Temporary Soil Retention System (Special).

Change #32 Contract Plans, Volume 3, Revised Drawings 681 and 682.
These revised drawings contain the following revision (attached):
32.1. Updated UPRR track names and clarified Temporary Soil Retention System pay item.

Change #33 Contract Plans, Volume 3, Revised Drawings 683, 684 and 687.
These revised drawings contain the following revision (attached):
33.1. Updated number of piles and pile spacing at Piers 1 and 2.

Change #34 Contract Plans, Volume 3, Revised Drawings 701-706, 758.
These revised drawings contain the following revisions (attached):
34.1. Updated pier foundation details; bottom of pier footings was lowered by 3 ft to accommodate planned UP track work as part of UP-01 contract.
34.2. Updated bar assembly table on Drawing 758.

Change #35 Contract Plans, Volume 3, Revised Drawings 776, 778, 779, 782, 783, 819 and 820.
These revised drawings contain the following revision (attached):
35.1. Updated UPRR track names, vertical profiles, and clearances. Updated structure ratings.

Change #36 Contract Plans, Volume 3, Revised Drawing 815.
This revised drawing contains the following revision (attached):
36.1. Updated splice details.

Change #37 Contract Plans, Volume 4, Revised Drawings 869-872, 874, 878-880, 934.
These revised drawings contain the following revision (attached):
37.1. Updated UPRR track names, vertical profiles, and clearances. Updated structure ratings.

Change #38 Contract Plans, Volume 7, New Drawings 1740G to 1740X.
These new drawings contain the following revision (attached):
38.1. Construction of I-294 median crossover located north of St. Charles Road for maintenance of traffic added.

END OF ADDENDUM CHANGES

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	564		
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	515		
*	20100500	TREE REMOVAL, ACRES	ACRE	1.00		
	20101000	TEMPORARY FENCE	FOOT	1,647		
*	20200100	EARTH EXCAVATION	CU YD	145,750		
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,422		
*	20400800	FURNISHED EXCAVATION	CU YD	83,529		
	20800150	TRENCH BACKFILL	CU YD	20,828		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	203		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	602		
	25100127	MULCH, METHOD 3A	ACRE	71.00		
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4,267		
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	42,008		
	28100107	STONE RIPRAP, CLASS A4	SQ YD	162		
	28100205	STONE RIPRAP, CLASS A3	TON	20,135		

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	28100211	STONE RIPRAP, CLASS A6	TON	324		
	28200200	FILTER FABRIC	SQ YD	20,716		
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	7,916		
	42001300	PROTECTIVE COAT	SQ YD	105,587		
	44000100	PAVEMENT REMOVAL	SQ YD	73,578		
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,247		
	44000400	GUTTER REMOVAL	FOOT	8,225		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	143		
*	44001980	CONCRETE BARRIER REMOVAL	FOOT	391		
	44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	18		
	44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	15		
	44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	22		
	44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	271		
	45100100	CRACK ROUTING (PAVEMENT)	FOOT	730		
	45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	384		

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	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		
	50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1		
	50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1		
	50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1		
	50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1		
	50102400	CONCRETE REMOVAL	CU YD	161.6		
	50104400	CONCRETE HEADWALL REMOVAL	EACH	9		
	50157300	PROTECTIVE SHIELD	SQ YD	15,482		
	50200100	STRUCTURE EXCAVATION	CU YD	43,589		
	50200300	COFFERDAM EXCAVATION	CU YD	2,142		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	7,751		
	50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		
	50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1		
	50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1		

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	50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH	1		
	50201125	COFFERDAM (TYPE 2) (LOCATION - 5)	EACH	1		
	50201126	COFFERDAM (TYPE 2) (LOCATION - 6)	EACH	1		
	50300225	CONCRETE STRUCTURES	CU YD	6,907.7		
	50300254	RUBBED FINISH	SQ FT	29,887		
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,137.6		
	50300265	SEAL COAT CONCRETE	CU YD	543.0		
	50300280	CONCRETE ENCASEMENT	CU YD	34.0		
	50300285	FORM LINER TEXTURED SURFACE	SQ FT	18,274		
	50300300	PROTECTIVE COAT	SQ YD	54,729		
	50500505	STUD SHEAR CONNECTORS	EACH	62,136		
*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,306,153		
	50800515	BAR SPLICERS	EACH	6,176		
	50800530	MECHANICAL SPLICERS	EACH	256		
	50901760	PIPE HANDRAIL	FOOT	91		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	51100100	SLOPE WALL 4 INCH	SQ YD	36		
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	7,152		
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	16,596		
	51202000	FURNISHING STEEL PILES HP14X102	FOOT	4,389		
	51202100	FURNISHING STEEL PILES HP14X117	FOOT	37,384		
	51202305	DRIVING PILES	FOOT	65,521		
	51203600	TEST PILE STEEL HP12X53	EACH	12		
	51203900	TEST PILE STEEL HP14x89	EACH	10		
	51204000	TEST PILE STEEL HP14X102	EACH	4		
	51204100	TEST PILE STEEL HP14x117	EACH	16		
	51204650	PILE SHOES	EACH	866		
	51602000	PERMANENT CASING	FOOT	557		
	51603000	DRILLED SHAFT IN SOIL	CU YD	4		
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	86		
	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6		
	52100510	ANCHOR BOLTS, 3/4"	EACH	120		
	52100520	ANCHOR BOLTS, 1"	EACH	8		
	52100530	ANCHOR BOLTS, 1 1/4"	EACH	252		
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	40		
	52100560	ANCHOR BOLTS, 2"	EACH	48		
	52200010	TEMPORARY SHEET PILING	SQ FT	7,074		
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	28,894		
	52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	2,217		
	52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	9,140		
	52200250	UNTREATED TIMBER LAGGING	SQ FT	6,174		
*	52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	3,548		
	542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	102		
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4		
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	434		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	4,815		
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	5,555		
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,787		
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	1,248		
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	749		
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	373		
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	872		
	550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	262		
	550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	363		
	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	256		
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	480		
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	248		
	550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	175		
	550A0790	STORM SEWERS, CLASS A, TYPE 3 54"	FOOT	114		
	550A1010	STORM SEWERS, CLASS A, TYPE 4 24"	FOOT	18		

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	550A1080	STORM SEWERS, CLASS A, TYPE 4 48"	FOOT	185		
	550A1090	STORM SEWERS, CLASS A, TYPE 4 54"	FOOT	385		
	550A1360	STORM SEWERS, CLASS A, TYPE 5 54"	FOOT	337		
	55100200	STORM SEWER REMOVAL 6"	FOOT	411		
	55100500	STORM SEWER REMOVAL 12"	FOOT	1,285		
	55100700	STORM SEWER REMOVAL 15"	FOOT	2,079		
	55100900	STORM SEWER REMOVAL 18"	FOOT	2,208		
	55101200	STORM SEWER REMOVAL 24"	FOOT	590		
	55101300	STORM SEWER REMOVAL 27"	FOOT	213		
	55101400	STORM SEWER REMOVAL 30"	FOOT	310		
	55101600	STORM SEWER REMOVAL 36"	FOOT	541		
	55101800	STORM SEWER REMOVAL 42"	FOOT	1,285		
	55101900	STORM SEWER REMOVAL 48"	FOOT	256		
	55201700	STORM SEWERS JACKED IN PLACE, 54"	FOOT	365		
ISSP	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1,581		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	58700300	CONCRETE SEALER	SQ FT	11,859		
	59000200	EPOXY CRACK INJECTION	FOOT	36		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	2,056		
	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	1,639		
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3		
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5		
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1		
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5		
	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1		
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
	60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1		

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	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3		
	60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2		
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1		
*	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3		
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6		
	60256400	MANHOLES TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	4		
	60258800	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 8 GRATE	EACH	1		
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2		
	60500040	REMOVING MANHOLES	EACH	40		
	60500050	REMOVING CATCH BASINS	EACH	40		
	60500060	REMOVING INLETS	EACH	18		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	56		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	74		
	63200310	GUARDRAIL REMOVAL	FOOT	8,540		
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	18		
BDE	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	7,584		

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	70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE,NARROW), TEST LEVEL 3	EACH	19		
	70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	1		
D1	72000100	SIGN PANEL - TYPE 1	SQ FT	30		
D1	72000200	SIGN PANEL - TYPE 2	SQ FT	92		
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	20		
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	7		
	72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	956		
D1	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	35		
D1	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	42		
	72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3,950		
	73000100	WOOD SIGN SUPPORT	FOOT	74		
	73400100	CONCRETE FOUNDATIONS	CU YD	12		
	73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1		
	73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1		
	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	8		

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	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	8		
	73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	3		
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,612		
	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	99,498		
	78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	6,402		
	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	366		
	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	2,710		
	78100300	REPLACEMENT REFLECTOR	EACH	12		
D1	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		
D1	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		
D1	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,730		
D1	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	467		
D1	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	387		
D1	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	606		
D1	81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,223		

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D1	81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	20		
	81200215	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	FOOT	853		
	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	22		
	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	11		
D1	81400100	HANDHOLE	EACH	13		
D1	81400200	HEAVY-DUTY HANDHOLE	EACH	5		
D1	81400300	DOUBLE HANDHOLE	EACH	3		
	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1		
D1	81603055	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,482		
D1	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4,351		
D1	81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	70		
	81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	12,440		
D1	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	15		
D1	82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	22		
	82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	83050770	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	EACH	8		
	83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	8		
	83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	25		
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8		
	84400405	RELOCATE EXISTING WOOD POLES	EACH	5		
D1	86000100	MASTER CONTROLLER	EACH	1		
	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2		
D1	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	399		
D1	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,034		
D1	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,796		
D1	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,906		
D1	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,003		
	87301740	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 22 4 PAIR	FOOT	185		
D1	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	346		
D1	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,117		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
D1	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		
D1	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		
D1	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		
D1	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	2		
D1	87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1		
D1	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2		
D1	87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1		
D1	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		
D1	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24		
D1	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		
	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14		
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	94		
D1	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11		
D1	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3		
D1	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		

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D1	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		
D1	88055150	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		
D1	88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3		
D1	88055190	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		
D1	88055200	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		
D1	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	20		
	88500100	INDUCTIVE LOOP DETECTOR	EACH	16		
D1	88600100	DETECTOR LOOP, TYPE I	FOOT	943		
	88700200	LIGHT DETECTOR	EACH	2		
D1	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		
D1	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3		
D1	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2		
D1	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		
	89502380	REMOVE EXISTING HANDHOLE	EACH	20		
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18		
*	X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	22		
*	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	3		
*	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3		
*	X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	3		
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3		
*	X0323378	CONCRETE PARKING BLOCKS	EACH	22		
*	X0323449	REMOVE EXISTING WATER VALVE	EACH	4		
D1	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,055		
GBSP	X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	2,777		
*	X0326104	RELOCATE RADAR DETECTOR SYSTEM	EACH	1		
*	X0326713	SANITARY SEWER CONNECTION	EACH	3		
*	X0327369	SANITARY SEWER, DUCTILE IRON, 10"	FOOT	1,876		
*	X0327420	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	21		
*	X0327645	TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	2,906		

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*	X0327651	WATER MAIN IN CASING, 12"	FOOT	451		
BDE	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,409		
*	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	1,983		
*	X0795800	COARSE AGGREGATE	TON	966		
*	X0839900	SANITARY SEWER REMOVAL 6"	FOOT	64		
*	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	49		
*	X1200033	SANITARY SEWER IN CASING PIPE, 10"	FOOT	170		
*	X1200044	TEMPORARY STORM SEWER 12"	FOOT	227		
*	X1200209	TRENCH DRAIN REMOVAL	FOOT	495		
D1	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1		
D1	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2		
D1	X1400182	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1		
D1	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2		
*	X1400340	AERIAL CABLE REMOVAL	FOOT	95		
GBSP	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	24,554		
*	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	4,337		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
GBSP	X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		
GBSP	X5210120	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K	EACH	24		
GBSP	X5210180	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 550K	EACH	6		
GBSP	X5210200	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 650K	EACH	6		
GBSP	X5210210	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 700K	EACH	12		
GBSP	X5210220	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 750K	EACH	12		
GBSP	X5210230	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 800K	EACH	6		
GBSP	X5210240	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 900K	EACH	18		
GBSP	X5210355	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 650K	EACH	12		
GBSP	X5210375	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 850K	EACH	6		
*	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	1,593		
*	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	363		
*	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	303		
*	X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	668		
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	109		
*	X5620112	WATER SERVICE CONNECTION	EACH	2		

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GBSP	X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	3,793		
*	X6011705	PIPE DRAINS 6" (SPECIAL)	FOOT	34		
*	X6022110	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		
*	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10		
*	X6640535	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	FOOT	1,863		
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	12		
D1	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		
D1	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	399		
*	X8860400	DETECTOR LOOP, SPECIAL	FOOT	928		
GBSP	Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		
*	Z0010615	CLEANING EXISTING INLETS	EACH	4		
GBSP	Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	959		
GBSP	Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	959		
GBSP	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1		

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GBSP	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	1		
*	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	1		
GBSP	Z0018800	DRAINAGE SYSTEM	L SUM	1		
D1	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	15		
D1	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		
GBSP	Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	52.5		
GBSP	Z0034809	MODULAR EXPANSION JOINT-SWIVEL 9"	FOOT	100.5		
GBSP	Z0034812	MODULAR EXPANSION JOINT-SWIVEL 12"	FOOT	89.0		
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,265		
GBSP	Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	1,694		
*	Z0048900	RAILROAD TRACK REMOVAL	FOOT	2,334		
*	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	79		
*	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	33		
*	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	26		
*	Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	451		

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*	Z0056628	STORM SEWER (WATER MAIN REQUIREMENTS) 54 INCH	FOOT	20		
GBSP	Z0065704	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	4,263		
*	Z0073346	SLEEPER SLAB	SQ YD	616		
*	Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	5		
D1	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		
*	JA000290	STEEL CASING PIPE, BORE AND JACK, 54"	FOOT	189		
*	JA000348	GATE VALVE AND VAULT, 8"	EACH	2		
*	JA000410	REMOVAL OF EXISTING WATER MAIN, 12"	FOOT	1,858		
*	JA000479	ABANDON EXISTING WATER MAIN IN PLACE, 12"	FOOT	159		
*	JA000633	PLUG SANITARY MANHOLE	EACH	1		
*	JA000650	DUCTILE IRON WATERMAIN, 12"	FOOT	1,975		
*	JA000655	WATER VALVES, 12"	EACH	6		
*	JA000660	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6		
*	JA000700	CONNECTION TO EXISITING WATER MAIN, 12"	EACH	3		
*	JA000810	ABANDON AND FILL EXISTING SANITARY SEWERS, 10"	FOOT	190		

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*	JI209010	POROUS GRANULAR BACKFILL FOR PIPE UNDERDRAINS	CU YD	82		
*	JI211110	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	9,013		
*	JI211112	TOPSOIL EXCAVATION AND DISPOSAL	CU YD	9,196		
*	JI213002	EXPLORATORY POTHOLING, UTILITIES	EACH	27		
*	JI213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	1,000		
*	JI213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	1,000		
*	JI251010	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	50,750		
*	JI251015	HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	41,349		
*	JI282010	SUBGRADE FILTER FABRIC	SQ YD	132,993		
*	JI312022	STABILIZED SUBBASE – WMA, 3"	SQ YD	93,608		
*	JI355121	WARM-MIX ASPHALT BASE COURSE, 9"	SQ YD	549		
*	JI406035	TEST STRIP (STONE MATRIX ASPHALT)	EACH	3		
*	JI406037	MATERIAL TRANSFER DEVICE	TON	17,157		
*	JI406041	STONE MATRIX WARM MIX ASPHALT BINDER COURSE, IL-9.5, N80	TON	6,455		
*	JI406048	STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL12.5 N80	TON	11,090		
*	JI406107	ASPHALT TACK COAT	POUND	156,654		
*	JI406410	WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	414		

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*	JI406510	WARM-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4		
*	JI406900	CONSTRUCTING WARM MIX ASPHALT TEST STRIP	EACH	4		
*	JI420022	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	SQ YD	540		
*	JI420040	BRIDGE APPROACH SLAB	SQ YD	2,242		
*	JI420041	TRANSITION APPROACH SLAB	SQ YD	5,289		
*	JI420046	TRANSITION APPROACH SHOULDER SLAB	SQ YD	364		
*	JI420906	LONGITUDINAL JOINT SEALANT	FOOT	84,195		
*	JI420907	LONGITUDINAL JOINT SEALANT, HALF WIDTH	FOOT	57,131		
*	JI421470	LONGITUDINAL SAW CUTS	FOOT	37,138		
*	JI440010	CONCRETE MEDIAN BARRIER AND BASE REMOVAL	FOOT	7,380		
*	JI440015	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,283		
*	JI440030	PAVED SHOULDER REMOVAL, VARIABLE DEPTH	SQ YD	66,086		
*	JI442724	CLASS D3 PATCHES, TYPE IV, 13 INCHES	SQ YD	100		
*	JI481070	AGGREGATE SHOULDERS SPECIAL, TYPE C	TON	216		
*	JI481130	AGGREGATE SHOULDERS WITH FILTER FABRIC, TYPE B 4"	SQ YD	207		
*	JI482128	WARM-MIX ASPHALT SHOULDERS, SPECIAL (9 IN.)	SQ YD	61,673		
*	JI485020	TEMPORARY PAVEMENT, CLASS 2	SQ YD	1,234		

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*	JI485030	TEMPORARY PAVEMENT, CLASS 3	SQ YD	755		
*	JI503010	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE	CU YD	7,859.0		
*	JI503020	HIGH PERFORMANCE CONCRETE MOMENT SLAB STRUCTURES	CU YD	7,401.1		
*	JI503230	MASS CONCRETE STRUCTURES	CU YD	5,914.1		
*	JI504060	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL45	FOOT	4,398		
*	JI504120	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL72	FOOT	8,940		
*	JI505231	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 1	L SUM	1		
*	JI505232	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 2	L SUM	1		
*	JI522500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	185,181		
*	JI550120	TEMPORARY STORM SEWER, CLASS A, 24"	FOOT	809		
*	JI550902	DUCTILE IRON STORM SEWER, 6 INCH	FOOT	57		
*	JI550936	DUCTILE IRON STORM SEWER, 36 INCH	FOOT	85		
*	JI593010	CONTROLLED LOW-STRENGTH MATERIAL (SPECIAL)	CU YD	163		
*	JI593030	ABANDON AND FILL EXISTING STORM SEWER	CU YD	61		
*	JI599007	TEMPORARY SOIL RETENTION SYSTEM TO REMAIN IN PLACE	SQ FT	2,259		

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*	JI601215	SLOPE DRAIN, 15"	FOOT	171		
*	JI601300	PIPE UNDERDRAINS, 6" (SPECIAL)	FOOT	824		
*	JI601320	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	14,685		
*	JI602010	CATCH BASIN, TYPE B	EACH	2		
*	JI602045	CATCH BASINS, TYPE G-3, TYPE 20A FRAME AND GRATE	EACH	25		
*	JI602115	CATCH BASINS, TYPE G-2, TYPE G-2 FRAME AND GRATE	EACH	4		
*	JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH	6		
*	JI602128	CATCH BASINS, TYPE G-3(MODIFIED), TYPE 20A FRAME AND GRATE	EACH	69		
*	JI602143	CATCH BASINS, TYPE G-5, TYPE 20A FRAME AND GRATE	EACH	2		
*	JI602310	MANHOLE, TYPE A, 4 FT DIAMETER, TYPE 1 FRAME, OPEN LID (TEMPORARY)	EACH	20		
*	JI602336	MANHOLE, TYPE A, 7 FT DIAMETER, TYPE G-2 FRAME AND GRATE	EACH	1		
*	JI602362	MANHOLE, TYPE A, 9 FT DIAMETER, TYPE 20A FRAME AND GRATE	EACH	1		
*	JI602518	DRAINAGE STRUCTURES TO BE ADJUSTED WITH TYPE 20A FRAME AND GRATE	EACH	18		
*	JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAME AND GRATE	EACH	2		
*	JI602791	JUNCTION CHAMBER, LOCATION 1	EACH	1		
*	JI602792	JUNCTION CHAMBER, LOCATION 2	EACH	1		

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*	JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1		
*	JI602794	JUNCTION CHAMBER, LOCATION 4	EACH	1		
*	JI602795	JUNCTION CHAMBER, LOCATION 5	EACH	1		
*	JI602801	CATCH BASINS, TYPE G-4, TYPE 20A FRAME AND GRATE	EACH	5		
*	JI602823	CATCH BASINS, TYPE G-4, WITH ONE TYPE 22A FRAME AND GRATE	EACH	2		
*	JI606010	GUTTER, TYPE G-2	FOOT	1,848		
*	JI606020	GUTTER, TYPE G-3	FOOT	861		
*	JI606030	GUTTER, TYPE G-3, MODIFIED	FOOT	87		
*	JI606050	CONCRETE GUTTER (SPECIAL)	FOOT	6,315		
*	JI630002	GALVANIZED STEEL PLATE BEAM GUARDRAIL,TYPE A, 6 FOOT POSTS	FOOT	438		
*	JI631110	TRAFFIC BARRIER TERMINAL, TYPE T1 (SPECIAL) TANGENT	EACH	2		
*	JI631120	TRAFFIC BARRIER TERMINAL, TYPE T2	EACH	2		
*	JI635010	ROADWAY DELINEATORS	EACH	4		
*	JI637014	CONCRETE BARRIER, DOUBLE FACE, VARIABLE HEIGHT	FOOT	558		
*	JI637017	CONCRETE BARRIER BASE (SPECIAL)	FOOT	117		

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*	JI637030	CONCRETE BARRIER, SINGLE FACE, REINFORCED, 42 INCH	FOOT	2,272		
*	JI637032	CONCRETE BARRIER BASE FOR SINGLE FACE BARRIER, REINFORCED, 42 INCH	FOOT	2,272		
*	JI637034	CONCRETE BARRIER, SINGLE FACE, REINFORCED, 42 INCH (SPECIAL)	FOOT	5,454		
*	JI637036	CONCRETE BARRIER BASE FOR SINGLE FACE BARRIER, REINFORCED, 42 INCH (SPECIAL)	FOOT	5,454		
*	JI637050	CONCRETE BARRIER BASE, 5'	FOOT	315		
*	JI637056	CONCRETE BARRIER BASE,VARIABLE HEIGHT, 7'	FOOT	243		
*	JI637060	CONCRETE BARRIER TRANSITION, SPECIAL	FOOT	117		
*	JI638010	TEMPORARY MODULAR GLARE SCREEN SYSTEM	FOOT	20,403		
*	JI642014	ASPHALT SHOULDER RUMBLE STRIP, 16 INCH	FOOT	16,602		
*	JI642030	MOMENT SLAB RUMBLE STRIP	FOOT	7,092		
*	JI664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	9,152		
*	JI664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	23		
*	JI664315	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	14		
*	JI664320	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	18		
*	JI664335	DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	6		

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*	JI664400	RIGHT OF WAY FENCE REMOVAL	FOOT	9,032		
*	JI666010	RIGHT OF WAY MARKER	EACH	18		
*	JI667010	PERMANENT SURVEY MONUMENT	EACH	2		
*	JI669015	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	320		
*	JI680004	HEADWALL TYPE I, 24"	EACH	1		
*	JI680007	HEADWALL TYPE I, 36"	EACH	1		
*	JI680073	HEADWALL TYPE III, 54", 1:3	EACH	1		
*	JI704000	TEMPORARY CONCRETE BARRIER	FOOT	44,271		
*	JI704005	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	19,263		
*	JI704012	FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE	FOOT	1,726		
*	JI706282	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3, TO REMAIN IN PLACE	EACH	1		
*	JI706400	REMOVE TEMPORARY IMPACT ATTENUATOR	EACH	1		
*	JI725000	TERMINAL MARKER - DIRECT APPLIED	EACH	6		
*	JI728010	TELESCOPING STEEL SIGN SUPPORT, BARRIER ASSEMBLY	EACH	13		
*	JI780300	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	229,964		

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*	JI780320	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	286		
*	JI782014	GUARDRAIL BARRIER REFLECTORS, TYPE B	EACH	10		
*	JI782022	BARRIER WALL REFLECTORS, TYPE C	EACH	4,206		
*	JI811272	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	979		
*	JI811276	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	380		
*	JI811282	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., STAINLESS STEEL	FOOT	256		
*	JI830210	TEMPORARY WOOD POLE, 90 FT., CLASS 2, TO REMAIN IN PLACE	EACH	1		
*	JI830240	TEMPORARY WOOD POLE, 70 FT., CLASS 3, TO REMAIN IN PLACE	EACH	6		
*	JI999706	STEEL CASING PIPE , BORED AND JACKED, 24"	FOOT	169		
*	JI999754	SANITARY SEWER, DUCTILE IRON, 6"	FOOT	38		
**	JS107361	APPLY DUST SUPPRESSION AGENTS	UNIT	1,440		
*	JS120100	TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	11		
**	JS120710	ENERGY ATTENUATOR	EACH	3		
**	JS120715	ENERGY ATTENUATOR CONCRETE PAD	SQ FT	414		
**	JS120801	SCUPPER, DS-12	EACH	26		
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL MO	40		
**	JS280040	EROSION AND SEDIMENT CONTROL-CLEANOUT	CU YD	1,420		

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**	JS280050	SILT FENCE	FOOT	15,723		
**	JS280051	RE-ERECT SILT FENCE	FOOT	3,931		
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	10,350		
**	JS280100	SUPER SILT FENCE	FOOT	1,364		
**	JS280120	TREE PROTECTION	FOOT	441		
**	JS280140	TEMPORARY RIPRAP	TON	1,860		
**	JS280151	SAME-DAY STABILIZATION	SQ YD	122,816		
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	20		
**	JS280205	FILTER FABRIC INLET PROTECTION, COVER TYPE	EACH	11		
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	160		
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	1,732		
*	JS503160	DIAMOND GRINDING AND SURFACE SMOOTHNESS FOR BRIDGE SECTIONS	SQ YD	15,900		
**	JS670CM0	FIELD OFFICE, TYPE C (MODIFIED)	CAL MO	42		
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SUM	1		
*	JS701010	MAINTENANCE OF TRAFFIC	L SUM	1		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
**	JS733B25	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (25 FT)	FOOT	25		
**	JS733B35	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (35 FT)	FOOT	35		
**	JS733105	OVERHEAD SIGN STRUCTURE, SPAN TYPE (ALUMINUM) (105 FT)	FOOT	103		
**	JS734A10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, SPAN TYPE	CU YD	370.2		
**	JS734B10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE	CU YD	212.0		
**	JS734G10	FOUNDATION FOR ITS GANTRY FRAME	CU YD	266.6		
**	JS804100	ELECTRIC SERVICE INSTALLATION	EACH	4		
*	JS810130	UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.	FOOT	1,940		
**	JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	427		
**	JS810835	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	30		
**	JS810839	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	380		
**	JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	290		
**	JS810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 6" DIA.	FOOT	2,420		
**	JS812023	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	21,331		
**	JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	185		
*	JS812028	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	FOOT	14,294		

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**	JS813001	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	EACH	2		
**	JS813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	EACH	4		
*	JS813015	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 20" X 12" X 8"	EACH	1		
**	JS813022	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	28		
**	JS813053	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4		
**	JS813055	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	30		
**	JS813083	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	1		
**	JS813094	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	7		
**	JS814001	HANDHOLE, TOLLWAY	EACH	13		
**	JS816038	UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,630		
**	JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,410		
**	JS816078	UNIT DUCT, WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	938		
**	JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	5,022		
**	JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	97,474		
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	3,315		
**	JS817224	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 500MCM	FOOT	360		

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*	JS821010	TEMPORARY FLOOD LIGHTING UNIT	EACH	37		
**	JS821100	LUMINAIRE, LED, HORIZONTAL MOUNT	EACH	105		
**	JS821110	UNDERPASS LUMINAIRE, LED	EACH	32		
**	JS825004	LIGHTING CONTROLLER, 200 AMPERE	EACH	3		
*	JS825010	LIGHTING CONTROLLER, SPECIAL	EACH	1		
**	JS828001	LIGHTING CONTROLLER FOUNDATION, TYPE A	EACH	1		
**	JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	EACH	3		
**	JS830006	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	EACH	4		
**	JS830007	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	EACH	1		
**	JS830013	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	EACH	45		
**	JS830015	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	EACH	25		
**	JS830025	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	2		
**	JS830033	TEMPORARY WOOD POLE, 70 FT., CLASS 3	EACH	38		
**	JS836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	3		
**	JS836006	LIGHT POLE FOUNDATION (ROADWAY) MEDIAN, TYPE 2	EACH	1		

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**	JS842080	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	44		
**	JS842105	POLE FOUNDATION, REMOVED	EACH	43		
**	JS845011	REMOVAL OF LIGHTING CONTROLLER	EACH	1		
**	JS845012	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3		
**	JS845013	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1		
**	JS846001	MAINTAIN LIGHTING SYSTEM	L SUM	1		
*	JT130714	REAIMING MVDS UNITS	EACH	12		
*	JT130750	INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	EACH	1		
*	JT130752	CONCRETE FOUNDATION, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	EACH	1		
*	JT130756	ELECTRIC WORK, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY, NO ITS	EACH	1		
*	JT130775	NATURAL GAS SERVICE	EACH	1		
*	JT131317	REMOVE BLUETOOTH TRAFFIC SENSOR	EACH	1		
*	JT132110	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER	EACH	2		
*	JT132112	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER FOUNDATION	EACH	2		
*	JT132114	REMOVE DYNAMIC MESSAGE SIGN - TYPE 1	EACH	2		

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*	JT132800	REMOVE ITS POLE MOUNTED ENCLOSURE	EACH	1		
*	JT134000	MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS	L SUM	1		
*	JT134010	INTELLIGENT TRANSPORTATION SYSTEMS CABINET FOUNDATION	EACH	1		
*	JT134030	INTELLIGENT TRANSPORTATION SYSTEMS GANTRY SITE GROUNDING	EACH	2		
*	JT134037	ITS ELEMENT SITE GROUNDING - POLE MOUNTED ASSEMBLY	EACH	2		
*	JT134041	ITS ELEMENT SITE GROUNDING - ITS MONOPOLE CCTV TOWER ASSEMBLY	EACH	1		
*	JT135006	REMOVE MICROWAVE VEHICLE DETECTION ASSEMBLY	EACH	1		
*	JT135042	WEBCAM	EACH	2		
*	JT135096	ITS POLE AND BASE REMOVAL	EACH	2		
*	JT135097	REMOVE CCTV CAMERA, POLE MOUNTED	EACH	1		
*	JT160099	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, TORSION ASSIST, 48"X72"X36"	EACH	2		
*	JT160130	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, 36"X60"X36"	EACH	4		
*	JT160149	CABLE MARKER SIGN WITH POST FOR ELECTRIC CABLE	EACH	27		
*	JT160217	LOCATE POST FOR FIBER OPTIC CABLE	EACH	18		
*	JT160218	CABLE MARKER WARNING SIGN, WITH POST, FOR FIBER OPTIC CABLE	EACH	18		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT202009	NON-SPECIAL WASTE DISPOSAL, TYPE 1	CU YD	18,939		
*	JT210001	POROUS GRANULAR BACKFILL	CU YD	661		
*	JT211A08	SUBGRADE AGGREGATE 9 IN.	CU YD	309		
*	JT211A11	SUBGRADE AGGREGATE 12 IN.	CU YD	46,311		
*	JT250432	SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL)	ACRE	6.75		
*	JT250446	SEEDING, GRASS-FORB MIX 2 (SPECIAL)	ACRE	12.25		
*	JT250491	SEEDING, WET DETENTION MIX (SPECIAL)	ACRE	0.50		
*	JT280500	SEDIMENT FILTER BAG	EACH	113		
*	JT280510	FLOC LOG	EACH	176		
*	JT280530	IN-LINE FLOCCULATION SYSTEM	EACH	2		
*	JT285055	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1	SQ YD	6,163		
*	JT301010	GRANULAR SUBBASE, SPECIAL	CU YD	130		
*	JT420104	JOINTED PLAIN CONCRETE PAVEMENT FOR COMPOSITE PAVEMENT 11"	SQ YD	92,172		
*	JT504100	PRECAST CONCRETE BRIDGE APPROACH SLABS	SQ FT	11,648		
*	JT525125	BONDED PREFORMED JOINT SEAL, 2 IN.	FOOT	682		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT525130	BONDED PREFORMED JOINT SEAL, 3 IN.	FOOT	903		
*	JT545006	STEEL CASING PIPE, BORE AND JACK, 18"	FOOT	170		
*	JT545036	STEEL CASING PIPE, BORE AND JACK, 36"	FOOT	282		
*	JT599029	DECORATIVE CONCRETE PATTERN	EACH	4		
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SUM	1		
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1		
*	JT701030	SUPPLEMENTAL BARRICADE	EACH/DAY	100		
*	JT701031	SUPPLEMENTAL SIGNING	SQ FT	100		
*	JT701032	SUPPLEMENTAL FLASHING ARROW BOARD (PER DAY)	EACH/DAY	28		
*	JT701033	SUPPLEMENTAL FLASHING ARROW BOARD (PER WEEK)	EACH/WEEK	40		
*	JT701034	SUPPLEMENTAL FLASHING ARROW BOARD (PER MONTH)	EACH/MONTH	12		
*	JT701035	SUPPLEMENTAL MAINTENANCE OF TRAFFIC	DAY	119		
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	1,186		
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	169		
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL MO	39		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT704040	EXISTING TEMPORARY CONCRETE BARRIER, REMOVED	FOOT	2,038		
*	JT720100	SIGN INSTALLATION, TYPE 1	SQ FT	129		
*	JT720110	SIGN INSTALLATION, TYPE 2	SQ FT	319		
*	JT720120	SIGN INSTALLATION, TYPE 3	SQ FT	1,534		
*	JT726030	MILEPOST MARKER ASSEMBLY, POLE MOUNTED	EACH	20		
*	JT726050	MILEPOST MARKER INSTALLATION	SQ FT	120		
*	JT740110	ITS GANTRY FRAME (STEEL), SPANS LESS THAN OR EQUAL TO 110'	FOOT	214		
*	JT740130	ITS GANTRY FRAME (STEEL), SPANS GREATER THAN 110' AND LESS THAN OR EQUAL TO 130'	FOOT	249		
*	JT780JB1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 6" GROOVE	FOOT	17,709		
*	JT780JC1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 7" GROOVE	FOOT	25,210		
*	JT780305	MULTI-POLYMER PAVEMENT MARKING - LINE 5"	FOOT	19,863		
*	JT780310	MULTI-POLYMER PAVEMENT MARKING - LINE 6"	FOOT	27,427		
*	JT783005	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY	SQ FT	125,096		
*	JT783009	RAISED PAVEMENT LANE MARKER, REFLECTOR REMOVAL	EACH	779		
*	JT789010	ARCHITECTURAL METAL LETTER	EACH	16		

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT804005	ELECTRIC SERVICE INSTALLATION - ITS	EACH	1		
*	JT810874	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2" DIA.	FOOT	16,290		
*	JT810876	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA.	FOOT	15,315		
*	JT810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 4" DIA.	FOOT	4,730		
*	JT813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 32" X 12" X 8"	EACH	1		
*	JT821010	REMOVE EXISTING LUMINAIRE, POLE MOUNTED	EACH	4		
*	JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	EACH	11		
*	JT836015	LIGHT POLE FOUNDATION (ROADWAY) 42" BARRIER	EACH	5		
*	JT836020	ITS ELEMENT POLE FOUNDATION STEEL HELIX (12 FT)	EACH	2		
*	JT900518	EMBANKMENT MODIFICATION	SQ YD	393,968		
*	JT900580	CHEMICALLY STABILIZED SUBGRADE, 9"	SQ YD	132,993		
*	JT901136	POND DEWATERING LOCATION A	L SUM	1		
					TOTAL AMOUNT OF CORE WORK	

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	3,150,000.00	3,150,000.00
*	JT151500	CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE	UNIT	200,000	1.00	200,000.00
*	JT154001	PAVEMENT PATCHING AND TRAFFIC CONTROL	UNIT	125,000	1.00	125,000.00
*	JT154002	DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE	UNIT	150,000	1.00	150,000.00
*	JT154005	EMERGENCY PAVEMENT AND SHOULDER REPAIRS	UNIT	60,000	1.00	60,000.00
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	200,000	1.00	200,000.00
*	JT154015	ALLOWANCE FOR UNFORESEEN DRAINAGE WORK	UNIT	75,000	1.00	75,000.00
*	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	UNIT	50,000	1.00	50,000.00
*	JT154045	CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS	UNIT	100,000	1.00	100,000.00
*	JT154051	CONTRACT ALLOWANCE FOR UNSUITABLE SOIL	UNIT	250,000	1.00	250,000.00
*	JT154052	CONTRACT ALLOWANCE FOR ADDITIONAL BUILDINGS DEMOLITION	UNIT	50,000	1.00	50,000.00
*	JT154062	CONTRACT ALLOWANCE FOR MAINTAIN INTELLIGENT TRANSPORTATION SYSTEM REPAIR	UNIT	30,000	1.00	30,000.00
*	JT154067	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	100,000	1.00	100,000.00
*	JT154079	CONTRACT ALLOWANCE FOR ILLINOIS STATE POLICE SERVICES	UNIT	1,000,000	1.00	1,000,000.00
*	JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	2,360,000	1.00	2,360,000.00
*	JT154112	ALLOWANCE FOR ADDITIONAL ELECTRICAL AND COMMUNICATION WORK	UNIT	100,000	1.00	100,000.00
*	JT154150	ALLOWANCE FOR STEEL COSTS ADJUSTMENT	UNIT	200,000	1.00	200,000.00
*	JT154160	ALLOWANCE FOR FUEL COSTS ADJUSTMENT	UNIT	50,000	1.00	50,000.00
*	JT154161	ALLOWANCE FOR BITUMINOUS MATERIALS COSTS ADJUSTMENT	UNIT	15,000	1.00	15,000.00

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	999NEG20	DAMAGES TO ILLINOIS TOLLWAY'S OPERATIONAL FACILITITES PER S.P. 115.5 - TRI-STATE	OCCUR		(10,000.00)	
	999NEG30	DAMAGES TO ILLINOIS TOLLWAY'S OPERATIONAL FACILITITES PER S.P. 115.5 - ALL ROADWAYS OFF-PEAK	OCCUR		(2,000.00)	
	999NEG31	DAMAGE TO ELECTRICAL FACILITIES PER TOLLWAY SUPPL. SPEC. 107.30 (b)	INC/DAY		(1,000.00)	
	999NEG32	LIQUIDATED DAMAGES FOR DELAY IN SUBMITTAL OF PROGRESS SCHEDULE PER TOLLWAY SUPPL. SPEC. 108.02 (e)	DAY		(300.00)	
	999NEG33	NON-COMPLIANCE WITH EROSION AND SEDIMENT CONTROL PER TOLLWAY SUPPL. SPEC. 280.02 (2) (1)	INC/DAY		(See Note 1)	
	999NEG34	NON-COMPLIANCE WITH RESPONSIBILITY FOR CONSTRUCTION HAULING EQUIPMENT PER TOLLWAY SUPPL. SPEC. 105.15	DAY		(1,000.00)	
	999NEG35	FAILURE TO RESPOND TO REGULATORY AGENCY REQUESTS, PER TOLLWAY SUPPL. SPEC. 280.02 (2) (2)	OCCUR		(25,000.00)	
	999NEG36	FAILURE TO COMPLY WITH OCCUPANCY DATE OR PROVIDE COMPLETE FACILITIES. FIELD OFFICE OR LAB PER TOLLWAY SUPPL. SPEC. 670.01 (b)	DAY		(500.00)	
	999NEG37	NON-COMPLIANCE WITH TOLLWAY MAINTENANCE OF TRAFFIC PER TOLLWAY SUPPL. SPEC. 701.01 (b) (1)	INC/DAY		(2,500.00)	
	999NEG38	FAILURE TO RESPOND TO RE-ESTABLISH DEVICES PER TOLLWAY SUPPL. SPEC. 701.01 (b) (2)	OCCUR		(2,500.00)	
	999NEG39	FAILURE TO REPAIR IMPACT ATTENUATORS, TEMPORARY PER TOLLWAY SUPPL. SPEC. 701.01 (b) (3)	OCCUR		(2,500.00)	
	999NEG40	LOSS OR DAMAGE TO TOLLWAY OWNED DEVICES PER TOLLWAY SUPPL. SPEC. 701.01 (b) (4)	SQ FT		(100.00)	
	999NEG41	NON-COMPLIANCE WITH IDOT MAINTENANCE OF TRAFFIC PER TOLLWAY SUPPL. SPEC. 701.01 (b) (5)	INC/DAY		(2,500.00)	
	999NEG42	NON-COMPLIANCE WITH MAINTAIN LIGHTING SYSTEM PER TOLLWAY SUPPL. SPEC. 846.06 (a)	INC/DAY		(1,000.00)	
	999NEG43	FAILURE TO RESPOND TO MAINTAIN LIGHTING SYSTEM PER TOLLWAY SUPPL. SPEC. 846.06 (b)	OCCUR		(1,000.00)	
	999NEG44	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.1	CAL DAY		(7,500.00)	

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.2	CAL DAY		(15,000.00)	
	999NEG46	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.3	CAL DAY		(6,000.00)	
	999NEG47	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.4	CAL DAY		(12,000.00)	
	999NEG48	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.5	CAL DAY		(6,000.00)	
	999NEG49	DAMAGE TO FIBER OPTIC UTILITIES PER S.P. 115.3	OCCUR		(10,000.00)	
	999NEG53	NON-COMPLIANCE WITH CONTRACTOR QUALITY PROGRAM SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG54	DAMAGE TO TOLLWAY MULTI-MODE CABLE, DMS SIGNS, CAMERAS, TELECOMMUNICATION, CABLE, ELECTRICAL, WATER AND SEWER PER S.P. 115.4	OCCUR		(1,000.00)	
	999NEG60	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.6	CAL DAY		(12,000.00)	
	999NEG61	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.7	CAL DAY		(12,000.00)	
	999NEG62	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.8	CAL DAY		(6,000.00)	
	999NEG63	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.9	CAL DAY		(6,000.00)	
	999NEG64	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.10	CAL DAY		(4,500.00)	
	999NEG72	FAILURE TO RESPOND TO MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG73	NON-COMPLIANCE WITH ITS PER MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG74	FAILURE TO REPAIR TO MAINTAIN ITS PER MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG90	ONE LANE OR RAMP BLOCKED PER S.P. FAILURE TO OPEN LANES TO TRAFFIC	15 MINUTES		(3,000.00)	
	999NEG91	TWO LANES BLOCKED PER S.P. FAILURE TO OPEN LANES TO TRAFFIC	15 MINUTES		(5,000.00)	

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
		ADJUSTMENTS				
	999ADJ20	PROTECTION METHOD I FOR CONCRETE IN SUBSTRUCTURES, CULVERTS, PUMP HOUSES AND RETAINING WALLS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ21	PROTECTION METHOD II FOR CONCRETE IN SUBSTRUCTURES, CULVERTS, PUMP HOUSES, AND RETAINING WALLS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ22	PROTECTION METHOD I FOR CONCRETE IN SUPERSTRUCTURES AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ23	PROTECTION METHOD II FOR CONCRETE IN SUPERSTRUCTURES AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ24	PROTECTION METHODS I, II OR III FOR CONCRETE IN FOOTINGS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ25	PROTECTION METHOD I FOR CONCRETE IN SLOPE WALLS AS PER IDOT Article 503.22			(See Note 2)	
	999ADJ45	CONSTRUCTIONWORKS APPRENCTICES WAGE RATE PAYMENT	HOUR		15.00	
		INCENTIVES				
		TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP)				8,265,000.00
		TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM = TOTAL AMOUNT OF BASE BID				
		ECP BID CREDIT				
		AWARD CRITERIA				

S.P. COLUMN LEGEND

* INDICATES SPECIAL PROVISION
** INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATIONS
BDE INDICATES IDOT BDE SPECIAL PROVISION
GBSP INDICATES IDOT GUIDE BRIDGE SPECIAL PROVISION
D1 INDICATES IDOT DISTRICT 1 SPECIAL PROVISION
ISSP INDICATES IDOT SUPPLEMENTAL SPECIAL PROVISION

Note 1: The deduction will be according to Article 280.02 (2)(1) Table A. The Contractor should leave the unit price value blank.
Note 2: The Contractor should leave the unit price value blank. The unit price will be entered by the Tollway after receipt of bids.

STANDARD NO.	TITLE
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

S.P. 103 CONTRACT COMPLETION DATE, SUBSTANTIAL AND INTERIM COMPLETION DATES

S.P. 103.1 CONTRACT COMPLETION DATE

The Contractor shall complete all work under this Agreement for the performance of Contract I-17-4339 on or before 11:59 p.m. CST on **December 1, 2023** and as specified in Article 108.05 of the Illinois Tollway Supplemental Specifications.

S.P. 103.2 SUBSTANTIAL COMPLETION DATE

The Contractor shall complete all roadway and bridge work, shoulder work, installation of permanent pavement markings, installation of permanent signing, installation of permanent lighting and establishment of the traffic lanes to the final proposed traffic lane configuration such that permanent lane closures are no longer required under this Agreement for the performance of Contract I-17-4339 on or before 11:59 p.m. CST on **November 1, 2023**.

S.P. 103.3 INTERIM COMPLETION DATE

The Contractor shall complete the construction of Northbound I-294 shoulders and the median crossover located north of St. Charles Road as described and specified in the contract plans and special provisions. The Southbound I-294 traffic shall be shifted into existing configuration on or before **November 24, 2020** at 11:59 PM CST. Traffic on I-294 shall remain in existing configuration during the 2020-2021 winter period.

S.P. 103.4 INTERIM COMPLETION DATE

The Contractor shall complete the removal of the existing outside of BN 288, the construction of Ramp S2 Pier 2 and Ramp S1 Pier 5, the construction of storm sewer pipes P409, P410, P801 and P802 and associated drainage structures, the construction of the pond access road on the north side of the pond to allow Contractor access from Powell to the UPRR ROW, the construction of the

information. Due to the circumstances of September 11, 2001, for security and safety reasons, Union Pacific Railroad employees no longer supply train information to parties outside the Railroad. The major insurance companies are aware of this situation.

S.P. 108 INDEMNIFICATION

In addition to indemnifying the Illinois Tollway under Article 107.26 of the Illinois Tollway Supplemental Specifications, the Contractor shall also indemnify and save harmless the Illinois Department of Transportation, Cook County Department of Transportation and Highways, the DuPage County Division of Transportation, the Village of Franklin Park, the City of Northlake, Union Pacific Railroad, Jacobs Engineering Group, Inc. (EOWA DCM) and all subconsultants, AECOM Technical Services, Inc. (CTS DCM) and all subconsultants, Alfred Benesch & Company (DSE) and all subconsultants, V3 (EOWA CCM) and all subconsultants, Omega & Associates, Inc. (OR & CTS CCM) and all subconsultants, Construction Manager and all subconsultants, the Program Management Office (PMO) HNTB Corporation, General Engineering Council (GEC) WSP USA, Inc. and their subconsultants and all their officers, agents and employees, in accordance with the indemnification requirements of Article 107.26 of said Illinois Tollway Supplemental Specifications.

S.P. 109 WORKING HOURS AND PROSECUTION OF THE WORK

The Contractor is to refer to Section 108 - PROSECUTION AND PROGRESS in the Illinois Tollway Supplemental Specifications.

Regardless of progress, the Contractor shall be required to prosecute the work without undue delays or extended time intervals between activities. The Contractor is expected to utilize a six-day work week and double shifts as required to complete The Work by the *Contract Completion Date* specified in *S.P. 103.1*, the *Substantial Completion Date* specified in *S.P. 103.2*, the *Interim Completion Dates* specified in *S.P. 103.3, S.P. 103.4, S.P. 103.5, S.P. 103.6, S.P. 103.7, S.P. 103.8, S.P. 103.9 and S.P. 103.10* and in accordance with the hour restrictions provided in the Contract Documents.

The Contractor is responsible for meeting all requirements of the Union Pacific Railroad (UPRR) for performance of work within or adjacent to the UPRR right of way (within 25 feet of the right of way). For work requiring railroad flagging services, the Contractor will be required to work within allowable working hours as determined by the UPRR.

50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	BNs 287/288: Full extraction of existing piles is anticipated at locations including, but not limited to: Existing west (south) abutment wingwall, where existing piles are in conflict with proposed 54" storm sewer pipe to be jacked/bored under existing wingwall (Stage 1 removal). Existing abutments, where existing piles are in conflict with proposed Pier 1 and Pier 2 driven piles (all removal stages). Existing east (north) abutment wingwalls, where existing piles are in conflict with proposed ITS conduit to be bored under existing wingwalls (Stage 1 and 3 removal). Existing east (north) abutment wingwall, where existing piles are in conflict with proposed Ramp S2 Pier 3 driven H-Piles (Stage 3 removal). Twenty (20) full pile extractions shall be included in this item.
50100500 50100600 50100700 50100800	REMOVAL OF EXISTING STRUCTURES NO. 3 REMOVAL OF EXISTING STRUCTURES NO. 4 REMOVAL OF EXISTING STRUCTURES NO. 5 REMOVAL OF EXISTING STRUCTURES NO. 6	Removal of existing gutter along the top of the existing retaining wall. All transport, placement and compaction as embankment, including any intermediate handling, stockpiling and transport of material.
50102400	CONCRETE REMOVAL	Removal of existing gutter along the top of the existing retaining wall. Cleaning and straightening existing reinforcement to remain Removal and disposal of existing expansion joints

TW-7-16-011-TE	May 31, 2018	May 31, 2018
TW-7-16-012-TE	March 28, 2018	March 28, 2018
TW-7-16-013-TE	April 30, 2018	April 30, 2018
TW-7-16-014-TE	April 12, 2018	April 12, 2018
TW-7-16-015-TE	May 29, 2018	May 29, 2018
TW-7-16-016-TE	May 30, 2018	May 30, 2018
TW-7-16-017-TE	May 22, 2018	May 22, 2018
TW-7-16-18-TE	June 13, 2018	June 13, 2018

However, the Illinois Tollway reserves the right not to issue the Notice to Proceed until sufficient right-of-way, as deemed by the Engineer, is available for commencement of the Work. In any event, there shall be no damages or additional compensation due to the Contractor for delays due to delay in furnishing the right-of-way, and the Contractor's sole remedy, where applicable, shall be an extension of time.

S.P. 119 AVAILABLE GEOTECHNICAL INFORMATION

The following is a listing of the structural reports prepared by Benesch and CH2M that is available for review on the online plan room of the Illinois Tollway.

- Structural Geotechnical Report – I-294 over Union Pacific Railroad, Bridge Nos. 287 and 288
- Structural Geotechnical Report – Ramp S2 over Union Pacific Railroad and I-294, bridge No. 1659
- Structural Geotechnical Report – Retaining Wall TS35.84R, NB – Tri-State Tollway (I-294) – Sta. 1894+75 through Sta. 1913+09
- Structural Geotechnical Report - Retaining Wall TS35.10R, SB (413a) – Tri-State Tollway (I-294) - Sta. 1858+00 through Sta.1867+91
- Structural Geotechnical Report - Retaining Wall TS35.15R, NB (413b) – Tri-State Tollway (I-294) - Sta. 1858+72 through Sta. 1868+22
- Structural Geotechnical Report - Retaining Wall TS35.35R, SB(R), (414a) – Tri-State Tollway (I-294) - Sta. 1869+77 through Sta. 1894+04
- Structural Geotechnical Report - Retaining Wall TS35.35R, NB(R), (414b) – Tri-State Tollway (I-294) - Sta. 403+90 through Sta. 422+98
- Structural Geotechnical Report - Bridges No. 285 NB and No. 286 SB – Tri-State Tollway (I-294) – replacing single-span structures over Grand Avenue
- Roadway Geotechnical Report - Tri-State Tollway (I-294) Sta. 1855+00 to Sta. 1918.00 South of Grand Avenue to Wolf Road
- Structural Geotechnical Report – Ramp S1 over Union Pacific Railroad and I-294, bridge No. 1658

S.P. 120 AVAILABLE REPORTS

- Phase II Environmental Site Assessment
- Existing Structure Information Package (ESIP) I-294 over Grand Avenue (BN 285 & 286).
- Existing Structure Information Package (ESIP) I-294 over UPRR (BN 287 & 288).

4339-EX_I-294_TS_SouthGrand_East_1.xml	.tin – XML format
4339-EX_I-294_TS_SouthGrand_East_2.xml	.tin – XML format
4339-EX_I-294_TS_SouthGrand_West_1.xml	.tin – XML format
4339-EX_I-294_TS_SouthGrand_West_2.xml	.tin – XML format
4339-EX_I-294_TS_GrandtoUP_East_1.xml	.tin – XML format
4339-EX_I-294_TS_GrandtoUP_East_2.xml	.tin – XML format
4339-EX_I-294_TS_GrandtoUP_West_1.xml	.tin – XML format
4339-EX_I-294_TS_NorthUP_East_1.xml	.tin – XML format
4339-EX_I-294_TS_NorthUP_East_2.xml	.tin – XML format
4339-EX_I-294_TS_NorthUP_East_3.xml	.tin – XML format
4656-align-CountyLineRd.xml	Proposed County Line Road CL
4656-align-D1 WACLP.xml	Proposed WA I-490 CL
4656-align-E CountyLineRd.xml	Existing County Line Road CL
4656-align-E NWAVE.xml	Existing Northwest Avenue CL
4656-align-E PowellSt.xml	Existing Powell Street CL
4656-align-E UPRR1.xml	Existing UPRR Track 1 CL
4656-align-E UPRR2.xml	Existing UPRR Track 2 CL
4656-align-E294.xml	Existing I-294 CL and Profile
4656-align-P 294_NB.xml	Proposed I-294 CL and NB PGL Profile
4656-align-P294_SB.xml	Proposed I-294 CL and SB PGL Profile
4656-align-PS1.xml	Proposed Ramp S1 BL and Profile
4656-align-PS2.xml	Proposed Ramp S2 BL and Profile
19116T02.tin	Borrow Site – Arlington Heights Road/I-90 Interchange
19116T03.tin	Borrow Site – Arlington Heights Road/I-90 Interchange

FURNISHED EXCAVATION

Description:

This work shall consist of excavating suitable material obtained from off-site locations and transporting the material to various locations throughout the limits of the contract. The Contractor will be allowed to use the suitable soil material which is currently stockpiled at the site location, hereinafter referred to as STOCKPILE 3H, identified and detailed in the Plans. An additional stockpile location that contains suitable soil material is located at the northwest and southwest quadrants of the Arlington Heights and I-90 Interchange, hereinafter referred to as the ARLINGTON HEIGHTS STOCKPILE. The Contractor is required to use the material from STOCKPILE 3H and the ARLINGTON HEIGHTS STOCKPILE and suitable excavated material that is obtained from locations specified in the contract plans to construct the proposed embankments. No borrow excavation from within the improvement limits or borrow from any other source will be allowed. Furnished excavation shall consist of excavating suitable materials obtained from STOCKPILE 3H and the ARLINGTON HEIGHTS STOCKPILE and transporting the materials to various locations throughout the limits of the contract. The work shall also include stockpile site maintenance as detailed in the plans. Stockpile 3H is planned to have approximately 35,000 CY which will be available May 1, 2022. The Arlington Heights Road / I-90 interchange has approximately 50,000 CY in the northwest and 80,000 CY in the southwest infields for immediate availability. The .tin files for the infields have been posted to the Tollway on-line plan room.

Delete Section 204 of the Standard Specifications in its entirety and replace with the following:

General Conditions and Requirements:

The soil material located at the STOCKPILE 3H and the ARLINGTON HEIGHTS STOCKPILE has generally been determined as suitable by the Tollway. Unsuitable material encountered shall be removed from the stockpiles in accordance with Section 202 of the Standard Specifications. Any material not meeting the requirements for Zone “A” Embankment Material outlined in Special Provision EMBANKMENT (ILLINOIS TOLLWAY) shall not be allowed to be used to construct the proposed embankment. Topsoil encountered during excavation will be removed and stockpiled at the locations detailed on the plans.

The Contractor will be required to coordinate material removal operations at this stockpile with the Engineer. The Contractor will be required to observe all State and municipal requirements regarding access, hours of operation and maintenance of local streets and haul roads. All material transported to the construction site shall be ticketed and confirmed by the Engineer.

The Tollway will not charge the Contractor for use of this material. The Contractor will be responsible for maintenance of the haul road that provides access to the stockpiled material and any haul roads that the Contractor deems necessary for excavating the stockpiled material. During excavation, the top of the material shall be sloped at 2% maximum and the side slopes no steeper than 1:3 (V:H). The Contractor will be responsible for all costs associated with restoration of the premises to the satisfaction of the Engineer.

Flaggers shall be required to facilitate truck/vehicle movements entering and exiting the site; the Contractor shall be responsible for all associated costs. These costs will not be paid separately, but included in the unit price of Furnished Excavation.

Upon commencement of their hauling operations, the Contractor shall be responsible for the maintenance of the Tollway stockpile site including haul roads, erosion control systems, fencing, signs and gates for the duration of their use. The aforementioned items shall remain in place for use in other contracts. Any portion of the stockpile that remains upon the completion

of this contract shall be left in stable condition with the top of the remaining material sloped at 2% maximum and the side slopes no steeper than 1:3 (V:H). The Contractor is advised that other contracts may concurrently be hauling suitable excavated materials or topsoil from the Stockpile 3H or ARLINGTON HEIGHTS STOCKPILE. In addition to complying with S.P. 106, the Contractor will be required to coordinate their operations with other contractors that may be working at the site. The coordination would include making reasonable accommodations and modifications to the Contractor's operations so as not to impede the progress of other contractors working at the site.

Testing:

The Contractor shall be responsible for all testing of the material before removal of any material from the site(s). Testing shall be according to the Illinois Tollway Special Provision for Embankment.

The soil material located at the borrow sites has generally been determined as suitable Zone: "A" material by the Illinois Tollway. Material that does not meet the requirements for Zone "A" Embankment Material outlined in Special Provision EMBANKMENT (ILLINOIS TOLLWAY) shall not be used without the permission of the Engineer.

Method of Measurement:

Furnished excavation will be measured for payment as follows.

Measured Quantities. Furnished excavation will be computed for payment in cubic yards (cubic meters) as follows.

Furnished Ex. = Embankment - [Suitable Ex. x (1 - Shrinkage Factor)]

Where:

Embankment = the volume of fill in its final position computed by the method of average end areas and based upon the existing ground line as shown on the plans, except as noted in (1) and (2) below;

Suitable Excavation = earth excavation, rock excavation, and other on-site excavation suitable for use in embankments as shown in the Earthwork Schedule on the plans;

Shrinkage Factor = As shown on the plans.

The quantity for furnished excavation will not be recalculated when surplus, suitable materials are utilized in embankments according to Article 202.03.

Basis of Payment:

Excavation of materials from the STOCKPILE 3H and the ARLINGTON HEIGHTS STOCKPILE, hauling the materials to embankment locations throughout the limits of the contract and constructing the proposed roadway embankment, and all work described herein will be measured in place and paid for at the contract unit price per cubic yard for FURNISHED EXCAVATION.

Pay Item Number	Designation	Unit of Measure
20400800	FURNISHED EXCAVATION	CU YD

CROSSOVER DRAINAGE STRUCTURES TO BE ADJUSTED

Description.

This work shall consist of adjusting catch basins, manholes, or inlets, with new frames and grates or lids in accordance with Section 602 and 603 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, and as modified herein.

Add the following paragraphs to Article 602.01 of the Standard Specifications:

"This work shall include removing existing frames and grates on drainage structures located in the pavement, installing new frames and grates or lids, and adjusting to final grade prior to placing the asphalt surface course.

All new grates and lids shall be bolted to the frame. For Type 1 lids, the bolt location, material, and construction methods used shall be approved by the Engineer prior to installation.

The drainage structures shall be securely sealed with Class SI concrete or brick and mortar after the new frames are installed so that no openings or gaps are present."

Basis of Payment.

This work will be paid for at the contract unit price per EACH for the type specified.

Pay Item Number	Designation	Unit of Measure
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH

TEMPORARY STORM SEWER

Description.

This work shall consist of constructing storm sewers in accordance with Section 550 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, and as modified herein.

The material may be selected from either Class A or Class B from the table in Article 550.03 of the Standard Specifications.

Polyvinyl Chloride (PVC) Pipe shall be allowed for temporary drainage connections.

Basis of Payment.
This work will be paid for at the contract unit price per FOOT for TEMPORARY STORM SEWER, of the diameter specified.

Pay Item Number	Designation	Unit of Measure
X1200044	TEMPORARY STORM SEWER 12”	FOOT

manhole section, which would cause service line blockages or otherwise deter the operation of the sewer system will not be permitted. The Contractor shall note the approximate volume and type of materials removed from each cleaned section.

Contractor shall take extraordinary care to avoid discharges of sediments into USACE jurisdictional wetlands or waters. For cleaning of storm sewers or culverts that discharge into a USACE regulated wetland or waters, vacuuming of the sediments within those pipes shall be required in order to avoid discharge of sediments into the regulated body. Discharge of any sediments or debris into the USACE regulated wetland or waters shall not be permitted. Storm sewers requiring vacuuming of sediments have been identified, but is not limited to, locations as labelled on the plans.

Method of Measurement. This work will be measured for payment in feet, as specified below.

Basis of Payment. This work will be paid at the contract unit price per foot for STORM SEWERS TO BE CLEANED, of the specified diameter. This price shall be payment in full for all material, equipment and labor necessary to complete this work as specified including vacuuming of sediments where required.

Pay Item Number	Designation	Unit of Measure
X5537800	STORM SEWER TO BE CLEANED, 12”	FOOT
X5538800	STORM SEWER TO BE CLEANED, 48”	FOOT
X5537900	STORM SEWER TO BE CLEANED, 15”	FOOT

DRAINAGE STRUCTURES FOR STORM SEWER SYSTEMS

Description. This work shall consist of constructing catch basins, manholes and drainage structures, together with the necessary cast iron frames and grates or lids, as shown in the Plans and Details or as indicated by the Engineer. This work shall be completed in accordance with applicable portions of Section 602 of the Standard Specifications, applicable portions of Illinois Tollway Standards B8, B25 and B27 and as specified herein.

Materials. Materials shall be in accordance with Article 602.02 of the Standard Specifications and applicable portions of Highway Standards 602001, 602011, 602106, 602301, 602401, 602411 and 602426 and Illinois Tollway Standards B8, B25 and B27.

Construction Requirements. Construction shall conform to Details shown in the Plans, IDOT and Tollway Standard Drawings and shall be in accordance with Article 602.04 of the Standard Specifications. All drainage structures and catch basins shall have a two-foot deep sump between the bottom of the lowest storm sewer invert and the bottom of the drainage structure or catch basin as indicated by the details in the plans.

The Contractor shall submit shop drawings where specified in the Plans or as directed by the Engineer.

The Contractor shall have the option to furnish pre-cast concrete structural elements subject to the prior written approval of the Engineer.

Method of Measurement. This work will be measured for payment, in place, in units of each.

Basis of Payment. This work will be paid at the contract unit price per each for each type specified, complete in place and accepted.

Pay Item Number	Designation	Unit of Measure
X6022110	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH
JI602010	CATCH BASIN, TYPE B	EACH
JI602045	CATCH BASINS, TYPE G-3, TYPE 20A FRAME AND GRATE	EACH
JI602115	CATCH BASINS, TYPE G-2, TYPE G-2 FRAME AND GRATE	EACH
JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH
JI602128	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE 20A FRAME AND GRATE	EACH
JI602143	CATCH BASINS, TYPE G-5, TYPE 20A FRAME AND GRATE	EACH
JI602336	MANHOLE, TYPE A, 7 FT DIAMETER, TYPE G-2 FRAME AND GRATE	EACH
JI602362	MANHOLE, TYPE A, 9 FT DIAMETER, TYPE 20A FRAME AND GRATE	EACH
JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAME AND GRATE	EACH

ASPHALT), according to the following:

(a) If the WMA or SMA placed during the initial test strip is determined to be acceptable, the mixture and test strip will be paid at the contract unit prices, which price shall not include the 400 or 300 tons of mix, as well as the appropriate testing. If an additional test strip is required due to a mixture change, the additional test strip will be paid for.

(b) If the WMA or SMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was not produced within the tolerances of the JMF, the initial mixture and test strip will not be paid for and shall be removed at no additional cost to the Illinois Tollway. An additional test strip will be paid for in full, if produced within the JMF tolerances.

(c) If the WMA or SMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was produced within the tolerances of the JMF, the mixture shall be removed. Removal will be paid for according to Article 109.04 of the Tollway Supplemental Specifications. This initial mixture and test strip will be paid for at the contract unit price, and any additional test strips will be paid for at one half the unit price of each test strip.

(d) If the WMA or SMA placed during a test strip is determined to be acceptable to remain in place by the Engineer and the Engineer deems a new start-up is required for any reason, the initial mixture and test strip will be paid for at the contract unit prices. The additional mixture will be paid for at the contract unit price and any additional test strips will be paid for at one-half the unit price for each test strip.

(d) If the Contractor requests and is granted approval for a mix design other than the initial approved WMA or SMA mix design, they shall construct a test strip for the new mix design at no additional cost to the Illinois Tollway.

Pay Item Number	Designation	Unit of Measure
JI312022	STABILIZED SUBBASE – WMA, 3”	SQ YD
JI355121	WARM-MIX ASPHALT BASE COURSE, 9”	SQ YD
JI406035	TEST STRIP (STONE MATRIX ASPHALT)	EACH
JI406041	STONE MATRIX WARM MIX ASPHALT BINDER COURSE, IL-9.5, N80	TON
JI406048	STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL 12.5 N80	TON
JI406410	WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON
JI406510	WARM-MIX ASPHALT SURFACE COURSE, MIX “D”, N70	TON
JI406900	CONSTRUCTING WARM MIX ASPHALT TEST STRIP	EACH
JI482128	WARM-MIX ASPHALT SHOULDERS, SPECIAL (9 IN.)	SQ YD

ASPHALT PAVEMENT SURFACE REMOVAL (Illinois Tollway)

Effective: September 21, 2011
Revised: February 12, 2020

Description. This work shall consist of removal of the existing asphalt pavement surface for subsequent resurfacing with asphalt mixtures in accordance with Section 440 of the Standard Specifications except as modified herein.

Revise the Article 440.04 of the Standard Specifications to read:

"Asphalt Surface Removal for Subsequent Resurfacing. The existing asphalt pavement surface shall be removed to the depth specified on the plans with a self-propelled milling machine. The machine shall be equipped with a means to control dust and other particulate matter created by the cutting action. The temperature at which the work is performed, the nature and condition of the equipment, and the manner of performing the work shall be such that the milled surface is not torn, gouged, shoved or otherwise damaged by the milling operation. Sufficient cutting passes shall be made so that all irregularities or high spots are eliminated to the satisfaction of the Engineer. The removal shall provide a milled surface that has uniform texture and a smooth riding surface for traffic. When tested with a 16 ft (5 m) straightedge, the milled surface shall have no surface variations in excess of 3/16 in. (5 mm). The 16 ft (5 m) straightedge shall be supplied by the Contractor.

No transverse vertical edges will be allowed. Transverse milled surface tie-ins to existing pavement shall be tapered to not less than a 50:1 slope. Transverse tapered joints may be tapered with the milling machine, a temporary asphalt wedge, or other methods approved by the Engineer. No longitudinal joint between the milled and existing surfaces shall fall between 1 to 5 feet of any lane line.

If the transverse joint is tapered with a temporary asphalt wedge, the milled surface at the joint shall be constructed as a butt joint the full depth of the lift of asphalt to be placed on the milled surface. The Contractor shall be responsible for maintaining this asphalt wedge until all corresponding asphalt mixture is placed. All work associated with this joint will not be paid for separately, but shall be included in the cost of milling.

If the transverse joint is tapered with a milling machine, a butt joint shall be cut into the taper the full depth of the lift of asphalt to be placed on the milled surface prior to commencement of resurfacing. All work associated with this joint will not be paid for separately, but shall be included in the cost of milling.

All debris and milled material, including that removed by other means, shall be immediately removed from the milled surfaces and adjacent surfaces. Surfaces shall be cleaned of all fines and dust prior to opening to traffic and to the satisfaction of the Engineer. Vacuum trucks, street sweepers or pick-up brooms shall be used to clean the milled surfaces. The Contractor shall conduct operations in such a manner that dust is controlled and is not objectionable.

When working adjacent to traffic, the Contractor shall immediately remove material that is spilled on the traveled way.

Removing the existing asphalt pavement surface to the required depth adjacent to structures in the pavement surface such as drain castings and utility covers shall be accomplished in a manner satisfactory to the Engineer using either machine or hand methods. Castings for existing utility or drainage structures within the pavement which are exposed to traffic after the pavement has been milled shall be protected according to Article 603.07 of the Standard Specifications.

The roadway shall be left in a safe and usable condition at the end of each work day. Property damage due to the asphalt surface removal activities is the responsibility of the Contractor, as indicated in Article 107.38 of the Tollway Supplemental Specifications.

Milled pavement shall be resurfaced within four calendar days."

Add the following to Article 1101.16 of the Standard Specifications:

"Operation of a milling machine with broken or missing teeth will not be allowed. Worn teeth shall be replaced if the milling machine does not produce a uniform surface. The milling machine shall be capable of picking up the removed asphalt in a single operation. A self loading conveyer shall be an integral part of the milling machine"

Method of Measurement. This work will be measured for payment in Square Yards.

Basis of Payment. This work will be paid for at the Contract unit price per Square Yard for HOT-MIX ASPHALT REMOVAL of the depth specified.

Pay Item Number	Designation	Unit of Measure
JI440015	HOT-MIX ASPHALT REMOVAL, VARIABLE DEPTH	SQ YD

ASPHALT SHOULDER AND PRESSURE RELIEF JOINT REPAIR (Illinois Tollway)

Effective: September 21, 2011
Revised: February 12, 2020

Description. This work shall consist of partial depth or full depth saw cutting and satisfactorily removing existing pavement and reinforcement, restoration of substrate, tack coating and priming exposed surfaces, and furnishing, placing, and compacting asphalt mixtures in sufficient lifts with adequate equipment to obtain the specified densities for the class and type of patch specified at the designated locations or as directed by the Engineer. ASPHALT PRESSURE RELIEF JOINTS fully replaced shall be classified as Class D1 or D3 patches of the type specified at designated locations. ASPHALT PRESSURE RELIEF JOINT REPAIRS shall be classified as Class D4 patches of the type and thickness specified at designated locations. Removal and replacement of pavement shall be in accordance with Section 442 of the Standard Specifications except as modified herein. When WMA mixtures are required by design, an HMA mixture may be utilized for special or low tonnage applications in lieu of WMA mixtures upon approval by the Engineer at no additional cost to the Illinois Tollway. When HMA mixtures are required by design, a WMA mix may be utilized for special or low tonnage application in lieu of HMA mixtures upon approval by the Engineer at no additional cost to the Illinois Tollway.

Revise Article 442.01 of the Standard Specifications to read.

442.01 Description. This work shall consist of the removal of the existing pavement, the necessary excavation and the replacement with the class and type of patch specified at designated locations.

This work will be classified as follows:

Class A Patches: Pavement Removal and Continuously Reinforced Portland Cement Concrete Replacement
Class B Patches: Pavement Removal and Portland Cement Concrete Replacement Using Dowels or Tie Bars
Class C Patches: Pavement Removal and Portland Cement Concrete Replacement
Class D1 Patches: Pavement Removal and Asphalt Mixture Replacement with Binder Course below Top 2 inches and Surface Course for the Top 2 inches
Class D2 Patches: Pavement Removal following Shoulder Surface Removal and Asphalt Mixture Replacement with Binder Course up to the elevation of the removed surface
Class D3 Patches: Pavement Removal and Asphalt Mixture Replacement with Binder Course
Class D4 Patches: Partial Depth Pavement Removal to the specified depth and Replacement with Binder Course below the Top 1.5 inches and Surface Course for the Top 1.5 inches

For each of the above classifications, the work on a lane width or less shall be further quantified by size as follows:

Type I	Less than 5 sq yd
Type II	5 sq yd or more, but less than 15 sq yd
Type III	15 sq yd or more, but less than 25 sq yd
Type IV	25 sq yd or more

Materials. WMA and HMA mix designs and production shall be in accordance with the Tollway Special Provisions for Asphalt Mixtures, Asphalt Pavement Construction and Reclaimed Asphalt Materials (RAM). All other materials for patching shall comply with Article 442.02 of the Standard Specifications.

Revise the second paragraph of Article 442.11 of the Standard Specifications to read.

Where the Illinois Tollway requires a specific class of patch be used, this work will be paid for at the contract unit price per square yard for CLASS A PATCHES, CLASS B PATCHES, CLASS C PATCHES, CLASS D1 PATCHES, CLASS D2 PATCHES, CLASS D3 PATCHES, ASPHALT PRESSURE RELIEF JOINT, CLASS D1 PATCHES, ASPHALT PRESSURE RELIEF JOINT, CLASS D3 PATCHES, and ASPHALT PRESSURE RELIEF JOINT, CLASS D4 PATCHES, of the class, mix type and thickness specified.

Pay Item Number	Designation	Unit of Measure
JI442727	CLASS D3 PATCHES, TYPE IV, 13 INCH	SQ YD

TEMPORARY WOOD POLE, TO REMAIN IN PLACE

DESCRIPTION

This item shall consist of furnishing and installing a temporary wood pole for temporary use as specified herein and all hardware and accessories required for the intended temporary use of the pole. The installed temporary wood pole will remain in place at the completion of the project.

MATERIALS

Materials shall be according to the following Articles of the Standard Specifications:

Item	Article
1. Wood Pole	1069.04

INSTALLATION

Installation shall be as described in Article 830.03(c) of the Standard Specifications. The Contractor shall provide all hardware to install the pole and mast arm as specified herein and indicated on the plans.

Wood poles may be used poles as approved by the Engineer as described in Article 830.04 of the Standard Specifications. The wood pole shall remain in place at the completion of the project.

METHOD OF MEASUREMENT

This work will be measured for payment in units of each.

BASIS OF PAYMENT

This item shall be paid at the contract unit price each for TEMPORARY WOOD POLE, TO REMAIN IN PLACE, of the class and length indicated.

Pay Item Number	Designation	Unit of Measure
JI830210	TEMPORARY WOOD POLE, 90 FEET, CLASS 2, TO REMAIN IN PLACE	EACH
JI830240	TEMPORARY WOOD POLE, 70 FEET, CLASS 3, TO REMAIN IN PLACE	EACH

CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE (Illinois Tollway)

Effective: February 13, 2007
Revised: September 19, 2013

DESCRIPTION

This Special Provision establishes a budgetary allowance for the temperature control of concrete.

This allowance may be used to reimburse the Contractor for protecting all Concrete Structures constructed under Section 503 from cold weather conditions in accordance with Article 1020.13(d). No adjustment will be made in the contract unit prices for any concrete placed during the winter period of December 1 through March 15 if winter work is necessary to meet the required completion dates specified in the contract.
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METHOD of MEASUREMENT

This work will not be measured for payment.

BASIS of PAYMENT

Should the Contractor qualify for such an adjustment, payment will be made under item numbers 999ADJ20, 999ADJ21, 999ADJ22, 999ADJ23, 999ADJ24, and 999ADJ25 for cold weather protection methods of various concrete structure types. An adjustment will then be made to CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE of a reciprocal amount.

Pay Item Number	Designation	Unit of Measure
JT151500	CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE	UNIT

TEMPORARY FLOOD LIGHTING UNIT

DESCRIPTION

This work shall consist of furnishing, installing, and maintaining a LED area/flood luminaire with adjustable tenon mount. Maintenance of these lights shall be according to Section 846 of the Illinois Tollway Supplemental Specifications. The luminaire shall remain in place and become property of the Illinois Tollway at the completion of this contract. At the end of the contract the lights shall be inspected in the presence of the Engineer to verify all are working properly before becoming property of the Illinois Tollway. Any repairs necessary shall be made by the contractor before the lights become Illinois Tollway property. The installed temporary flood lighting unit will remain in place at the completion of the project

MATERIALS

Materials shall be according to the applicable portions of Section 1067 of the Illinois Tollway Supplemental Specifications for LED luminaires, except as modified herein. The LED luminaire shall operate on 480V input voltage. The adjustable tenon mount assembly shall be adjustable for a minimum range of 0-45 degrees tilt from horizontal in 5 or 10 degree increments. The luminaire shall be one of the approved models listed below.

Manufacturer	Model Number	Lumens	Wattage
Cree	OSQ-HO-AA-SV + OSQ-A-NM-3ME-50L-40K-UH-SV	51,571	420
Eaton Streetworks	GAN-AF-07-LED-8-T3R-AP-ADJS-1200-3	47,223	448
Visionaire	BLX-6-T3-192L-7-4K-480-KM-UG	54,531	426

CONSTRUCTION REQUIREMENTS

Construction shall be according to Section 821 of the Standard Specifications. The luminaires shall be installed at a tilt angle of 10 degrees from horizontal.

METHOD OF MEASUREMENT

This work will be measured for payment as each, for each temporary flood lighting unit used.

BASIS OF PAYMENT

This work will be paid for at the contract unit price per each for TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE.

Pay Item Number	Designation	Unit of Measure
JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	EACH

ATTENUATORS SCHEDULE

STAGE	70600280	70600370
	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3
	(EACH)	(EACH)
PRE-STAGE A	0	0
PRE-STAGE B	1	0
STAGE 1	3	0
STAGE 1A	3	0
STAGE 2	6	0
STAGE 2A	1	1
STAGE 3	0	0
STAGE 4	3	0
TOTALS	17	1

TEMPORARY PAVEMENT SCHEDULE

STAGE	44000100	JI406107	JI440030	JI482128	JI485020	JI485030	JT211A08
	PAVEMENT REMOVAL	ASPHALT TACK COAT	PAVED SHOULDER REMOVAL, VARIABLE DEPTH	WARM-MIX ASPHALT SHOULDERS, SPECIAL (9 IN.)	TEMPORARY PAVEMENT, CLASS 2	TEMPORARY PAVEMENT, CLASS 3	SUBGRADE AGGREGATE 9 IN.
	(SQ YD)	(POUND)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(CU YD)
PRE-STAGE A		23,317	7782	30,876			
PRE-STAGE B	681	11,844			681		170
STAGE 1	1,308	821			553	755	139
STAGE 1A							
STAGE 2							
STAGE 2A							
STAGE 3							
STAGE 4							
TOTALS	1,989 •••	35,982 ••	7,782 •	30,876 •••	1,234	755	309

••• ITEM INCLUDED ON MORE THAN ONE SCHEDULE ADDITIONAL QUANTITY ON SCH-03

•• ITEM INCLUDED ON MORE THAN ONE SCHEDULE ADDITIONAL QUANTITY ON SCH-04 AND SCH-05

• INCLUDED IN QUANTITY ON SCH-03

••• ITEM INCLUDED ON MORE THAN ONE SCHEDULE SEE SCH-05

TEMPORARY RETENTION SYSTEM SCHEDULE

STAGE	52200020	Z0073400
	TEMPORARY SOIL RETENTION SYSTEM	TEMPORARY SUPPORT SYSTEM
	(SQ FT)	(EACH)
PRE-STAGE A		
PRE-STAGE B		
STAGE 1		5
STAGE 1A		
STAGE 2		
STAGE 2A	10,242	
STAGE 3		
STAGE 4		
TOTALS	10,242 •••	5

••• ITEM INCLUDED ON MORE THAN ONE SCHEDULE

TEMPORARY PAVEMENT MARKING SCHEDULE

STAGE	78005110	JI780300	JT783005
	EPOXY PAVEMENT MARKING - LINE 4"	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 4"	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY
	(FOOT)	(FOOT)	(SQ FT)
PRE-STAGE A			
PRE-STAGE B		25,135	8,986
STAGE 1		54,950	9,402
STAGE 1A	33,799	22,715	14,061
STAGE 2		45,151	18,844
STAGE 2A	21,804		4,033
STAGE 3		18,466	5,557
STAGE 4	7,210		16,381
POST			2,425
TOTALS	62,813 •••	166,418 •••	79,691 •••

••• ITEM INCLUDED ON MORE THAN ONE SCHEDULE

CROSSOVER SCHEDULE

STAGE	ROADWAY	70600280	JI704000	JI782022	JI780300	JT783005
		IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	TEMPORARY CONCRETE BARRIER	BARRIER WALL REFLECTORS, TYPE C	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 4"	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY
		(EACH)	(FOOT)	(EACH)	(FOOT)	(SQ FT)
PRE-STAGE B	EX NB I-294	1	1,463	118	6,698	2,711
PRE-STAGE B	EX SB I-294	1	1,750	142	6,698	2,711
POST	EX NB I-294				5,295	2,233
POST	EX SB I-294				5,295	2,233
TOTALS		2	3,213	260	23,986	9,888

DRAWN BY MALSHARBINI DATE 04/30/2020
CHECKED BY JMAJEWSKI DATE 04/30/2020

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312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

MAINTENANCE OF TRAFFIC SCHEDULE OF QUANTITIES

SHT NO. MOT-06

DRAWING NO. 73 OF 1740

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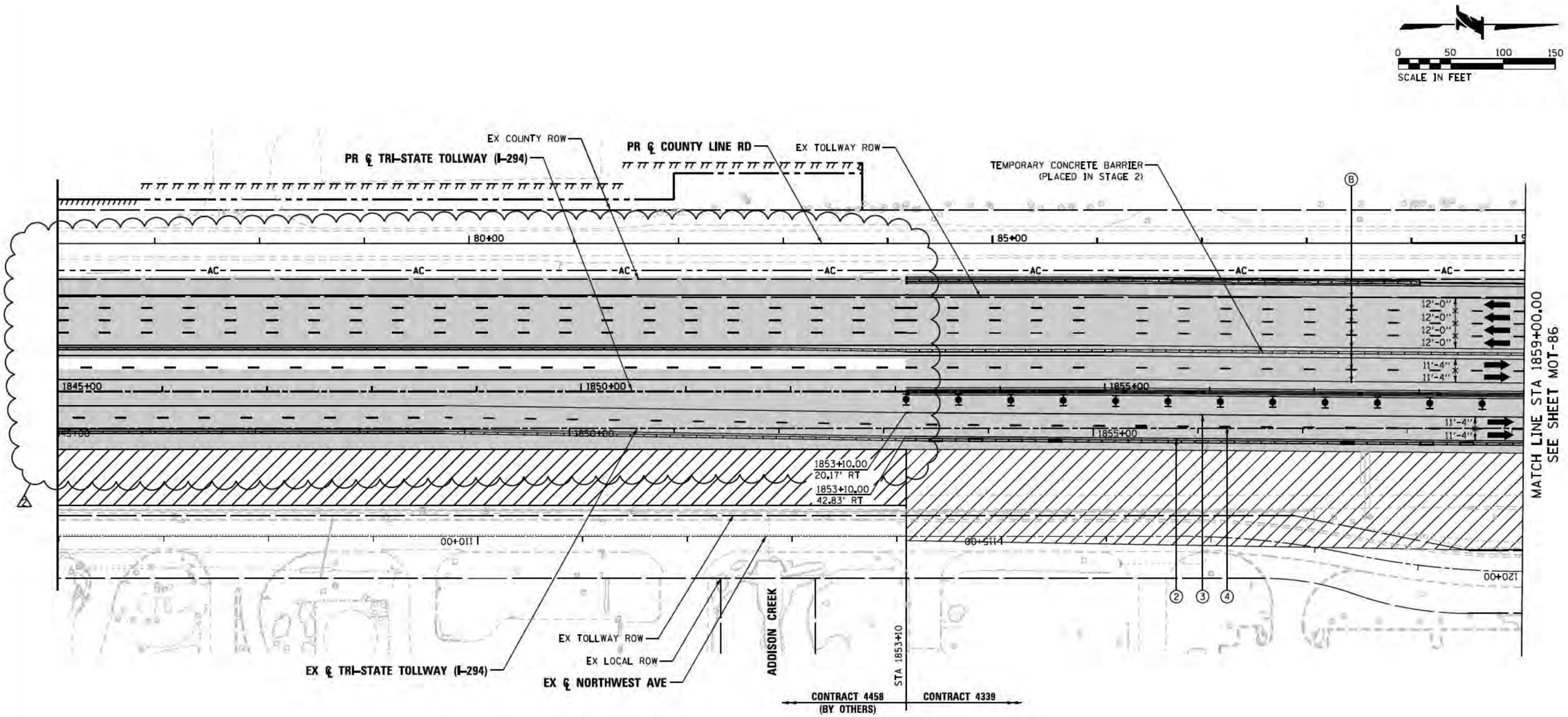
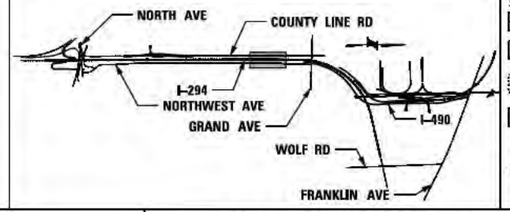


NOTES:

1. STATIONS AND OFFSETS ARE TO PR ℄ TRI-STATE TOLLWAY (I-294)
2. STATIONS AND OFFSETS ARE TO CENTER OF TEMPORARY CONCRETE BARRIER
3. AT THE BEGINNING OF STGE 3, A TEMPORARY REVERSE CURVE MAY BE NEEDED ON NORTHBOUND TO TEMPORARILY SHIFT CONTRACT I-19-4458 OUTSIDE NORTHBOUND LANES TO CONTRACT I-17-4339 INSIDE NORTHBOUND LANES. TOLLWAY STANDARD E-4 SHOULD BE USED FOR MAINTANENCE OF TRAFFIC REVERSE CURVE.



MOT LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT, CLASS 2 (J1485020) TEMPORARY PAVEMENT, CLASS 3 (J1485030)
- TEMPORARY PAVEMENT INSTALLED IN PREVIOUS STAGE
- PREVIOUSLY COMPLETED CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (J1704000)
- CONSTRUCTION SIGN PER TOLLWAY STANDARDS
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- IMPACT ATTENUATORS (SEE PLAN CALLOUT)
- FLASHING ARROW BOARD
- STABILIZED CONSTRUCTION ZONE ENTRANCE

(A) EXISTING PAVEMENT MARKING
(B) PAVEMENT MARKING PLACED IN PREVIOUS STAGE
(1) NOT USED
(2) EPOXY PAVEMENT MARKING LINE 4" (SOLID, WHITE) (78005110)
(3) EPOXY PAVEMENT MARKING LINE 4" (SOLID, YELLOW) (78005110)
(4) EPOXY PAVEMENT MARKING LINE 4" (25' SKIP-25' DASH, WHITE) (78005110)
(5) EPOXY PAVEMENT MARKING LINE 8" (SOLID, WHITE) (78005140)

DRAWN BY TBLANK DATE 04/30/2020
CHECKED BY JMAJEWSKI DATE 04/30/2020

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DOWNERS GROVE,
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2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

MAINTENANCE OF TRAFFIC - STAGE 3
I-294 STA 1845+00 TO STA 1859+00

SHT NO. MOT-85
DRAWING NO. 152 OF 1740

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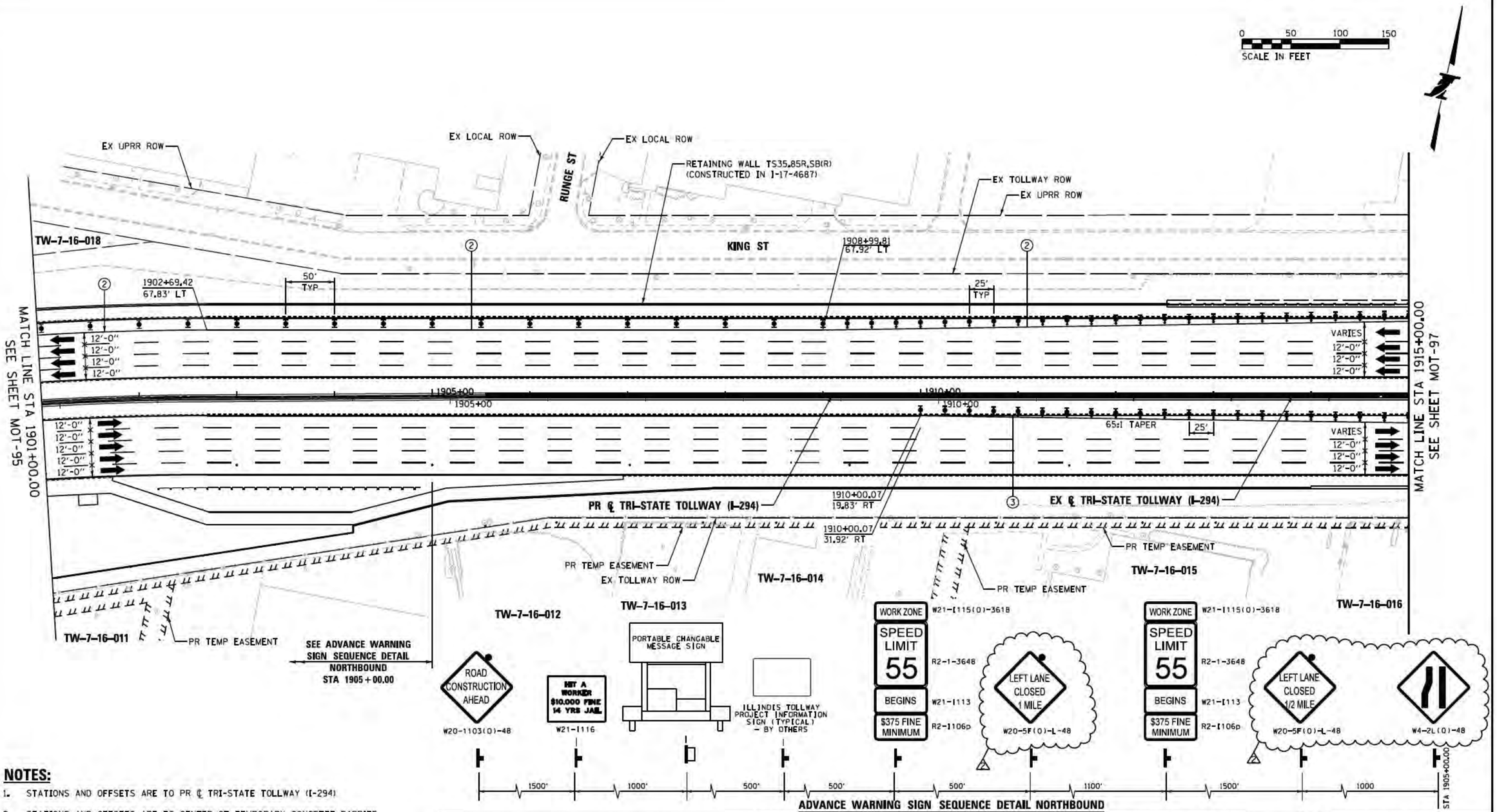
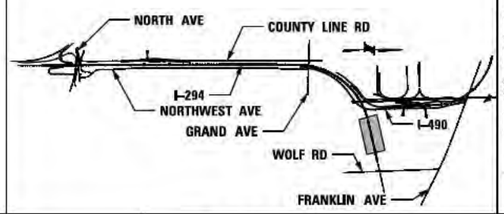


ADVANCE WARNING SIGN SEQUENCE DETAIL NORTHBOUND

NOTES:

1. STATIONS AND OFFSETS ARE TO PR ℄ TRI-STATE TOLLWAY (I-294)
2. STATIONS AND OFFSETS ARE TO CENTER OF TEMPORARY CONCRETE BARRIER
3. SHOULDER WIDTHS ARE TO TOE OF BARRIER
4. REFER TO SIGNING PLANS (SP-01 TO SP-31) FOR PROPOSED SIGNING.
5. REFER TO PAVEMENT MARKING PLANS (PM-01 - PM-08) FOR PROPOSED PAVEMENT MARKING.
6. THE CONTRACTOR'S ACCESS SHOWN IS A SUGGESTED LAYOUT AND LOCATION. THE CONTRACTOR ACCESS TO WORK AREA LOCATIONS ARE TO BE PROPOSED BY THE CONTRACTORAND SUBMITTED TO THE ENGINEER FOR ACCEPTANCE PRIOR TO PLACEMENT.



MOT LEGEND

- CONSTRUCTION WORK ZONE
- TEMPORARY PAVEMENT, CLASS 2 (J1485020) TEMPORARY PAVEMENT, CLASS 3 (J1485030)
- TEMPORARY PAVEMENT INSTALLED IN PREVIOUS STAGE
- PREVIOUSLY COMPLETED CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER (J1704000)
- CONSTRUCTION SIGN PER TOLLWAY STANDARDS
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- TYPE III BARRICADE WITH STEADY BURNING LIGHT
- VERTICAL PANEL WITH STEADY BURNING LIGHT
- IMPACT ATTENUATORS (SEE PLAN CALLOUT)
- FLASHING ARROW BOARD
- STABILIZED CONSTRUCTION ZONE ENTRANCE
- (A) EXISTING PAVEMENT MARKING
- (B) PAVEMENT MARKING PLACED IN PREVIOUS STAGE
- (1) NOT USED
- (2) EPOXY PAVEMENT MARKING LINE 4" (SOLID, WHITE) (78005110)
- (3) EPOXY PAVEMENT MARKING LINE 4" (SOLID, YELLOW) (78005110)
- (4) EPOXY PAVEMENT MARKING LINE 4" (25' SKIP-25' DASH, WHITE) (78005110)
- (5) EPOXY PAVEMENT MARKING LINE 8" (SOLID, WHITE) (78005140)

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CHECKED BY JMAJEWSKI	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

SHT NO. MOT-96

MAINTENANCE OF TRAFFIC – STAGE 4
I-294 STA 1901+00 TO STA 1915+00

DRAWING NO. 163 OF 1740

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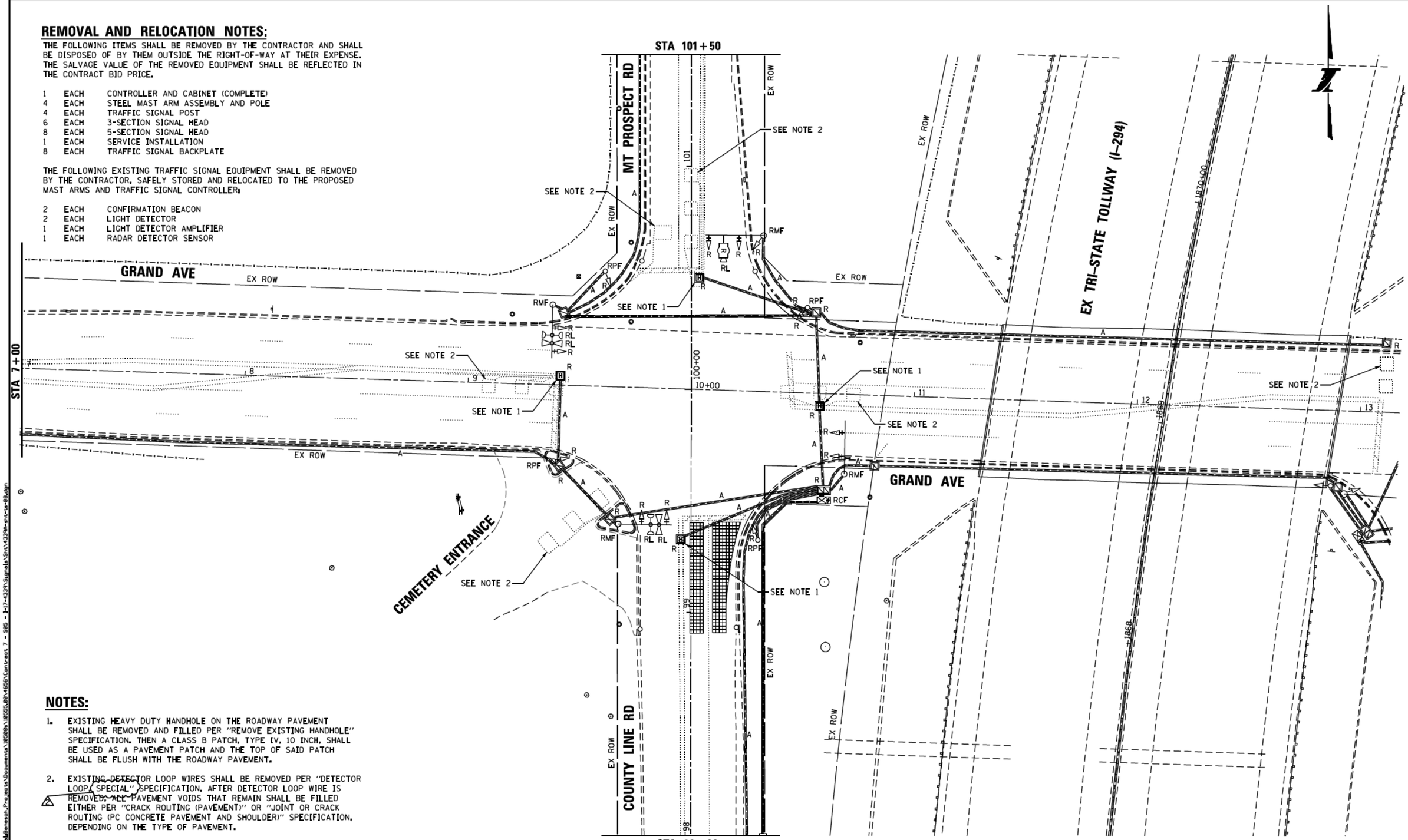
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
6	EACH	3-SECTION SIGNAL HEAD
8	EACH	5-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
8	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	RADAR DETECTOR SENSOR



NOTES:

1. EXISTING HEAVY DUTY HANDHOLE ON THE ROADWAY PAVEMENT SHALL BE REMOVED AND FILLED PER "REMOVE EXISTING HANDHOLE" SPECIFICATION. THEN A CLASS B PATCH, TYPE IV, 10 INCH, SHALL BE USED AS A PAVEMENT PATCH AND THE TOP OF SAID PATCH SHALL BE FLUSH WITH THE ROADWAY PAVEMENT.

2. EXISTING DETECTOR LOOP WIRES SHALL BE REMOVED PER "DETECTOR LOOP, SPECIAL" SPECIFICATION. AFTER DETECTOR LOOP WIRE IS REMOVED, ALL PAVEMENT VOIDS THAT REMAIN SHALL BE FILLED EITHER PER "CRACK ROUTING (PAVEMENT)" OR "JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)" SPECIFICATION, DEPENDING ON THE TYPE OF PAVEMENT.

TS 5210

DRAWN BY BCHAVEZ	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY GTHIESSE	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN (SHEET 1 OF 2)
GRAND AVE AT MT PROSPECT RD /COUNTY LINE RD

SHT NO. TS-09

DRAWING NO. 453 OF 1740

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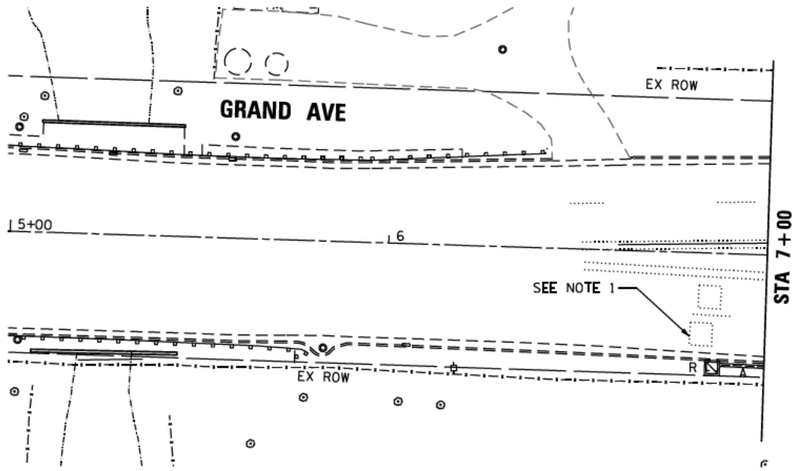
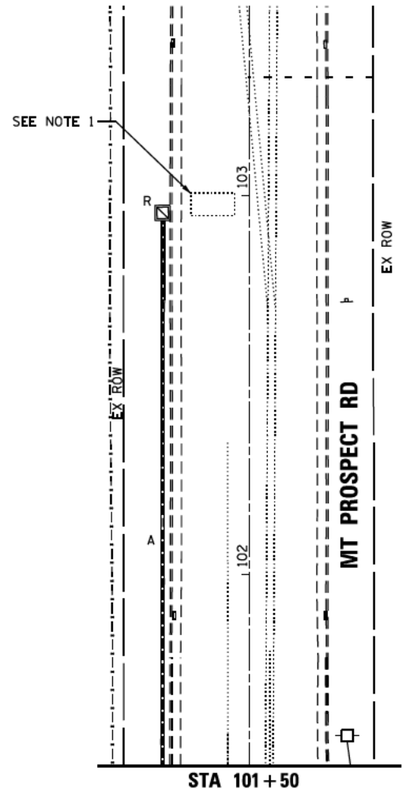
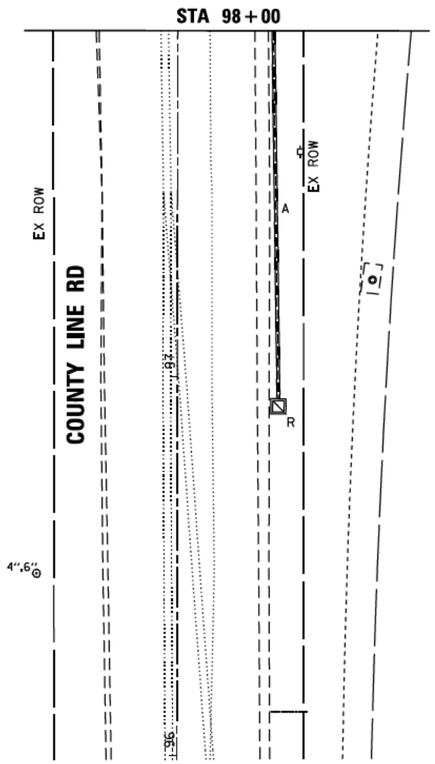
NOTES:

1. EXISTING DETECTOR LOOP WIRES SHALL BE REMOVED PER "DETECTOR LOOP, SPECIAL" SPECIFICATION. AFTER DETECTOR LOOP WIRE IS REMOVED, ALL PAVEMENT VOIDS THAT REMAIN SHALL BE FILLED EITHER PER "CRACK ROUTING (PAVEMENT)" OR "JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)" SPECIFICATION, DEPENDING ON THE TYPE OF PAVEMENT.







TS 5210

DRAWN BY BCHAVEZ	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY GTHIESSE	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN (SHEET 2 OF 2)
GRAND AVE AT MT PROSPECT RD /COUNTY LINE RD

SHT NO. TS-10

DRAWING NO. 454 OF 1740

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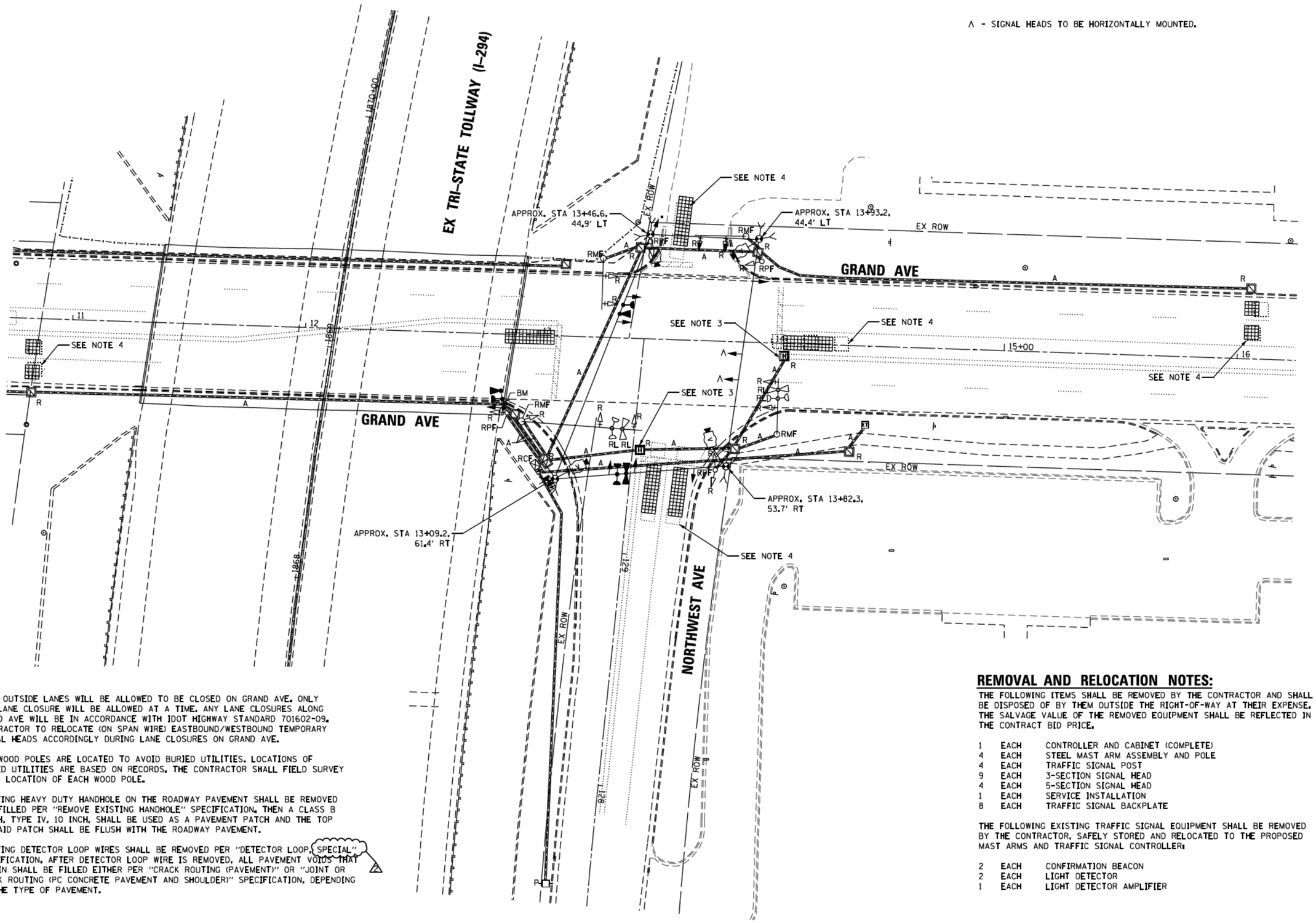
Λ - SIGNAL HEADS TO BE HORIZONTALLY MOUNTED.



NOTES:

1. ONLY OUTSIDE LANES WILL BE ALLOWED TO BE CLOSED ON GRAND AVE. ONLY ONE LANE CLOSURE WILL BE ALLOWED AT A TIME. ANY LANE CLOSURES ALONG GRAND AVE WILL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701602-09. CONTRACTOR TO RELOCATE (ON SPAN WIRE) EASTBOUND/WESTBOUND TEMPORARY SIGNAL HEADS ACCORDINGLY DURING LANE CLOSURES ON GRAND AVE.

2. THE WOOD POLES ARE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY FINAL LOCATION OF EACH WOOD POLE.

3. EXISTING HEAVY DUTY HANDHOLE ON THE ROADWAY PAVEMENT SHALL BE REMOVED AND FILLED PER "REMOVE EXISTING HANDHOLE" SPECIFICATION. THEN A CLASS B PATCH, TYPE IV, 10 INCH, SHALL BE USED AS A PAVEMENT PATCH AND THE TOP OF SAID PATCH SHALL BE FLUSH WITH THE ROADWAY PAVEMENT.

4. EXISTING DETECTOR LOOP WIRES SHALL BE REMOVED PER "DETECTOR LOOP, SPECIAL" SPECIFICATION. AFTER DETECTOR LOOP WIRE IS REMOVED, ALL PAVEMENT VOIDS THAT REMAIN SHALL BE FILLED EITHER PER "CRACK ROUTING (PAVEMENT)" OR "JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)" SPECIFICATION, DEPENDING ON THE TYPE OF PAVEMENT.

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
9	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
8	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

TS 5211

DRAWN BY BCHAVEZ DATE 04/30/2020
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN GRAND AVE AT NORTHWEST AVE

SHT NO. TS-14

DRAWING NO. 458 OF 1740

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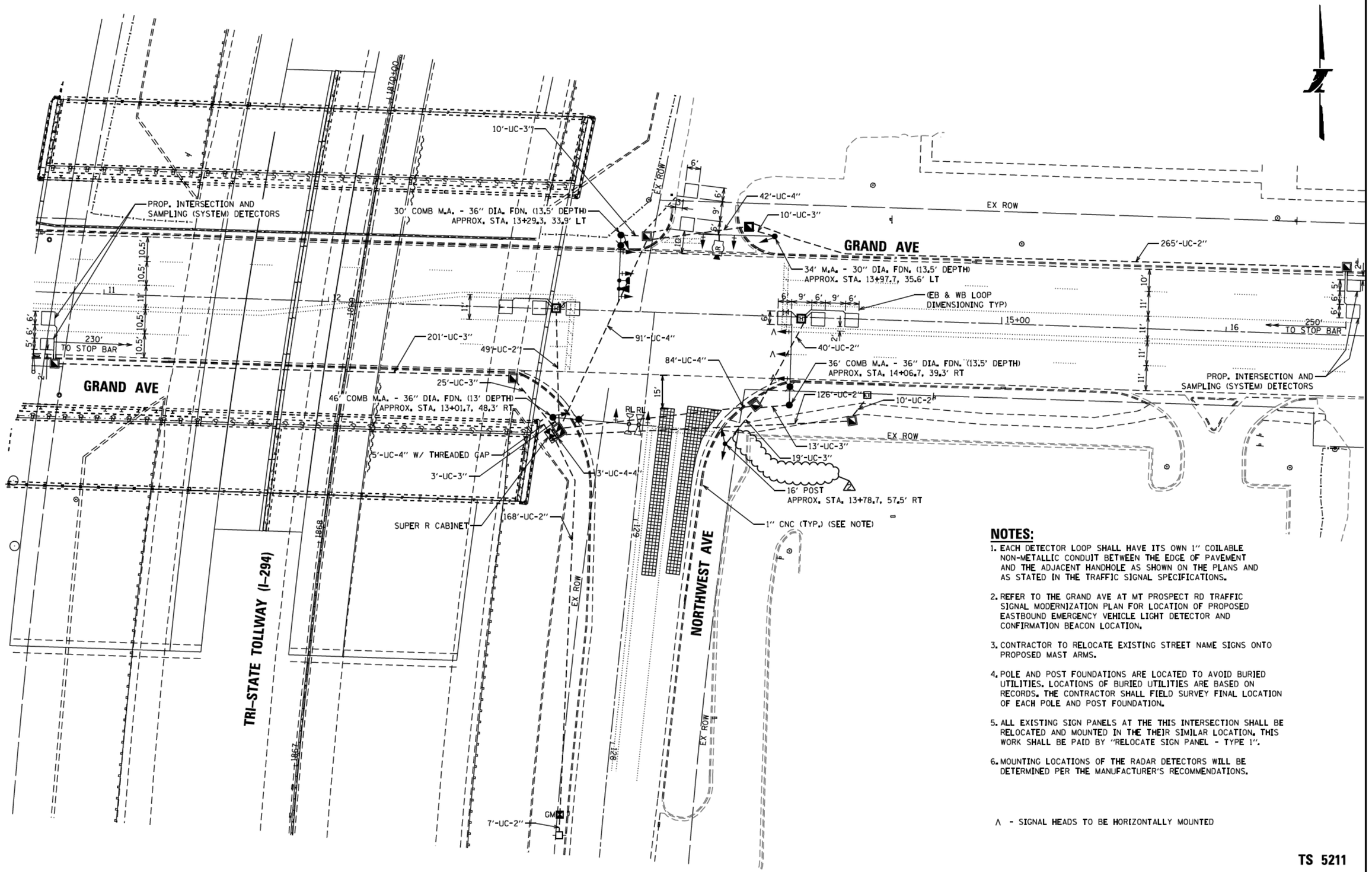

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. REFER TO THE GRAND AVE AT MT PROSPECT RD TRAFFIC SIGNAL MODERNIZATION PLAN FOR LOCATION OF PROPOSED EASTBOUND EMERGENCY VEHICLE LIGHT DETECTOR AND CONFIRMATION BEACON LOCATION.
3. CONTRACTOR TO RELOCATE EXISTING STREET NAME SIGNS ONTO PROPOSED MAST ARMS.
4. POLE AND POST FOUNDATIONS ARE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY FINAL LOCATION OF EACH POLE AND POST FOUNDATION.
5. ALL EXISTING SIGN PANELS AT THE THIS INTERSECTION SHALL BE RELOCATED AND MOUNTED IN THE THEIR SIMILAR LOCATION. THIS WORK SHALL BE PAID BY "RELOCATE SIGN PANEL - TYPE 1".
6. MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

Λ - SIGNAL HEADS TO BE HORIZONTALLY MOUNTED

TS 5211

DRAWN BY BCHAVEZ DATE 04/30/2020
CHECKED BY GTHIESSE DATE 04/30/2020

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Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
TRAFFIC SIGNAL MODERNIZATION
GRAND AVE AT NORTHWEST AVE

SHT NO. TS-20
DRAWING NO.
464 OF 1740

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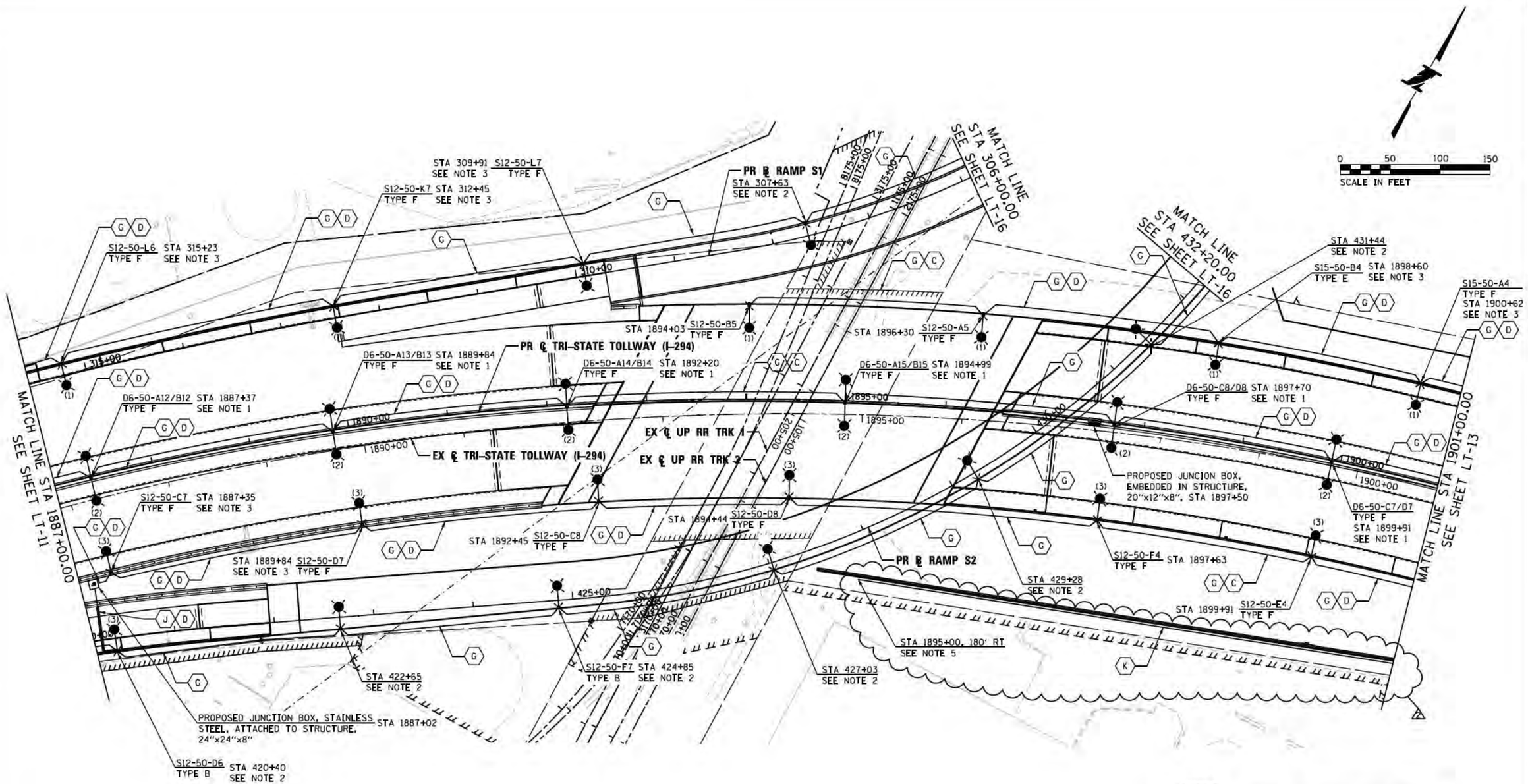

CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL

NOTES:

1. FOR MEDIAN BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
2. FOR BARRIER LIGHT POLE FOUNDATION, SEE BRIDGE STRUCTURAL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS "CONCRETE SUPERSTRUCTURE."
3. FOR BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
4. FOR UNDERDECK LIGHTING, SEE SHEET LT-17.
5. CAP AND SEAL FOR FUTURE CONNECTION.

DRAWN BY GTHIESSE DATE 04/30/2020
CHECKED BY GREILLY DATE 04/30/2020

benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

ROADWAY LIGHTING PLAN I-294
STA 1887+00 TO STA 1901+00

SHT NO. LT-12

DRAWING NO. 482 OF 1740

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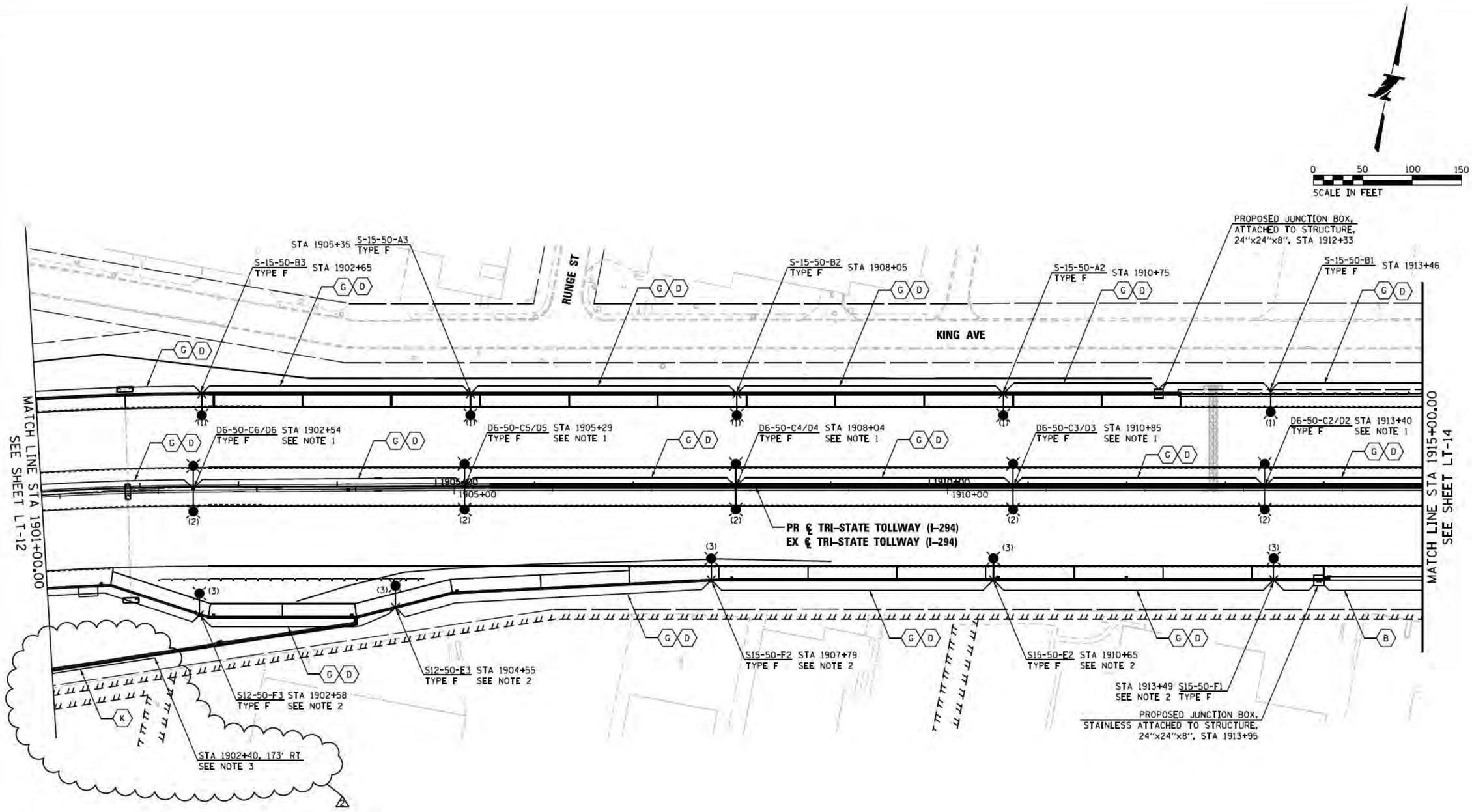

CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL

NOTES:

1. FOR MEDIAN BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
2. FOR BARRIER LIGHT POLE FOUNDATION, SEE RETAINING WALL PLANS. THE COST OF THE FOUNDATION SHALL BE INCLUDED AS PART OF THE ASSOCIATED WALL.
3. CAP AND SEAL FOR FUTURE CONNECTION BY OTHERS.

DRAWN BY GTHIESSE DATE 04/30/2020
CHECKED BY GREILLY DATE 04/30/2020

benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

ROADWAY LIGHTING PLAN I-294
STA 1901+00 TO STA 1915+00

SHT NO. LT-13

DRAWING NO. 483 OF 1740

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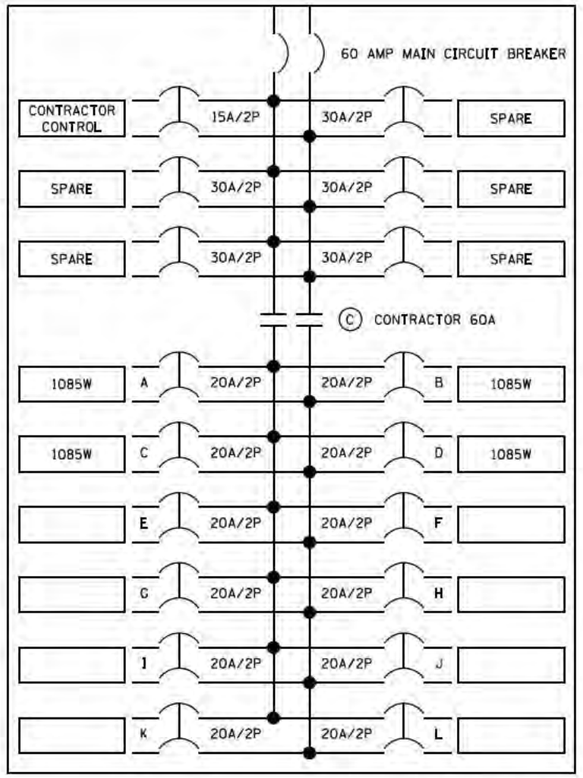
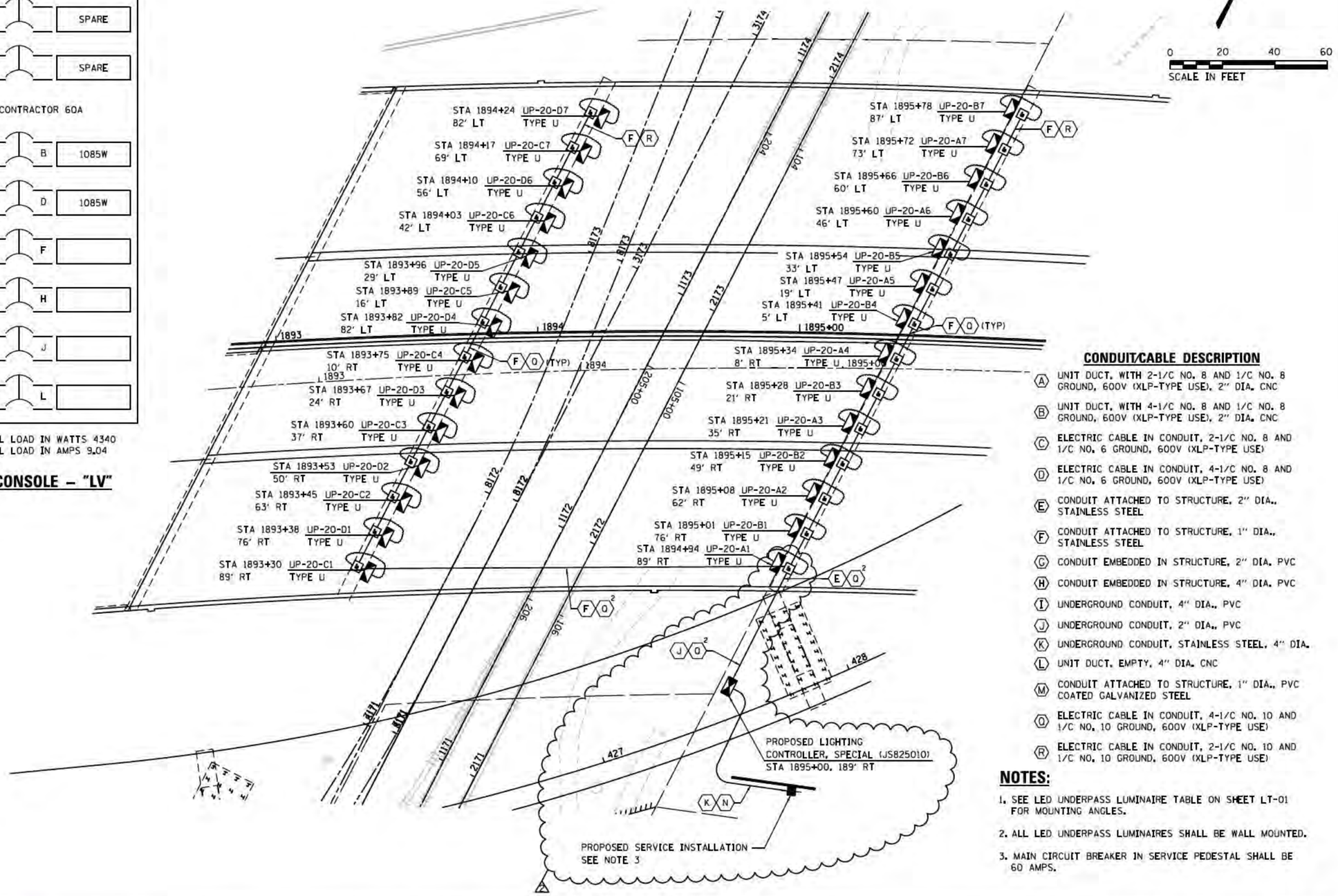


TOTAL LOAD IN WATTS 4340
TOTAL LOAD IN AMPS 9.04

PROPOSED LIGHTING CONTROL CONSOLE – "LV"



CONDUIT/CABLE DESCRIPTION

- (A) UNIT DUCT, WITH 2-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (C) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (D) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 8 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE)
- (E) CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL
- (F) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL
- (G) CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
- (H) CONDUIT EMBEDDED IN STRUCTURE, 4" DIA. PVC
- (I) UNDERGROUND CONDUIT, 4" DIA., PVC
- (J) UNDERGROUND CONDUIT, 2" DIA., PVC
- (K) UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.
- (L) UNIT DUCT, EMPTY, 4" DIA. CNC
- (M) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL
- (O) ELECTRIC CABLE IN CONDUIT, 4-1/C NO. 10 AND 1/C NO. 10 GROUND, 600V (XLP-TYPE USE)
- (R) ELECTRIC CABLE IN CONDUIT, 2-1/C NO. 10 AND 1/C NO. 10 GROUND, 600V (XLP-TYPE USE)

NOTES:

1. SEE LED UNDERPASS LUMINAIRE TABLE ON SHEET LT-01 FOR MOUNTING ANGLES.
2. ALL LED UNDERPASS LUMINAIRES SHALL BE WALL MOUNTED.
3. MAIN CIRCUIT BREAKER IN SERVICE PEDESTAL SHALL BE 60 AMPS.

DRAWN BY GTHIESSE	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY GREILLY	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339 | SHT NO. LT-18

UNDERPASS LIGHTING PLAN
I-294 OVER UNION PACIFIC RAILROAD

DRAWING NO. 488 OF 1740

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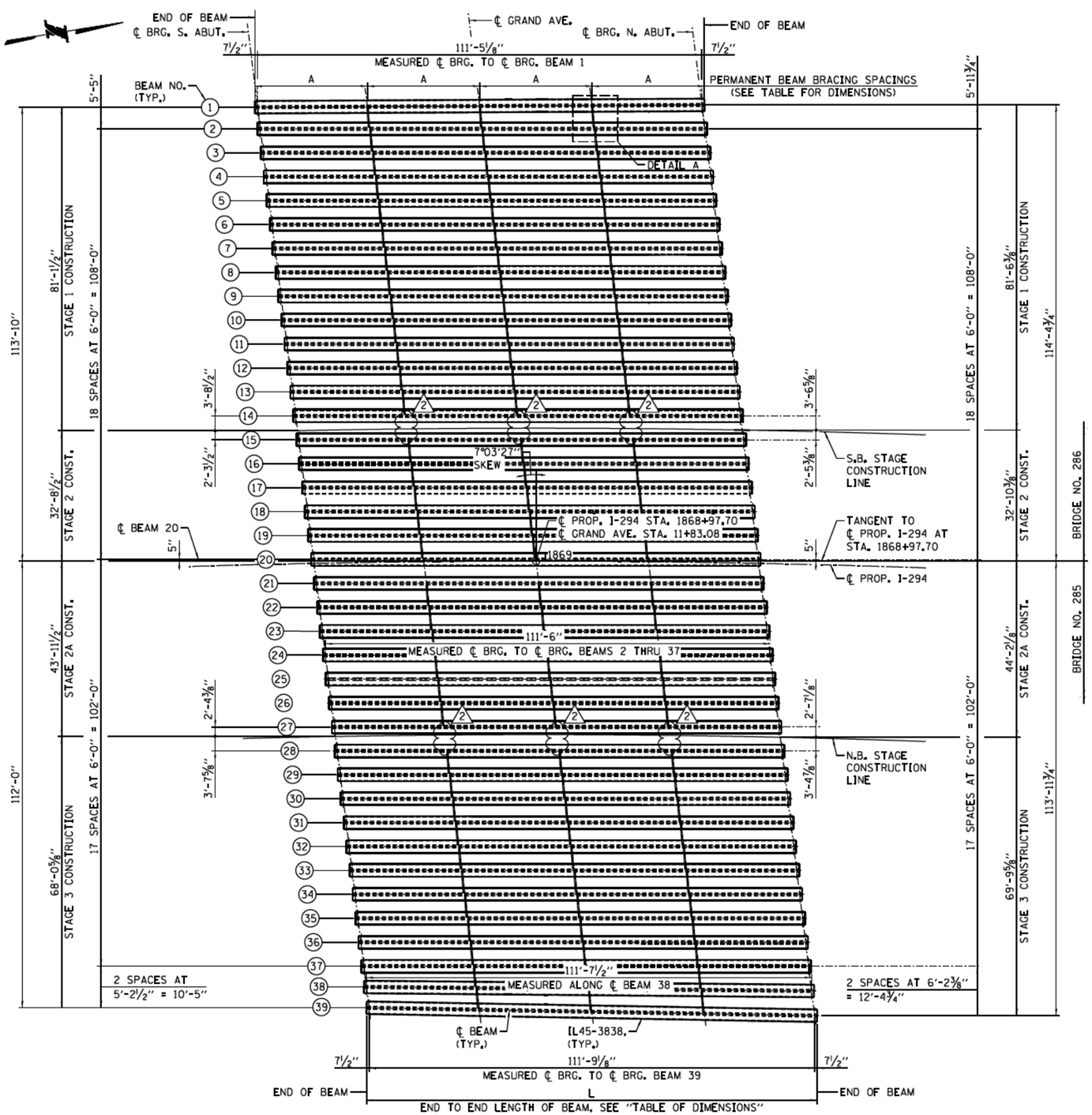


FRAMING PLAN

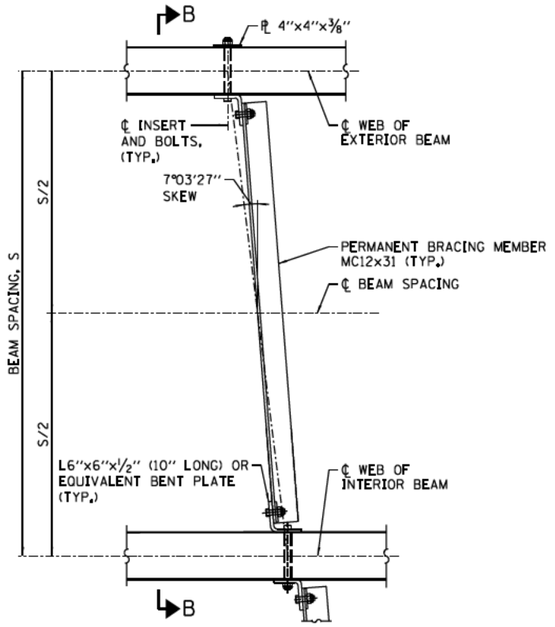
NOTES

1. DIMENSIONS TAKEN ALONG AND PERPENDICULAR TO THE LOCAL TANGENT TO ℄ I-294 AT STA. 1868+97.70.

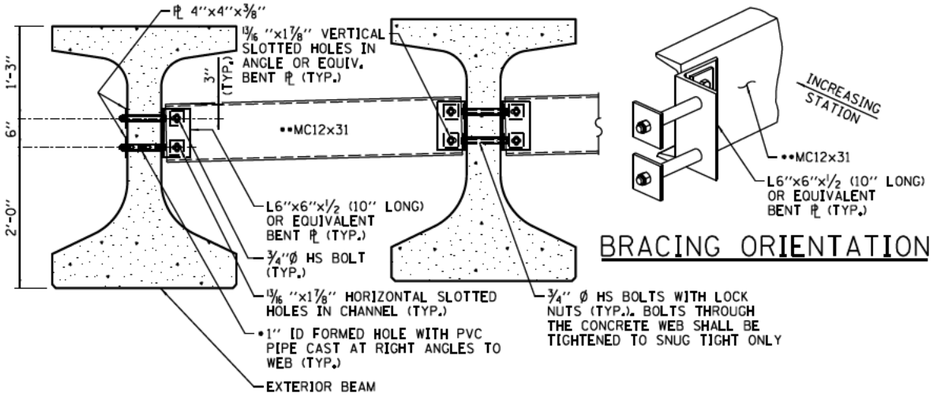
TABLE OF DIMENSIONS

BEAM NO.	L	A
1	112'-8¼"	28'-2"±
2 THRU 37	112'-9"	28'-2¼"
38	112'-10½"	28'-2⅝"
39	113'-0⅛"	28'-3"±

DIMENSIONS MEASURED ALONG ℄ BEAM



DETAIL A



BRACING ORIENTATION

SECTION B-B
PERMANENT BEAM BRACING DETAILS

•FABRICATOR SHALL LOCATE TO MISS STRANDS WITHIN PERMISSIBLE TOLERANCES.
•• ALTERNATE MC12x35 CHANNELS ARE PERMITTED TO FACILITATE MATERIAL ACQUISITION.

NOTES

1. ALL MATERIAL FOR BRACING SHALL BE HOT DIP GALVANIZED ACCORDING TO AASHTO M111 UNLESS OTHERWISE NOTED.
2. TWO HARDENED WASHERS ARE REQUIRED FOR EACH SET OF OVERSIZED HOLES.
3. ALL HOLES SHALL BE 1⅛" Ø UNLESS OTHERWISE NOTED.
4. ⅝"x3"x3" PLATE WASHERS ARE REQUIRED OVER ALL SLOTTED HOLES.
5. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO AASHTO M232.
6. BRACING SHALL BE INSTALLED AS BEAMS ARE ERECTED AND TIGHTENED AS SOON AS POSSIBLE DURING ERECTION.

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DRAWN BY AMV DATE 05/19/2020
CHECKED BY PAH/JPM DATE 05/19/2020

RME Rubinos & Mesia Engineers, Inc.
200 S. Michigan Avenue, Suite 1500, Chicago, IL 60604-2482

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

I-294 OVER GRAND AVE. (B.N. 285 & 286)
FRAMING PLAN AND DETAILS

SHT NO. SC-41

DRAWING NO. 619 OF 1740

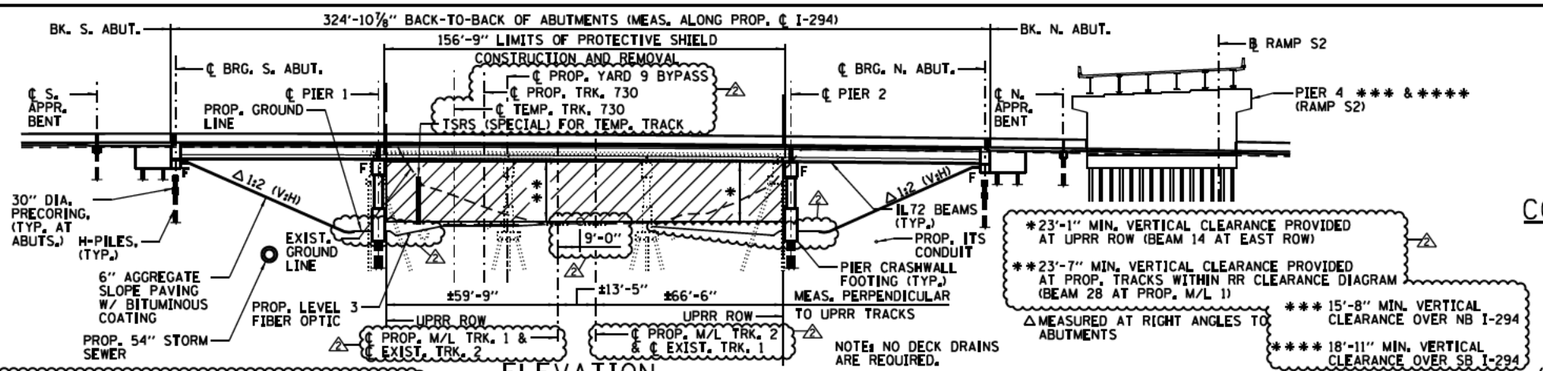
BENCH MARK: CHSLD "X" ON S.E. FLANGE BOLT OF LAST FH ON WEST SIDE OF NORTH END OF GARNET DR. DEAD END. NEXT TO I-294 NB.

EXIST. STRUCTURE: BRIDGE NOS. 287 (NB) AND 288 (SB) CARRY I-294 OVER UPRR. THE BRIDGES WERE BUILT IN 1957, WIDENED ON THE MEDIAN SIDE IN 1983, AND WIDENED TO THE OUTSIDE IN 1992. EACH THREE-SPAN STRUCTURE HAS A TOTAL LENGTH OF 158'-0" MEASURED ℄-TO-℄ OF BEARINGS ALONG EXIST. ℄ I-294. FROM SOUTH TO NORTH, THE SPANS MEASURE 51'-6", 55'-0", AND 51'-6". EACH BRIDGE HAS AN OUT-TO-OUT DECK WIDTH OF 77'-7" AND THE SUBSTRUCTURE ELEMENTS ARE SKEWED 28°06'00" LEFT AHEAD RELATIVE TO THE LOCAL TANGENT. THE SUPERSTRUCTURES UTILIZE 28" TO 36" DEEP PPC BEAMS AND 7½" CONCRETE DECK SLABS. THE CONCRETE SUBSTRUCTURES CONSIST OF OPEN ABUTMENTS AND MULTI-COLUMN PIERS WITH CRASH WALLS ON PILE-SUPPORTED FOOTINGS. RETAINING WALLS ARE LOCATED AT ALL EXTERIOR CORNERS OF THE BRIDGES.

PROP. STRUCTURE: BRIDGE NOS. 287 (NB) AND 288 (SB) CARRY I-294 OVER UPRR. EACH THREE-SPAN STRUCTURE HAS A TOTAL LENGTH OF 324'-10⅞" MEASURED BACK-TO-BACK OF ABUTMENTS ALONG PROP. ℄ I-294, FROM SOUTH TO NORTH, THE SPANS MEASURE 80'-3", 163'-6", AND 76'-9", OUT-TO-OUT DECK WIDTHS ARE 97'-1" (287) AND 97'-1" (288), AND THE SUBSTRUCTURE ELEMENTS ARE SKEWED 27°01'43" LEFT AHEAD RELATIVE TO THE LOCAL TANGENT. THE SUPERSTRUCTURES UTILIZE 72" DEEP PPC BEAMS AND 8" CONCRETE DECK SLABS. THE CONCRETE SUBSTRUCTURES CONSIST OF PILE-SUPPORTED INTEGRAL ABUTMENTS AND PILE-SUPPORTED MULTI-COLUMN PIERS.

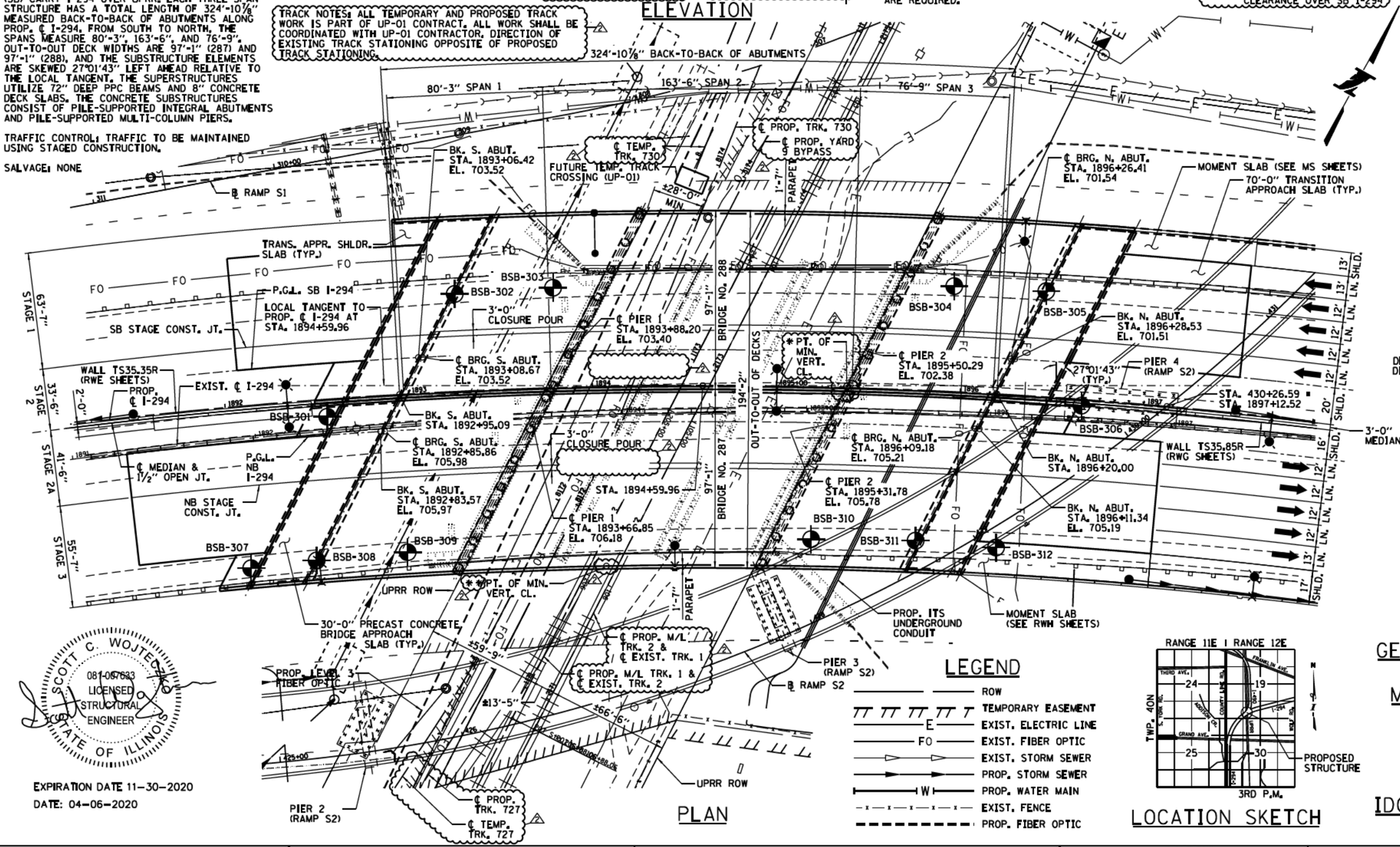
TRAFFIC CONTROL: TRAFFIC TO BE MAINTAINED USING STAGED CONSTRUCTION.

SALVAGE: NONE



TRACK NOTES: ALL TEMPORARY AND PROPOSED TRACK WORK IS PART OF UP-01 CONTRACT. ALL WORK SHALL BE COORDINATED WITH UP-01 CONTRACTOR. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING.

ELEVATION



PLAN

LEGEND

- ROW
- TEMPORARY EASEMENT
- E — EXIST. ELECTRIC LINE
- FO — EXIST. FIBER OPTIC
- EXIST. STORM SEWER
- PROP. STORM SEWER
- W — PROP. WATER MAIN
- EXIST. FENCE
- PROP. FIBER OPTIC

LOCATION SKETCH

DESIGN SPECIFICATIONS

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION WITH 2015 & 2016 INTERIM REVISIONS
ISTHA STRUCTURE DESIGN MANUAL, MARCH 2018
IDOT BRIDGE MANUAL, JANUARY 2012
ISTHA GEOTECHNICAL MANUAL, MARCH 2018
IDOT ALL BRIDGE DESIGNERS MEMORANDUMS
AREMA MANUAL FOR RAILWAY ENGINEERING, 2017 EDITION
UPRR-BNSF RAILWAY GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS, MAY 2016

CONSTRUCTION SPECIFICATIONS

ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016
ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ISSUED APRIL 5, 2019
ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2020
ILLINOIS DEPARTMENT OF TRANSPORTATION GUIDE BRIDGE SPECIAL PROVISIONS (GBSP)

LOADING HL-93 & IL-120

ALLOW 50 #/SQ. FT. FOR FUTURE WEARING SURFACE

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 PSI CLASS SI (SUBSTRUCTURE)
f'c = 4,000 PSI CLASS BS (PARAPETS AND BARRIERS)
f'c = 4,000 PSI PERFORMANCE MIX (BRIDGE DECKS AND DIAPHRAGMS, TRANSITION APPROACH, AND TRANSITION APPROACH SHOULDER SLABS)
f'c = 5,000 PSI PERFORMANCE MIX (PRECAST BRIDGE APPROACH SLAB)
fy = 60,000 PSI (REINFORCEMENT)

PRECAST PRESTRESSED UNITS

f'c = 8,500 PSI
f'ci = 7,000 PSI
fpu = 270,000 PSI (0.6" Ø LOW. LAX. STRANDS)
fpbt = 202,500 PSI (0.6" Ø LOW. LAX. STRANDS)

LIVE LOAD DEFLECTION

LIVE LOAD DEFLECTION < SPAN LENGTH/800

SEISMIC CRITERIA

SEISMIC PERFORMANCE ZONE (SPZ) = 1
DESIGN SPECTRAL ACCELERATION AT 1.0 SEC. (SD1) = 0.086g
DESIGN SPECTRAL ACCELERATION AT 0.2 SEC. (SDS) = 0.149g
SOIL SITE CLASS = D

HIGHWAY CLASSIFICATION

F.A.I. ROUTE 294 (I-294)
FUNCTIONAL CLASS: INTERSTATE
ADT: 186,700 (2015); 269,400 (2040)
DHV: 7,504 (2015); 10,940 (2040)
ADTT: 18,900 (2015); 27,300 (2040)
DESIGN SPEED: 70 MPH
POSTED SPEED: 55 MPH

RAILROAD INFORMATION

RAILROAD OWNER: UNION PACIFIC RAILROAD
NO. TRAINS: 6 (6 AM TO 6 PM); 6 (6 PM TO 6 AM)
TRAIN TYPE: FREIGHT
MILEPOST: 3.07
SUBDIVISION: MILWAUKEE
MUNICIPALITY: FRANKLIN PARK/NORTHLAKE, IL
COORDINATES: 41°56'12" N, 87°54'52" W

GENERAL PLAN AND ELEVATION

I-294 OVER UPRR
M.P. 35.80 (UPRR M.P. 3.07)
F.A.I. ROUTE 294
COOK COUNTY
STATION 1894+59.96
ISTHA BN 287 & 288
IDOT SN 016-9387 & 016-9386
FRA SN 174094P

SCOTT C. WOJTECZKO
081-057633
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

EXPIRATION DATE 11-30-2020
DATE: 04-06-2020

DRAWN BY AYOUSIF	DATE 04/30/2020	benesch — Alfred Benesch & Company, 35 West Wacker Drive, Suite 3300, Chicago, Illinois 60601, 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY, 2700 OGDEN AVENUE, DOWNERS GROVE, ILLINOIS 60515
CHECKED BY SWOJTECZKO	DATE 04/30/2020		

REVISIONS			CONTRACT NO. I-17-4339	SHT NO. SD-1
NO.	DATE	DESCRIPTION	I-294 OVER UPRR (BN 287 & 288) GENERAL PLAN AND ELEVATION	DRAWING NO. 669 OF 1740
2	5/19/20	ADDENDUM NO. 2		

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4339A-sht-287&288-gpe.dgn
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SD-99	SOIL BORING LOGS (7 OF 15)
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SD-101	SOIL BORING LOGS (9 OF 15)
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SD-103	SOIL BORING LOGS (11 OF 15)
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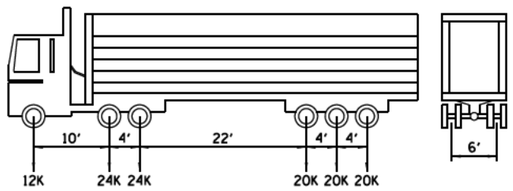
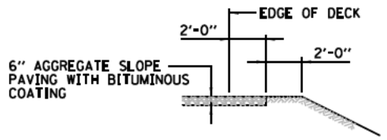
SD-105	SOIL BORING LOGS (13 OF 15)
SD-106	SOIL BORING LOGS (14 OF 15)
SD-107	SOIL BORING LOGS (15 OF 15)



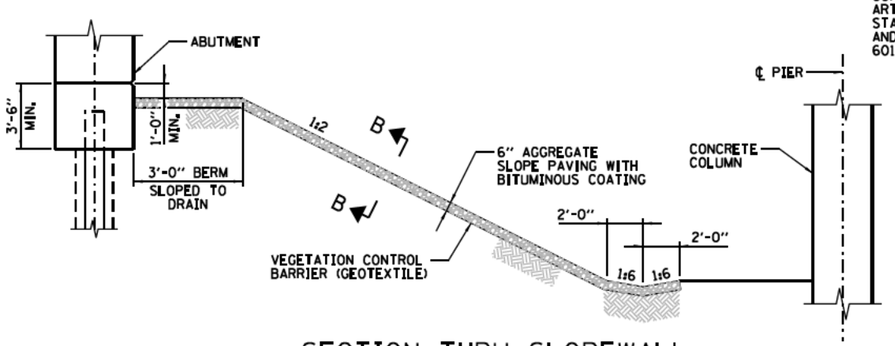
IL-120 DESIGN TRUCK

TOTAL BILL OF MATERIAL

PAY ITEM NO.	ITEM	UNIT	BRIDGE NO. 287 (NB) SUPER	SUB	TOTAL	RECORD QUANTITY	BRIDGE NO. 288 (SB) SUPER	SUB	TOTAL	RECORD QUANTITY
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	-	-	0.5		-	-	0.5	
50157300	PROTECTIVE SHIELD	SQ YD	3,530	-	3,530		3,530	-	3,530	
50200100	STRUCTURE EXCAVATION	CU YD	-	1,147	1,147	2	-	959	959	2
50300225	CONCRETE STRUCTURES	CU YD	-	1,228.3	1,228.3		-	1,369.8	1,369.8	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	118.2	-	118.2		118.1	-	118.1	
50300300	PROTECTIVE COAT	SQ YD	3,925	-	3,925		3,814	-	3,814	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	371,910	133,330	505,240	2	374,390	143,960	518,350	2
50800515	BAR SPLICERS	EACH	2,258	132	2,390		2,238	122	2,360	
50800530	MECHANICAL SPLICERS	EACH	44	84	128		44	84	128	
51201600	FURNISHING STEEL PILES HP12X53	FOOT	-	1,784	1,784		-	798	798	
51201900	FURNISHING STEEL PILES HP14X89	FOOT	-	2,093	2,093		-	4,615	4,615	
51202100	FURNISHING STEEL PILES HP14X117	FOOT	-	4,452	4,452		-	4,900	4,900	
51202305	DRIVING PILES	FOOT	-	8,329	8,329	2	-	10,313	10,313	2
51203600	TEST PILE STEEL HP12X53	EACH	-	2	2		-	2	2	
51203900	TEST PILE STEEL HP14X89	EACH	-	2	2		-	2	2	
51204100	TEST PILE STEEL HP14X117	EACH	-	2	2		-	2	2	
51204650	PILE SHOES	EACH	-	86	86	2	-	86	86	2
52100540	ANCHOR BOLTS, 1 1/2"	EACH	8	-	8		8	-	8	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	-	5,268	5,268	2	-	8,930	8,930	2
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	-	726	726		-	739	739	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	-	311	311		-	332	332	
JI420041	TRANSITION APPROACH SLAB	SQ YD	1,166	-	1,166		1,149	-	1,149	
JI420046	TRANSITION APPROACH SHOULDER SLAB	SQ YD	101	-	101		115	-	115	
JI503010	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE	CU YD	1,269.0	-	1,269.0		1,264.0	-	1,264.0	
JI504120	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL72	FOOT	4,486.0	-	4,486.0		4,453.5	-	4,453.5	
JS503160	DIAMOND GRINDING AND SURFACE SMOOTHNESS FOR BRIDGE SECTIONS	SQ YD	614	-	614		614	-	614	
JT301010	GRANULAR SUBBASE, SPECIAL	CU YD	65	-	65		65	-	65	
JT504100	PRECAST CONCRETE BRIDGE APPROACH SLABS	SQ FT	5,824	-	5,824		5,824	-	5,824	
JT525125	BONDED PREFORMED JOINT SEAL, 2 IN.	FOOT	122	-	122		122	-	122	
JT525130	BONDED PREFORMED JOINT SEAL, 3 IN.	FOOT	219	-	219		218	-	218	
X0327645	TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	-	2,173	2,173		-	733	733	
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3,295	-	3,295		3,295	-	3,295	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	-	298	298		-	303	303	
Z0065704	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	-	1,437	1,437	2	-	1,424	1,424	2



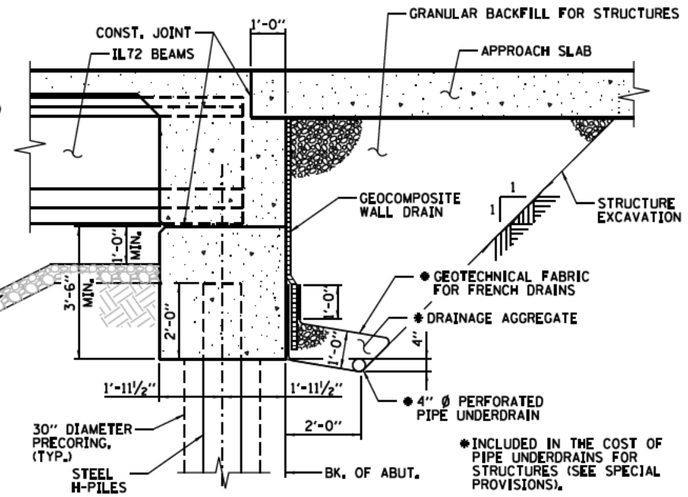
SECTION B-B



SECTION THRU SLOPEWALL

(HORIZ. DIM. AT RT. ANGLES)

NOTE:
ALL DRAINAGE SYSTEM COMPONENTS SHALL EXTEND TO 2'-0" FROM THE END OF EACH WINGWALL EXCEPT AN OUTLET PIPE SHALL EXTEND UNTIL INTERSECTING WITH THE SIDE SLOPES. THE PIPES SHALL DRAIN INTO CONCRETE HEADWALLS (SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 601101).



SECTION THRU INTEGRAL ABUTMENT

(HORIZ. DIM. AT RT. ANGLES)

DRAWN BY AYOUSIF DATE 04/30/2020

CHECKED BY SWOJTECZKO DATE 04/30/2020

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2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

I-294 OVER UPRR (BN 287 & 288)
INDEX OF SHEETS AND
TOTAL BILL OF MATERIAL

SHT NO. SD-2

DRAWING NO. 670 OF 1740

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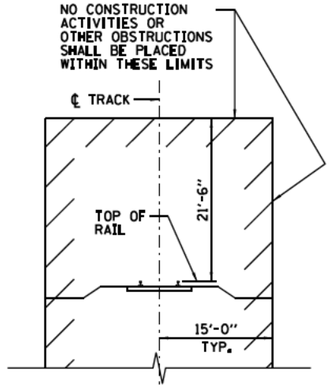
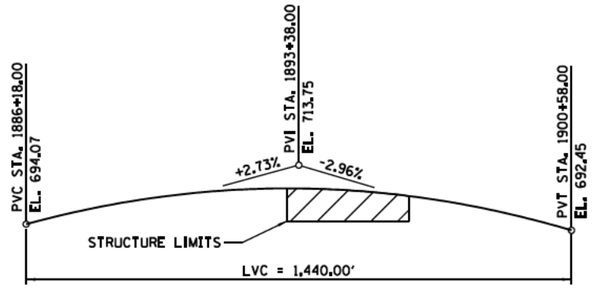
4339A-sht-287&288-strucnote-001.dgn
32329

RAILROAD NOTES

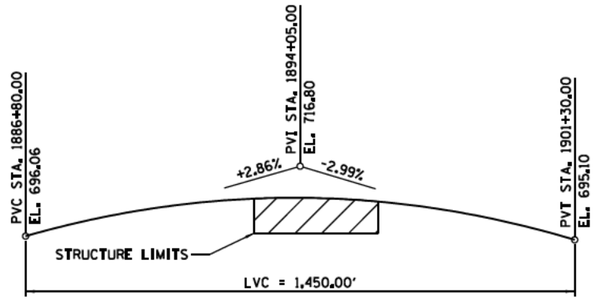
1. SCOPE OF WORK WITHIN TEMPORARY EASEMENT ON UPRR ROW INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION AND REMOVAL OF TEMPORARY SOIL RETENTION SYSTEMS, EXISTING SUBSTRUCTURE REMOVAL, EXCAVATION AND REMOVAL OF FILL IN EXISTING END SPANS, AND CRANE/EQUIPMENT USE. ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE MINIMUM CONSTRUCTION CLEARANCE ENVELOPE DETAIL.
2. THE PROPOSED GRADE SEPARATION PROJECT SHALL NOT INCREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD'S DITCHES AND/OR DRAINAGE STRUCTURES.
3. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD PRIOR TO BEGINNING ANY GRADING ON THE PROJECT SITE.
5. ALL SHORING SYSTEMS THAT IMPACT THE RAILROAD OPERATIONS AND/OR SUPPORT RAILROAD EMBANKMENT SHALL BE DESIGNED AND CONSTRUCTED PER CURRENT RR GUIDELINES FOR TEMPORARY SHORING. CONTRACTOR SHALL TAKE INTO CONSIDERATION ESTIMATED RAILROAD REVIEW TIME'S FOR SHORING SYSTEM SUBMITTALS PER THE LATEST VERSION OF RR GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS.
6. ALL DEMOLITION WITHIN THE RAILROAD'S RIGHT-OF-WAY AND/OR DEMOLITION THAT MAY IMPACT THE RAILROAD TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE RAILROAD'S DEMOLITION GUIDELINES.
7. ERECTION OVER THE RAILROAD'S RIGHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S OPERATIONS, ENABLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REQUIREMENTS.
8. RAILROAD REQUIREMENTS DO NOT ALLOW WORK WITHIN 50 FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITE AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.
9. FALSEWORK CLEARANCES SHALL COMPLY WITH MINIMUM CONSTRUCTION CLEARANCES.
10. ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSEOUT.
11. UPRR "CALL BEFORE YOU DIG" PHONE NUMBER: 1-800-336-9193.
12. TRACK AND GROUND MONITORING SHALL BE REQUIRED FOR ANY EXCAVATIONS WITHIN ZONES A AND B AS DEFINED WITHIN THE RAILROAD'S GUIDELINES FOR TEMPORARY SHORING.
13. FUTURE TEMPORARY TRACK CROSSING BETWEEN I-294 MAINLINE BRIDGE AND RAMP S1 WILL BE INSTALLED UNDER SEPARATE UP-01 CONTRACT. CONTRACTOR SHALL COORDINATE USE OF TEMPORARY TRACK CROSSING WITH UP-01 CONTRACTOR AND UPRR. EXACT LOCATION, SCHEDULE AND USAGE LIMITATIONS SHALL BE COORDINATED PRIOR TO CONSTRUCTION.
14. ALL FALSEWORK, SHORING AND OTHER MATERIALS OR ITEMS USED DURING CONSTRUCTION SHALL BE FULLY REMOVED FROM THE RAILROAD'S RIGHT-OF-WAY PRIOR TO COMPLETION OF THE PROJECT.
15. FOR ADDITIONAL RAILROAD COORDINATION PLEASE REFER TO THE REQUIREMENTS IN THE SPECIAL PROVISIONS.



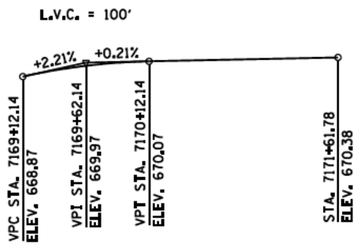
MIN. CONSTRUCTION CLEARANCE ENVELOPE
(NORMAL TO RAILROAD)



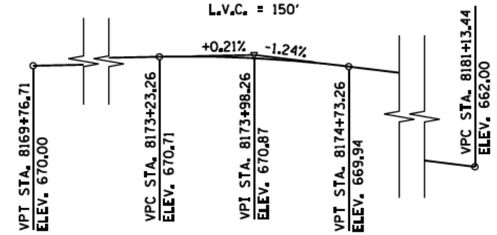
PROFILE GRADE
(SB I-294)



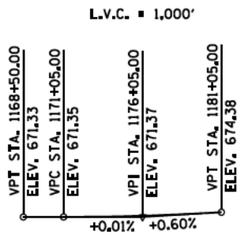
PROFILE GRADE
(NB I-294)



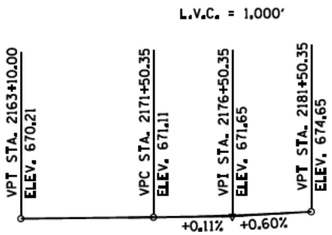
TOP OF RAIL
(PROP. TRACK 727)



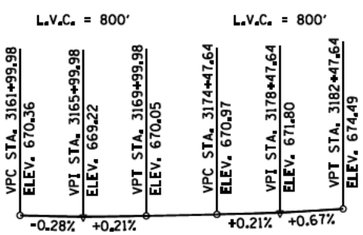
TOP OF RAIL
(PROP. TRACK 730)



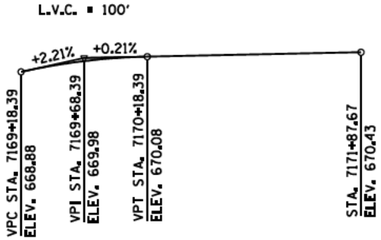
TOP OF RAIL
(PROP. M/L TRACK 1)



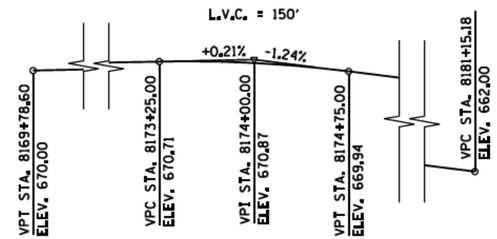
TOP OF RAIL
(PROP. M/L TRACK 2)



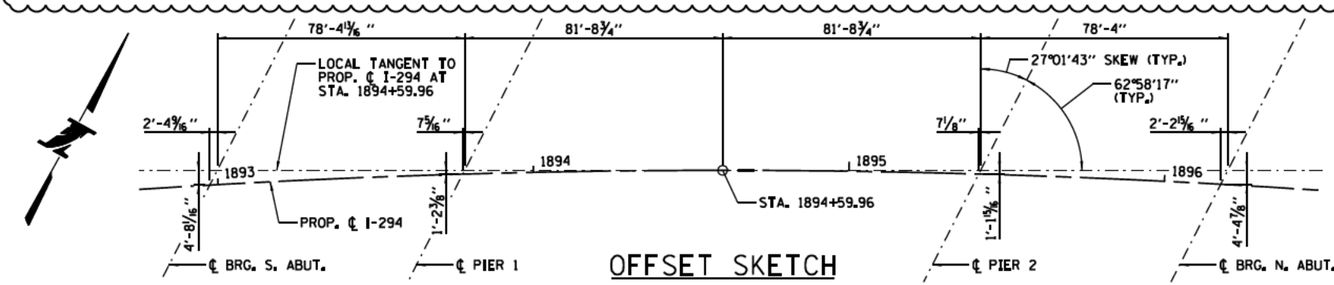
TOP OF RAIL
(PROP. YARD 9 BYPASS)



TOP OF RAIL
(TEMP. TRACK 727)



TOP OF RAIL
(TEMP. TRACK 730)



OFFSET SKETCH

CURVE DATA
(PROP. ℄ I-294)

PI STA. = 1887+19.37
Δ = 76° 46' 05" (RT)
D = 2° 01' 29"
R = 2,830.00'
T = 2,241.74'
L = 3,791.79'
E = 780.31'
P.C. STA. = 1864+77.63
P.T. STA. = 1902+69.42
S.E. = 5.60%

ABBREVIATIONS AND SYMBOLS

℄	CENTERLINE	CL.	CLEAR	P.J.S.	PREFORMED JOINT SEALER
PL	PLATE	ELEV.	ELEVATION	BK/	BACK OF
Ø	DIAMETER	MAX.	MAXIMUM	B/	BOTTOM OF
±	APPROXIMATELY	MIN.	MINIMUM	T/	TOP OF
W.	WEST	CTS.	CENTERS	PROP.	PROPOSED
E.	EAST	EA.	EACH	EXIST.	EXISTING
S.	SOUTH	SPA.	SPACES	ABUT.	ABUTMENT
N.	NORTH	P.G.L.	PROFILE GRADE LINE	TEMP.	TEMPORARY
SB	SOUTHBOUND	E.F.	EACH FACE	TYP.	TYPICAL
NB	NORTHBOUND	F.F.	FRONT FACE	BRG.	BEARING
RT.	RIGHT	B.F.	BACK FACE	APPR.	APPROACH
LT.	LEFT	I.F.	INSIDE FACE	STD.	STANDARD
VERT.	VERTICAL	O.F.	OUTSIDE FACE	STA.	STATION
HORIZ.	HORIZONTAL	P.J.F.	PREFORMED JOINT FILLER	CONST.	CONSTRUCTION
TSRS	TEMPORARY SOIL RETENTION SYSTEM				

DRAWN BY AYOUSIF DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
GENERAL NOTES (2 OF 2)

SHT NO. SD-4
DRAWING NO. 672 OF 1740

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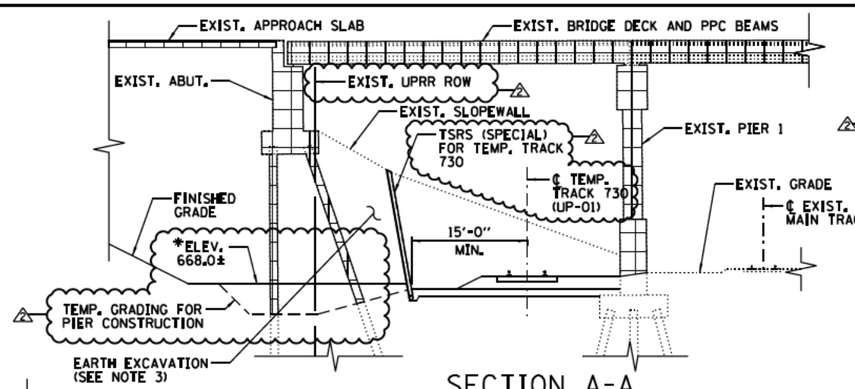
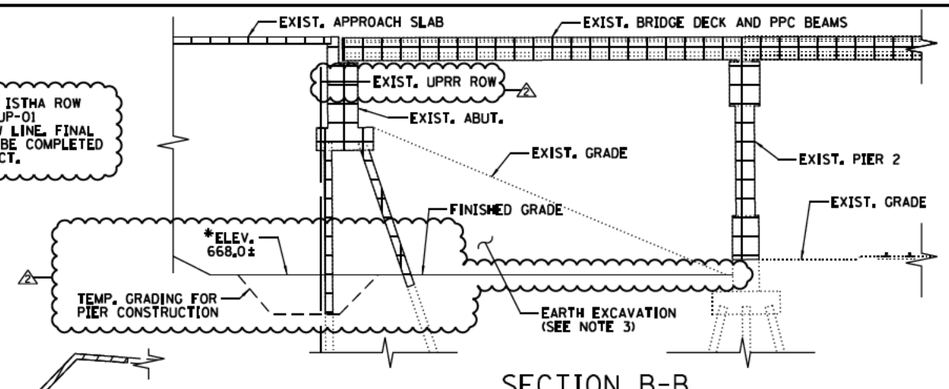
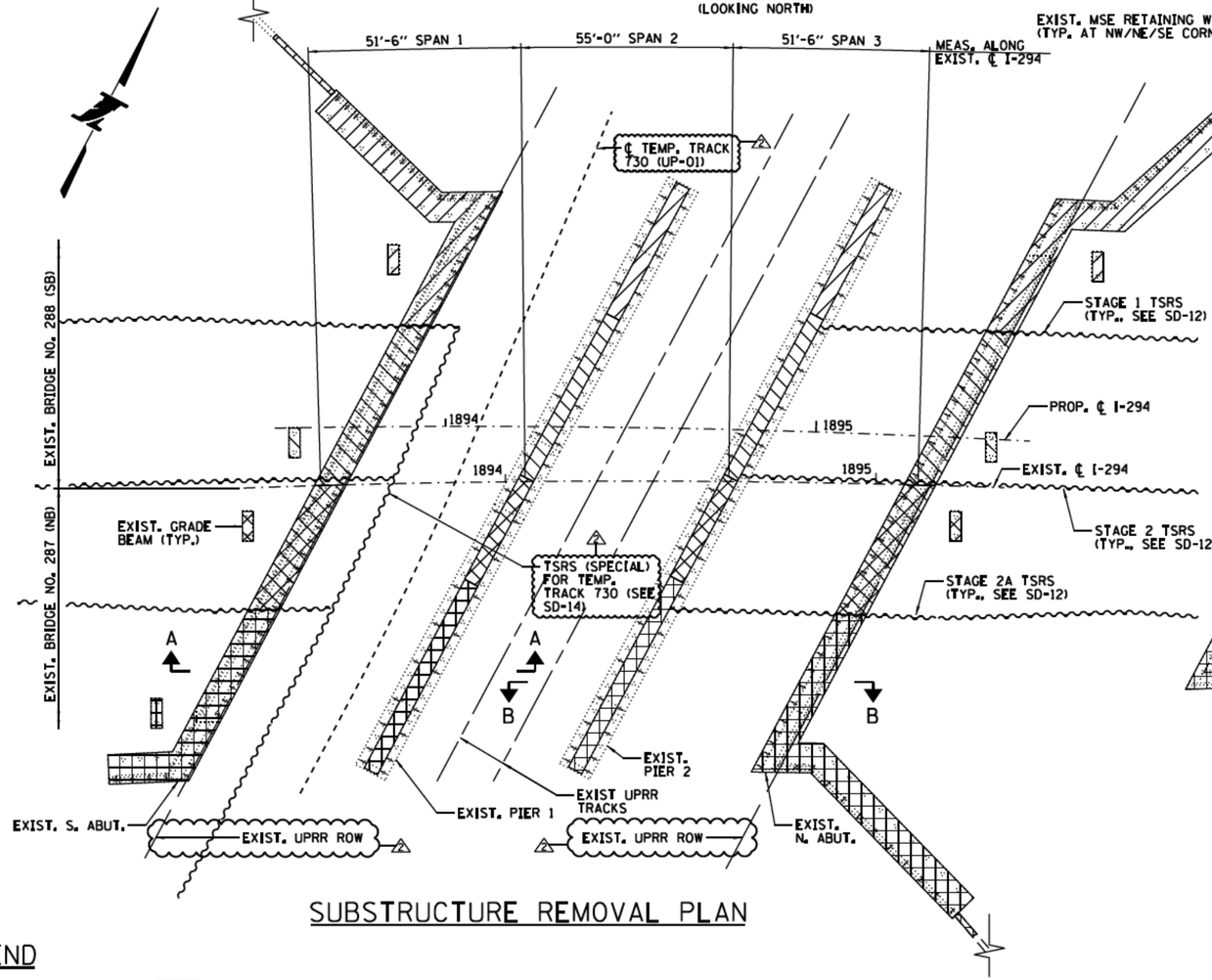


SECTION A-A
(LOOKING NORTH)

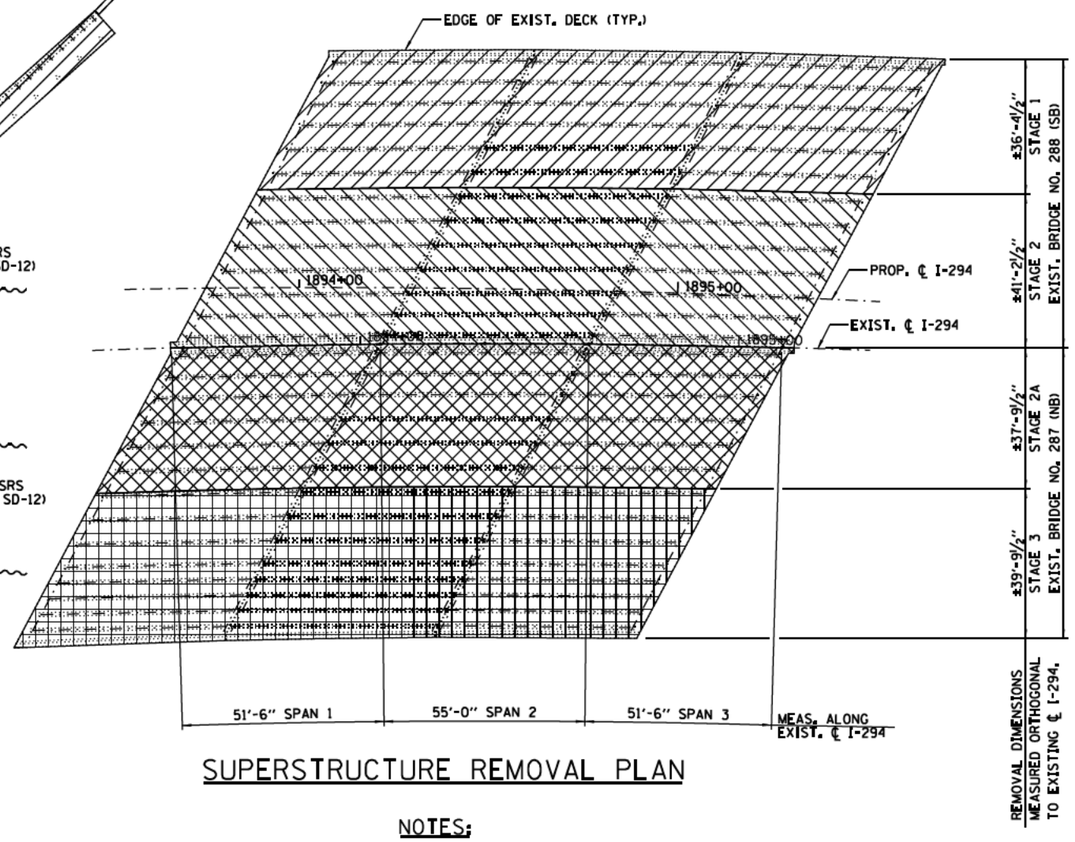
*PROPOSED FINAL GRADE ON ISTHA ROW TO BE COORDINATED WITH UP-01 CONTRACT ALONG UPRR ROW LINE. FINAL GRADING ON UPRR ROW TO BE COMPLETED AS PART OF UP-01 CONTRACT.



SECTION B-B
(LOOKING SOUTH)



SUBSTRUCTURE REMOVAL PLAN



SUPERSTRUCTURE REMOVAL PLAN

LEGEND

- EXISTING STRUCTURE STAGE 1 REMOVAL
- EXISTING STRUCTURE STAGE 2A REMOVAL
- EXISTING STRUCTURE STAGE 2 REMOVAL
- EXISTING STRUCTURE STAGE 3 REMOVAL

BILL OF MATERIAL (BRIDGE NO. 287 (NB))

ITEM	UNIT	QUANTITY
REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	0.5

BILL OF MATERIAL (BRIDGE NO. 288 (SB))

ITEM	UNIT	QUANTITY
REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	0.5

NOTES:

1. ALL REMOVAL DIMENSIONS AND DETAILS ARE APPROXIMATE BASED ON THE EXISTING PLANS AND SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO BEGINNING REMOVAL.
2. PAYMENT FOR SUPERSTRUCTURE AND SUBSTRUCTURE REMOVAL WORK, AS SHOWN HEREIN, SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES NO. 2, UNLESS OTHERWISE NOTED.
3. EARTH EXCAVATION AT UPRR BRIDGE HAS BEEN QUANTIFIED IN THE EARTHWORK SUMMARY WITHIN PROJECT SCHEDULE OF QUANTITIES. SEE VOLUME 1 FOR ADDITIONAL DETAILS.
4. TSRS FOR TEMPORARY TRACK SHALL BE COMPLETED IN STAGE 1 BEFORE JULY 1, 2021 INTERIM COMPLETION DATE. TEMPORARY TRACK (INCLUDING BALLAST AND SUBBALLAST) TO BE INSTALLED BY UP-01 CONTRACTOR.
5. SEE SHEETS SD-6 THRU SD-14 FOR ADDITIONAL REMOVAL DETAILS.

DRAWN BY SWOJTECZKO DATE 04/30/2020
CHECKED BY MLONGFIELD DATE 04/30/2020

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2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS

NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288) REMOVAL PLAN
SHT NO. SD-5
DRAWING NO. 673 OF 1740

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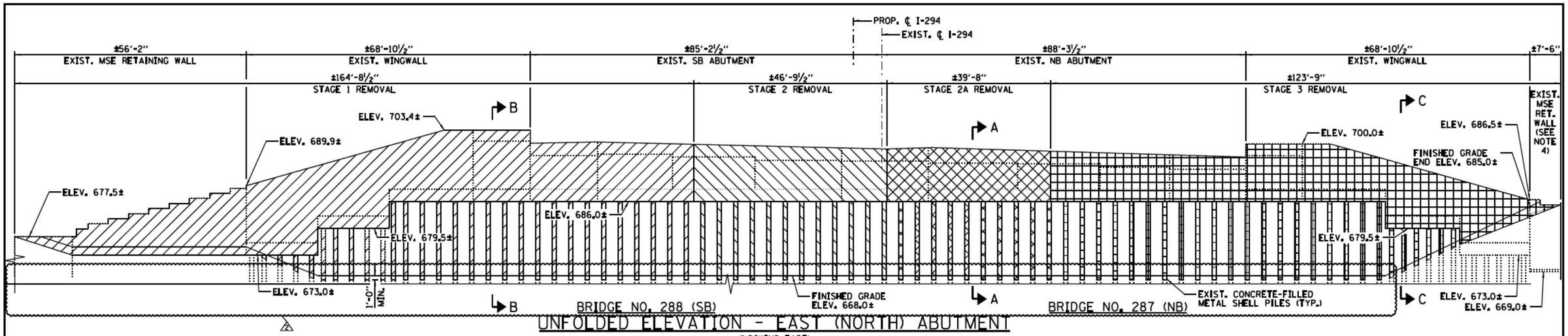
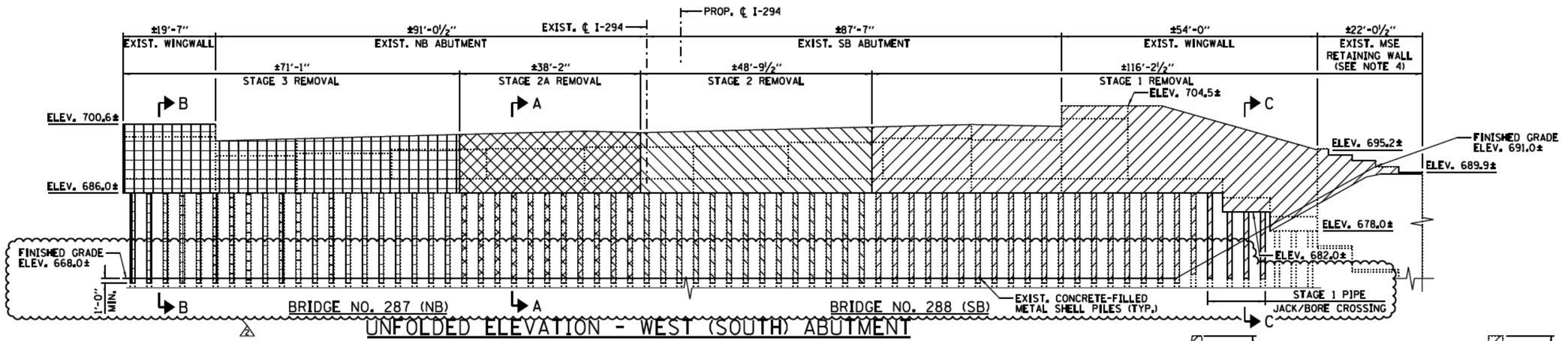
32329



UNFOLDED ELEVATION - EAST (NORTH) ABUTMENT

(LOOKING EAST)



UNFOLDED ELEVATION - WEST (SOUTH) ABUTMENT

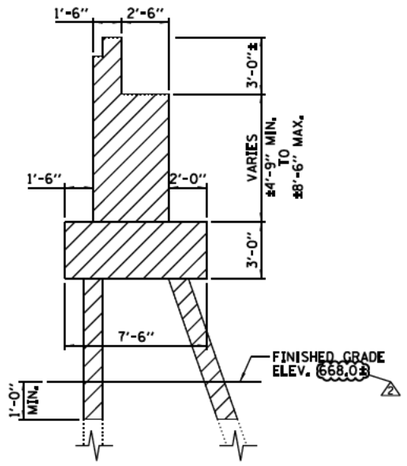
(LOOKING WEST)

NOTES:

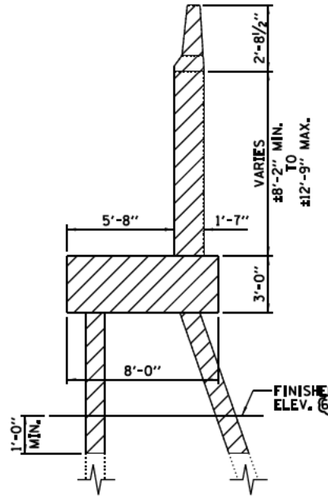
1. REMOVAL DIMENSIONS ARE MEASURED ALONG THE FRONT FACE OF SUBSTRUCTURE UNITS FOLLOWING THE SKEW, UNLESS NOTED OTHERWISE. ALL REMOVAL DIMENSIONS AND DETAILS ARE APPROXIMATE BASED ON THE EXISTING PLANS AND SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO BEGINNING REMOVAL.
2. PAYMENT FOR SUBSTRUCTURE REMOVAL, AS SHOWN HEREIN, SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES NO. 2.
3. EXISTING PILES SHALL BE REMOVED TO AT LEAST 1'-0" DEPTH BELOW THE FINISHED GRADE. ADDITIONAL LOCALIZED FULL EXTRACTION OF EXISTING PILES MAY BE NECESSARY DUE TO INTERFERENCE WITH PROPOSED STRUCTURES, INCLUDING BUT NOT LIMITED TO UPRR BRIDGE PIER H-PILES AND TEMPORARY SOIL RETENTION SYSTEMS, BORED/JACKED STORM SEWERS, ITS UNDERGROUND CONDUITS AND RAMP S2 PIER 3 DRIVEN H-PILES. COST INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES NO. 2.
4. AT EXISTING MSE RETAINING WALLS, ALL CONCRETE PANELS AND SOIL REINFORCEMENT STRAPS SHALL BE CUT AND REMOVED TO A DEPTH AT LEAST 1'-0" BELOW THE FINISHED GRADE.

LEGEND

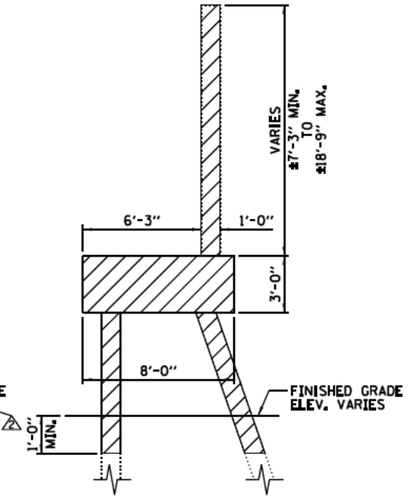
- EXISTING STRUCTURE STAGE 1 REMOVAL
- EXISTING STRUCTURE STAGE 2 REMOVAL
- EXISTING STRUCTURE STAGE 2A REMOVAL
- EXISTING STRUCTURE STAGE 3 REMOVAL



SECTION A-A



SECTION B-B



SECTION C-C

DRAWN BY SWOJTECZKO DATE 04/30/2020
CHECKED BY MLONGFIELD DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/15/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

I-294 OVER UPRR (BN 287 & 288)
SUBSTRUCTURE REMOVAL DETAILS
(2 OF 2)

SHT NO. SD-7

DRAWING NO.
675 OF 1740

path\\benesch\revit\benesch_local@benesch_Projects\Documents\18508@x18595_80@x4656\Contract 7 - SB5 - I-17-4339\Structural_Bridge\Sht\4339A-sht-287&288-strucrem-803.dgn
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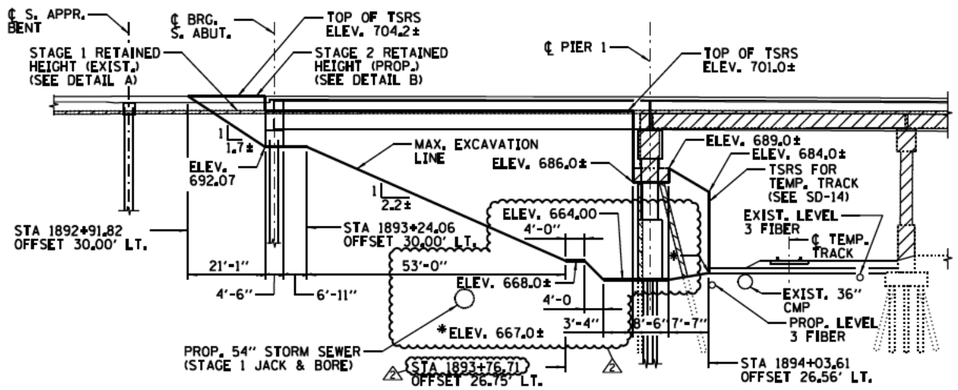
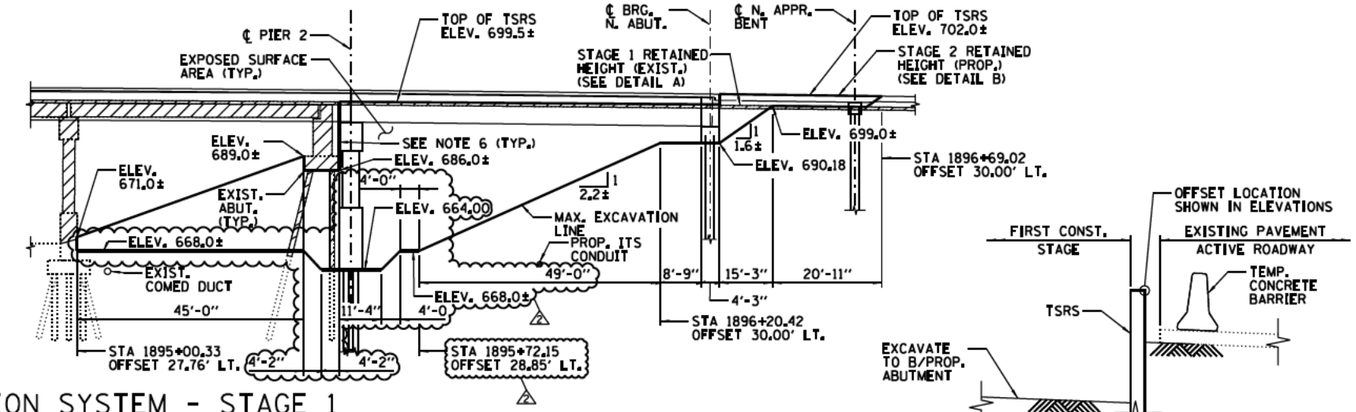
32329

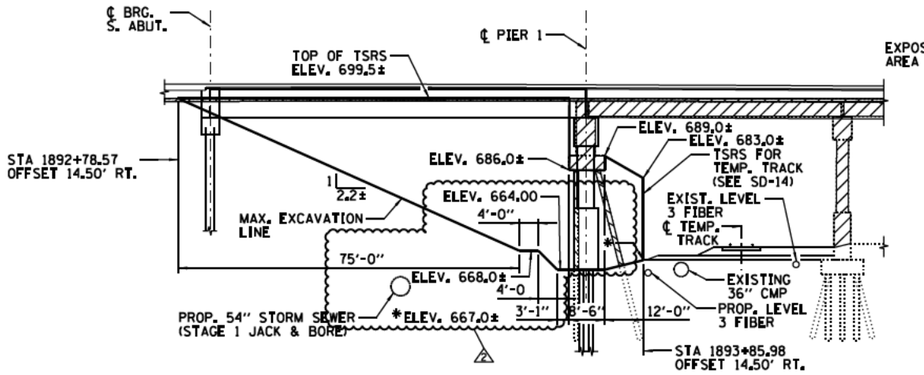


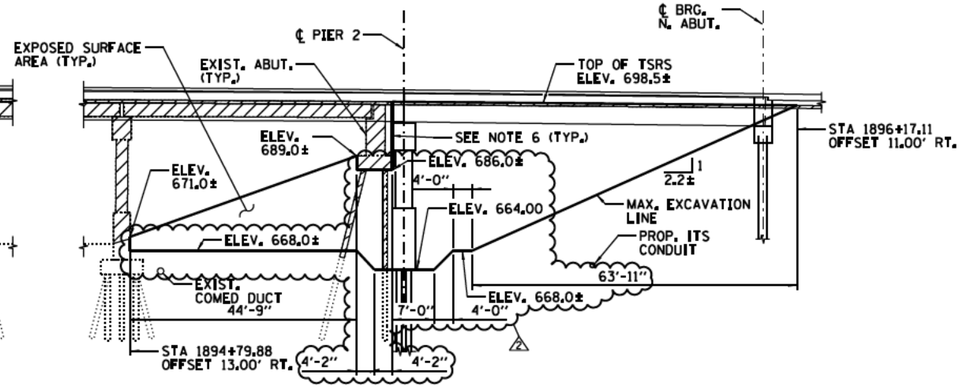


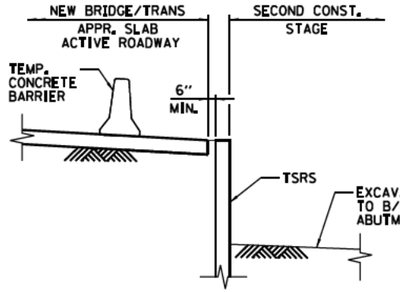
TEMPORARY SOIL RETENTION SYSTEM - STAGE 1

DETAIL A

(STAGE 1 AND 2A, BEHIND PROP. ABUTMENTS)



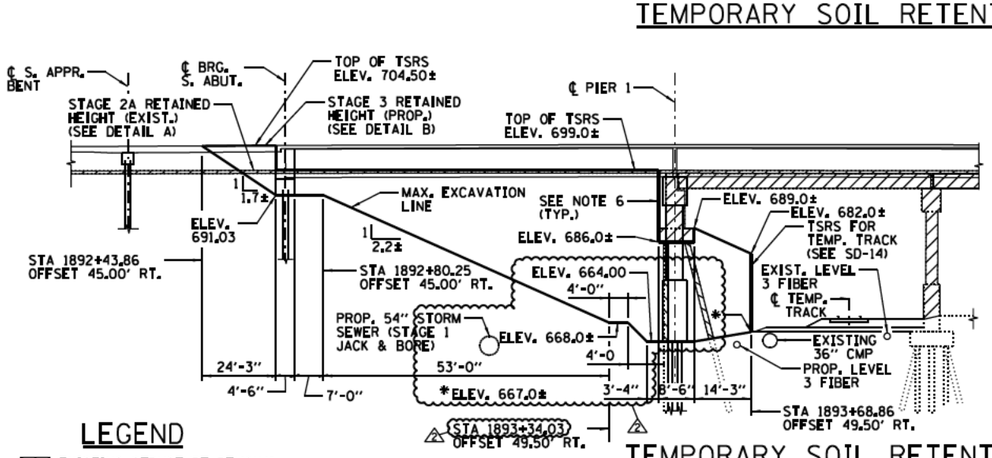


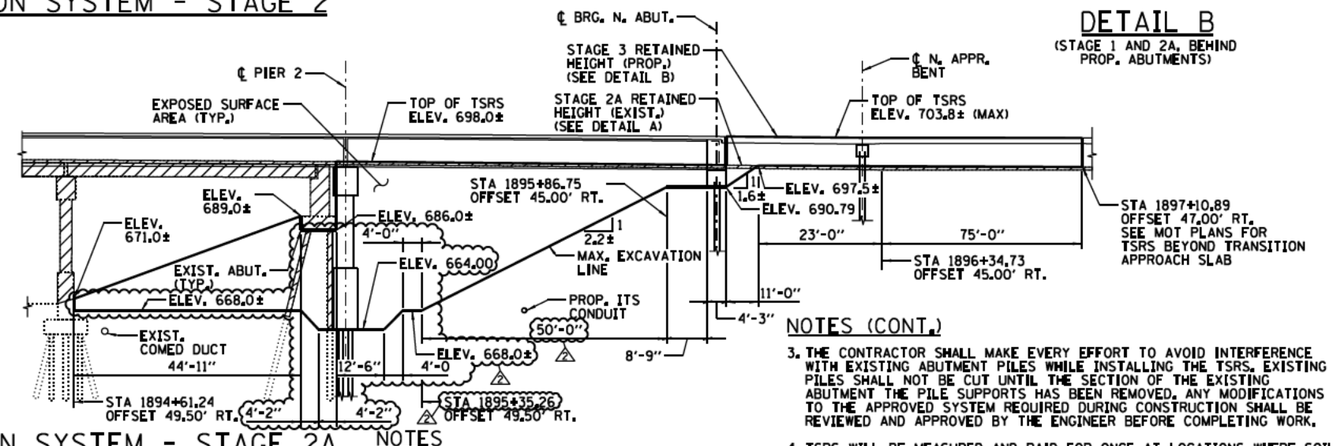


TEMPORARY SOIL RETENTION SYSTEM - STAGE 2

DETAIL B

(STAGE 1 AND 2A, BEHIND PROP. ABUTMENTS)





TEMPORARY SOIL RETENTION SYSTEM - STAGE 2A

LEGEND

EXISTING STRUCTURE REMOVAL

NOTES

1. THE INFORMATION SHOWN FOR TSRS IS ESTIMATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DESIGN AND DETAILS FOR EACH TSRS, COMPLETE WITH CALCULATIONS AND DRAWINGS, SIGNED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER, FOR THE ENGINEER'S REVIEW AND ACCEPTANCE BEFORE STARTING WORK.
2. THE CONTRACTOR SHALL VERIFY LOCATION OF EXISTING AND PROPOSED UTILITIES PRIOR TO DESIGN AND INSTALLATION OF TSRS.

NOTES (CONT.)

3. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO AVOID INTERFERENCE WITH EXISTING ABUTMENT PILES WHILE INSTALLING THE TSRS. EXISTING PILES SHALL NOT BE CUT UNTIL THE SECTION OF THE EXISTING ABUTMENT THE PILE SUPPORTS HAS BEEN REMOVED. ANY MODIFICATIONS TO THE APPROVED SYSTEM REQUIRED DURING CONSTRUCTION SHALL BE REVIEWED AND APPROVED BY THE ENGINEER BEFORE COMPLETING WORK.
4. TSRS WILL BE MEASURED AND PAID FOR ONCE AT LOCATIONS WHERE SOIL IS RETAINED ON BOTH SIDES OF THE TSRS AS SHOWN IN DETAILS A & B.
5. OFFSETS GIVEN WITH RESPECT TO PROP. ℄ I-294 AT FRONT FACE OF TSRS, UNLESS NOTED OTHERWISE.
6. LOCALIZED TEMPORARY CLOSURE DETAILS MAY BE REQUIRED BEHIND EXISTING AND PROPOSED ABUTMENTS. DESIGN AND DETAILS SHALL BE INCLUDED IN CONTRACTOR'S TSRS SUBMITTAL.
7. COORDINATE THIS SHEET WITH OTHER TEMPORARY SOIL RETENTION SYSTEMS AND REMOVAL DETAILS SHOWN ON SHEETS SD-5 THRU SD-14.

BILL OF MATERIAL
BRIDGE NO. 287 (NB)

ITEM	UNIT	QUANTITY
TEMPORARY SOIL RETENTION SYSTEM	SQ FT	5,268

BILL OF MATERIAL
BRIDGE NO. 288 (SB)

ITEM	UNIT	QUANTITY
TEMPORARY SOIL RETENTION SYSTEM	SQ FT	8,930

DRAWN BY MLONGFIELD DATE 04/30/2020
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2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
TEMP. SOIL RETENTION SYSTEM
I-294 STAGE LINES

SHT NO. SD-12
DRAWING NO. 680 OF 1740

4339A-sht-287&288-tsrs.dgn
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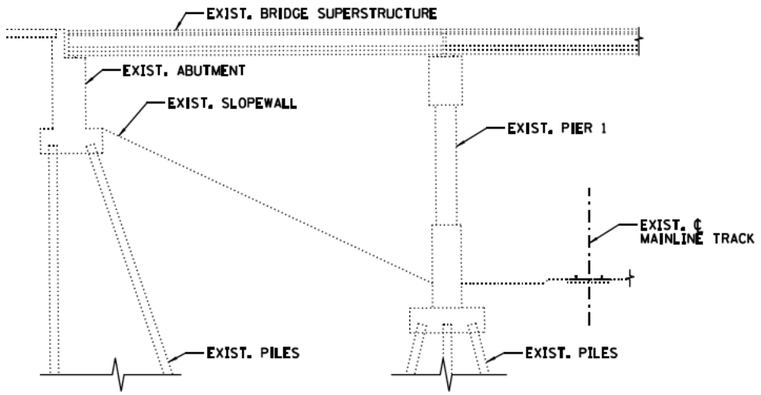
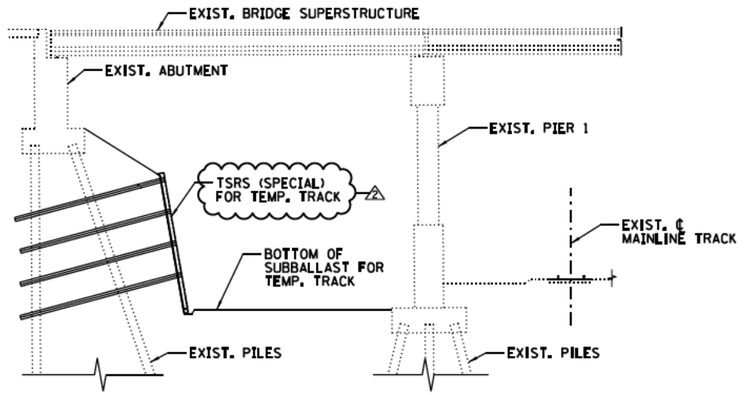
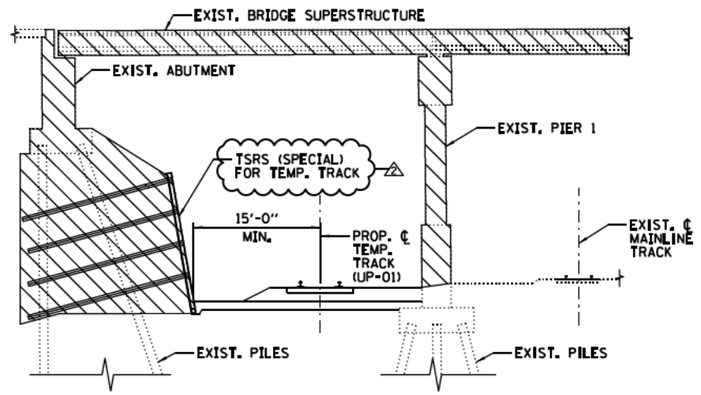


EXIST. CROSS SECTION

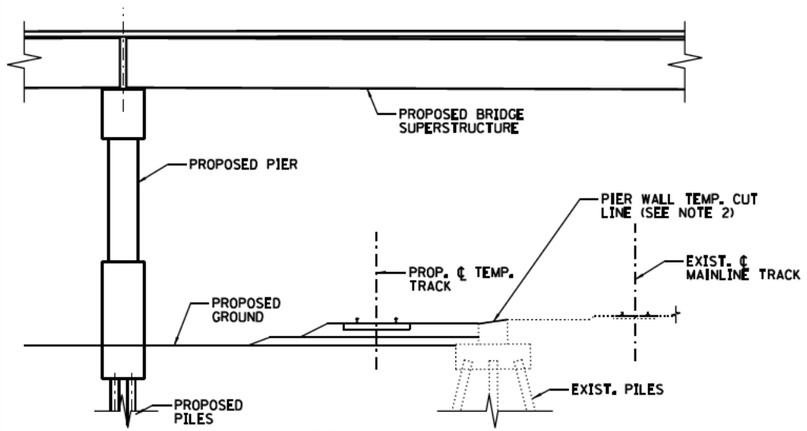
(LOOKING NORTH THRU WEST SIDE OF BRIDGE IN LOCATION OF PLANNED UPRR TRACK EXPANSION)



STEP 1
TSRS FOR TEMP. TRACK INSTALLATION

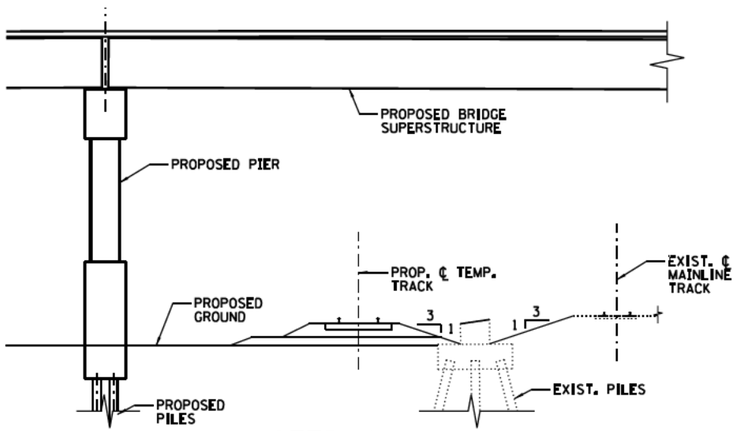


STEP 2
EXIST. STRUCTURE REMOVAL

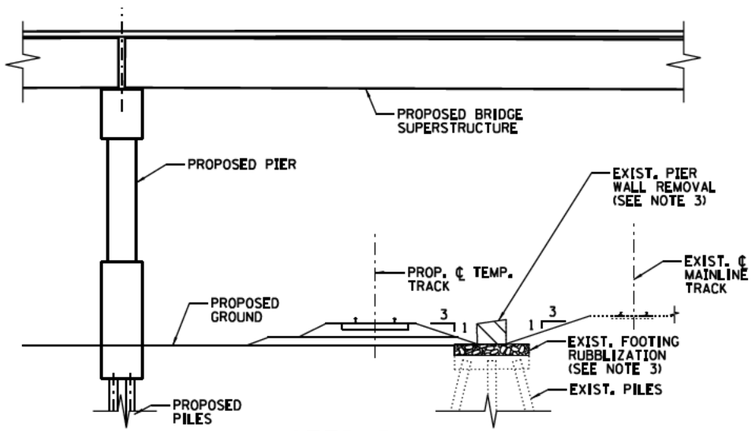


STEP 3
PROPOSED BRIDGE CONSTRUCTION

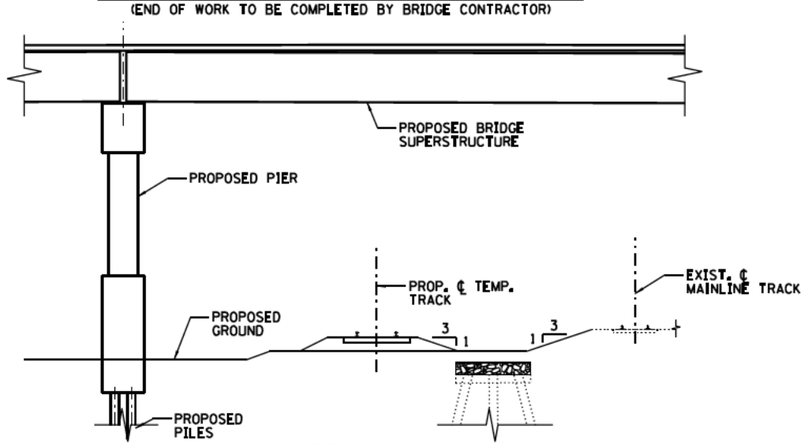
(END OF WORK TO BE COMPLETED BY BRIDGE CONTRACTOR)



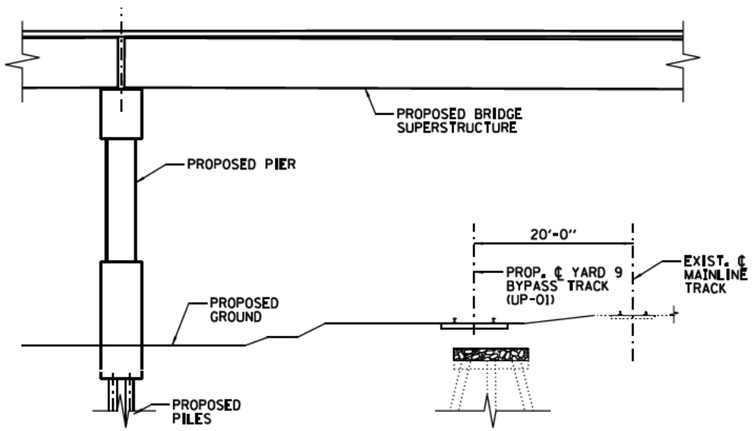
STEP 4
TRACK GRADING (UP-01)



STEP 5
REMAINING PIER DEMOLITION (UP-01)



STEP 6
PIER REMOVAL AND REGRADING (UP-01)



PROP. CROSS SECTION

(TEMPORARY TRACK RELOCATED INTO FINAL POSITION OF YARD 9 BYPASS TRACK)

NOTES:

1. THE CONSTRUCTION PHASING CONCEPTS AND SEQUENCE SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY AND REPRESENT ONE POTENTIAL SEQUENCE OF ACTIVITIES TO COMPLETE THE PROPOSED WORK. IT SHALL BE THE RESPONSIBILITY OF THE BRIDGE CONTRACTOR TO COORDINATE WITH UP-01 CONTRACTOR AND UPRR REGARDING PROPOSED CONSTRUCTION METHODS AND SEQUENCE OF EVENTS.
2. BRIDGE CONTRACTOR SHALL REMOVE EXISTING PIER STEM TO THE EXISTING GROUND ELEVATION BETWEEN TEMPORARY TRACK AND MAINLINE TRACK. EXPOSED CUT LINE SHALL BE KEPT CLEAN AND FREE OF HAZARDS TO THE SATISFACTION OF THE ENGINEER AND UPRR UNTIL FINAL PIER WALL REMOVAL IS COMPLETED BY THE UP-01 CONTRACTOR.
3. UP-01 CONTRACTOR SHALL REMOVE EXISTING CONCRETE PIER WALL TO 3 FEET BELOW THE LOWEST TOP OF TIE ELEVATION. EXISTING CONCRETE FOOTING BENEATH WALL SHALL BE RUBBLIZED IN PLACE TO 18" BELOW CONCRETE REMOVAL LINE. WORK SHALL BE COMPLETED AS REQUIRED BY, AND TO THE SATISFACTION OF, THE UPRR.
4. SEE SHEET SD-14 FOR DETAILS OF TSRS (SPECIAL) FOR TEMPORARY TRACK TO BE INSTALLED BY BRIDGE CONTRACTOR. 2

DRAWN BY KSNIDER DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
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ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
UPRR CONSTRUCTION PHASING
TSRS AND TEMPORARY TRACK WORK

SHT NO. SD-13
DRAWING NO. 681 OF 1740

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4339A-sht-287&288-tsrs-seq.dgn
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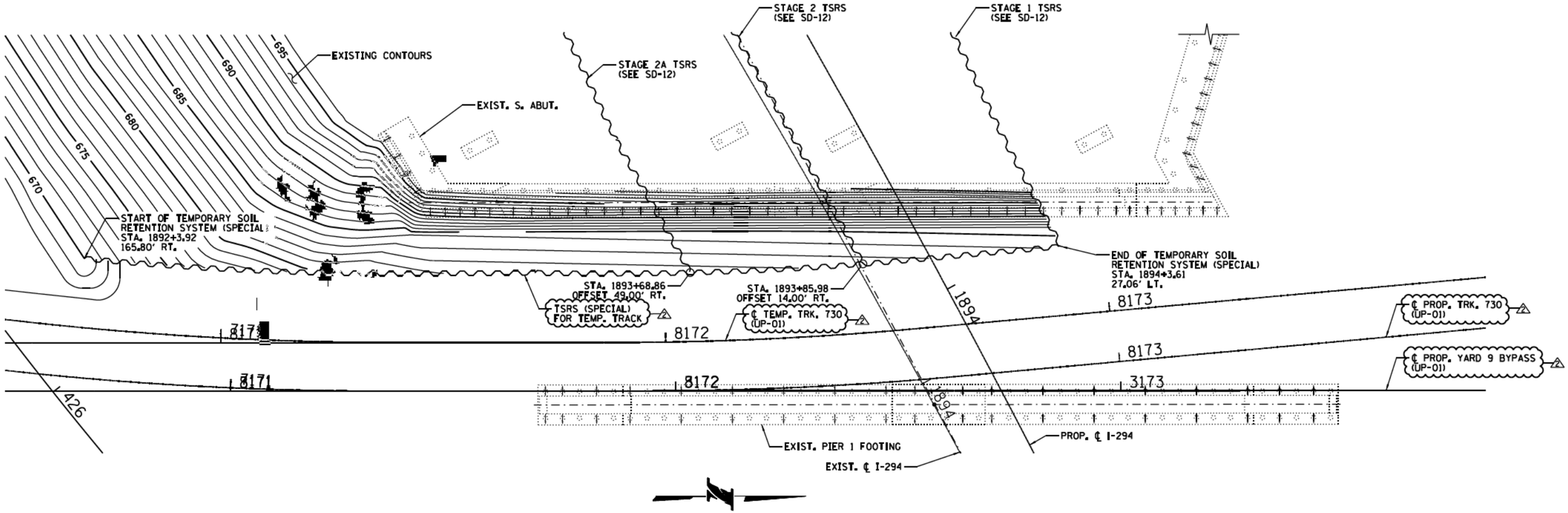
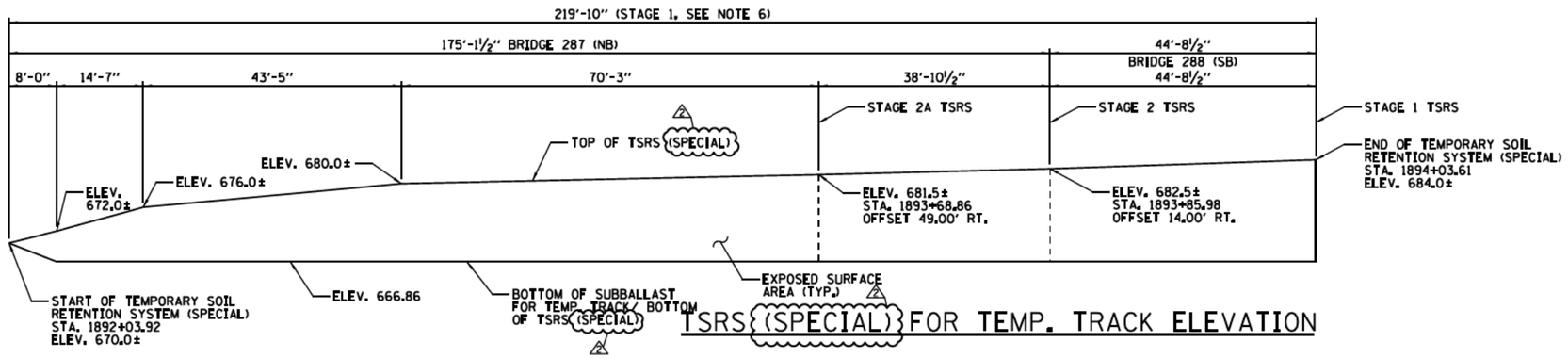


PLAN



TSRS (SPECIAL) FOR TEMP. TRACK ELEVATION

BILL OF MATERIAL
BRIDGE NO. 287 (NB)

ITEM	UNIT	QUANTITY
TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	2,173

BILL OF MATERIAL
BRIDGE NO. 288 (SB)

ITEM	UNIT	QUANTITY
TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	733

NOTES:

1. THE INFORMATION SHOWN FOR TEMPORARY SOIL RETENTION SYSTEM (SPECIAL) IS ESTIMATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DESIGN AND DETAILS FOR EACH TSRS, COMPLETE WITH CALCULATIONS AND DRAWINGS, SIGNED AND SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER, FOR THE ENGINEER AND RAILROAD'S REVIEW AND ACCEPTANCE BEFORE STARTING WORK.
2. STATIONS AND OFFSETS ARE MEASURED FROM PROP. ℄ I-294 TO THE ℄ OF TSRS. (2)
3. TSRS (SPECIAL) FOR TEMPORARY TRACK SHALL BE COMPLETED IN STAGE 1 BEFORE JULY 1, 2021 INTERIM COMPLETION DATE. TEMPORARY TRACK (INCLUDING BALLAST AND SUBBALLAST) TO BE INSTALLED BY UP-01 CONTRACTOR.
4. COORDINATE THIS SHEET WITH OTHER TEMPORARY SOIL RETENTION SYSTEMS AND REMOVAL DETAILS SHOWN ON SHEETS SD-5 THRU SD-14.

DRAWN BY KSNIDER DATE 04/30/2020
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2700 OGDEN AVENUE
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REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

I-294 OVER UPRR (BN 287 & 288)
TEMP. SOIL RETENTION SYSTEM
UPRR TEMP. TRACK

SHT NO. SD-14

DRAWING NO. 682 OF 1740

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4339A-sht-287&288-tsr-sd.dgn
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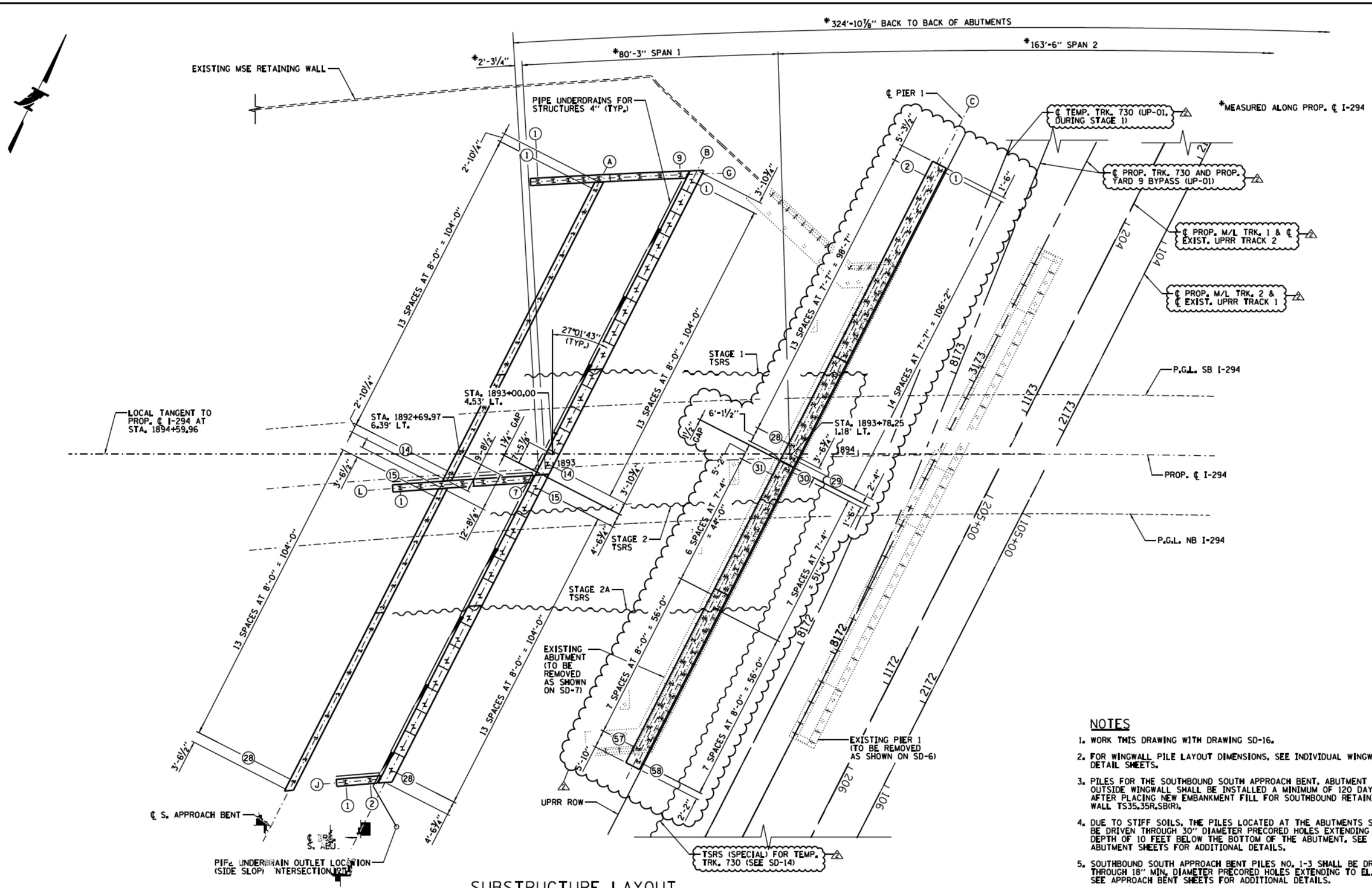

SUBSTRUCTURE LAYOUT

NOTES

1. WORK THIS DRAWING WITH DRAWING SD-16.
2. FOR WINGWALL PILE LAYOUT DIMENSIONS, SEE INDIVIDUAL WINGWALL DETAIL SHEETS.
3. PILES FOR THE SOUTHBOUND SOUTH APPROACH BENT, ABUTMENT AND OUTSIDE WINGWALL SHALL BE INSTALLED A MINIMUM OF 120 DAYS AFTER PLACING NEW EMBANKMENT FILL FOR SOUTHBOUND RETAINING WALL TS35,35R,SB(R).
4. DUE TO STIFF SOILS, THE PILES LOCATED AT THE ABUTMENTS SHALL BE DRIVEN THROUGH 30" DIAMETER PRECORED HOLES EXTENDING TO A DEPTH OF 10 FEET BELOW THE BOTTOM OF THE ABUTMENT. SEE ABUTMENT SHEETS FOR ADDITIONAL DETAILS.
5. SOUTHBOUND SOUTH APPROACH BENT PILES NO. 1-3 SHALL BE DRIVEN THROUGH 18" MIN. DIAMETER PRECORED HOLES EXTENDING TO EL. 680. SEE APPROACH BENT SHEETS FOR ADDITIONAL DETAILS.
6. EXISTING AND PROPOSED UTILITIES NOT SHOWN FOR CLARITY. COORDINATE WITH SHEETS SD-1 AND SD-12 THRU SD-14.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
SUBSTRUCTURE LOCATION PLAN
(1 OF 2)

SHT NO. SD-15
DRAWING NO. 683 OF 1740

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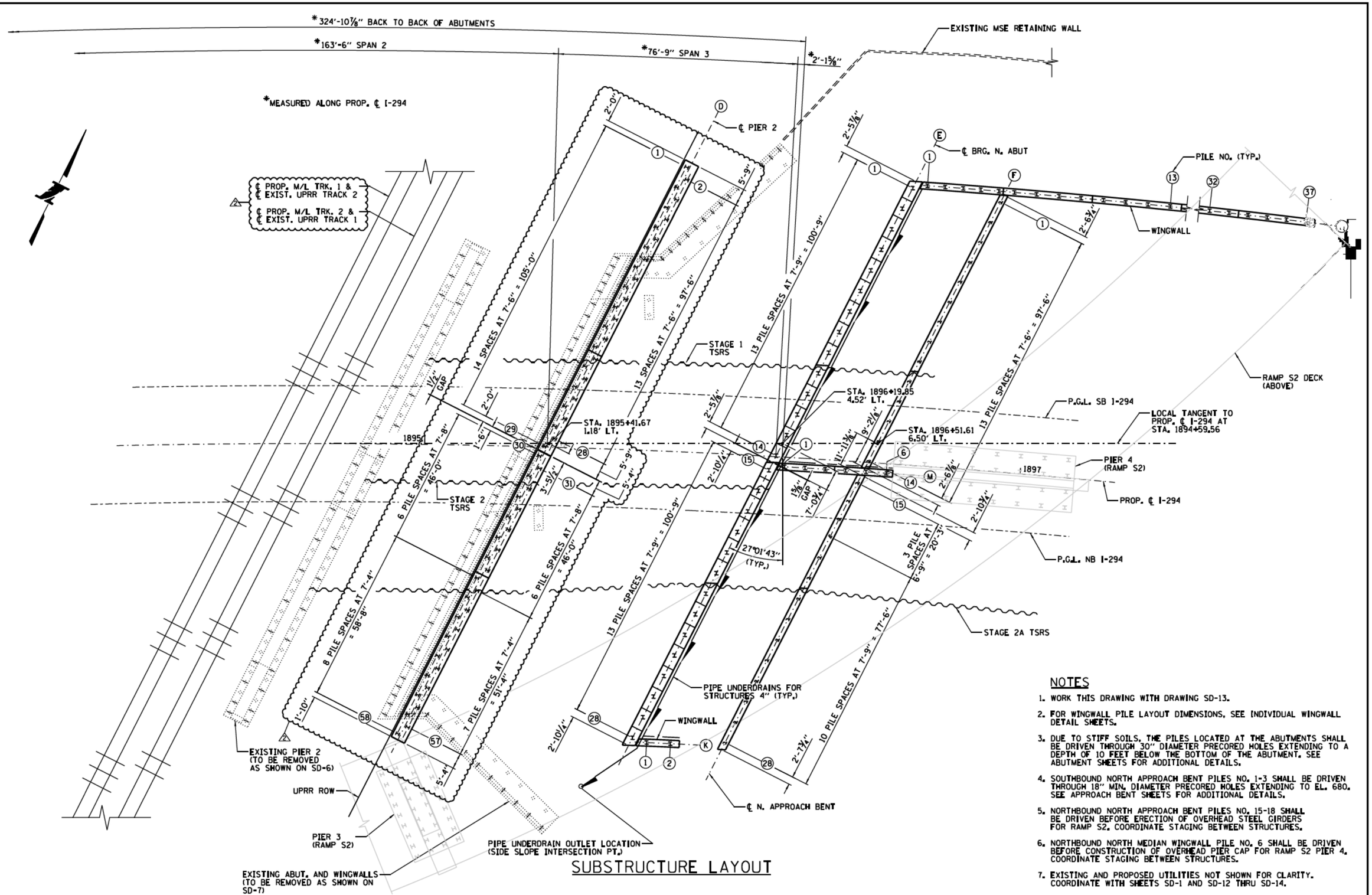

SUBSTRUCTURE LAYOUT

NOTES

1. WORK THIS DRAWING WITH DRAWING SD-13.
2. FOR WINGWALL PILE LAYOUT DIMENSIONS, SEE INDIVIDUAL WINGWALL DETAIL SHEETS.
3. DUE TO STIFF SOILS, THE PILES LOCATED AT THE ABUTMENTS SHALL BE DRIVEN THROUGH 30" DIAMETER PRECORED HOLES EXTENDING TO A DEPTH OF 10 FEET BELOW THE BOTTOM OF THE ABUTMENT. SEE ABUTMENT SHEETS FOR ADDITIONAL DETAILS.
4. SOUTHBOUND NORTH APPROACH BENT PILES NO. 1-3 SHALL BE DRIVEN THROUGH 18" MIN. DIAMETER PRECORED HOLES EXTENDING TO EL. 680. SEE APPROACH BENT SHEETS FOR ADDITIONAL DETAILS.
5. NORTHBOUND NORTH APPROACH BENT PILES NO. 15-18 SHALL BE DRIVEN BEFORE ERECTION OF OVERHEAD STEEL GIRDERS FOR RAMP S2. COORDINATE STAGING BETWEEN STRUCTURES.
6. NORTHBOUND NORTH MEDIAN WINGWALL PILE NO. 6 SHALL BE DRIVEN BEFORE CONSTRUCTION OF OVERHEAD PIER CAP FOR RAMP S2 PIER 4. COORDINATE STAGING BETWEEN STRUCTURES.
7. EXISTING AND PROPOSED UTILITIES NOT SHOWN FOR CLARITY. COORDINATE WITH SHEETS SD-1 AND SD-12 THRU SD-14.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
SUBSTRUCTURE LOCATION PLAN
(2 OF 2)

SHT NO. SD-16
DRAWING NO. 684 OF 1740

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32329

PILE DRIVING RECORD

DATE PILES DRIVEN:
(MONTH YEAR)

TYPE & SIZE OF PILE USED:

PILE DRIVING EQUIPMENT USED: ENERGY RATING:

HAMMER USED: TYPE: STROKE: WEIGHT:

FORMULA USED TO CALCULATE CAPACITY:

PILE DRIVING CONTRACTOR: CM:

PILE LOCATION	PILE NO.	GROUND SURFACE ELEVATION	CUT-OFF ELEVATION	PENETRATION LENGTH, FT.	DRIVING DATA FOR THE FINAL 5 FT. - BLOWS							CAPACITY TONS	REMARKS
					5' TO 4'	4' TO 3'	3' TO 2'	2' TO 1'	1' TO 0'	12" TO 6"*	6" TO 0"*		
BRIDGE NO. 288 (PIER 1)	C-1												
	C-2												
	C-3												
	C-4												
	C-5												
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BRIDGE NO. 287 (PIER 1)	C-30												
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2	C-58												

PILE DRIVING RECORD

DATE PILES DRIVEN:
(MONTH YEAR)

TYPE & SIZE OF PILE USED:

PILE DRIVING EQUIPMENT USED: ENERGY RATING:

HAMMER USED: TYPE: STROKE: WEIGHT:

FORMULA USED TO CALCULATE CAPACITY:

PILE DRIVING CONTRACTOR: CM:

PILE LOCATION	PILE NO.	GROUND SURFACE ELEVATION	CUT-OFF ELEVATION	PENETRATION LENGTH, FT.	DRIVING DATA FOR THE FINAL 5 FT. - BLOWS							CAPACITY TONS	REMARKS
					5' TO 4'	4' TO 3'	3' TO 2'	2' TO 1'	1' TO 0'	12" TO 6"*	6" TO 0"*		
BRIDGE NO. 288 (PIER 2)	D-1												
	D-2												
	D-3												
	D-4												
	D-5												
	D-6												
	D-7												
	D-8												
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BRIDGE NO. 287 (PIER 2)	D-30												
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* FOR PILES DRIVEN TO REFUSAL, BLOW COUNT FOR THE LAST FOOT SHALL BE RECORDED IN 6 INCH INCREMENTS. PILE DAMAGE, OBSTRUCTION, PILE REJECTION, TEST PILES, ETC. SHALL BE RECORDED IN REMARKS COLUMN.

DRAWN BY AYOUSIF DATE 04/30/2020

CHECKED BY SWOJTECZKO DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

I-294 OVER UPRR (BN 287 & 288)
PIER PILE
DRIVING RECORD

SHT NO. SD-19

DRAWING NO.
687 OF 1740

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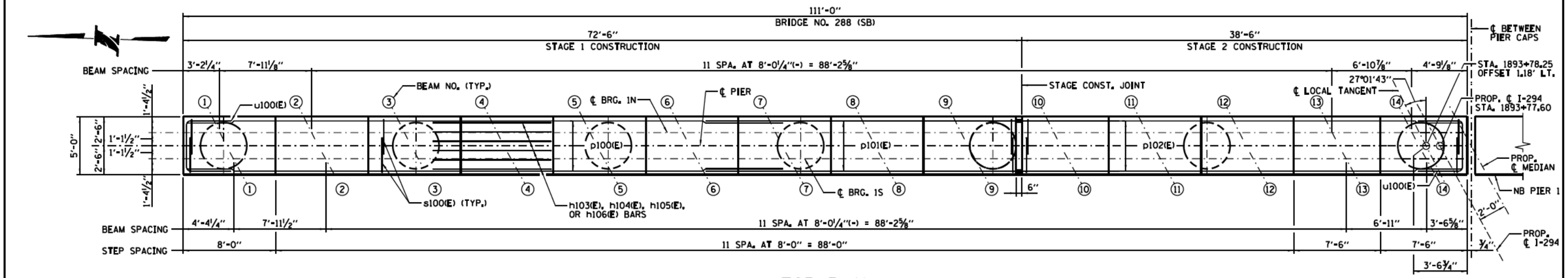
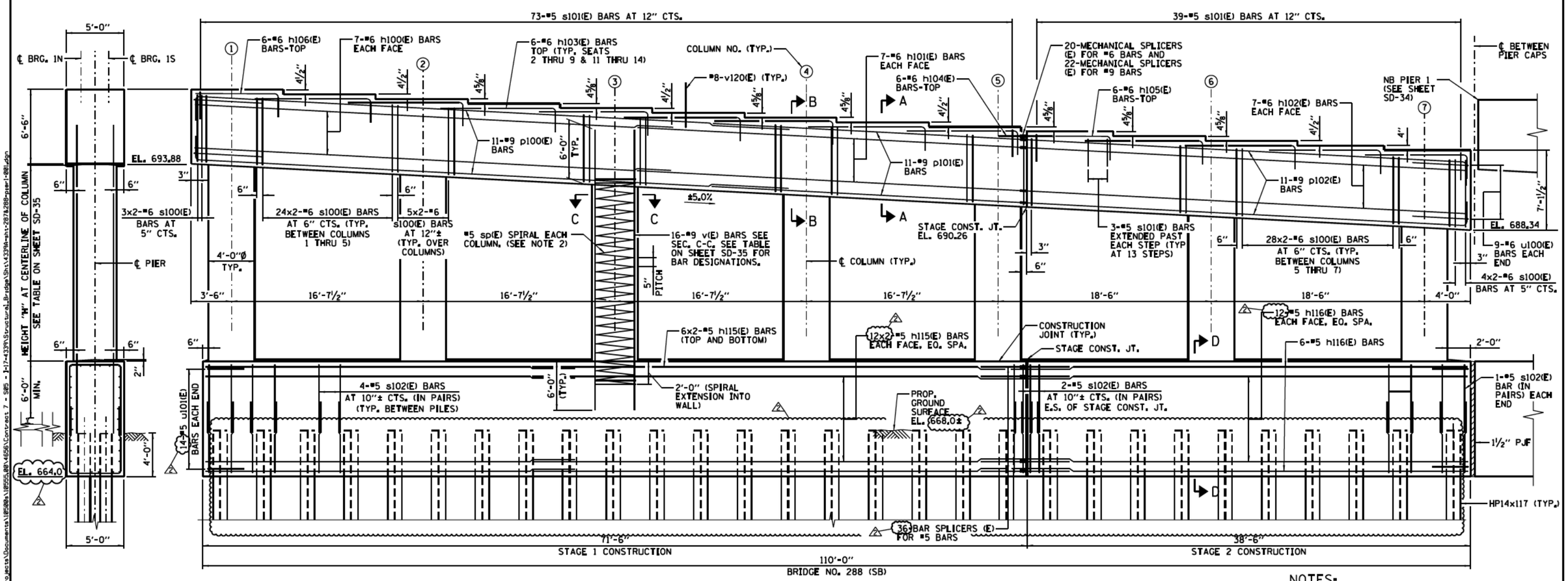
32329



TOP PLAN



END VIEW

PILE DATA

PILE TYPE AND SIZE: STEEL HP14x117 W/PILE SHOES
NOMINAL REQUIRED BEARING: 929 KIPS
FACTORED RESISTANCE AVAILABLE: 511 KIPS
ESTIMATED PILE LENGTH: 87 FEET
NO. OF PRODUCTION PILES: 28 ⚠2
NO. OF TEST PILES: 1 (PILE NO. C-2)

ELEVATION - SB PIER 1

(LOOKING UPSTATION)

NOTES:

1. SEE SHEET SD-35 FOR PIER NOTES AND SEAT ELEVATIONS.
2. PROVIDE 1½ EXTRA TURNS TOP AND BOTTOM. EXTEND SPIRAL 2" MIN. INTO PIER CAP. PROVIDE MIN. 4-#4 SPACERS OR EQUIVALENT. SEE TABLE ON SHEET SD-35 FOR SPIRAL DESIGNATIONS.
3. SEE SHEET SD-15 FOR FULL PILE LAYOUT.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
⚠2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
PIER 1 PLAN AND ELEVATION - SOUTHBOUND

SHT NO. SD-33
DRAWING NO. 701 OF 1740

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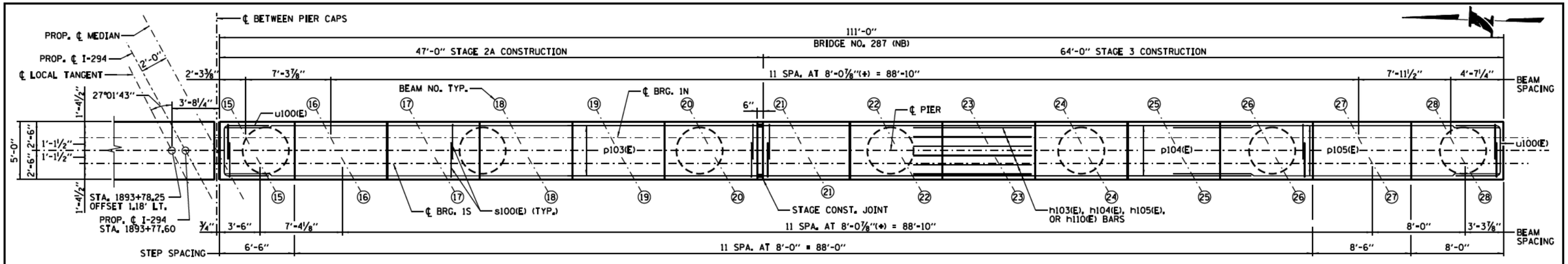

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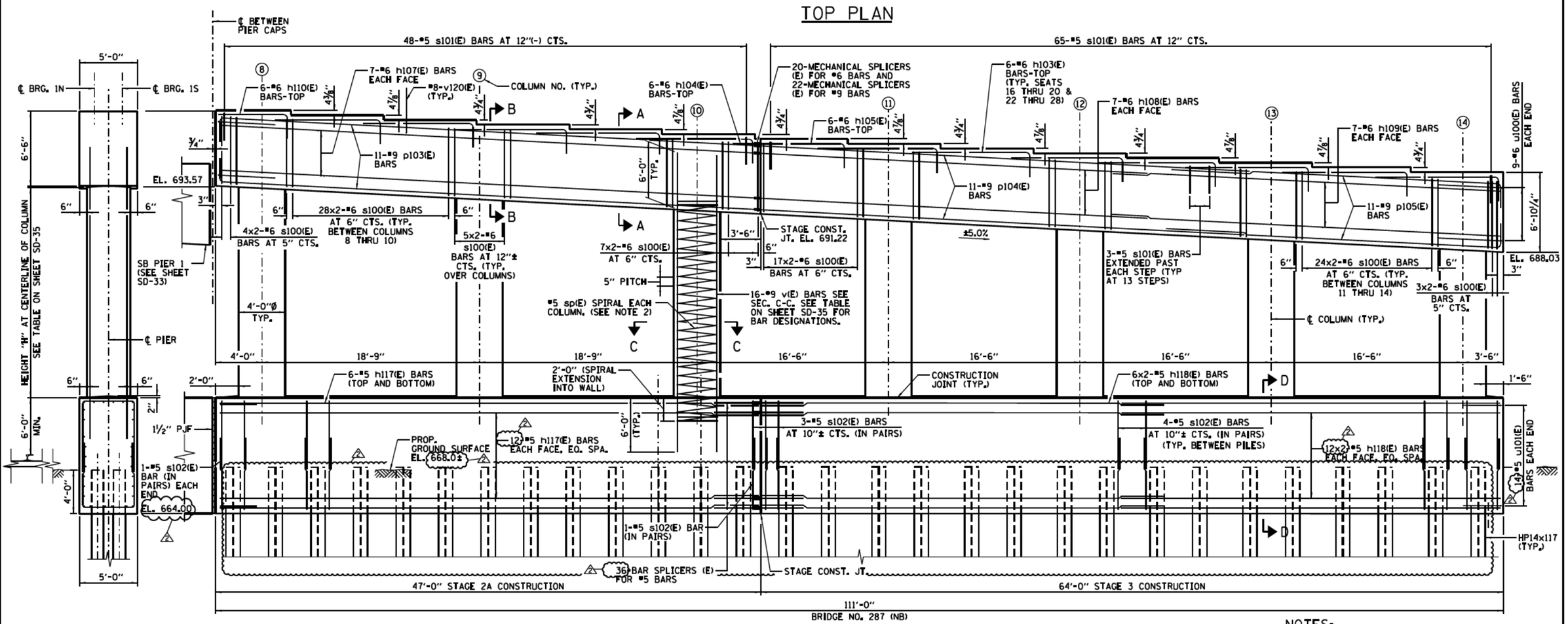

END VIEW

PILE DATA

PILE TYPE AND SIZE:	STEEL HP14x117 W/PILE SHOES
NOMINAL REQUIRED BEARING:	929 KIPS
FACTORED RESISTANCE AVAILABLE:	511 KIPS
ESTIMATED PILE LENGTH:	76 FEET
NO. OF PRODUCTION PILES:	28
NO. OF TEST PILES:	1 (PILE NO. C-31)

ELEVATION - NB PIER 1

(LOOKING UPSTATION)

NOTES:

1. SEE SHEET SD-35 FOR PIER NOTES AND SEAT ELEVATIONS.
2. PROVIDE 1½ EXTRA TURNS TOP AND BOTTOM. EXTEND SPIRAL 2" MIN. INTO PIER CAP. PROVIDE MIN. 4-#4 SPACERS OR EQUIVALENT. SEE TABLE ON SHEET SD-35 FOR SPIRAL DESIGNATIONS.
3. SEE SHEET SD-15 FOR FULL PILE LAYOUT.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
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ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
PIER 1 PLAN AND
ELEVATION - NORTHBOUND

SHT NO. SD-34
DRAWING NO.
702 OF 1740

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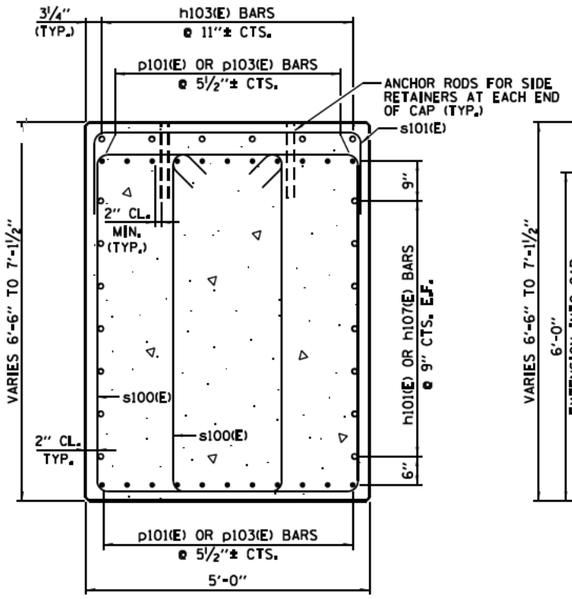
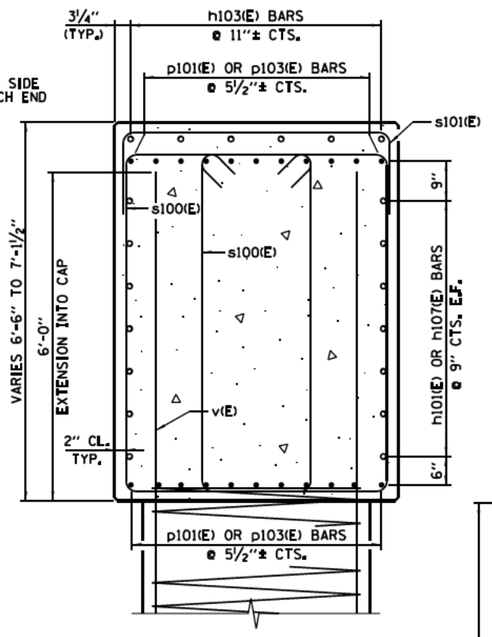
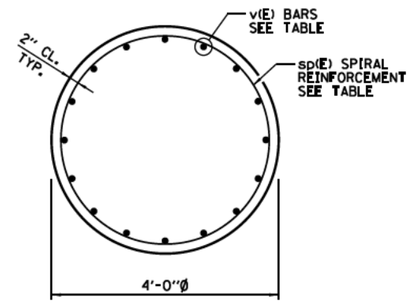


SECTION A-A



SECTION B-B



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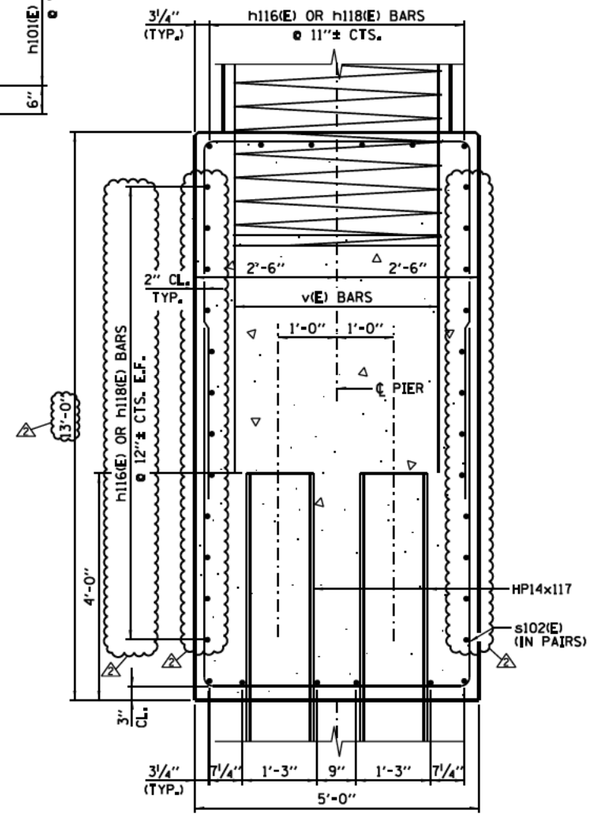


SECTION D-D

	SEAT DIMENSIONS - PIER 1 SOUTHBOUND													
BEAM	1	2	3	4	5	6	7	8	9	10	11	12	13	14
ELEVATION	700.38	700.00	699.62	699.24	698.86	698.48	698.09	697.71	697.33	696.95	696.57	696.18	695.80	695.47

COLUMN INFORMATION - PIER 1 SOUTHBOUND							
COLUMN	1	2	3	4	5	6	7
T/COLUMN ELEV.	693.71	692.88	692.05	691.22	690.39	689.46	688.54
HEIGHT	16'-8½"	15'-10⅝"	15'-0⅝"	14'-2⅝"	13'-4⅝"	12'-5½"	11'-6½"
VERTICAL BAR DESIGNATION	v101(E)	v102(E)	v103(E)	v104(E)	v105(E)	v106(E)	v107(E)
SPIRAL BAR DESIGNATION	sp101(E)	sp102(E)	sp103(E)	sp104(E)	sp105(E)	sp106(E)	sp107(E)

	SEAT DIMENSIONS - PIER 1 NORTHBOUND													
BEAM	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ELEVATION	700.07	699.70	699.30	698.91	698.51	698.10	697.70	697.30	696.90	696.50	696.10	695.70	695.29	694.89

COLUMN INFORMATION - PIER 1 NORTHBOUND							
COLUMN	8	9	10	11	12	13	14
T/COLUMN ELEV.	693.37	692.43	691.50	690.68	689.85	689.03	688.20
HEIGHT	16'-4½"	15'-5⅛"	14'-6"	13'-8⅛"	12'-10¼"	12'-0⅜"	11'-2⅝"
VERTICAL BAR DESIGNATION	v108(E)	v109(E)	v110(E)	v111(E)	v112(E)	v113(E)	v114(E)
SPIRAL BAR DESIGNATION	sp108(E)	sp109(E)	sp110(E)	sp111(E)	sp112(E)	sp113(E)	sp114(E)

BILL OF MATERIAL BRIDGE NO. 287 (NB)

	BAR	No.	SIZE	LENGTH	SHAPE
	h103(E)	72	#6	12'-8"	
	h104(E)	6	#6	4'-4"	
	h105(E)	6	#6	8'-4"	
	h107(E)	14	#6	46'-10"	
	h108(E)	14	#6	34'-10"	
	h109(E)	14	#6	33'-6"	
	h110(E)	6	#6	7'-2"	
	h117(E)	36	#5	46'-8"	
	h118(E)	72	#5	33'-9"	
	p103(E)	22	#9	48'-5"	
	p104(E)	22	#9	43'-3"	
	p105(E)	22	#9	32'-10"	
	s100(E)	388	#6	20'-2"	
	s101(E)	152	#5	8'-8"	
	s102(E)	220	#5	20'-8"	
**	sp108(E)	1	#5	18'-8"	
**	sp109(E)	1	#5	17'-9"	
**	sp110(E)	1	#5	16'-9"	
**	sp111(E)	1	#5	16'-0"	
**	sp112(E)	1	#5	15'-2"	
**	sp113(E)	1	#5	14'-4"	
**	sp114(E)	1	#5	13'-6"	
	u100(E)	18	#6	13'-2"	
	u101(E)	28	#5	11'-8"	
	v108(E)	16	#9	28'-6"	
	v109(E)	16	#9	27'-7"	
	v110(E)	16	#9	26'-7"	
	v111(E)	16	#9	25'-10"	
	v112(E)	16	#9	25'-0"	
	v113(E)	16	#9	24'-2"	
	v114(E)	16	#9	23'-4"	
	v120(E)	78	#8	4'-2"	
	STRUCTURE EXCAVATION		CU YD		264
	CONCRETE STRUCTURES		CU YD		449.2
	REINFORCEMENT BARS, EPOXY COATED		POUND		50,180
	FURNISHING STEEL PILES HP14x117		FOOT		2,128
	DRIVING PILES		FOOT		2,128
	TEST PILE STEEL HP14x117		EACH		1

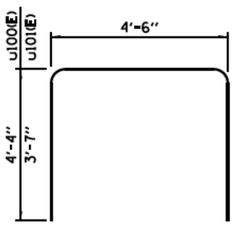
BILL OF MATERIAL BRIDGE NO. 288 (SB)

	BAR	No.	SIZE	LENGTH	SHAPE
	h100(E)	14	#6	43'-0"	
	h101(E)	14	#6	33'-10"	
	h102(E)	14	#6	38'-4"	
	h103(E)	72	#6	12'-8"	
	h104(E)	6	#6	4'-4"	
	h105(E)	6	#6	8'-4"	
	h106(E)	6	#6	8'-8"	
	h115(E)	72	#5	37'-6"	
	h116(E)	36	#5	38'-2"	
	p100(E)	22	#9	52'-9"	
	p101(E)	22	#9	31'-8"	
	p102(E)	22	#9	39'-10"	
	s100(E)	388	#6	20'-2"	
	s101(E)	151	#5	8'-8"	
	s102(E)	220	#5	20'-8"	
**	sp101(E)	1	#5	19'-0"	
**	sp102(E)	1	#5	18'-2"	
**	sp103(E)	1	#5	17'-4"	
**	sp104(E)	1	#5	16'-5"	
**	sp105(E)	1	#5	15'-8"	
**	sp106(E)	1	#5	14'-9"	
**	sp107(E)	1	#5	13'-10"	
	u100(E)	18	#6	13'-2"	
	u101(E)	28	#5	11'-8"	
	v101(E)	16	#9	28'-10"	
	v102(E)	16	#9	28'-0"	
	v103(E)	16	#9	27'-2"	
	v104(E)	16	#9	26'-4"	
	v105(E)	16	#9	25'-6"	
	v106(E)	16	#9	24'-7"	
	v107(E)	16	#9	23'-8"	
	v120(E)	78	#8	4'-2"	
	STRUCTURE EXCAVATION		CU YD		262
	CONCRETE STRUCTURES		CU YD		451.0
	REINFORCEMENT BARS, EPOXY COATED		POUND		50,380
	FURNISHING STEEL PILES HP14x117		FOOT		2,436
	DRIVING PILES		FOOT		2,436
	TEST PILE STEEL HP14x117		EACH		1

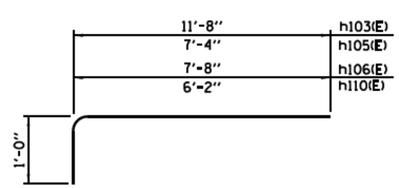
CAST STEPS MONOLITHICALLY WITH CAP.
SPACE CAP REINFORCEMENT TO MISS ANCHOR RODS.
MINIMUM LAP FOR SPIRALS = 3'-4"
** LENGTH IS HEIGHT OF SPIRAL.

MINIMUM BAR LAPS

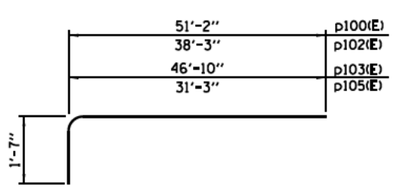
#5 BARS = 3'-7"
#6 BARS = 4'-4"
#9 BARS = 10'-4"



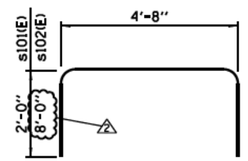
BAR u100(E), u101(E)



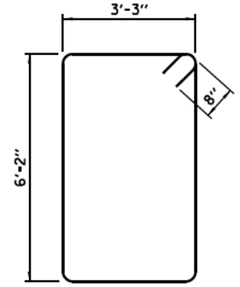
BAR h103(E), h105(E), h106(E), h110(E)



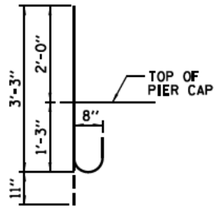
BAR p100(E), p102(E), p103(E), p105(E)



BAR s101(E), s102(E)



BAR s100(E)



BAR v120(E)

NOTES:

1. SEE ELECTRICAL PLANS FOR PIER MOUNTED LIGHTING DETAILS. ELECTRICAL CONTRACTOR SHALL COORDINATE ANY CONCRETE DRILLING AND/OR CONDUIT ANCHORAGE REQUIRED WITH THE BRIDGE CONTRACTOR TO ENSURE PIER REINFORCEMENT IS NOT DAMAGED DURING INSTALLATION.
2. SEE SHEET SD-73 FOR ANCHOR ROD AND v120(E) LOCATIONS.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
PIER 1
DETAILS

SHT NO. SD-35
DRAWING NO. 703 OF 1740

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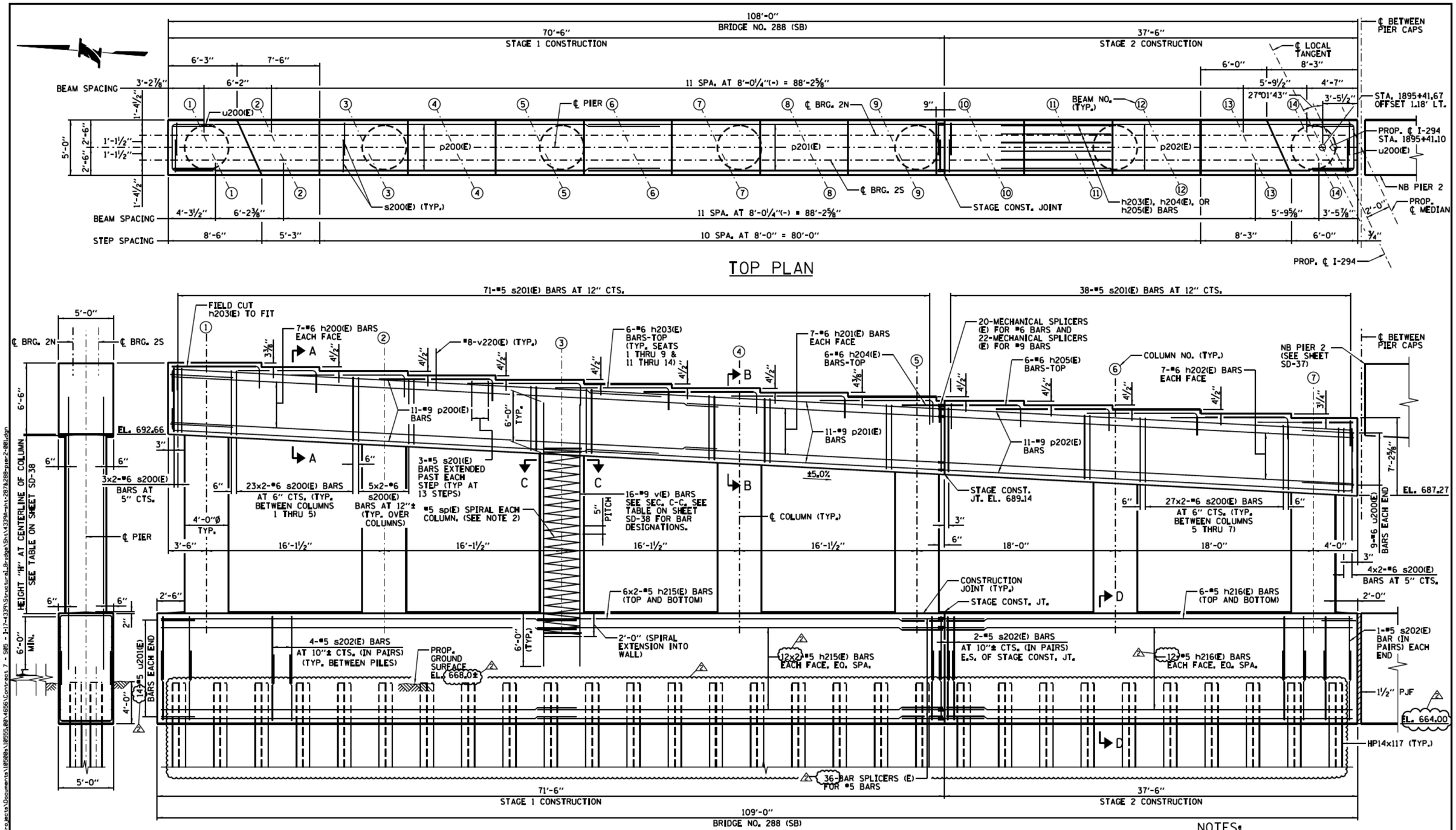

END VIEW

PILE DATA

PILE TYPE AND SIZE:	STEEL HP14x117 W/PILE SHOES
NOMINAL REQUIRED BEARING:	929 KIPS
FACTORED RESISTANCE AVAILABLE:	511 KIPS
ESTIMATED PILE LENGTH:	88 FEET
NO. OF PRODUCTION PILES:	28
NO. OF TEST PILES:	1 (PILE NO. D-2)

ELEVATION - SB PIER 2

(LOOKING UPSTATION)

NOTES:

1. SEE SHEET SD-38 FOR PIER NOTES AND SEAT ELEVATIONS.
2. PROVIDE 1½ EXTRA TURNS TOP AND BOTTOM. EXTEND SPIRAL 2" MIN. INTO PIER CAP. PROVIDE MIN. 4-#4 SPACERS OR EQUIVALENT. SEE TABLE ON SHEET SD-38 FOR SPIRAL DESIGNATIONS.
3. SEE SHEET SD-16 FOR FULL PILE LAYOUT.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
PIER 2 PLAN AND ELEVATION - SOUTHBOUND

SHT NO. SD-36
DRAWING NO. 704 OF 1740

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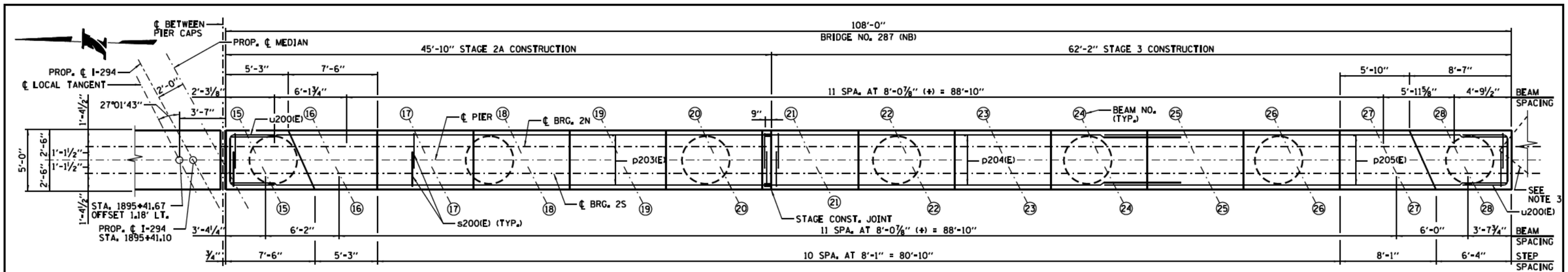
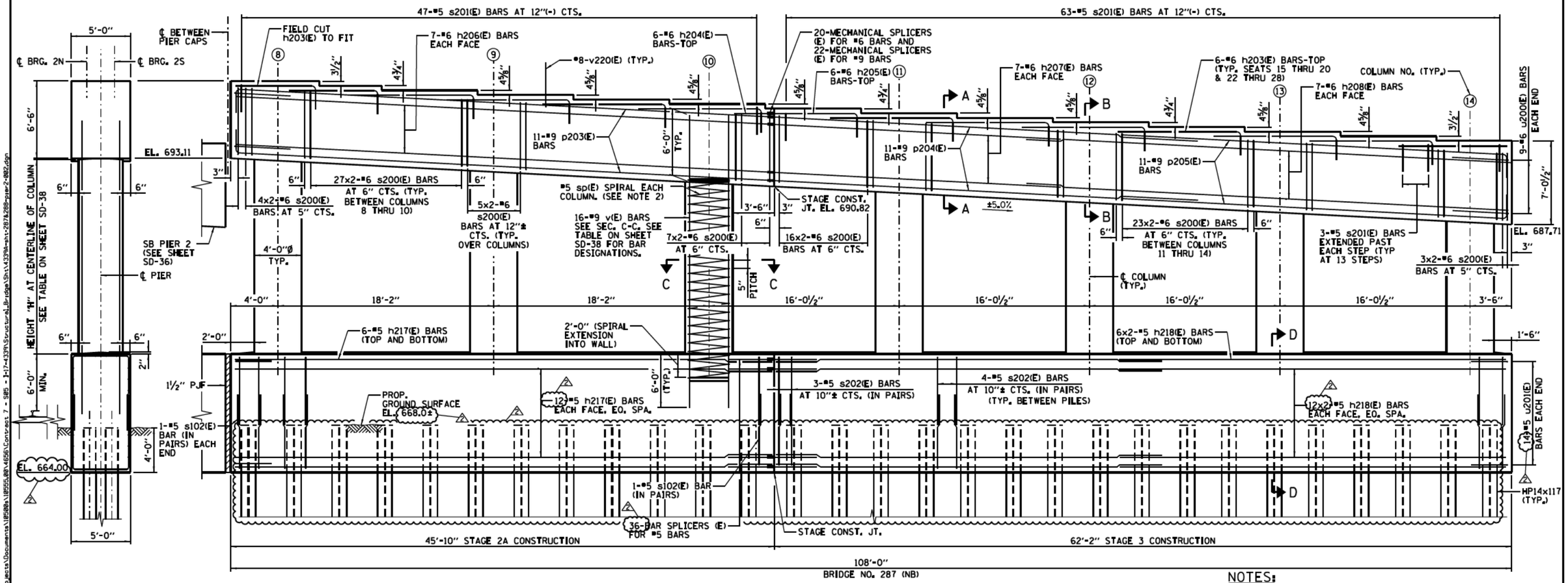
4339h-sht-287&288-pier2-001.dgn
32329



TOP PLAN



END VIEW

PILE DATA

PILE TYPE AND SIZE:	STEEL HP14x117 W/PILE SHOES
NOMINAL REQUIRED BEARING:	929 KIPS
FACTORED RESISTANCE AVAILABLE:	511 KIPS
ESTIMATED PILE LENGTH:	83 FEET
NO. OF PRODUCTION PILES:	28
NO. OF TEST PILES:	1 (PILE NO. D-31)

ELEVATION - NB PIER 2

(LOOKING UPSTATION)

NOTES:

1. SEE SHEET SD-38 FOR PIER NOTES AND SEAT ELEVATIONS.
2. PROVIDE 1½ EXTRA TURNS TOP AND BOTTOM. EXTEND SPIRAL 2" MIN. INTO PIER CAP. PROVIDE MIN. 4-#4 SPACERS OR EQUIVALENT. SEE TABLE ON SHEET SD-38 FOR SPIRAL DESIGNATIONS.
3. COORDINATE CONSTRUCTION OF PIER 2 NB OUTSIDE H-PILES WITH CONSTRUCTION OF RAMP S2 BRIDGE PIER 3.
4. SEE SHEET SD-16 FOR FULL PILE LAYOUT.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

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2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

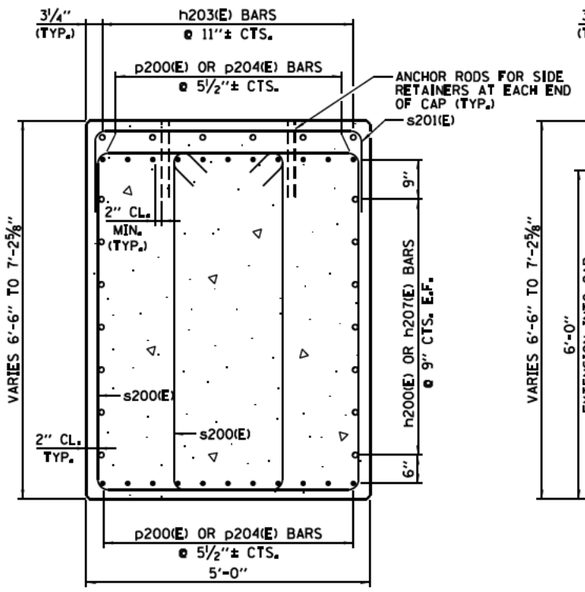
CONTRACT NO. I-17-4339

I-294 OVER UPRR (BN 287 & 288) PIER 2 PLAN AND ELEVATION – NORTHBOUND

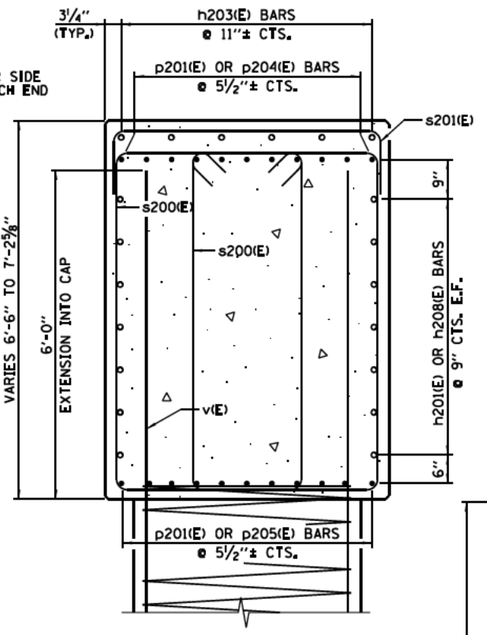
SHT NO. SD-37

DRAWING NO. 705 OF 1740

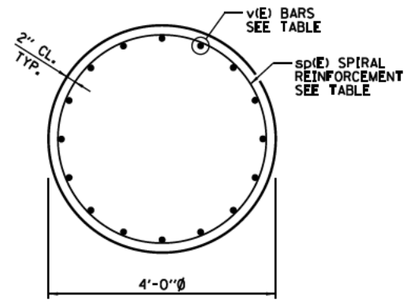
p:\benesch\pwset\benesch_local\Benesch_Projects\Documents\18588\A\18588_001V4656\Contract_7 - 585 - 1-17-4339\Structural_Bridge\Sht\4339A-sht-287&288-pier-2-002.dgn
4339A-sht-287&288-pier-2-002.dgn
32329



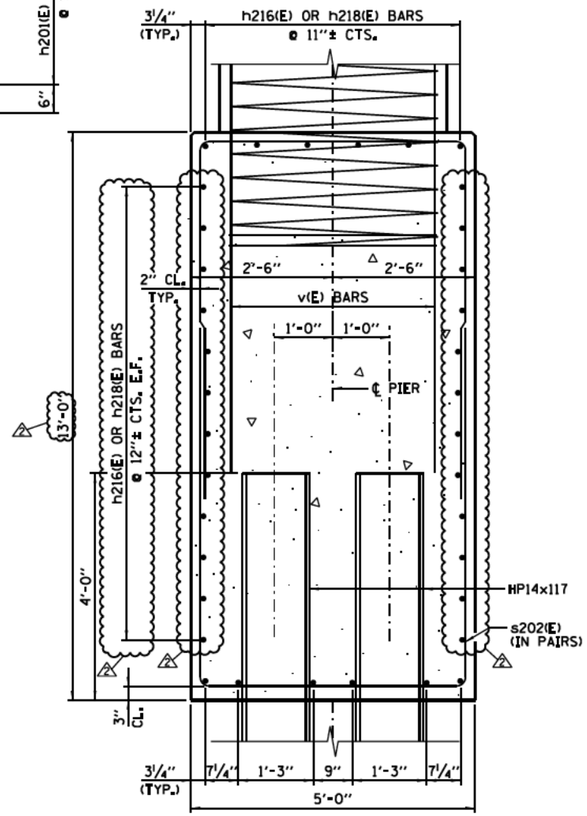
SECTION A-A



SECTION B-B



SECTION C-C



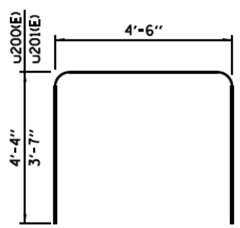
SECTION D-D

	SEAT DIMENSIONS - PIER 2 SOUTHBOUND													
BEAM	1	2	3	4	5	6	7	8	9	10	11	12	13	14
ELEVATION	699.16	698.87	698.50	698.12	697.75	697.38	697.00	696.63	696.26	695.88	695.51	695.13	694.76	694.49

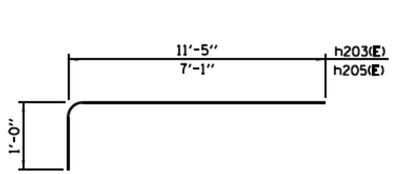
COLUMN INFORMATION - PIER 2 SOUTHBOUND							
COLUMN	1	2	3	4	5	6	7
T/COLUMN ELEV.	692.49	691.68	690.88	690.07	689.27	688.37	687.47
HEIGHT	15'-5⅞"	14'-8⅛"	13'-10½"	13'-0⅞"	12'-3¼"	11'-4½"	10'-5⅝"
VERTICAL BAR DESIGNATION	v201(E)	v202(E)	v203(E)	v204(E)	v205(E)	v206(E)	v207(E)
SPIRAL BAR DESIGNATION	sp201(E)	sp202(E)	sp203(E)	sp204(E)	sp205(E)	sp206(E)	sp207(E)

	SEAT DIMENSIONS - PIER 2 NORTHBOUND													
BEAM	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ELEVATION	699.61	699.31	698.93	698.54	698.15	697.76	697.37	696.99	696.60	696.21	695.82	695.43	695.04	694.75

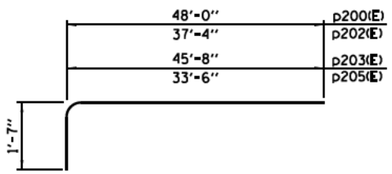
COLUMN INFORMATION - PIER 2 NORTHBOUND							
COLUMN	8	9	10	11	12	13	14
T/COLUMN ELEV.	692.91	692.00	691.09	690.29	689.49	688.69	687.89
HEIGHT	15'-11"	15'-0"	14'-1⅛"	13'-3½"	12'-5⅞"	11'-8¼"	10'-10⅝"
VERTICAL BAR DESIGNATION	v208(E)	v209(E)	v210(E)	v211(E)	v212(E)	v213(E)	v214(E)
SPIRAL BAR DESIGNATION	sp208(E)	sp209(E)	sp210(E)	sp211(E)	sp212(E)	sp213(E)	sp214(E)



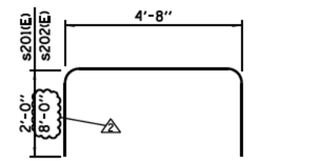
BAR u200(E), u201(E)



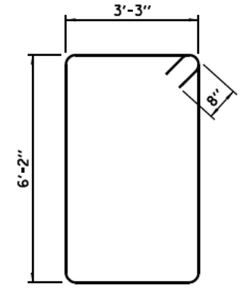
BAR h203(E), h205(E)



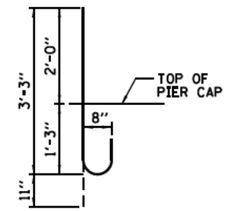
BAR p200(E), p202(E), p203(E), p205(E)



BAR s201(E), s202(E)



BAR s200(E)



BAR v220(E)

BILL OF MATERIAL BRIDGE NO. 287 (NB)

	BAR	No.	SIZE	LENGTH	SHAPE
	h203(E)	78	#6	12'-5"	
	h204(E)	6	#6	4'-4"	
	h205(E)	6	#6	8'-1"	
	h206(E)	14	#6	45'-8"	
	h207(E)	14	#6	24'-6"	
	h208(E)	14	#6	42'-0"	
	h217(E)	36	#5	45'-6"	
	h218(E)	72	#5	32'-10"	
	p203(E)	22	#9	47'-3"	
	p204(E)	22	#9	39'-0"	
	p205(E)	22	#9	35'-1"	
	s200(E)	376	#6	20'-2"	
	s201(E)	149	#5	8'-8"	
	s202(E)	220	#5	20'-8"	
**	sp208(E)	1	#5	18'-2"	
**	sp209(E)	1	#5	17'-4"	
**	sp210(E)	1	#5	16'-5"	
**	sp211(E)	1	#5	15'-7"	
**	sp212(E)	1	#5	14'-9"	
**	sp213(E)	1	#5	14'-0"	
**	sp214(E)	1	#5	13'-2"	
	u200(E)	18	#6	13'-2"	
	u201(E)	28	#5	11'-8"	
	v208(E)	16	#9	28'-0"	
	v209(E)	16	#9	27'-2"	
	v210(E)	16	#9	26'-3"	
	v211(E)	16	#9	25'-5"	
	v212(E)	16	#9	24'-7"	
	v213(E)	16	#9	23'-10"	
	v214(E)	16	#9	23'-0"	
	v220(E)	78	#8	4'-2"	
	STRUCTURE EXCAVATION		CU YD		257
	CONCRETE STRUCTURES		CU YD		438.9
	REINFORCEMENT BARS, EPOXY COATED		POUND		49,180
2	FURNISHING STEEL PILES HP14x117		FOOT		2,324
	DRIVING PILES		FOOT		2,324
	TEST PILE STEEL HP14x117		EACH		1

BILL OF MATERIAL BRIDGE NO. 288 (SB)

	BAR	No.	SIZE	LENGTH	SHAPE
	h200(E)	14	#6	49'-10"	
	h201(E)	14	#6	25'-2"	
	h202(E)	14	#6	37'-4"	
	h203(E)	78	#6	12'-5"	
	h204(E)	6	#6	4'-4"	
	h205(E)	6	#6	8'-1"	
	h215(E)	72	#5	37'-6"	
	h216(E)	36	#5	37'-2"	
	p200(E)	22	#9	49'-7"	
	p201(E)	22	#9	33'-0"	
	p202(E)	22	#9	38'-11"	
	s200(E)	376	#6	20'-2"	
	s201(E)	148	#5	8'-8"	
	s202(E)	220	#5	20'-8"	
**	sp201(E)	1	#5	17'-9"	
**	sp202(E)	1	#5	17'-0"	
**	sp203(E)	1	#5	16'-2"	
**	sp204(E)	1	#5	15'-4"	
**	sp205(E)	1	#5	14'-7"	
**	sp206(E)	1	#5	13'-8"	
**	sp207(E)	1	#5	12'-9"	
	u200(E)	18	#6	13'-2"	
	u201(E)	28	#5	11'-8"	
	v201(E)	16	#9	27'-7"	
	v202(E)	16	#9	26'-10"	
	v203(E)	16	#9	26'-0"	
	v204(E)	16	#9	25'-2"	
	v205(E)	16	#9	24'-5"	
	v206(E)	16	#9	23'-6"	
	v207(E)	16	#9	22'-7"	
	v220(E)	78	#8	4'-2"	
	STRUCTURE EXCAVATION		CU YD		259
	CONCRETE STRUCTURES		CU YD		442.1
	REINFORCEMENT BARS, EPOXY COATED		POUND		49,040
2	FURNISHING STEEL PILES HP14x117		FOOT		2,464
	DRIVING PILES		FOOT		2,464
	TEST PILE STEEL HP14x117		EACH		1

CAST STEPS MONOLITHICALLY WITH CAP. SPACE CAP REINFORCEMENT TO MISS ANCHOR RODS. MINIMUM LAP FOR SPIRALS = 3'-4"

** LENGTH IS HEIGHT OF SPIRAL.

MINIMUM BAR LAPS

#5 BARS = 3'-7"
#6 BARS = 4'-4"
#9 BARS = 10'-4"

NOTES:

1. SEE ELECTRICAL PLANS FOR PIER MOUNTED LIGHTING DETAILS. ELECTRICAL CONTRACTOR SHALL COORDINATE ANY CONCRETE DRILLING AND/OR CONDUIT ANCHORAGE REQUIRED WITH THE BRIDGE CONTRACTOR TO ENSURE PIER REINFORCEMENT IS NOT DAMAGED DURING INSTALLATION.
2. SEE SHEET SD-73 FOR ANCHOR ROD AND v220(E) LOCATIONS.

DRAWN BY MLONGFIELD DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
I-294 OVER UPRR (BN 287 & 288)
PIER 2
DETAILS

SHT NO. SD-38
DRAWING NO. 706 OF 1740

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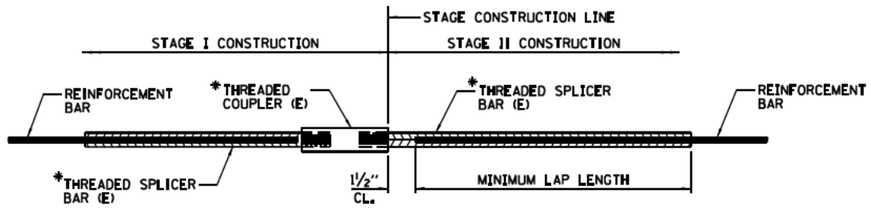
4339A-sht-287&288-pier2-003.dgn
32329

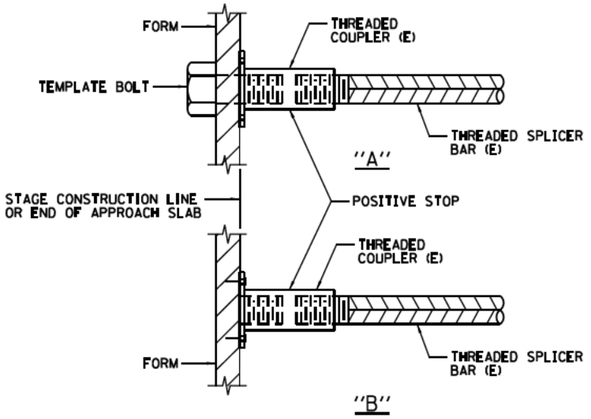


STANDARD BAR SPLICER ASSEMBLY

THREADED SPLICER BAR LENGTH = MIN. LAP LENGTH + 1½" + THREAD LENGTH, UNO.

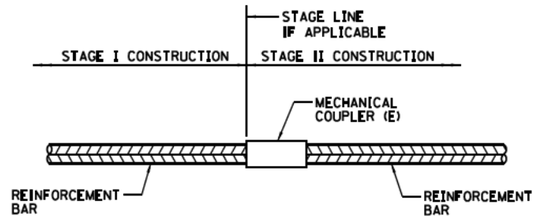
* EPOXY NOT REQUIRED ON BAR SPLICER ASSEMBLY COMPONENTS USED IN CONJUNCTION WITH BLACK BARS.

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED	MINIMUM LAP LENGTH
SB S. ABUTMENT	#8	8	5'-9"
SB S. ABUTMENT	#5	6	3'-7"
NB S. ABUTMENT	#8	10	5'-9"
NB S. ABUTMENT	#5	10	3'-7"
SB N. ABUTMENT	#8	10	5'-9"
SB N. ABUTMENT	#5	6	3'-7"
NB N. ABUTMENT	#8	10	5'-9"
NB N. ABUTMENT	#5	10	3'-7"
SB S. APPR. BENT	#5	10	3'-7"
SB N. APPR. BENT	#5	10	3'-7"
NB S. APPR. BENT	#5	10	3'-7"
NB N. APPR. BENT	#5	10	3'-7"
SB PIER 1	#5	36	3'-7"
SB PIER 2	#5	36	3'-7"
NB PIER 1	#5	36	3'-7"
NB PIER 2	#5	36	3'-7"



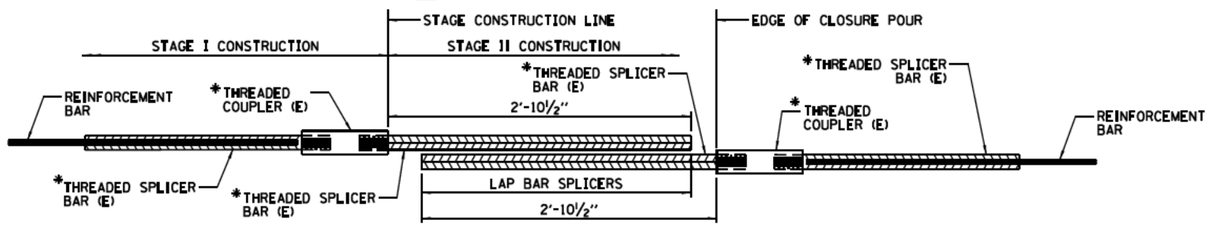
INSTALLATION AND SETTING METHODS

"A" = SET BAR SPLICER ASSEMBLY BY MEANS OF A TEMPLATE BOLT.
"B" = SET BAR SPLICER ASSEMBLY BY NAILING TO WOOD FORMS OR CEMENTING TO STEEL FORMS.
(E) = INDICATES EPOXY COATING.



STANDARD MECHANICAL SPLICER

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED
SB PIER 1	#6	20
SB PIER 1	#9	22
SB PIER 2	#6	20
SB PIER 2	#9	22
NB PIER 1	#6	20
NB PIER 1	#9	22
NB PIER 2	#6	20
NB PIER 2	#9	22
SB PIER 1 (DIAPHRAGM)	#6	10
SB PIER 2 (DIAPHRAGM)	#6	10
NB PIER 1 (DIAPHRAGM)	#6	10
NB PIER 2 (DIAPHRAGM)	#6	10
SB S. ABUT. (DIAPHRAGM)	#6	12
SB N. ABUT. (DIAPHRAGM)	#6	12
NB S. ABUT. (DIAPHRAGM)	#6	12
NB N. ABUT. (DIAPHRAGM)	#6	12



DECK CLOSURE POUR - BAR SPLICER ASSEMBLY

THREADED SPLICER BAR LENGTH = MIN. LAP LENGTH + 1½" + THREAD LENGTH, UNO.

* EPOXY NOT REQUIRED ON BAR SPLICER ASSEMBLY COMPONENTS USED IN CONJUNCTION WITH BLACK BARS.

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED	MINIMUM LAP LENGTH
SB DECK	#5	2,238	3'-6"
NB DECK	#5	2,258	3'-6"

NOTES:

1. SPLICER BARS SHALL BE DEFORMED WITH THREADED ENDS AND HAVE A MINIMUM 60 KSI YIELD STRENGTH.
2. ALL REINFORCEMENT SHALL BE LAPPED AND TIED TO THE SPLICER BARS
3. BAR SPLICER ASSEMBLIES SHALL BE EPOXY COATED ACCORDING TO THE REQUIREMENTS FOR REINFORCEMENT BARS. SEE SECTION 508 OF THE STANDARD SPECIFICATIONS.
4. SEE APPROVED LIST OF BAR SPLICER ASSEMBLIES AND MECHANICAL SPLICERS FOR ALTERNATIVES.

pw:\\benesch.us\benesch.local\Benesch_Projects\Documents\185003\185003.00\4656\Contract 7 - SBS - I-17-433S\Structural_Bridge\Sht\43398-sht-287&288-bar-splice.dgn

DRAWN BY AYOUSIF DATE 04/30/2020
CHECKED BY SWOJTECZKO DATE 04/30/2020

benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-433S
I-294 OVER UP&R (BN 287 & 288)
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

SHT NO. SD-90
DRAWING NO. 758 OF 1740

43398-sht-287&288-barsplice.dgn
32329

BENCHMARK: CHISELED "X" ON S.E. FLANGE BOLT OF LAST FIRE HYDRANT ON WEST SIDE OF NORTH END OF GARNET DR. (DEAD END NEXT TO NB I-294).

EXISTING STRUCTURE: NONE

PROPOSED STRUCTURE: BRIDGE NO. 1658 IS A RAMP CARRYING SB I-490 TO SB I-294 OVER UNION PACIFIC RAILROAD. THE BRIDGE IS 1,192'-6" BACK-TO-BACK ABUTMENTS, CONSISTING OF 6-SPAN CONTINUOUS HORIZONTALLY CURVED STEEL PLATE GIRDERS WITH AN 8" CONCRETE DECK. THE SUPERSTRUCTURE IS SUPPORTED ON CAST-IN-PLACE CONCRETE PIERS AND ABUTMENTS FOUNDED ON STEEL H-PILES.

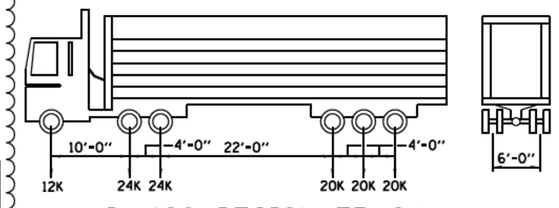
TRAFFIC CONTROL: I-294 TRAFFIC TO BE MAINTAINED USING STAGED CONSTRUCTION.

UP TO 1/4" MAY BE GROUND OFF THE BRIDGE DECK, BRIDGE APPROACH SLABS, AND TRANSITION APPROACH SLABS.

*A: ℄ PROP. M/L TRK. 1 & ℄ EXIST. TRK. 2
*B: ℄ PROP. M/L TRK. 2 & ℄ EXIST. TRK. 1
D: ℄ PROP. TRK. 730
G: ℄ PROP. YARD 9 BYPASS
J: ℄ TEMP. TRK. 730

*EXISTING AND PROPOSED TRACK ALIGNMENTS MAY DEVIATE SLIGHTLY FROM ONE ANOTHER UNDER BRIDGE. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING.

NOTE: ALL TEMPORARY AND PROPOSED TRACK WORK IS PART OF UP-01 CONTRACT. ALL WORK SHALL BE COORDINATED WITH UP-01 CONTRACTOR.



IL-120 DESIGN TRUCK

STRUCTURE RATING

(HL-93)

LIMIT STATE		DESIGN LOAD RATING INVENTORY	OPERATING
STRENGTH I	FLEXURE	1.37	1.77
	SHEAR	1.29	1.67
SERVICE II	FLEXURE	1.87	2.43

DESIGN SPECIFICATIONS

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION WITH 2015 & 2016 INTERIM REVISIONS

ISTHA STRUCTURE DESIGN MANUAL, MARCH 2019

IDOT BRIDGE MANUAL, JANUARY 2012

ISTHA GEOTECHNICAL ENGINEER'S MANUAL, MARCH 2019

IDOT ALL BRIDGE DESIGNERS MEMORANDUMS

AREMA MANUAL FOR RAILWAY ENGINEERING, 2017 EDITION

UPRR-BNSF RAILWAY GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS, MAY 2016

CONSTRUCTION SPECIFICATIONS

ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016

ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ISSUED APRIL 5, 2019

ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2020

ILLINOIS DEPARTMENT OF TRANSPORTATION GUIDE BRIDGE SPECIAL PROVISIONS (GBSP)

LOADING HL-93 & IL-120

ALLOW 50 #/SQ. FT. FOR FUTURE WEARING SURFACE

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 PSI CLASS SI AND MASS CONCRETE (SUBSTRUCTURE)
f'c = 4,000 PSI CLASS BS (PARAPETS AND BARRIERS)
f'c = 4,000 PSI PERFORMANCE MIX (BRIDGE DECKS, BRIDGE APPROACH SLABS, AND TRANSITION APPROACH SLABS)
fy = 60,000 PSI (REINFORCEMENT)
fy = 50,000 PSI (M270 GRADE 50)

LIVE LOAD DEFLECTION

LIVE LOAD DEFLECTION < SPAN LENGTH/800

SEISMIC CRITERIA

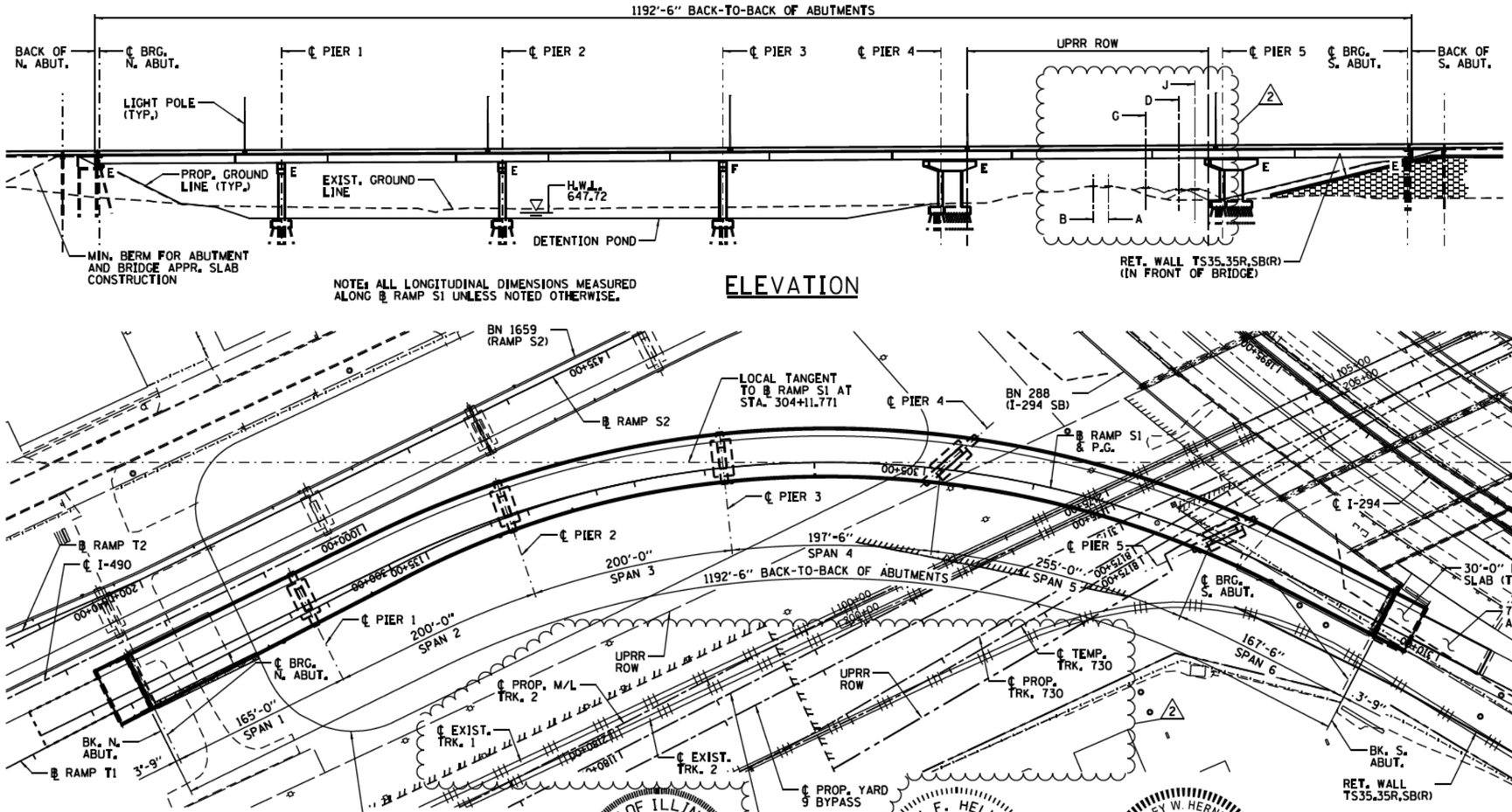
SEISMIC PERFORMANCE ZONE (SPZ) = 1
DESIGN SPECTRAL ACCELERATION AT 1.0 SEC. (SD1) = 0.086G
DESIGN SPECTRAL ACCELERATION AT 0.2 SEC. (SDS) = 0.149G
SOIL SITE CLASS = D

HIGHWAY CLASSIFICATION

F.A.I. ROUTE 294 (I-294) TO F.A.I. ROUTE 490 (I-490)
FUNCTIONAL CLASS: INTERSTATE
ADT: 23,750 (2040)
DHV: 2,429 (2040)
ADT: 1,900 (2040)
DESIGN SPEED: 50 MPH
POSTED SPEED: 45 MPH

RAILROAD INFORMATION

RAILROAD OWNER: UNION PACIFIC RAILROAD
NO. TRAINS: 6 (6 AM TO 6 PM); 6 (6 PM TO 6 AM)
TRAIN TYPE: FREIGHT
MILEPOST: 3.03
SUBDIVISION: MILWAUKEE
MUNICIPALITY: FRANKLIN PARK/NORTHLAKE, IL
COORDINATES: 41°56'12" N, 87°54'52" W

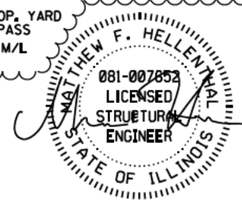


ELEVATION

NOTE: ALL LONGITUDINAL DIMENSIONS MEASURED ALONG ℄ RAMP S1 UNLESS NOTED OTHERWISE.

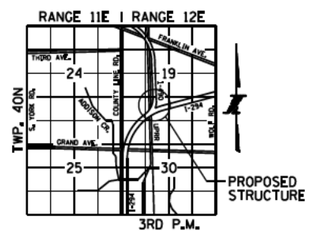
PLAN

EXPIRATION DATE 11-30-2020
DATE: 04-30-2020
SE-25 THRU SE-43, SE-49 THRU SE-54



EXPIRATION DATE 11-30-2020
DATE: 04-30-2020
SHEETS: SE-1 THRU SE-13, SE-16 THRU SE-18, SE-29 THRU SE-56, SE-73, SE-76 THRU SE-78, SE-80 THRU SE-93

EXPIRATION DATE 11-30-2020
DATE: 04-30-2020
SHEETS: SE-14, SE-15, SE-19 THRU SE-24, SE-57 THRU SE-72, SE-74, SE-75, SE-78, SE-79



LOCATION SKETCH

LEGEND

—— —— OR —·—·— ROW
TEMPORARY EASEMENT
PERMANENT EASEMENT

GENERAL PLAN AND ELEVATION
RAMP S1 OVER UPRR
F.A.I. ROUTE 490 TO F.A.I ROUTE 294
COOK COUNTY
STATION 304+11.77
ISTHA BN 1658
IDOT SN 016-9201
FRA SN 973910H

DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY DSCHRIKS DATE 04/30/2020

benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

RAMP S1 (BN 1658)
GENERAL PLAN AND ELEVATION
(1 OF 3)

SHT NO. SE-1

DRAWING NO. 776 OF 1740

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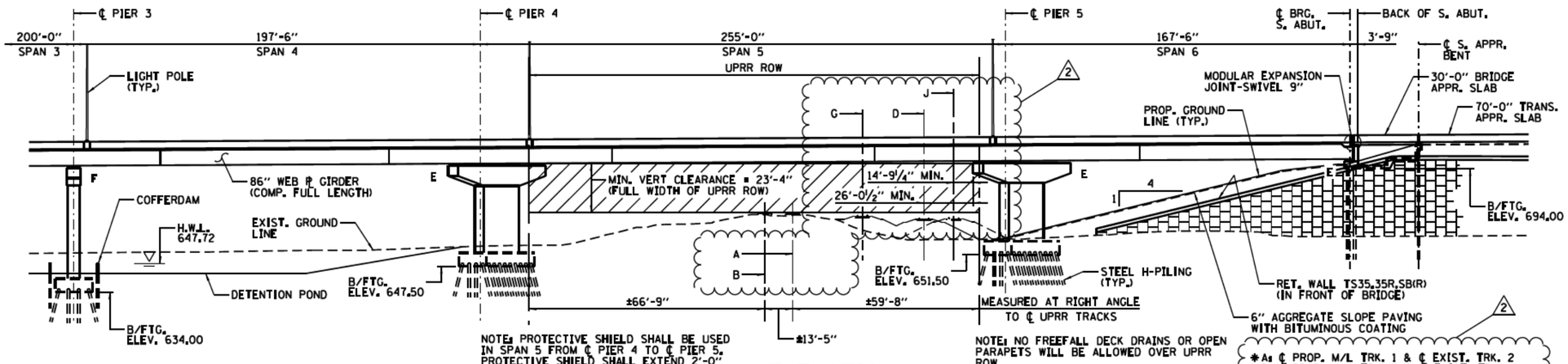

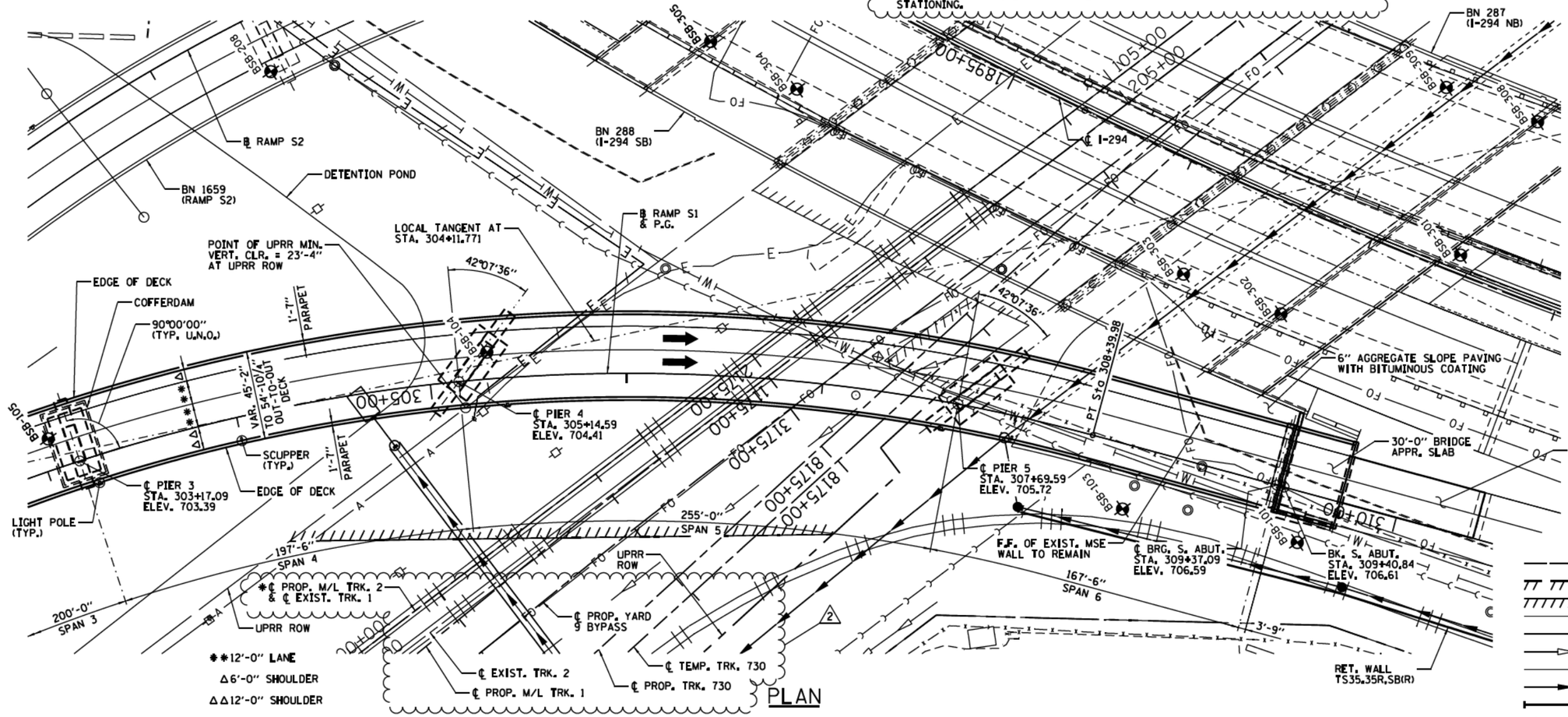

PLAN

DRAWN BY MHELLENTHAL	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. 2 DATE 5/19/20 DESCRIPTION ADDENDUM NO. 2	CONTRACT NO. I-17-4339
CHECKED BY DSCHRIKS	DATE 04/30/2020				RAMP S1 (BN 1658) GENERAL PLAN AND ELEVATION (3 OF 3)

SHT NO. SE-3
DRAWING NO. 778 OF 1740

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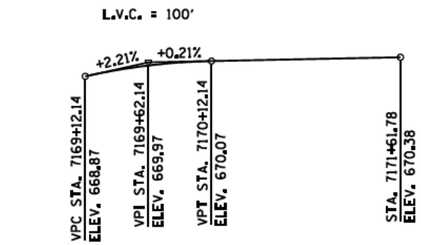
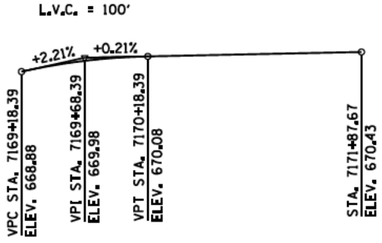


TOP OF RAIL
(PROP. TRACK 727)



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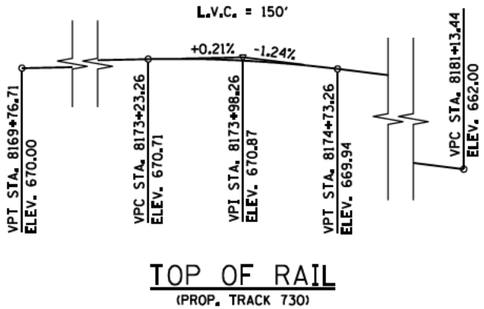

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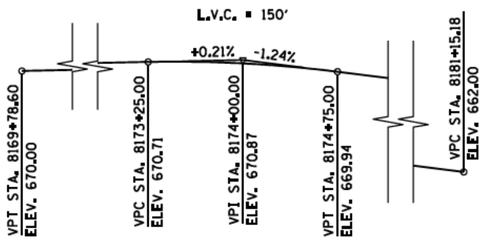
(PROP. TRACK 730)



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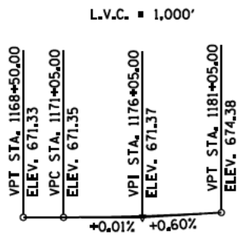

TOP OF RAIL
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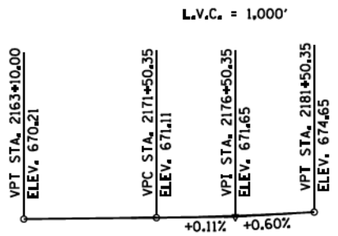
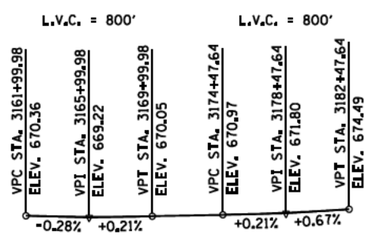


TOP OF RAIL
(PROP. M/L TRACK 2)



TOP OF RAIL
(PROP. YARD 9 BYPASS)

TOTAL BILL OF MATERIAL

PAY ITEM NO.	ITEM	UNIT	SUPER	SUB	TOTAL	RECORD QUANTITY
28100107	STONE RIPRAP, CLASS A4	SQ YD		77	77	
28200200	FILTER FABRIC	SQ YD		128	128	
50157300	PROTECTIVE SHIELD	SQ YD	1,394		1,394	
50200100	STRUCTURE EXCAVATION	CU YD		480	480	
50200300	COFFERDAM EXCAVATION	CU YD		1,056	1,056	
50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH		1	1	
50201125	COFFERDAM (TYPE 2) (LOCATION - 5)	EACH		1	1	
50201126	COFFERDAM (TYPE 2) (LOCATION - 6)	EACH		1	1	
50300225	CONCRETE STRUCTURES	CU YD		230.9	230.9	
50300254	RUBBED FINISH	SQ FT		10,584	10,584	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	389.5		389.5	
50300265	SEAL COAT CONCRETE	CU YD		271.5	271.5	
50300280	CONCRETE ENCASEMENT	CU YD		16.5	16.5	
50300285	FORM LINER TEXTURED SURFACE	SQ FT		6,521	6,521	
50300300	PROTECTIVE COAT	SQ YD	7,070		7,070	
50500505	STUD SHEAR CONNECTORS	EACH	23,156		23,156	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	610,330	400,970	1,011,300	
50800515	BAR SPLICERS	EACH		103	103	
51201600	FURNISHING STEEL PILES HP12X53	FOOT		1,481	1,481	
51201900	FURNISHING STEEL PILES HP14X89	FOOT		2,934	2,934	
51202100	FURNISHING STEEL PILES HP14X117	FOOT		10,990	10,990	
51202305	DRIVING PILES	FOOT		15,405	15,405	
51203600	TEST PILE STEEL HP12X53	EACH		2	2	
51203900	TEST PILE STEEL HP14X89	EACH		2	2	
51204100	TEST PILE STEEL HP14X117	EACH		5	5	
51204650	PILE SHOES	EACH		225	225	
52100510	ANCHOR BOLTS, 3/4"	EACH		48	48	
52100530	ANCHOR BOLTS, 1 1/4"	EACH		96	96	
52100560	ANCHOR BOLTS, 2"	EACH		24	24	
58700300	CONCRETE SEALER	SQ FT		1,587	1,587	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD		60	60	
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	5,939		5,939	
X5210120	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K	EACH	12		12	
X5210210	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 700K	EACH	12		12	
X5210240	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 900K	EACH	12		12	
X5210355	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 650K	EACH	6		6	
Z0034809	MODULAR EXPANSION JOINT-SWIVEL 9"	FOOT	100.5		100.5	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		73	73	
Z0065704	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD		1,402	1,402	
JI420040	BRIDGE APPROACH SLAB	SQ YD	335		335	
JI420041	TRANSITION APPROACH SLAB	SQ YD	187		187	
JI503010	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE	CU YD	1,673.6		1,673.6	
JI503230	MASS CONCRETE STRUCTURES	CU YD		2,314.6	2,314.6	
JI505232	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 2	L SUM	1		1	
JS120801	SCUPPER, DS-12	EACH	7		7	
JS503160	DIAMOND GRINDING AND SURFACE SMOOTHNESS FOR BRIDGE SECTIONS	SQ YD	5,771		5,771	
JT210001	POROUS GRANULAR BACKFILL	CU YD		163	163	
JT525125	BONDED PREFORMED JOINT SEAL, 2 IN.	FOOT	24		24	

DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY AKEASCHALL DATE 04/30/2020

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DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
RAMP S1 (BN 1658)
INDEX OF SHEETS AND
TOTAL BILL OF MATERIAL

SHT NO. SE-4
DRAWING NO. 779 OF 1740

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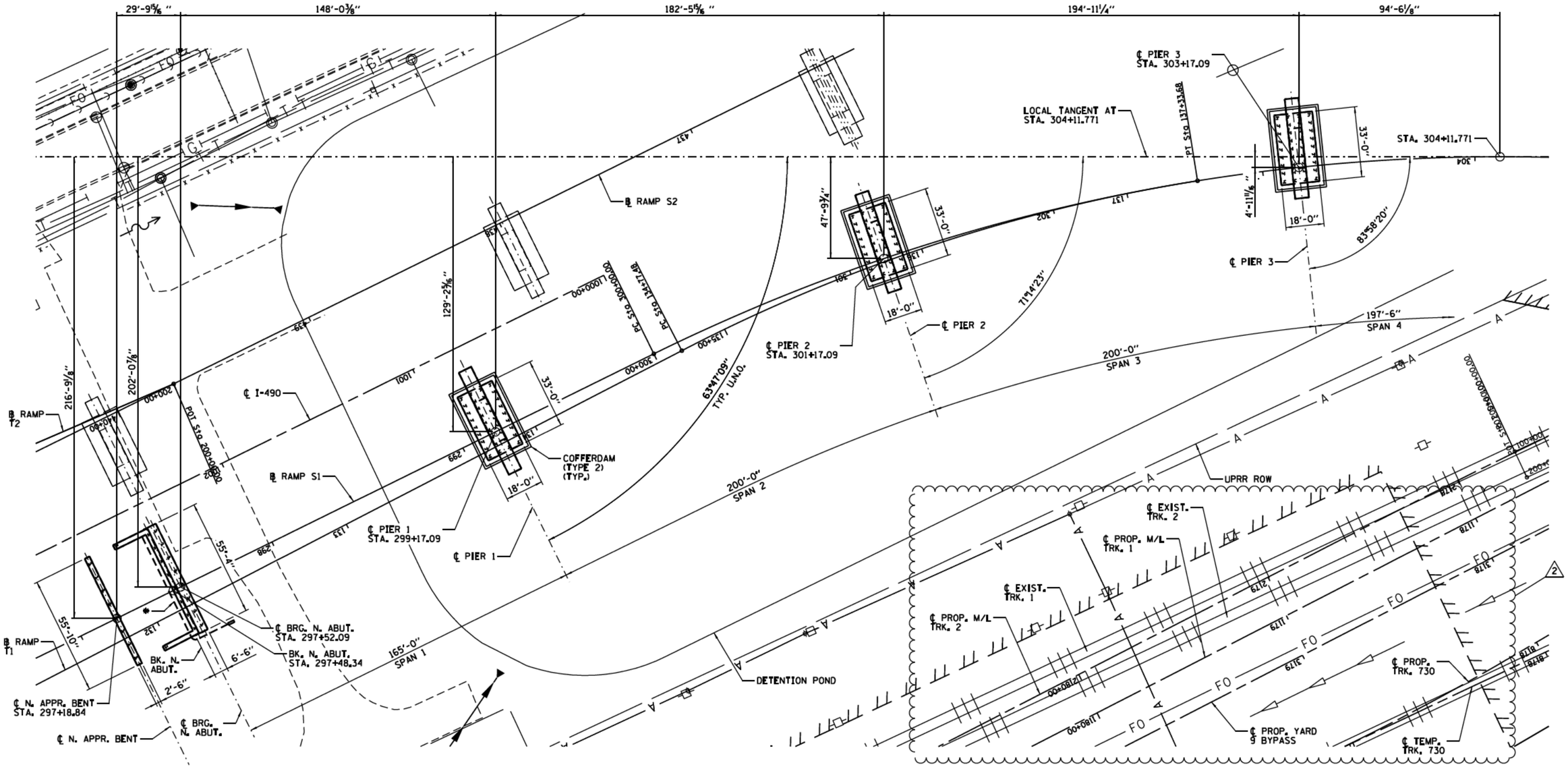

*4" Ø PERFORATED PIPE UNDERDRAIN (SEE SHEETS SE-6 AND SE-9 FOR LAYOUT AND DETAILS).

PLAN - SPANS 1-3

NOTES:

1. FOR FOOTING LAYOUT, SEE SHEET SE-9.

LEGEND

- OR ROW
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- E — EXIST. ELECTRIC LINE
- FO — EXIST. FIBER OPTIC
- EXIST. STORM SEWER
- A — EXIST. AERIAL LINE
- PROP. STORM SEWER
- W — PROP. WATER MAIN
- PROP. SANITARY SEWER

DRAWN BY MHELLENTHAL	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY DSCHRIKS	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

SHT NO. SE-7

RAMP S1 (BN 1658)
SUBSTRUCTURE LOCATION
PLAN (1 OF 3)

DRAWING NO. 782 OF 1740

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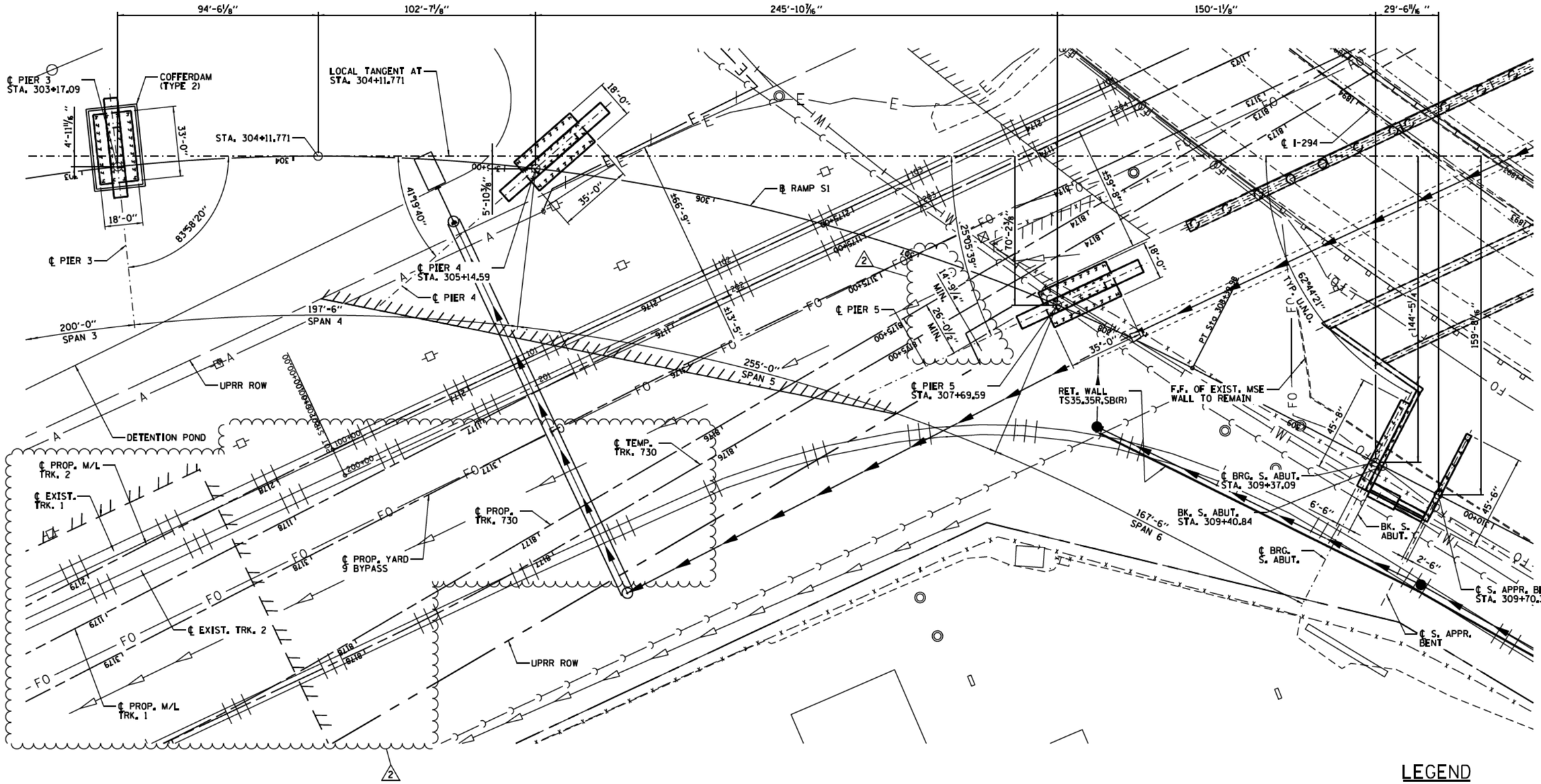

PLAN - SPANS 4-6

NOTES:

1. FOR FOOTING LAYOUT, SEE SHEET SE-9.

LEGEND

- OR ROW
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- E EXIST. ELECTRIC LINE
- FO EXIST. FIBER OPTIC
- EXIST. STORM SEWER
- A EXIST. AERIAL LINE
- PROP. STORM SEWER
- W PROP. WATER MAIN
- PROP. SANITARY SEWER

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ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

SHT NO. SE-8

RAMP S1 (BN 1658)
SUBSTRUCTURE LOCATION
PLAN (2 OF 3)

DRAWING NO.
783 OF 1740

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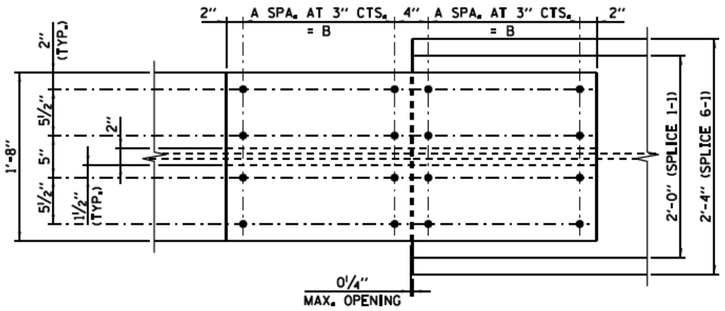
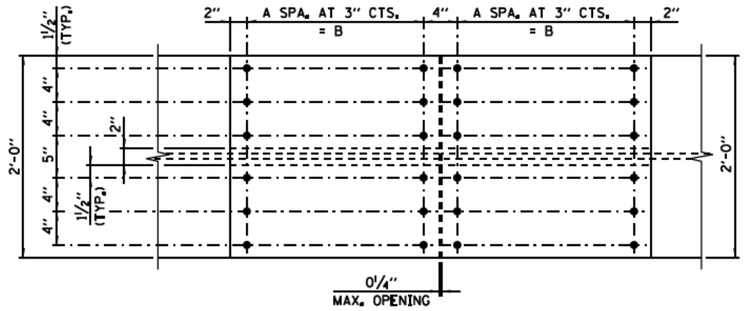
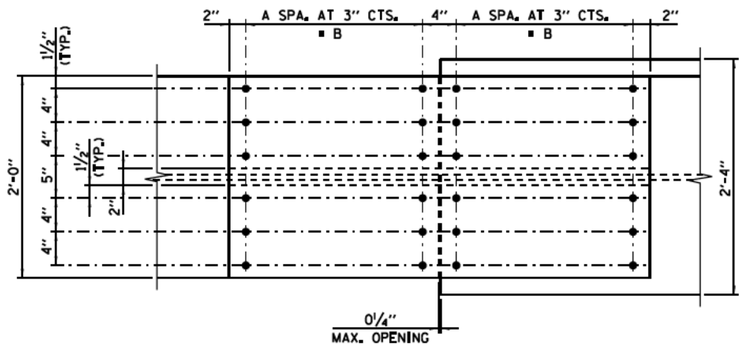


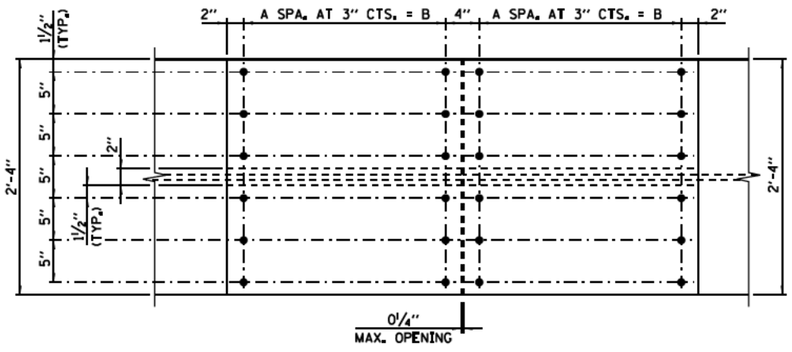
TYPE I FLANGE SPLICE
(TOP AND BOTTOM FLANGES)



TYPE II FLANGE SPLICE
(TOP AND BOTTOM FLANGES)



TYPE III FLANGE SPLICE
(TOP AND BOTTOM FLANGES)

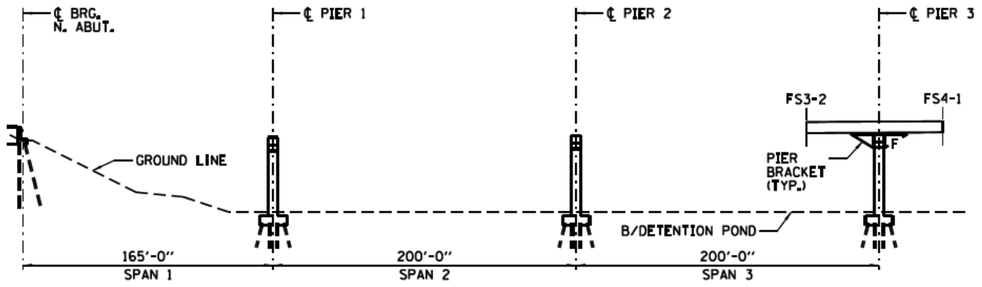


TYPE IV FLANGE SPLICE
(TOP AND BOTTOM FLANGES)

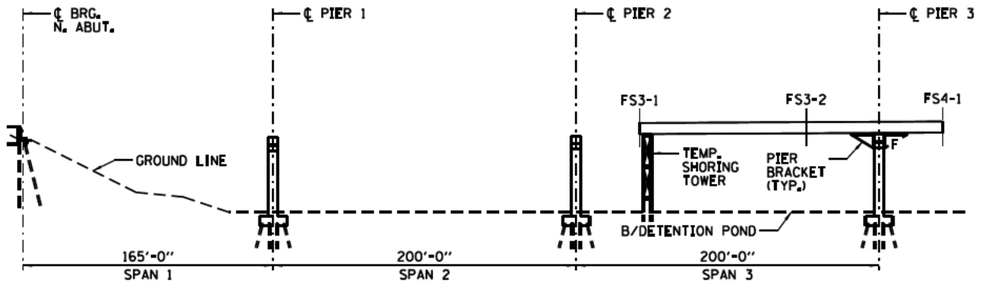
NOTES:
1. WORK THIS SHEET WITH SHEET SE-39.

SPLICE TABLE

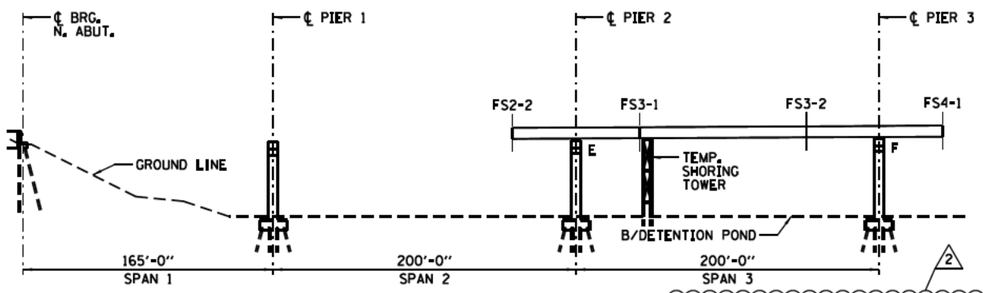
SPLICE LOCATION (GIRDERS G1-G3)	TOP FLANGE							BOTTOM FLANGE						
	TYPE	OUTER FLANGE PL	INNER FLANGE PL	FILL PL	A	B	NO. BOLTS	TYPE	OUTER FLANGE PL	INNER FLANGE PL	FILL PL	A	B	NO. BOLTS
FIELD SPLICE 1-1	I	½"x20"x2'-2"	2 - ½"x9"x2'-2"	⅛"x20"x1'-0⅞"	3	9"	32	I	¾"x20"x3'-8"	2 - ¾"x9"x3'-8"	⅛"x20"x1'-9⅞"	6	1'-6"	56
FIELD SPLICE 2-1	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48	II	½"x24"x2'-8"	2 - ½"x11"x2'-8"	⅜"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 2-2	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	⅛"x24"x1'-0⅞"	3	9"	48	II	¾"x24"x2'-8"	2 - ¾"x11"x2'-8"	½"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 3-1	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	¼"x24"x1'-0⅞"	3	9"	48	II	⅝"x24"x2'-8"	2 - ⅝"x11"x2'-8"	⅜"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 3-2	II	½"x24"x2'-8"	2 - ½"x11"x2'-8"	--	4	1'-0"	60	II	⅝"x24"x2'-8"	2 - ⅝"x11"x2'-8"	⅛"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 4-1	III	½"x24"x2'-8"	2 - ½"x11"x2'-8"	¼"x24"x1'-3⅞"	4	1'-0"	60	III	¾"x24"x2'-8"	2 - ¾"x11"x2'-8"	⅛"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 4-2	IV	⅝"x28"x4'-8"	2 - ⅝"x13"x4'-8"	¾"x28"x2'-3⅞"	8	2'-0"	108	IV	1⅛"x28"x5'-2" /2	2 - 1⅛"x13"x5'-2" /2	1"x28"x2'-6⅞" /2	9/2	2'-3" /2	120/2
FIELD SPLICE 5-1	IV	⅝"x28"x3'-8" /2	2 - ⅝"x13"x3'-8" /2	¾"x28"x1'-9⅛" /2	6	1'-6"	84	IV	⅞"x28"x5'-2"	2 - ⅞"x13"x5'-2"	½"x28"x2'-6⅛"	(9)	(2'-3")	(120)
FIELD SPLICE 5-2	IV	⅝"x28"x3'-8"	2 - ⅝"x13"x3'-8"	½"x24"x1'-9⅛"	(6)	(1'-6")	(84)	IV	⅞"x28"x4'-2"	2 - ⅞"x13"x4'-2"	⅛"x24"x2'-0⅛"	7	1'-9"	96
FIELD SPLICE 6-1	I	(1⅜"x20"x6'-2") /2	2 - 1⅜"x9"x6'-2" /2	⅝"x20"x3'-0⅞" /2	11 /2	2'-9" /2	96	I	1¼"x20"x6'-8"	2 - 1¼"x9"x6'-8"	⅝"x20"x3'-3⅛"	12	3'-0"	104
SPLICE LOCATION (GIRDERS G4-G6)	TOP FLANGE							BOTTOM FLANGE						
	TYPE	OUTER FLANGE PL	INNER FLANGE PL	FILL PL	A	B	NO. BOLTS	TYPE	OUTER FLANGE PL	INNER FLANGE PL	FILL PL	A	B	NO. BOLTS
FIELD SPLICE 1-1	I	½"x20"x2'-2"	2 - ½"x9"x2'-2"	⅛"x20"x1'-0⅞"	3	9"	32	I	⅝"x20"x2'-8"	2 - ⅝"x9"x2'-8"	--	5	1'-3"	40
FIELD SPLICE 2-1	II	½"x24"x3'-2"	2 - ½"x11"x3'-2"	--	3	9"	48	II	½"x24"x2'-8"	2 - ½"x11"x2'-8"	¼"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 2-2	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48	II	½"x24"x2'-8"	2 - ½"x11"x2'-8"	⅛"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 3-1	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	⅛"x24"x1'-0⅞"	3	9"	48
FIELD SPLICE 3-2	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48
FIELD SPLICE 4-1	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48	II	½"x24"x2'-2"	2 - ½"x11"x2'-2"	--	3	9"	48
FIELD SPLICE 4-2	III	½"x24"x2'-2"	2 - ½"x11"x2'-2"	¼"x24"x1'-0⅞"	3	9"	48	III	½"x24"x2'-8"	2 - ½"x11"x2'-8"	¼"x24"x1'-3⅞"	4	1'-0"	60
FIELD SPLICE 5-1	IV	⅝"x28"x3'-2"	2 - ⅝"x13"x3'-2"	--	5	1'-3"	72	IV	⅝"x28"x3'-2"	2 - ⅝"x13"x3'-2"	--	5	1'-3"	72
FIELD SPLICE 5-2	IV	⅝"x28"x3'-2"	2 - ⅝"x11"x3'-2"	--	5	1'-3"	72	IV	⅝"x28"x3'-2"	2 - ⅝"x13"x3'-2"	⅛"x24"x1'-6⅛"	5	1'-3"	72
FIELD SPLICE 6-1	I	½"x20"x2'-8" /2	2 - ½"x9"x2'-8" /2	½"x20"x1'-3⅜" /2	(4) /2	(1'-0") /2	(40) /2	I	⅝"x20"x3'-8" /2	2 - ⅝"x9"x3'-8" /2	⅝"x20"x1'-9⅛" /2	(6) /2	(1'-6") /2	(56) /2



STEP 1



STEP 2



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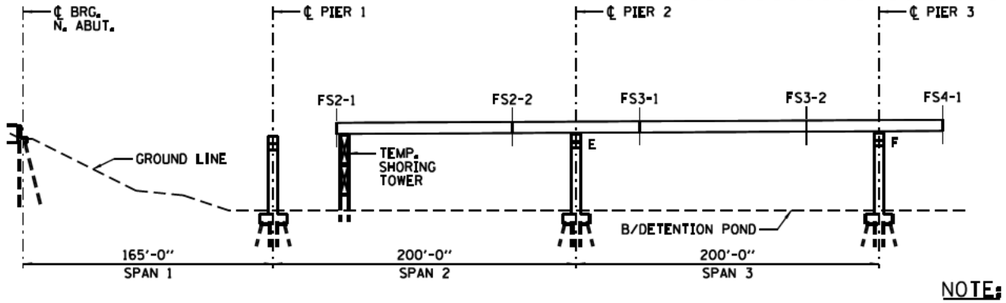

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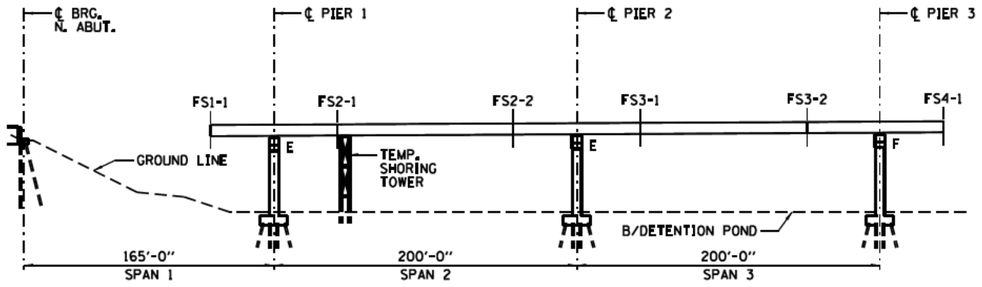

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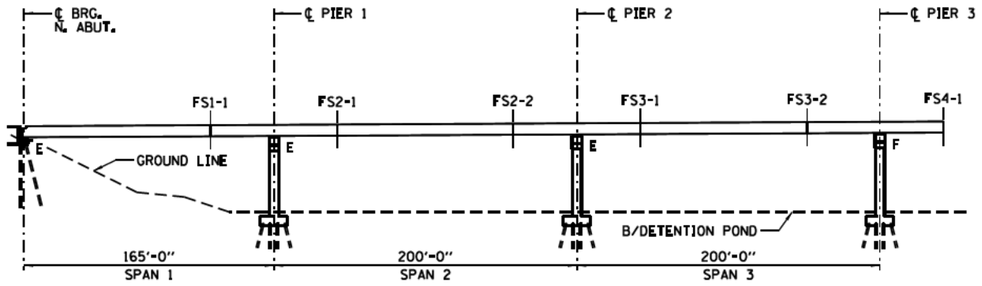

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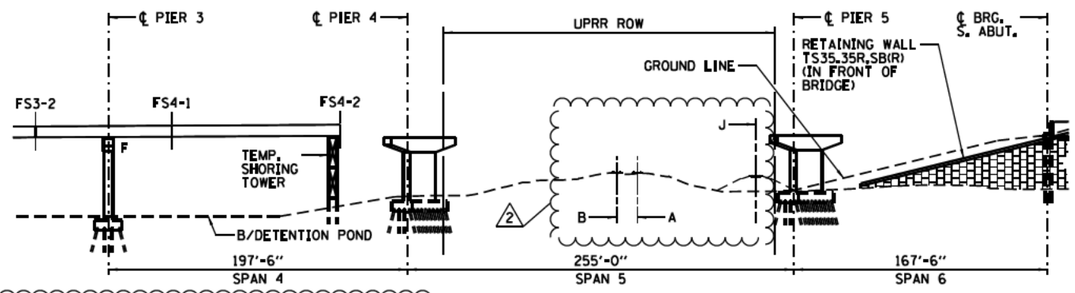

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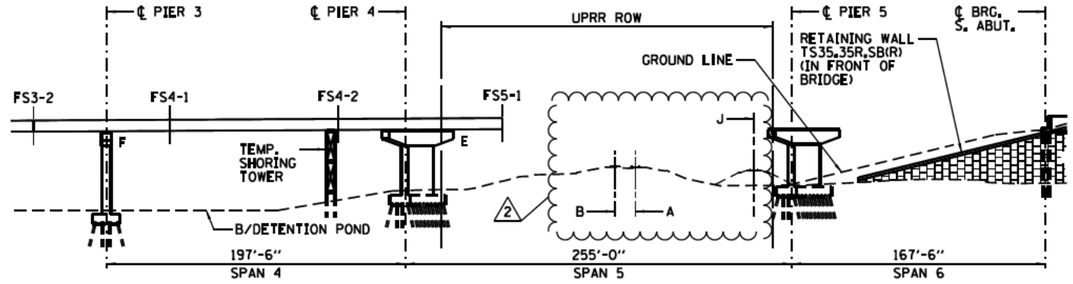


STEP 8

2

*Ag ℄ PROP. M/L TRK. 1 & ℄ EXIST. TRK. 2
*Bg ℄ PROP. M/L TRK. 2 & ℄ EXIST. TRK. 1
Jg ℄ TEMP. TRK. 730

*EXISTING AND PROPOSED TRACK ALIGNMENTS MAY DEVIATE SLIGHTLY FROM ONE ANOTHER UNDER BRIDGE. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING.

NOTE:

1. FOR SUGGESTED ERECTION SEQUENCE AND ADDITIONAL NOTES, SEE SHEET SE-45.

DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY DSCHRIKS DATE 04/30/2020

benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

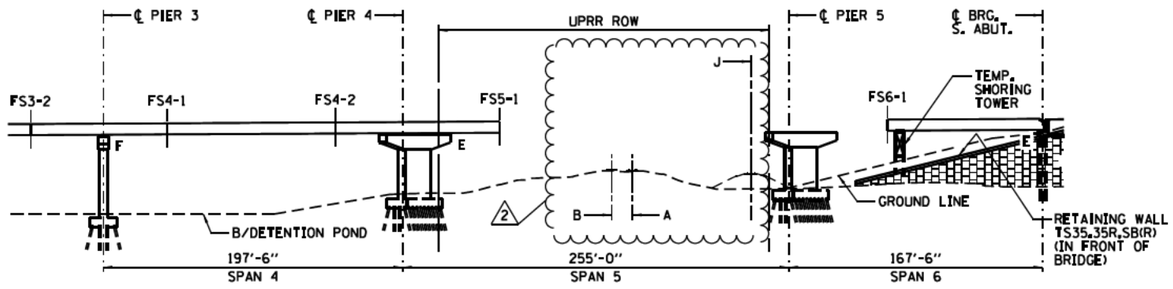
CONTRACT NO. I-17-4339

RAMP S1 (BN 1658)
SUGGESTED ERECTION
SEQUENCE (1 OF 2)

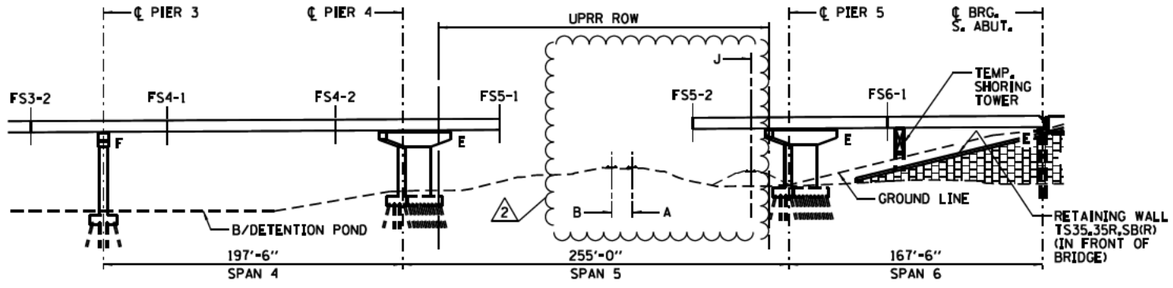
SHT NO. SE-44

DRAWING NO.
819 OF 1740

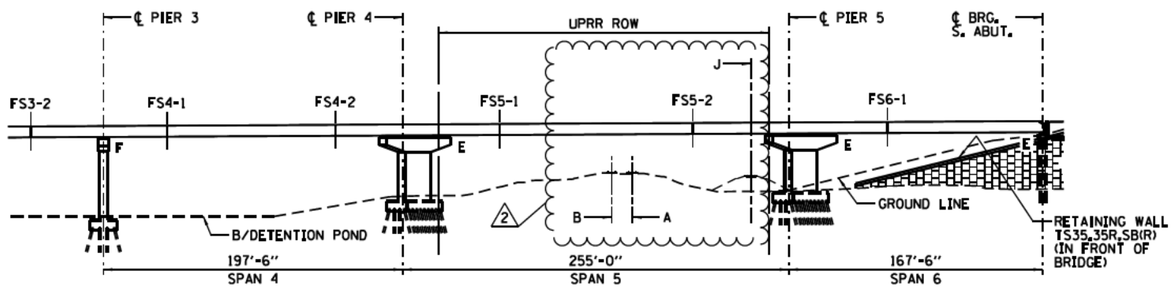
4339A-sht-1658-erection-001.dgn
32329



STEP 9



STEP 10



STEP 11

2

*As ℄ PROP. M/L TRK. 1 & ℄ EXIST. TRK. 2
*Bs ℄ PROP. M/L TRK. 2 & ℄ EXIST. TRK. 1
Js ℄ TEMP. TRK. 730

*EXISTING AND PROPOSED TRACK ALIGNMENTS MAY DEVIATE SLIGHTLY FROM ONE ANOTHER UNDER BRIDGE. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING.

SUGGESTED ERECTION SEQUENCE:

STEP 1:

1. INSTALL PIER BRACKETS AT PIER 3.
2. ERECT GIRDERS OVER PIER 3.

STEP 2:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 3.
2. ERECT GIRDERS IN SPAN 3.

STEP 3:

1. ERECT GIRDERS OVER PIER 2.

STEP 4:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 2.
2. ERECT GIRDERS IN SPAN 2.

STEP 5:

1. ERECT GIRDERS OVER PIER 1.

STEP 6:

1. ERECT GIRDERS IN SPAN 1.
2. REMOVE ANY PIER BRACKETS AND TEMPORARY SHORING TOWERS THAT ARE STILL IN PLACE.

STEP 7:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 4.
2. ERECT GIRDERS IN SPAN 4.

STEP 8:

1. ERECT GIRDERS OVER PIER 4.

STEP 9:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 6.
2. ERECT GIRDERS IN SPAN 6.

STEP 10:

1. ERECT GIRDERS OVER PIER 5.

STEP 11:

1. ERECT GIRDERS IN SPAN 5.
2. REMOVE ANY TEMPORARY SHORING TOWERS THAT ARE STILL IN PLACE.

NOTES:

1. SEE SHEET SE-5 FOR ADDITIONAL GIRDER ERECTION NOTES.
2. TRACK CONFIGURATION AT TIME OF GIRDER ERECTION MAY VARY FROM THAT SHOWN. COORDINATE GIRDER ERECTION WITH UP-01 CONTRACT.

DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY DSCHRIKS DATE 04/30/2020

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312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

SHT NO. SE-45

RAMP S1 (BN 1658)
SUGGESTED ERECTION
SEQUENCE (2 OF 2)

DRAWING NO.
820 OF 1740

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4339A-sht-1658-erection-002.dgn
32329

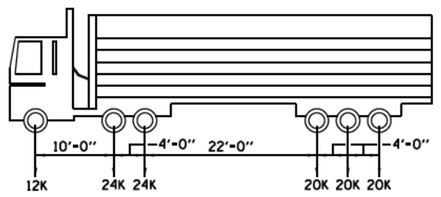
BENCHMARK: CHISELED "X" ON S.E. FLANGE BOLT OF LAST FIRE HYDRANT ON WEST SIDE OF NORTH END OF GARNET DR. (DEAD END NEXT TO NB I-294).

EXISTING STRUCTURE: NONE

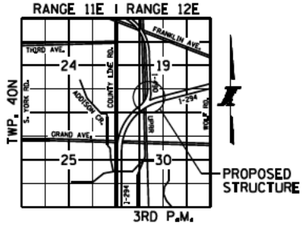
PROPOSED STRUCTURE: BRIDGE NO. 1659 IS A RAMP CARRYING NB I-294 TO NB I-490 OVER UNION PACIFIC RAILROAD AND I-294. THE BRIDGE IS 1,952'-3" BACK-TO-BACK ABUTMENTS, CONSISTING OF TWO UNITS. UNIT 1 IS A 7-SPAN CONTINUOUS HORIZONTALLY CURVED STEEL PLATE GIRDER BRIDGE WITH AN 8" CONCRETE DECK AND UNIT 2 IS A 3-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE WITH AN 8" CONCRETE DECK. THE SUPERSTRUCTURE IS SUPPORTED ON CAST-IN-PLACE CONCRETE PIERS AND ABUTMENTS FOUNDED ON STEEL H-PILES.

TRAFFIC CONTROL: I-294 TRAFFIC TO BE MAINTAINED USING STAGED CONSTRUCTION.

UP TO 1/4" MAY BE GROUND OFF THE BRIDGE DECK, BRIDGE APPROACH SLABS, AND TRANSITION APPROACH SLABS.



IL-120 DESIGN TRUCK



LOCATION SKETCH

RAILROAD INFORMATION

RAILROAD OWNER: UNION PACIFIC RAILROAD
NO. TRAINS: 6 (6 AM TO 6 PM); 6 (6 PM TO 6 AM)
TRAIN TYPE: FREIGHT
MILEPOST: 3.03
SUBDIVISION: MILWAUKEE
MUNICIPALITY: FRANKLIN PARK/NORTHLAKE, IL
COORDINATES: 41°56'12" N, 87°54'52" W

STRUCTURE RATING

(HL-93)

LIMIT STATE		DESIGN LOAD RATING INVENTORY	DESIGN LOAD RATING OPERATING
STRENGTH I	FLEXURE	1.41	1.83
	SHEAR	1.26	1.64
SERVICE II	FLEXURE	2.04	2.66

DESIGN SPECIFICATIONS

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION WITH 2015 & 2016 INTERIM REVISIONS

ISTHA STRUCTURE DESIGN MANUAL, MARCH 2019

IDOT BRIDGE MANUAL, JANUARY 2012

ISTHA GEOTECHNICAL ENGINEER'S MANUAL, MARCH 2019

IDOT ALL BRIDGE DESIGNERS MEMORANDUMS

AREMA MANUAL FOR RAILWAY ENGINEERING, 2017 EDITION

UPRR-BNSF RAILWAY GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS, MAY 2016

CONSTRUCTION SPECIFICATIONS

ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016

ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ISSUED APRIL 5, 2019

ILLINOIS DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2020

ILLINOIS DEPARTMENT OF TRANSPORTATION GUIDE BRIDGE SPECIAL PROVISIONS (GBSP)

LOADING HL-93 & IL-120

ALLOW 50 #/SQ. FT. FOR FUTURE WEARING SURFACE

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 PSI CLASS SI (SUBSTRUCTURE)
f'c = 4,000 PSI CLASS BS (PARAPETS AND BARRIERS)
f'c = 4,000 PSI PERFORMANCE MIX (BRIDGE DECKS, BRIDGE APPROACH SLABS, AND TRANSITION APPROACH SLABS)
fy = 60,000 PSI (REINFORCEMENT)
fy = 50,000 PSI (M270 GRADE 50)

LIVE LOAD DEFLECTION

LIVE LOAD DEFLECTION < SPAN LENGTH/800

SEISMIC CRITERIA

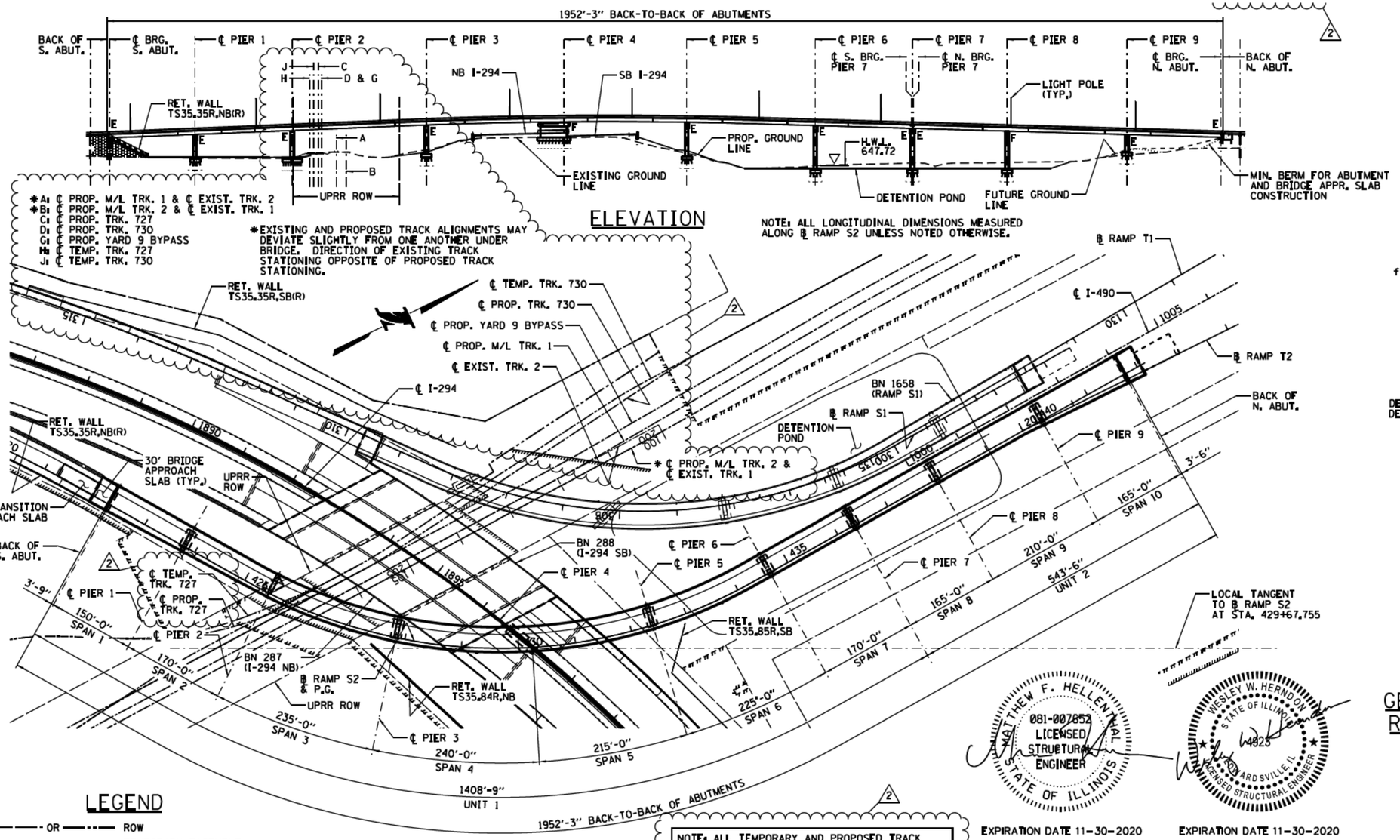
SEISMIC PERFORMANCE ZONE (SPZ) = 1
DESIGN SPECTRAL ACCELERATION AT 1.0 SEC. (SD1) = 0.086G
DESIGN SPECTRAL ACCELERATION AT 0.2 SEC. (SDS) = 0.149G
SOIL SITE CLASS = D

HIGHWAY CLASSIFICATION

F.A.I. ROUTE 294 (I-294) TO F.A.I. ROUTE 490 (I-490)
FUNCTIONAL CLASS: INTERSTATE
ADT: 24,731 (2040)
DHV: 3,389 (2040)
ADTT: 1,978 (2040)
DESIGN SPEED: 50 MPH
POSTED SPEED: 45 MPH

HIGHWAY CLASSIFICATION

F.A.I. ROUTE 294 (I-294)
FUNCTIONAL CLASS: INTERSTATE
ADT: 186,700 (2015); 269,400 (2040)
DHV: 7,504 (2015); 10,940 (2040)
ADTT: 18,900 (2015); 27,300 (2040)
DESIGN SPEED: 70 MPH
POSTED SPEED: 55 MPH



ELEVATION

NOTE: ALL LONGITUDINAL DIMENSIONS MEASURED ALONG ℄ RAMP S2 UNLESS NOTED OTHERWISE.

PLAN

LEGEND

OR ROW
TEMPORARY EASEMENT
PERMANENT EASEMENT

NOTE: ALL TEMPORARY AND PROPOSED TRACK WORK IS PART OF UP-01 CONTRACT. ALL WORK SHALL BE COORDINATED WITH UP-01 CONTRACTOR.

MATTHEW F. HELLENTHAL
081-007852
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS

EXPIRATION DATE 11-30-2020
DATE: 04-30-2020
SHEETS: SF-1 THRU SF-82, SF-107 THRU SF-136

WESLEY W. HERNDON
STATE OF ILLINOIS
4825
LICENSED STRUCTURAL ENGINEER
WILLIAMSVILLE, IL

EXPIRATION DATE 11-30-2020
DATE: 04-30-2020
SHEETS: SF-83 THRU SF-106

GENERAL PLAN AND ELEVATION
RAMP S2 OVER UPRR & I-294
F.A.I. ROUTE 294 TO F.A.I ROUTE 490
COOK COUNTY
STATION 430+26.59
ISTHA BN 1659
IDOT SN 016-9202
FRA SN 973909N

DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY AKEASCHALL DATE 04/30/2020

benesch
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35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
SHT NO. SF-1
RAMP S2 (BN 1659) GENERAL PLAN AND ELEVATION (1 OF 3)
DRAWING NO. 869 OF 1740

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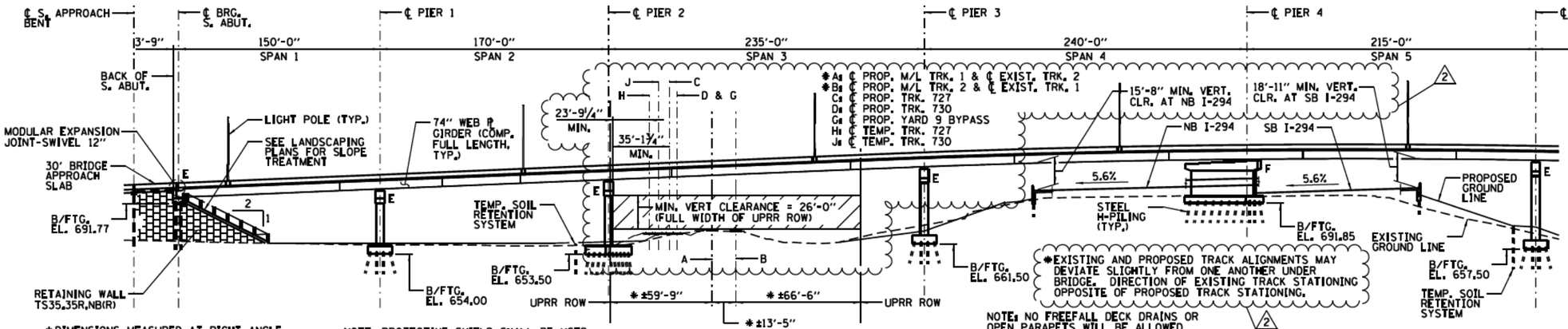
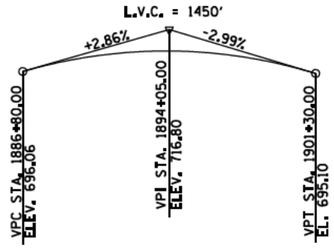
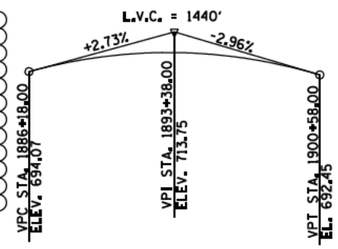
4339A-sht-1659-gpe-001.dgn
32329



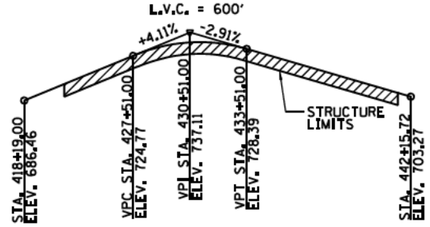
ELEVATION



PROFILE GRADE
(ALONG P.G. NB I-294)

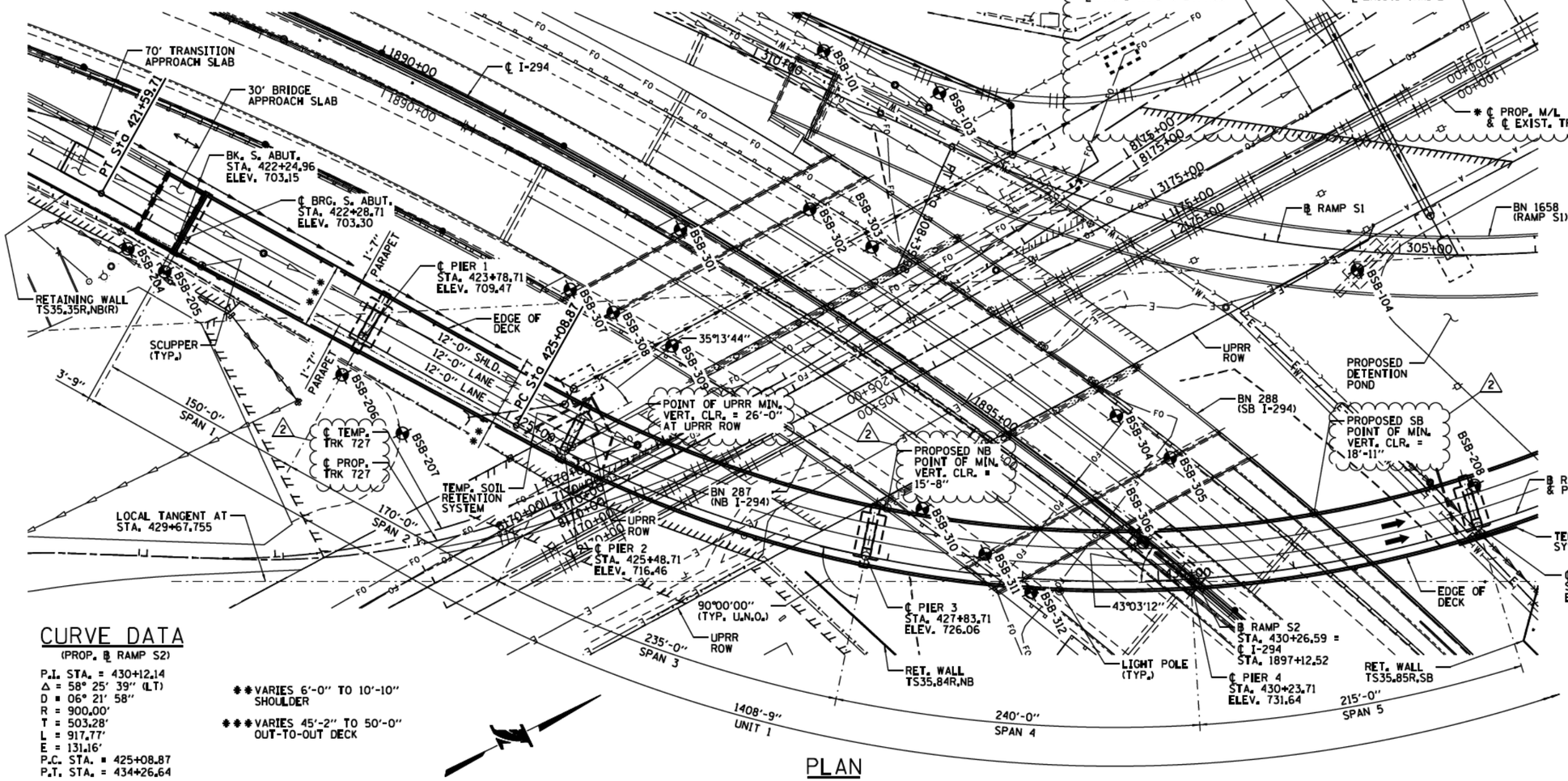


PROFILE GRADE
(ALONG P.G. SB I-294)



PROFILE GRADE
(ALONG ℄ RAMP S2 AFTER GRINDING)

NOTE: ALL LONGITUDINAL DIMENSIONS MEASURED ALONG ℄ RAMP S2 UNLESS NOTED OTHERWISE.


℄ TEMP. TRK. 730
℄ PROP. TRK. 730
℄ PROP. YARD 9 BYPASS
℄ PROP. M/L TRK. 1
℄ EXIST. TRK. 2
* ℄ PROP. M/L TRK. 2 & ℄ EXIST. TRK. 1
70' TRANSITION APPROACH SLAB
30' BRIDGE APPROACH SLAB
PT Sta 421+59.71
BK. S. ABUT. STA. 422+24.96 ELEV. 703.15
℄ BRG. S. ABUT. STA. 422+28.71 ELEV. 703.30
1'-7" PARAPET
℄ PIER 1 STA. 423+78.71 ELEV. 709.47
RETAINING WALL TS35.35R,NB(R)
EDGE OF DECK
SCUPPER (TYP.)
12'-0" SHLD.
12'-0" LANE
12'-0" LANE
PC Sta 425+08.87
3'-9"
150'-0" SPAN 1
℄ TEMP. TRK 727
℄ PROP. TRK 727
TEMP. SOIL RETENTION SYSTEM
LOCAL TANGENT AT STA. 429+67.755
170'-0" SPAN 2
POINT OF UPRR MIN. VERT. CLR. = 26'-0" AT UPRR ROW
℄ PIER 2 STA. 425+48.71 ELEV. 716.46
UPRR ROW
BN 287 (NB I-294)
PROPOSED NB POINT OF MIN. VERT. CLR. = 15'-8"
℄ PIER 3 STA. 427+83.71 ELEV. 726.06
90°00'00" (TYP. U.N.O.)
235'-0" SPAN 3
1408'-9" UNIT 1
RET. WALL TS35.84R,NB
35°13'44"
43°03'12"
LIGHT POLE (TYP.)
℄ RAMP S1
BN 1658 (RAMP S1)
UPRR ROW
PROPOSED DETENTION POND
BN 288 (SB I-294)
PROPOSED SB POINT OF MIN. VERT. CLR. = 18'-11"
℄ RAMP S2 STA. 430+26.59 = ℄ I-294 STA. 1897+12.52
℄ PIER 4 STA. 430+23.71 ELEV. 731.64
240'-0" SPAN 4
215'-0" SPAN 5
RET. WALL TS35.85R,SB
℄ RAMP S2 P.G.
TEMP. SOIL RETENTION SYSTEM
℄ PIER 5 STA. 432+38.71 ELEV. 730.91
EDGE OF DECK
℄ I-294
1890+00
1895+00
1900+00
1905+00
1910+00
1915+00
1920+00
1925+00
1930+00
1935+00
1940+00
1945+00
1950+00
1955+00
1960+00
1965+00
1970+00
1975+00
1980+00
1985+00
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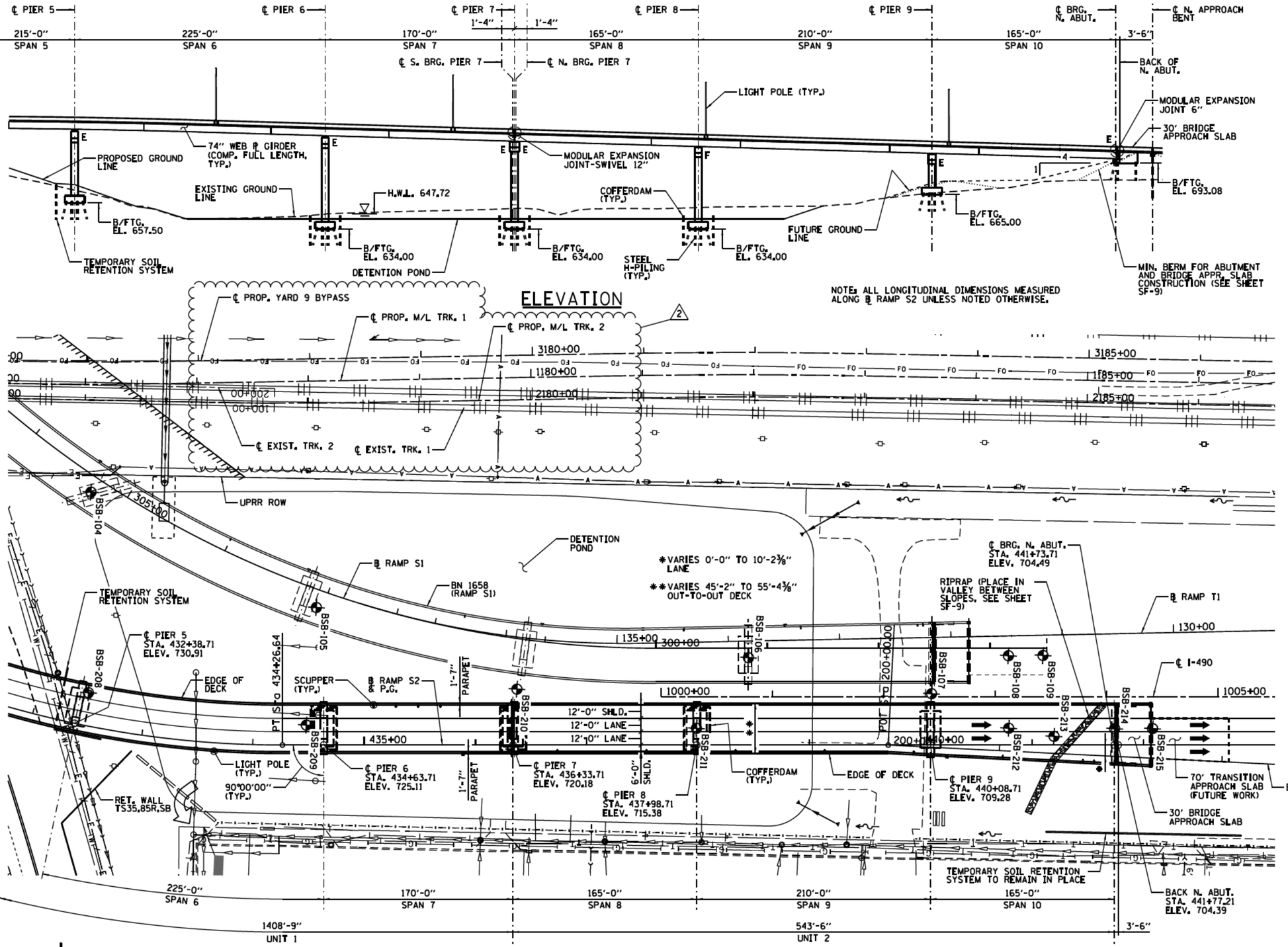
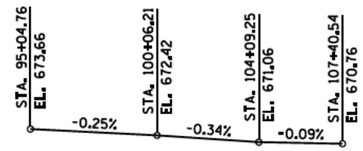
2065+00
2070+00
2075+00
2080+00
2085+00



DRAINAGE SCUPPER TABLE		
STA.	LT./RT.	FREEFALL (F)/ CLOSED (C)
422+40.00	RT.	C
422+50.00	RT.	C
423+25.00	LT.	F
423+45.00	LT.	F
424+00.00	LT.	F
424+20.00	LT.	F
424+40.00	LT.	F
435+08.50	LT.	F
435+28.50	LT.	F
435+48.50	LT.	F
435+68.50	LT.	F
436+73.50	RT.	F
437+53.50	RT.	F
438+33.50	RT.	F
439+13.50	RT.	F
439+93.50	RT.	F
440+73.50	RT.	F
441+45.50	RT.	C
441+55.50	RT.	C

LIGHT POLE TABLE	
STA.	LT./RT.
422+65.28	RT.
424+85.29	RT.
427+02.50	RT.
429+27.75	RT.
431+43.96	RT.
433+65.71	RT.
435+88.75	RT.
438+05.71	RT.
440+23.50	RT.



LEGEND

- OR — ROW
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- E — EXIST. ELECTRIC LINE
- FO — EXIST. FIBER OPTIC
- EXIST. STORM SEWER
- A — EXIST. AERIAL LINE
- PROP. STORM SEWER
- W — PROP. WATER MAIN
- PROP. SANITARY SEWER

DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY AKEASCHALL DATE 04/30/2020

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2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

RAMP S2 (BN 1659) GENERAL PLAN AND ELEVATION (3 OF 3)

SHT NO. SF-3

DRAWING NO. 871 OF 1740

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32329

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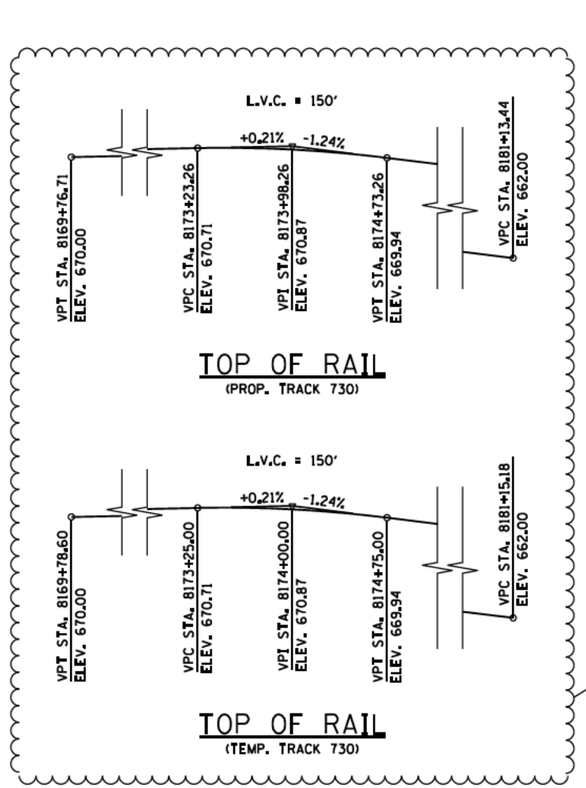
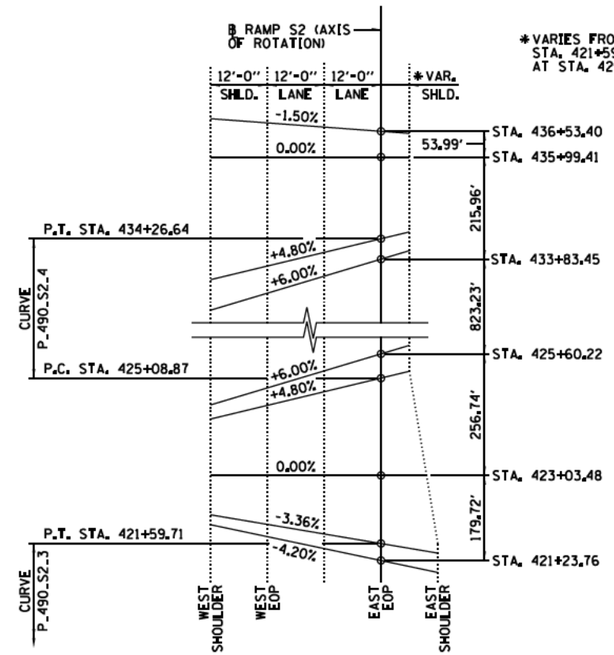
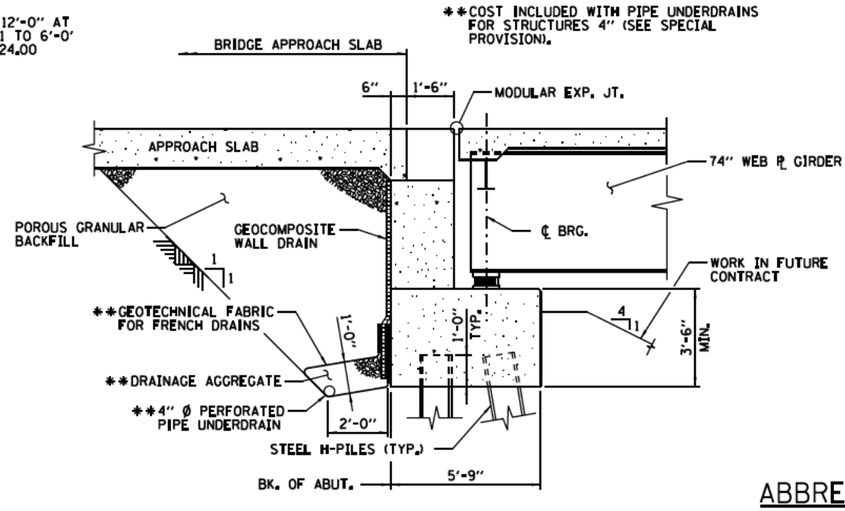


TOTAL BILL OF MATERIAL

PAY ITEM NO.	ITEM	UNIT	SUPER	SUB	TOTAL	RECORD QUANTITY
28100107	STONE RIPRAP, CLASS A4	SQ YD		85	85	
28200200	FILTER FABRIC	SQ YD		141	141	
50157300	PROTECTIVE SHIELD	SQ YD	3,422		3,422	
50200100	STRUCTURE EXCAVATION	CU YD		2,290	2,290	
50200300	COFFERDAM EXCAVATION	CU YD		1,086	1,086	
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH		1	1	
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH		1	1	
50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH		1	1	
50300225	CONCRETE STRUCTURES	CU YD		602.5	602.5	
50300254	RUBBED FINISH	SQ FT		19,303	19,303	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	616.7		616.7	
50300265	SEAL COAT CONCRETE	CU YD		271.5	271.5	
50300280	CONCRETE ENCASEMENT	CU YD		17.5	17.5	
50300285	FORM LINER TEXTURED SURFACE	SQ FT		11,753	11,753	
50300300	PROTECTIVE COAT	SQ YD	11,186		11,186	
50500505	STUD SHEAR CONNECTORS	EACH	36,676		36,676	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	921,940	722,830	1,644,770	
50800515	BAR SPLICERS	EACH		107	107	
51201600	FURNISHING STEEL PILES HP12X53	FOOT		1,054	1,054	
51201900	FURNISHING STEEL PILES HP14X89	FOOT		6,954	6,954	
51202100	FURNISHING STEEL PILES HP14X117	FOOT		17,042	17,042	
51202305	DRIVING PILES	FOOT		25,050	25,050	
51203600	TEST PILE STEEL HP12X53	EACH		2	2	
51203900	TEST PILE STEEL HP14X89	EACH		4	4	
51204100	TEST PILE STEEL HP14X117	EACH		7	7	
51204650	PILE SHOES	EACH		335	335	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6		6	
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6		6	
52100510	ANCHOR BOLTS, 3/4"	EACH		72	72	
52100530	ANCHOR BOLTS, 1 1/4"	EACH		156	156	
52100540	ANCHOR BOLTS, 1 1/2"	EACH		24	24	
52100560	ANCHOR BOLTS, 2"	EACH		24	24	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT		2,905	2,905	
58700300	CONCRETE SEALER	SQ FT		10,272	10,272	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD		56	56	
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	9,223		9,223	
X5210120	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K	EACH	12		12	
X5210180	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 550K	EACH	6		6	
X5210200	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 650K	EACH	6		6	
X5210220	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 750K	EACH	12		12	
X5210230	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 800K	EACH	6		6	
X5210240	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 900K	EACH	6		6	
X5210355	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 650K	EACH	6		6	
X5210375	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 850K	EACH	6		6	
Z0018800	DRAINAGE SYSTEM	L SUM	1		1	
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	52.5		52.5	
Z0034812	MODULAR EXPANSION JOINT-SWIVEL 12"	FOOT	89.0		89.0	
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		76	76	
JI213002	EXPLORATORY POTHOLING, UTILITIES	EACH		2	2	
JI420040	BRIDGE APPROACH SLAB	SQ YD	357		357	
JI420041	TRANSITION APPROACH SLAB	SQ YD	188		188	
JI503010	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE	CU YD	2,614.5		2,614.5	
JI503230	MASS CONCRETE STRUCTURES	CU YD		3,599.5	3,599.5	
JI505231	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 1	L SUM	1		1	
JI599007	TEMPORARY SOIL RETENTION SYSTEM TO REMAIN IN PLACE	SQ FT		2,259	2,259	
JS120801	SCUPPER, DS-12	EACH	19		19	
JS503160	DIAMOND GRINDING AND SURFACE SMOOTHNESS FOR BRIDGE SECTIONS	SQ YD	8,901		8,901	
JT210001	POROUS GRANULAR BACKFILL	CU YD		151	151	
JT525125	BONDED PREFORMED JOINT SEAL, 2 IN.	FOOT	24		24	

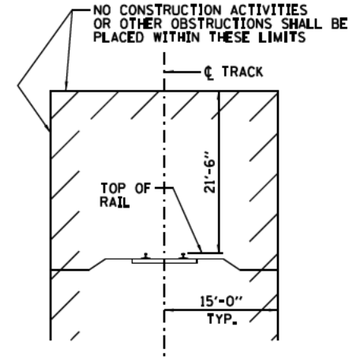


SUPERELEVATION TRANSITION SECTIONS



NOTE: ALL DRAINAGE SYSTEM COMPONENTS SHALL EXTEND PARALLEL TO THE ABUTMENT BACKWALL BETWEEN WINGWALLS. THE PIPE SHALL EXTEND UNDER THE EAST WINGWALL UNTIL INTERSECTING THE SIDE SLOPE. THE PIPE SHALL DRAIN INTO A CONCRETE HEADWALL. SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 601101. PIPE WILL BE EXTENDED IN FUTURE CONTRACT TO INTERSECT THE FUTURE GROUND LINE.

SECTION THRU N. ABUTMENT



MIN. CONSTRUCTION CLEARANCE ENVELOPE

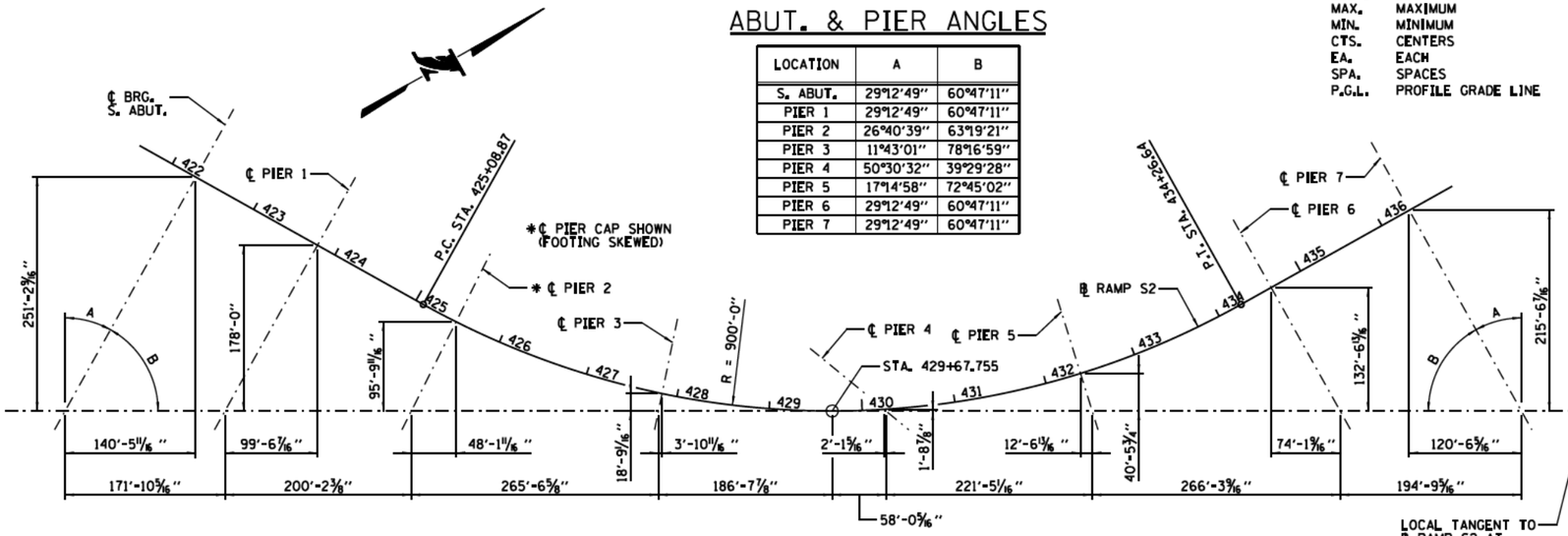
(NORMAL TO RAILROAD)

ABBREVIATIONS AND SYMBOLS

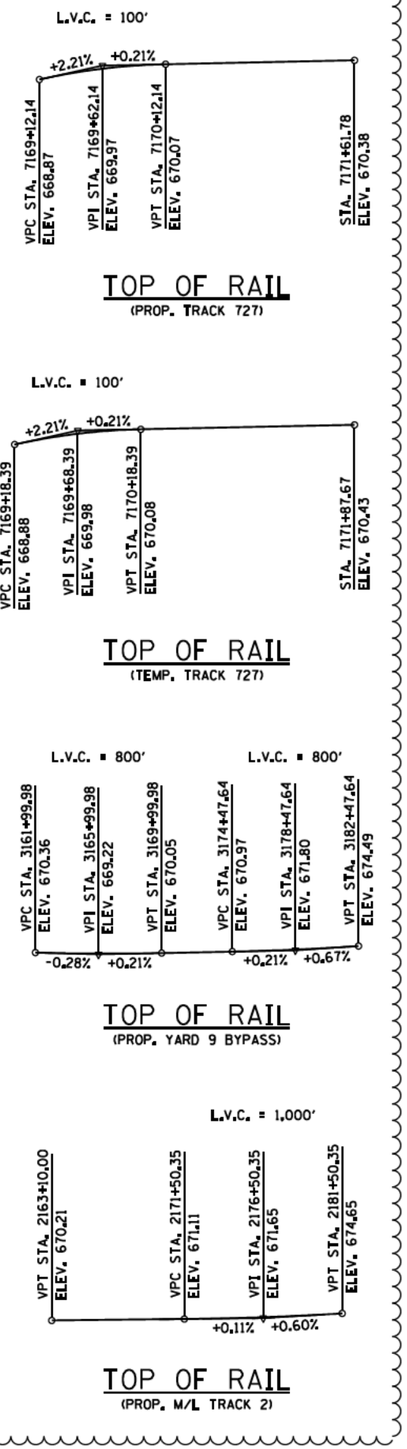
℄	CENTERLINE	E.F.	EACH FACE
PL	PLATE	F.F.	FRONT FACE
Ø	DIAMETER	B.F.	BACK FACE
±	APPROXIMATELY	I.F.	INSIDE FACE
W.	WEST	O.F.	OUTSIDE FACE
E.	EAST	P.J.F.	PREFORMED JOINT FILLER
S.	SOUTH	TMSE	TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL
N.	NORTH		
S.B.	SOUTHBOUND		
N.B.	NORTHBOUND	P.J.S.	PREFORMED JOINT SEAL
RT.	RIGHT	BK/	BACK OF
LT.	LEFT	B/	BOTTOM OF
VERT.	VERTICAL	T/	TOP OF
HORIZ.	HORIZONTAL	PROP.	PROPOSED
TSRS	TEMPORARY SOIL RETENTION SYSTEM	EXIST.	EXISTING
		ABUT.	ABUTMENT
CLR.	CLEAR	TEMP.	TEMPORARY
ELEV.	ELEVATION	TYP.	TYPICAL
MAX.	MAXIMUM	BRG.	BEARING
MIN.	MINIMUM	APPR.	APPROACH
CTS.	CENTERS	STD.	STANDARD
EA.	EACH	STA.	STATION
SPA.	SPACES	CONST.	CONSTRUCTION
P.G.L.	PROFILE GRADE LINE	MSE	MECHANICALLY STABILIZED EARTH RETAINING WALL

ABUT. & PIER ANGLES

LOCATION	A	B
S. ABUT.	29°12'49"	60°47'11"
PIER 1	29°12'49"	60°47'11"
PIER 2	26°40'39"	63°19'21"
PIER 3	11°43'01"	78°16'59"
PIER 4	50°30'32"	39°29'28"
PIER 5	17°14'58"	72°45'02"
PIER 6	29°12'49"	60°47'11"
PIER 7	29°12'49"	60°47'11"



UNIT 1 OFFSET SKETCH



DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY AKEASCHALL DATE 04/30/2020

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2700 OGDEN AVENUE
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REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339
RAMP S2 (BN 1659) GENERAL NOTES (2 OF 2)
SHT NO. SF-6
DRAWING NO. 874 OF 1740

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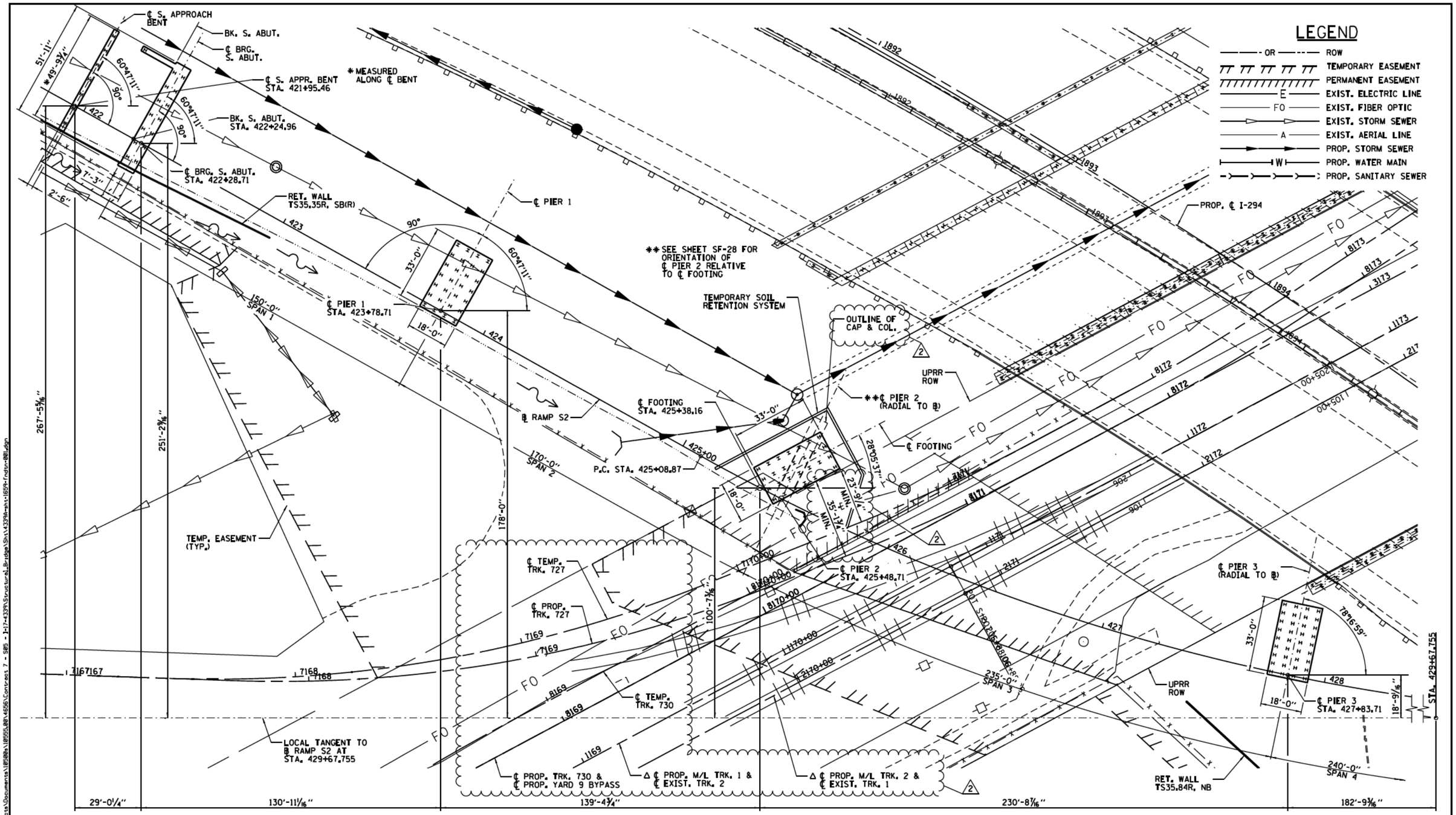

PLAN - SPANS 1-3

ΔEXISTING AND PROPOSED TRACK ALIGNMENTS MAY DEVIATE SLIGHTLY FROM ONE ANOTHER UNDER BRIDGE. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING. (2)

NOTES:

1. FOR FOOTING LAYOUT, SEE SHEET SF-13.

DRAWN BY KKENNY	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY MHELLENTHAL	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

RAMP S2 (BN 1659) SUBSTRUCTURE LOCATION PLAN (1 OF 4)

SHT NO. SF-10

DRAWING NO. 878 OF 1740

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4339A-sht-1659-rndtn-001.dgn
32329

℄ PROP. YARD & BYPASS

Δ ℄ PROP. M/L TRK. 2 & ℄ EXIST. TRK. 1

Δ ℄ PROP. M/L TRK. 1 & ℄ EXIST. TRK. 2

ΔEXISTING AND PROPOSED TRACK ALIGNMENTS MAY DEVIATE SLIGHTLY FROM ONE ANOTHER UNDER BRIDGE. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING.

UPRR ROW

305+00

304

℄ RAMP S1

PROPOSED DETENTION POND

℄ PIER 6

90°

COFFERDAM (TYPE 2)

33'-0"

435+00

60°41'11"

℄ PIER 6 STA. 434+63.71

P.T. STA. 434+26.64

18'-0"

170'-0" SPAN 7

434

TEMPORARY SOIL RETENTION SYSTEM

℄ PIER 5 (RADIAL TO ℄)

18'-0"

33'-0"

72°45'02"

433

225'-0" SPAN 6

132'-6⅛"

RET. WALL TS35.85R, SB

℄ RAMP S2

432

℄ PIER 5 STA. 432+38.71

40'-5¾"

60'-9"

℄ PIER 4

39°29'26"

1897

1'-8⅞"

431

430+00

STA. 429+67.755

℄ PIER 4 STA. 430+23.71

19'-0"

215'-0" SPAN 5

LOCAL TANGENT TO ℄ RAMP S2 AT STA. 429+67.755

240'-0" SPAN 4

PROP. ℄ I-294

55'-11"

210'-11⅜"

204'-8⅛"

PLAN - SPANS 4-6

NOTES:

1. FOR FOOTING LAYOUT, SEE SHEET SF-13.

LEGEND

- OR — ROW
- TEMPORARY EASEMENT
- PERMANENT EASEMENT
- E — EXIST. ELECTRIC LINE
- FO — EXIST. FIBER OPTIC
- EXIST. STORM SEWER
- A — EXIST. AERIAL LINE
- PROP. STORM SEWER
- W — PROP. WATER MAIN
- PROP. SANITARY SEWER

DRAWN BY KKENNY DATE 04/30/2020

CHECKED BY MHELLENTHAL DATE 04/30/2020

benesch

Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

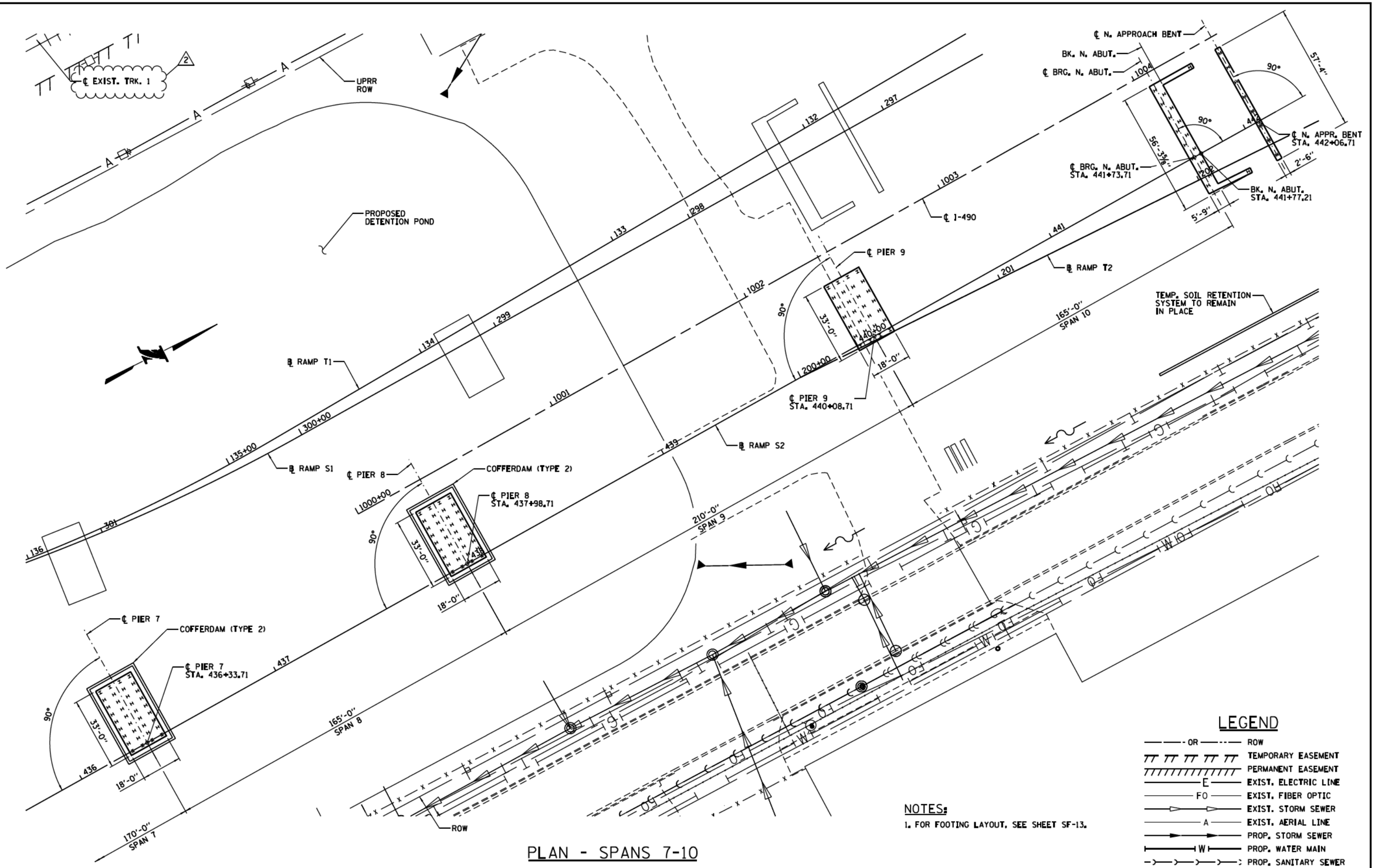
RAMP S2 (BN 1659)
SUBSTRUCTURE LOCATION
PLAN (2 OF 4)

SHT NO. SF-11

DRAWING NO. 879 OF 1740

per \\beneschpw\es\benesch_locale\Benesch_Projects\Documents\185000s\185955.001\4656\Contract 7 - SBS - I-17-4339\Structural_Bridge\Sht\4339A-sht-1659-fndtn-002.dgn

4339A-sht-1659-fndtn-002.dgn
32329



NOTES:

1. FOR FOOTING LAYOUT, SEE SHEET SF-13.

PLAN - SPANS 7-10

DRAWN BY KKENNY	DATE 04/30/2020	benesch Alfred Benesch & Company 35 West Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY MHELLENTHAL	DATE 04/30/2020		

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

RAMP S2 (BN 1659)
SUBSTRUCTURE LOCATION
PLAN (3 OF 4)

SHT NO. SF-12

DRAWING NO.
880 OF 1740

pw:\\beneschpwsel.benesch.local@Benesch_Projects\Documents\185008\185905.001\4656\Contract 7 - SBS - I-17-4339\Structural_Bridges\Sht\4339A-sht-1659-rndtn-003.dgn
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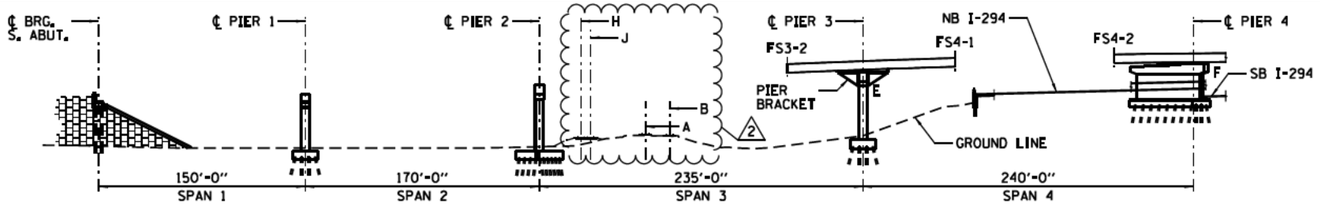
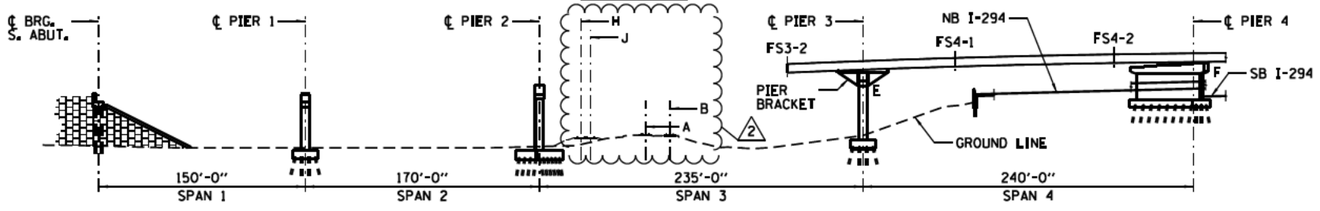


STEP 11



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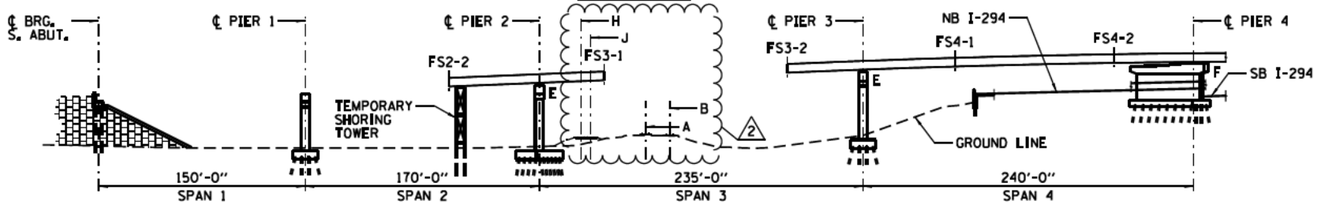

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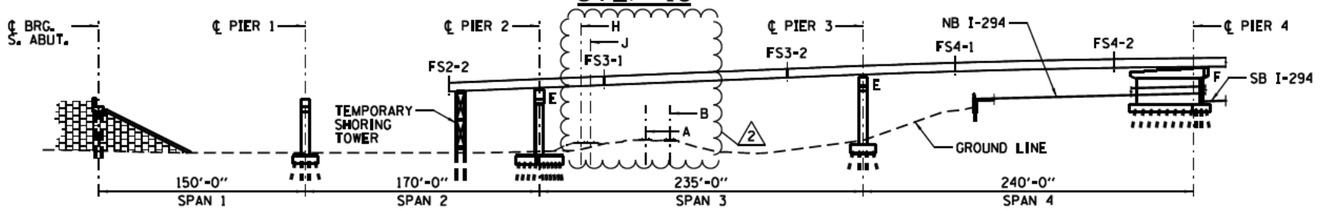

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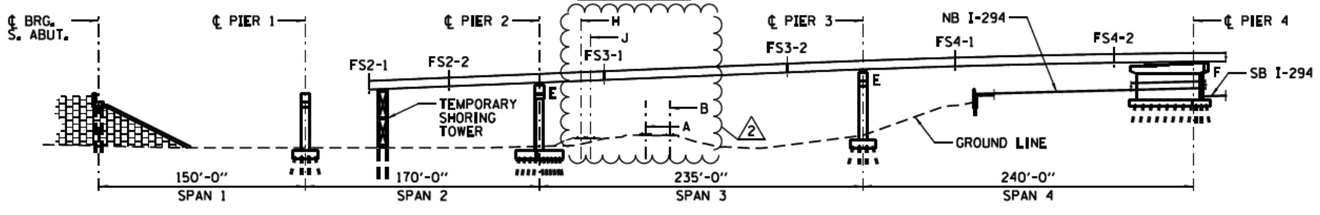

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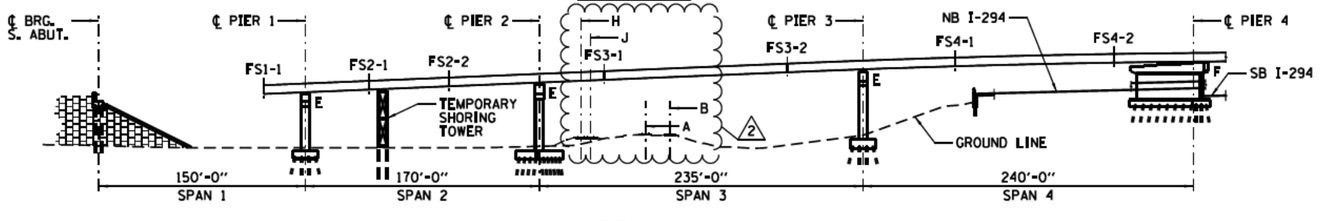

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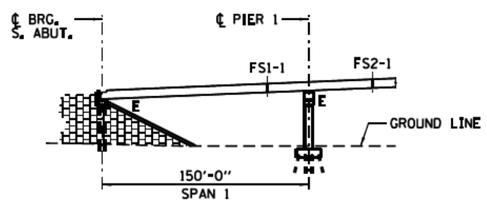

STEP 17

*A: ℄ PROP. M/L TRK. 1 & ℄ EXIST. TRK. 2
*B: ℄ PROP. M/L TRK. 2 & ℄ EXIST. TRK. 1
H: ℄ TEMP. TRK. 727
J: ℄ TEMP. TRK. 730

*EXISTING AND PROPOSED TRACK ALIGNMENTS MAY DEVIATE SLIGHTLY FROM ONE ANOTHER UNDER BRIDGE. DIRECTION OF EXISTING TRACK STATIONING OPPOSITE OF PROPOSED TRACK STATIONING.

2

SUGGESTED ERECTION SEQUENCE:

STEP 1:

1. INSTALL PIER BRACKETS AT PIER 8.
2. ERECT GIRDERS OVER PIER 8.

STEP 2:

1. ERECT GIRDERS IN SPAN 8.

STEP 3:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 9.
2. ERECT GIRDERS IN SPAN 9.

STEP 4:

1. ERECT GIRDERS OVER PIER 9.

STEP 5:

1. ERECT GIRDERS IN SPAN 10.
2. REMOVE ANY PIER BRACKETS AND TEMPORARY SHORING TOWERS IN UNIT 2 THAT ARE STILL IN PLACE.

STEP 6:

1. INSTALL TEMPORARY SHORING TOWERS IN SPANS 4 AND 5 WITHIN THE STAGE 2 WORK ZONE.
2. ERECT GIRDERS OVER PIER 4.

STEP 7:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 5.
2. ERECT GIRDERS IN SPAN 5.

STEP 8:

1. ERECT GIRDERS OVER PIER 5.
2. INSTALL PIER BRACKETS AT PIER 6.
3. ERECT GIRDERS OVER PIER 6.

STEP 9:

1. ERECT GIRDERS IN SPAN 6.

STEP 10:

1. ERECT GIRDERS IN SPAN 7.

STEP 11:

1. INSTALL PIER BRACKETS AT PIER 3.
2. ERECT GIRDERS OVER PIER 3.

STEP 12:

1. ERECT GIRDERS IN SPAN 4.

STEP 13:

1. INSTALL TEMPORARY SHORING TOWERS SOUTH OF PIER 2.
2. ERECT GIRDERS OVER PIER 2.

STEP 14:

1. ERECT GIRDERS IN SPAN 3.

STEP 15:

1. INSTALL TEMPORARY SHORING TOWERS IN SPAN 2.
2. ERECT GIRDERS IN SPAN 2.

STEP 16:

1. ERECT GIRDERS OVER PIER 1.

STEP 17:

1. ERECT GIRDERS IN SPAN 1.
2. REMOVE ANY PIER BRACKETS AND TEMPORARY SHORING TOWERS IN UNIT 1 THAT ARE STILL IN PLACE.

NOTES:

1. SEE SHEET SF-5 FOR ADDITIONAL GIRDER ERECTION NOTES.
2. TRACK CONFIGURATION AT TIME OF GIRDER ERECTION MAY VARY FROM THAT SHOWN. COORDINATE GIRDER ERECTION WITH UP-01 CONTRACT.

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DRAWN BY MHELLENTHAL DATE 04/30/2020
CHECKED BY AKEASCHALL DATE 04/30/2020

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312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/20	ADDENDUM NO. 2

CONTRACT NO. I-17-4339

RAMP S2 (BN 1659)
SUGGESTED ERECTION SEQUENCE (2 OF 2)

SHT NO. SF-66

DRAWING NO. 934 OF 1740

4339A-sht-1659-erection-002.dgn
32329

0 100 200 300
SCALE IN FEET

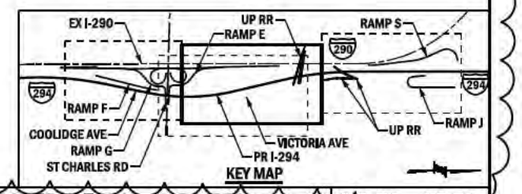
EX ℄ I-290
PR ℄ C-D RD
PR ℄ RAMP F
PR ℄ RAMP E
PR ℄ TRI-STATE TOLLWAY (I-294)
EX ℄ TRI-STATE TOLLWAY (I-294)
PR ℄ VICTORIA AVE
PR ℄ POND 32H
PR ℄ 48" CULVERT
PR ℄ 6'X5' BOX CULVERT
PR ℄ OUTLET POND 32M
UP RR
PR TEMP TOLLWAY EASEMENT
PR PERM TOLLWAY EASEMENT
PR TOLLWAY ROW
EX TOLLWAY ROW
PROP. CURVE P 294 6
EXIST. CURVE E 294 7
PROP. CURVE P 294 9
EXIST. CURVE E 294 10
PC STA 1723+70.88
PI STA 11721+95.53
PI STA 1723+70.88
PI STA 1727+17.07
PT STA 11731+06.65
PT STA 1730+61.18
PC STA 11741+25.69
PC STA 1742+87.81
PI STA 11749+48.76
PI STA 1749+66.41
N 13° 15' 49" W
MATCH LINE STA 11720+00 SEE SHEET ALT-01
MATCH LINE STA 11750+00 SEE SHEET ALT-03

EXIST. CURVE E 294 7
PI STA. = 1727+17.07
Δ = 10° 53' 24.50" (LT)
D = 1° 34' 39.28"
R = 3,631.88'
T = 346.20'
L = 690.31'
E = 16.46'
PC STA. = 1723+70.88
PT STA. = 1730+61.18

EXIST. CURVE E 294 10
PI STA. = 1749+66.41
Δ = 13° 30' 32.65" (RT)
D = 1° 00' 00.01"
R = 5,729.57'
T = 678.60'
L = 1,350.90'
E = 40.05'
PC STA. = 1742+87.81
PT STA. = 1756+38.71

PROP. CURVE P 294 6
PI STA. = 11721+95.53
Δ = 24° 49' 05.40" (LT)
D = 1° 20' 24.91"
R = 4,275.00'
T = 940.63'
L = 1,851.75'
E = 102.26'
e = 4.2%
PC STA. = 11712+54.90
PT STA. = 11731+06.65
DESIGN SPEED = 70 M.P.H.

NEW SHEET



KEY MAP

DRAWN BY JLW DATE 04/30/2020
CHECKED BY PJO DATE 04/30/2020

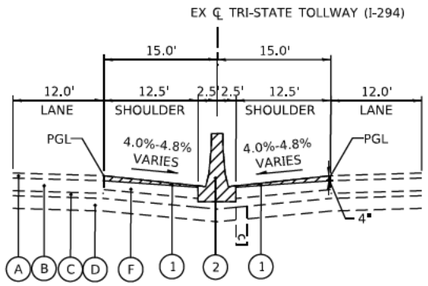
benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

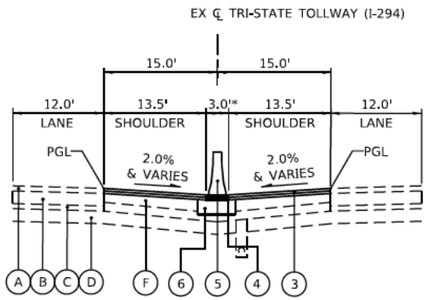
CONTRACT NO. I-17-4339
ALIGNMENTS I-294
STA 11720+00 to STA 11750+00
SHT NO. CO-01
DRAWING NO. 1740G OF 1740

p:\ascemanagedservices\ecom_0515_nfs\documents\68945817\central_tri-state_dcm\9488 Work Packages\I-17-4339-SHT-ALT-02-ALB.dgn - 4339-2 - 4533\81 - DGN\12 - SHT\General\4533-SHT-ALT-02-ALB.dgn



EXISTING TYPICAL SECTION
TRI-STATE TOLLWAY (I-294)

CROSSOVER NO. 1 STA 1707+39 - STA 1712+30
CROSSOVER NO. 2 STA 1726+13 - STA 1736+00



PROPOSED TYPICAL SECTION
TRI-STATE TOLLWAY (I-294)

CROSSOVER NO. 1 STA 1707+39 - STA 1712+30
CROSSOVER NO. 2 STA 1726+13 - STA 1736+00

* 3' FLAT SWALE

EXISTING CROSSOVER LEGEND

- (A) ASPHALT PAVEMENT, 4" AND VARIES
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 10" AND VARIES
- (C) GRANULAR SUBBASE, 4" AND VARIES
- (D) SUBGRADE, 10" AND VARIES
- (E) BITUMINOUS SHOULDERS, 6" AND VARIES
- (F) ASPHALT SHOULDERS, 9"

PROPOSED CROSSOVER LEGEND

- (1) HOT-MIX ASPHALT REMOVAL, VARIABLE DEPTH (JI440015)
- (2) CONCRETE MEDIAN BARRIER AND BASE REMOVAL (JI440010)
- (3) STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL-12.5, N80 (JI406048)
- (4) WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (JI406410) ASPHALT TACK COAT (JI406107)
- (5) FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012)
- (6) WARM MIX ASPHALT BASE COURSE, 9" (JI355121)

REMOVAL

NEW SHEET

DRAWN BY	KO	DATE	04/30/2020
CHECKED BY	JR	DATE	04/30/2020

2IM GROUP
2IM Group, LLC
118 South Clinton St.
Suite 350
Chicago, IL 60661

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
1	05/19/2020	ADDENDUM NO 2

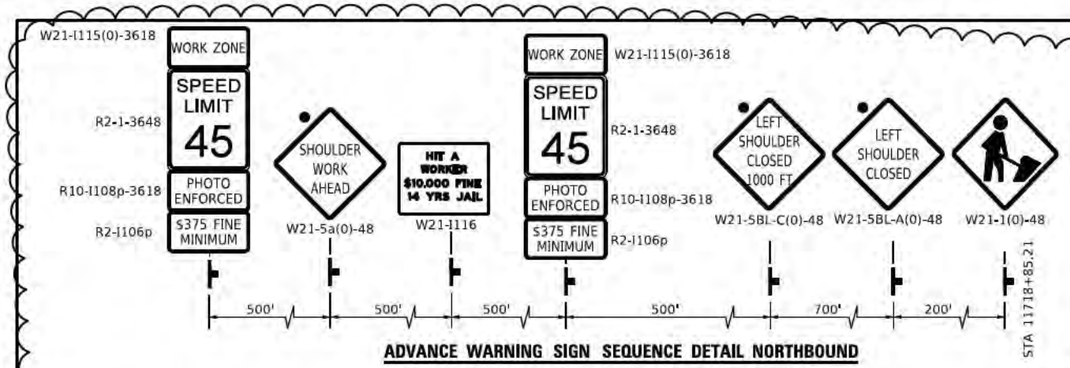
CONTRACT NO. I-17-4339

I-294 MEDIAN CROSS OVER
TYPICAL SECTIONS

SHT NO. C0-02

DRAWING NO.
1740H OF 1740

#FILE#



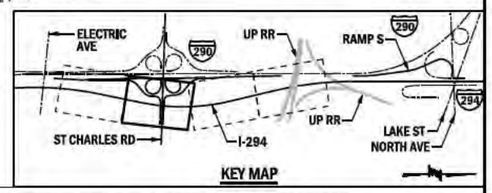
ADVANCE WARNING SIGN SEQUENCE DETAIL NORTHBOUND

0 50 100 150
SCALE IN FEET

LOWER ELMHURST RESERVOIR
UPPER BASIN

END WORK ZONE SPEED LIMIT
G20-I103-6036

EXISTING TEMPORARY CONCRETE BARRIER
EXISTING IMPACT ATTENUATOR
RAMP H
RAMP G
RAMP E
ST CHARLES RD
EX TOLLWAY ROW
MATCH LINE STA 11709+00
SEE SHEET MOT-10
MATCH LINE STA 11723+00
SEE SHEET MOT-12
PR ℄ TRI-STATE TOLLWAY (I-294)
SB I-294
NB I-294
EX ℄ TRI-STATE TOLLWAY (I-294)
11710+00
11715+00
11720+00
11721+32.97
44.65' LT
11721+84.71
82.50' RT
11722+37.99
25.92' RT
12'-6"
12'-0"
12'-0"
12'-0"
25' (TYP)
BOHLANDER AVE
VICTORIA AVE
SEE ADVANCE WARNING SIGN SEQUENCE DETAIL NORTHBOUND STA 11718+85.21



KEY MAP

NEW SHEET

MOT PLAN LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (PREVIOUSLY COMPLETED)
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC FLOW
- IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 (70600280)
- FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- VERTICAL PANELS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- CONSTRUCTION SIGN
- ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- TYPE III BARRICADE
- FLAGGER WITH TRAFFIC CONTROL SIGN
- (A) EXISTING PAVEMENT MARKING
- (B) PAVEMENT MARKING PLACED IN PREVIOUS STAGE
- (1) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID YELLOW) (JT703104)
- (2) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID WHITE) (JT703104)
- (3) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (25' SKIP - 25' DASH WHITE) (JT703104)
- (10) EPOXY PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78005110)
- (11) EPOXY PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78005110)
- (12) EPOXY PAVEMENT MARKING - LINE 4" (25' SKIP - 25' DASH WHITE) (78005110)
- (13) EPOXY PAVEMENT MARKING - LINE 4" (DOTTED WHITE, 3' LINE - 9' GAP) (78005110)
- (14) EPOXY PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78005140)
- (15) EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) (78005100)

FILE

DRAWN BY NMM DATE 04/30/2020
CHECKED BY PJO DATE 04/30/2020

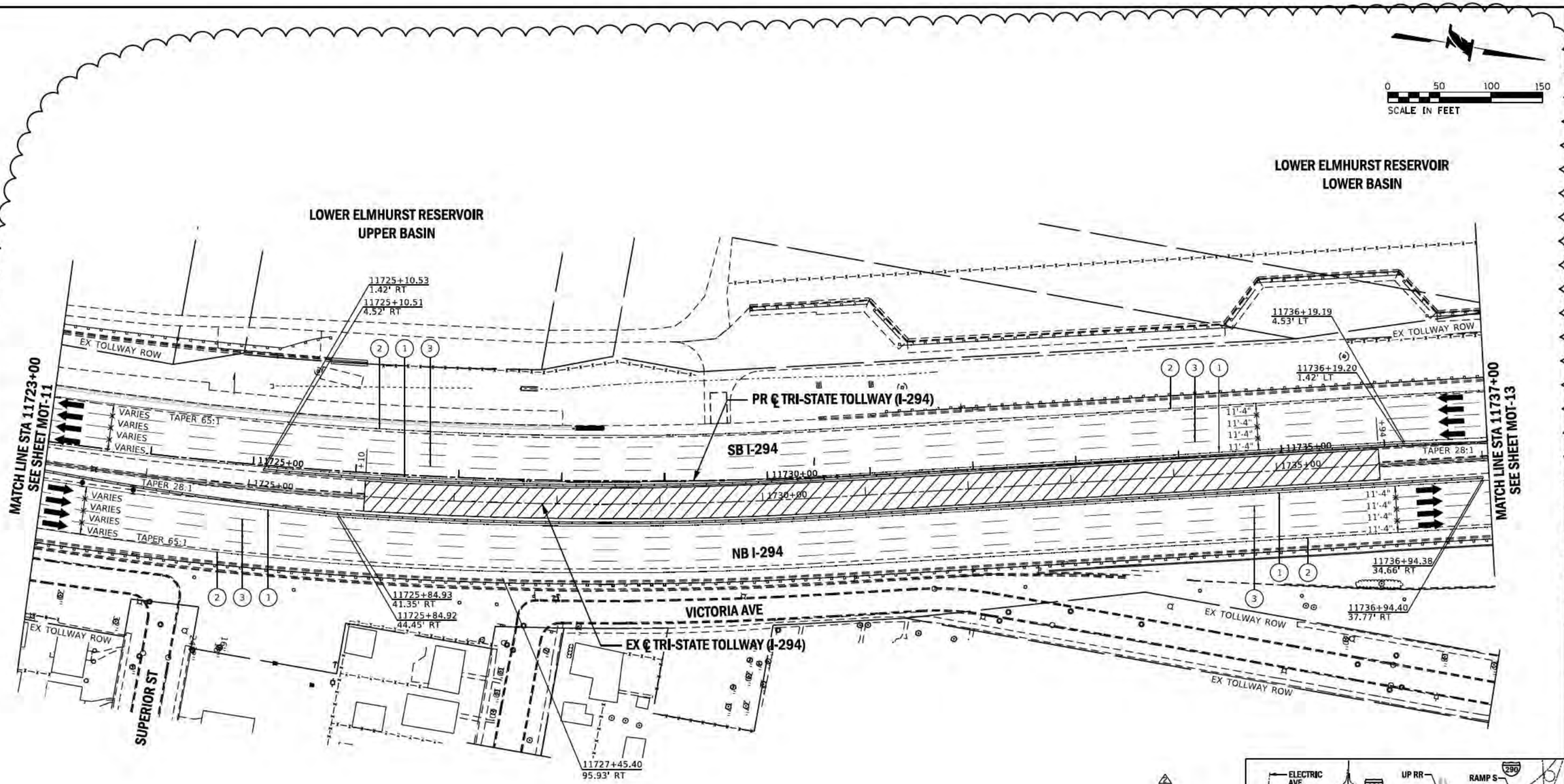
benesch
Alfred Benesch & Company
35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
MOT - I-294 STAGE 1
STA 11709+00 TO STA 11723+00

SHT NO. CO-03
DRAWING NO. 17401 OF 1740



MOT PLAN LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (PREVIOUSLY COMPLETED)
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC FLOW
- IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 (70600280)
- FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- VERTICAL PANELS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- CONSTRUCTION SIGN
- ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- TYPE III BARRICADE
- FLAGGER WITH TRAFFIC CONTROL SIGN
- (A) EXISTING PAVEMENT MARKING
- (B) PAVEMENT MARKING PLACED IN PREVIOUS STAGE

(1) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID YELLOW) (JT703104)
(2) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID WHITE) (IT703104)
(3) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (25' SKIP - 25' DASH WHITE) (JT703104)
(10) EPOXY PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78005110)
(11) EPOXY PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78005110)
(12) EPOXY PAVEMENT MARKING - LINE 4" (25' SKIP - 25' DASH WHITE) (78005110)
(13) EPOXY PAVEMENT MARKING - LINE 4" (DOTTED WHITE, 3' LINE - 9' GAP) (78005110)
(14) EPOXY PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78005140)
(15) EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) (78005100)

#FILE1#

DRAWN BY NMM DATE 04/30/2020
CHECKED BY PJO DATE 04/30/2020

benesch
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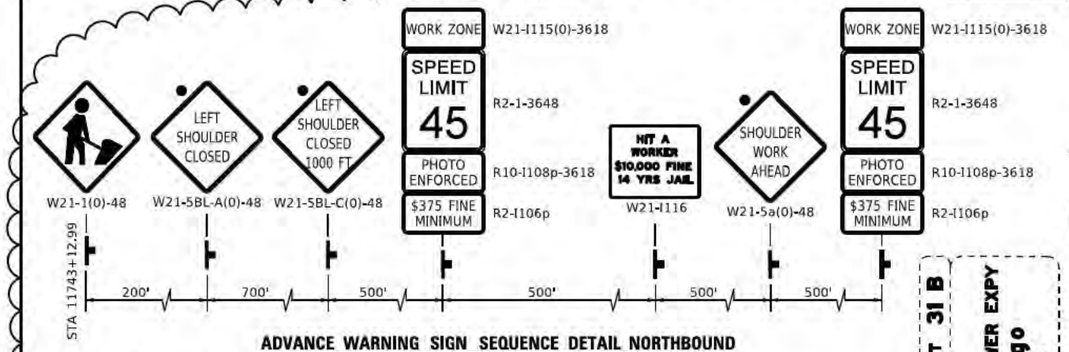
312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

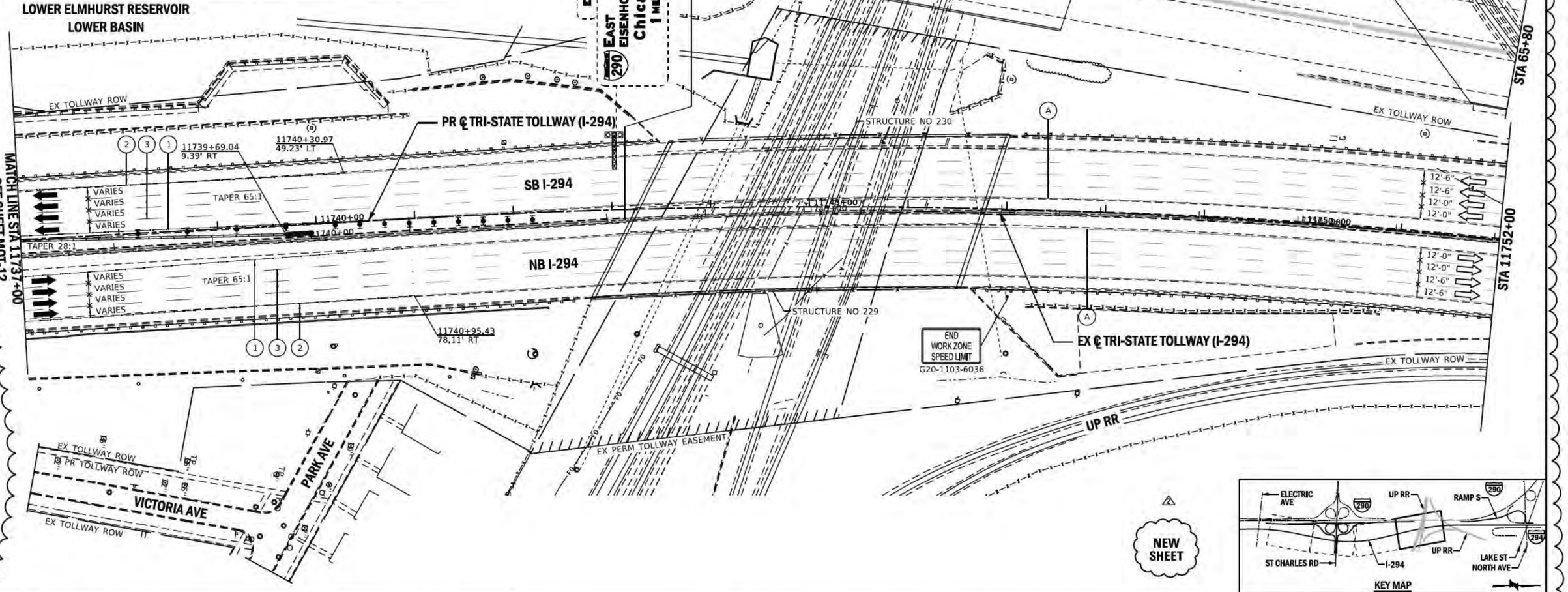
REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
MOT - I-294 STAGE 1
STA 11723+00 TO STA 11737+00

SHT NO. CO-04
DRAWING NO. 1740J OF 1740



ADVANCE WARNING SIGN SEQUENCE DETAIL NORTHBOUND



NEW SHEET

MOT PLAN LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (PREVIOUSLY COMPLETED)
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC FLOW
- IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3 (70600280)
- FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- VERTICAL PANELS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- CONSTRUCTION SIGN
- ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- TYPE III BARRICADE
- FLAGGER WITH TRAFFIC CONTROL SIGN
- (A) EXISTING PAVEMENT MARKING
- (B) PAVEMENT MARKING PLACED IN PREVIOUS STAGE

1. LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID YELLOW) (JT703104)
2. LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID WHITE) (IT703104)
3. LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (25' SKIP - 25' DASH WHITE) (JT703104)
10. EPOXY PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78005110)
11. EPOXY PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78005110)
12. EPOXY PAVEMENT MARKING - LINE 4" (25' SKIP - 25' DASH WHITE) (78005110)
13. EPOXY PAVEMENT MARKING - LINE 4" (DOTTED WHITE, 3' LINE - 9' GAP) (78005110)
14. EPOXY PAVEMENT MARKING - LINE 8" (SOLID WHITE) (78005140)
15. EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) (78005100)

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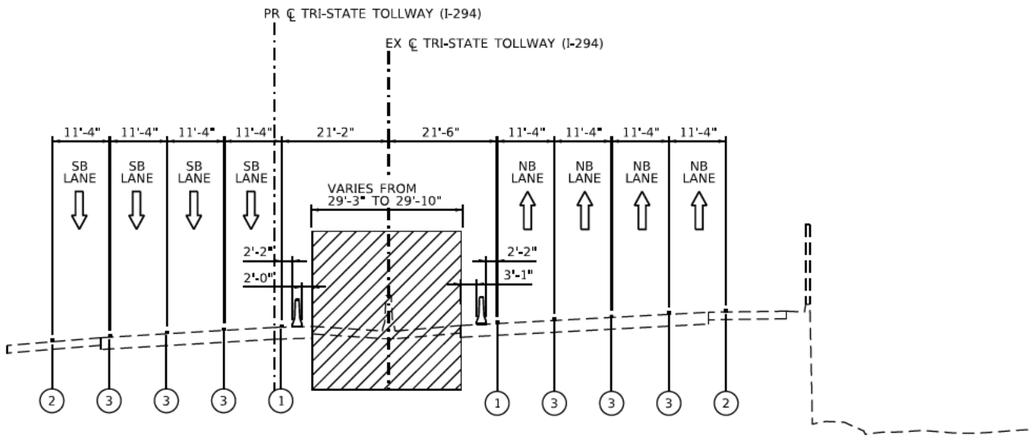
CONTRACT NO. I-17-4339

MOT - I-294 STAGE 1
STA 11737+00 TO STA 11752+00

SHT NO. CO-05

DRAWING NO. 1740K OF 1740



STAGE 1

STA 11725+84.93 TO STA 11736+19.20

△2 NEW SHEET

MOT TYPICAL SECTION LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- TEMPORARY PAVEMENT (PREVIOUS COMPLETED)
- COMPLETED PAVEMENT
- FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012) (FREE STANDING)
- FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012) (ANCHORED ON ONE SIDE)
- FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE (JI704012) (ANCHORED ON BOTH SIDES)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONO-DIRECTIONAL LIGHT @ 50' CENTERS (25' CENTERS ALONG TAPERS AND RAMPS)
- DIRECTION OF TRAFFIC
- (A) EXISTING PAVEMENT MARKING
- (B) PAVEMENT MARKING (PLACED IN PREVIOUS STAGE)
- (1) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID YELLOW) (JT703104)
- (2) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (SOLID WHITE) (JT703104)
- (4) LATE SEASON TEMPORARY PAVEMENT MARKING, 4" (25' SKIP - 25' DASH WHITE) (JT703104)
- (10) EPOXY PAVEMENT MARKING - LINE 4" (SOLID YELLOW) (78005110)
- (11) EPOXY PAVEMENT MARKING - LINE 4" (SOLID WHITE) (78005110)
- (12) EPOXY PAVEMENT MARKING - LINE 4" (25' SKIP - 25' DASH WHITE) (78005110)

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REVISIONS		
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CONTRACT NO. I-17-4339

MOT - I-294 STAGE 1
TYPICAL SECTION

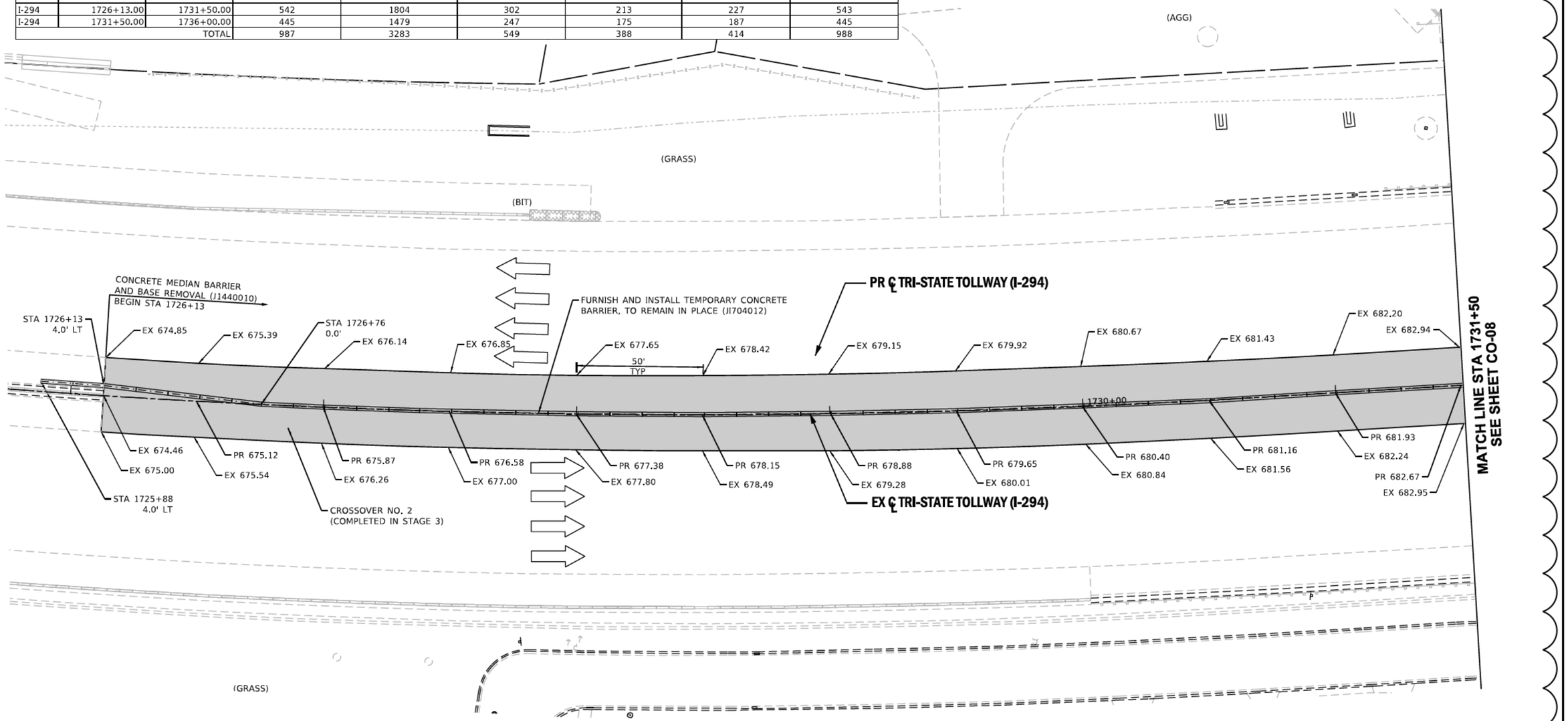
SHT NO. CO-06

DRAWING NO. 1740L OF 1740

pw:\\ascom-pw-p2en1.acecom:ACECM_DSI6_NA\Documents\6854598\7-Central Tri-State DCM\8488 Work Packages\I-17-4301-SG7\30 - C18 - 4301-2 - 45331\50 - I-294-4537\SHT\MOT\4537-SHT-MOT-TYP-ST2-02-ALB.dgn

CROSSOVER ROADWAY ITEMS								
LOCATION			JI440010 CONCRETE MEDIAN BARRIER AND BASE REMOVAL	JI440015 HOT-MIX ASPHALT REMOVAL, VARIABLE DEPTH	JI355121 WARM-MIX ASPHALT BASE COURSE, 9"	JI406048 STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL-12.5, N80	JI406410 WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70	JI704012 FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE
ROAD	START STATION	END STATION	(FOOT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(FOOT)
I-294	1726+13.00	1731+50.00	542	1804	302	213	227	543
I-294	1731+50.00	1736+00.00	445	1479	247	175	187	445
		TOTAL	987	3283	549	388	414	988

0 20 40 60
SCALE IN FEET



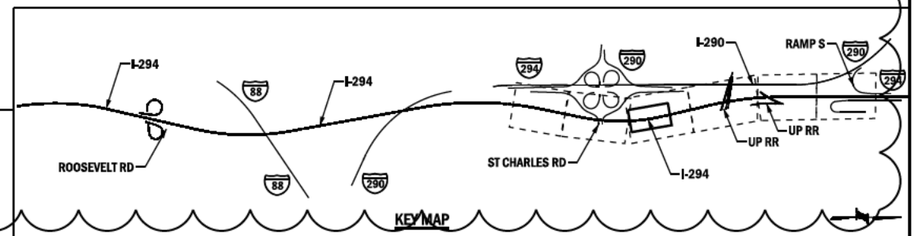
NEW SHEET

NOTES:

1. REFER TO ROADWAY LIGHTING AND DRAINAGE PLANS FOR ADDITIONAL REQUIRED REMOVALS AND PROPOSED IMPROVEMENTS FOR MEDIAN CROSSOVER REHABILITATION WORK.
2. THE BEGINNING AND ENDING 75 FEET OF EACH RUN OF TEMPORARY CONCRETE BARRIER TO REMAIN IN PLACE SHALL BE PINNED ON THE SIDE CLOSEST TO TRAFFIC.

LEGEND

PROPOSED CROSSOVER LOCATIONS SEE CO-02 FOR DETAILED INFORMATION.



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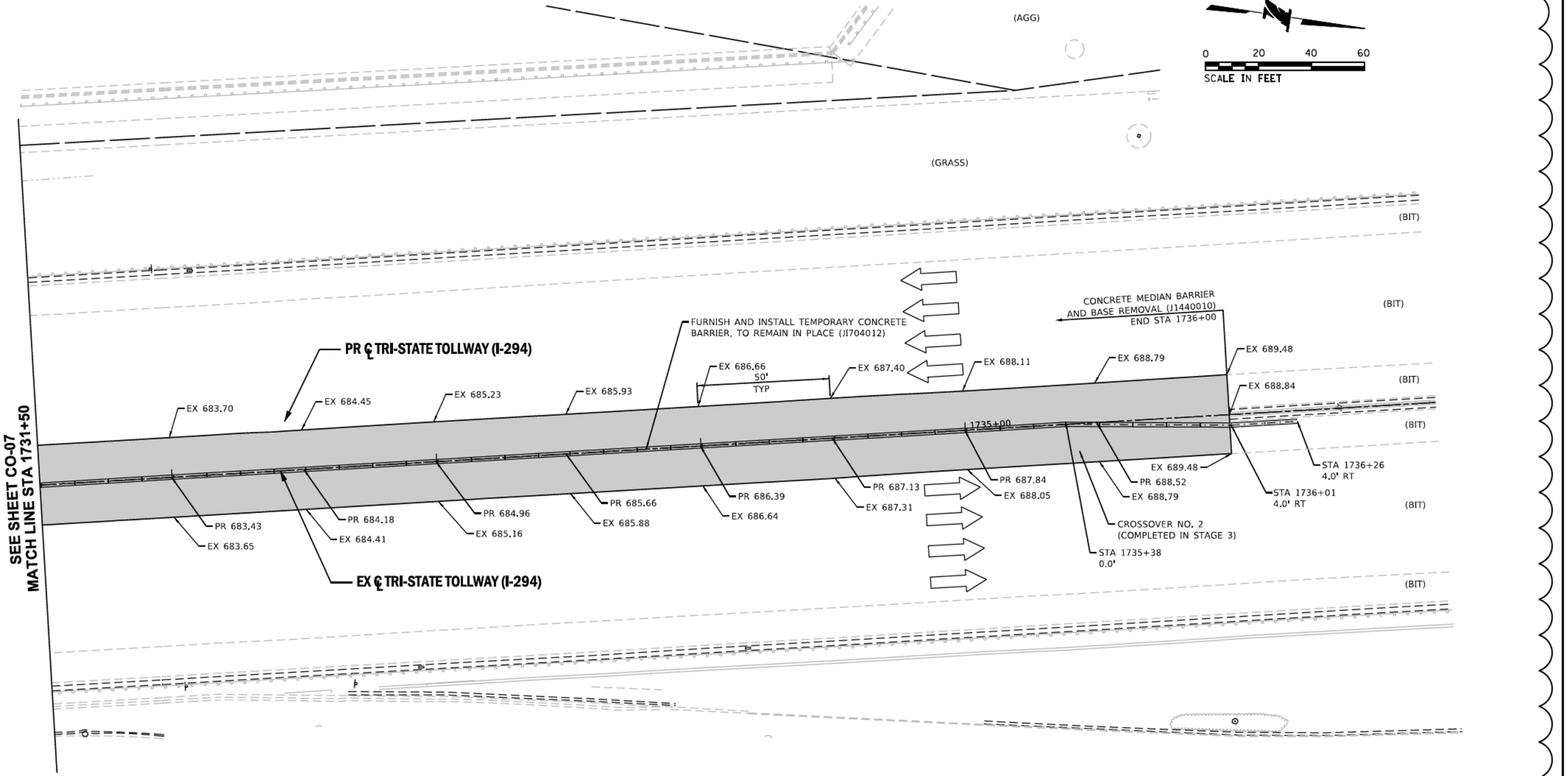
REVISIONS		
NO.	DATE	DESCRIPTION
1	05/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
I-294 MEDIAN CROSSOVER DETAIL STA 1725+75 TO STA 1731+50

SHT NO. CO-07
DRAWING NO. 1740M OF 1740

p:\escomm\projects\Engineering\ECOM_DSIS_NAV\Documents\16854581\Central Tri-State DCNV\3488 Work Packages\I-17-4381-SHT\38 - CIB - 4381-2 - 4533\58 - I-294-4537\01 - DCNV12 - SHT\Roadway\4339\4339-SHT-RDY-02-2PM.dgn



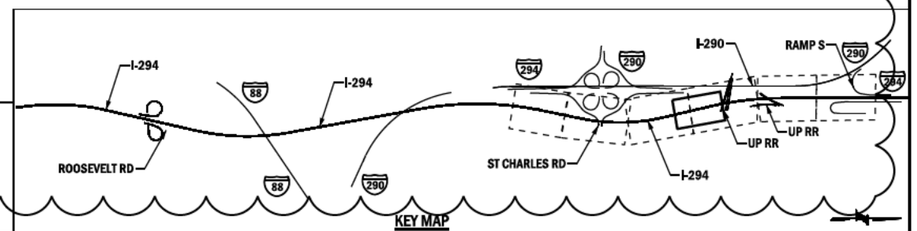
NEW SHEET

NOTES:

1. REFER TO ROADWAY LIGHTING AND DRAINAGE PLANS FOR ADDITIONAL REQUIRED REMOVALS AND PROPOSED IMPROVEMENTS FOR MEDIAN CROSSOVER REHABILITATION WORK.
2. THE BEGINNING AND ENDING 75 FEET OF EACH RUN OF TEMPORARY CONCRETE BARRIER TO REMAIN IN PLACE SHALL BE PINNED ON THE SIDE CLOSEST TO TRAFFIC.

LEGEND

PROPOSED CROSSOVER LOCATIONS
SEE CO-02 FOR DETAILED INFORMATION.



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CONTRACT NO. I-17-4339

I-294 MEDIAN CROSSOVER DETAIL
STA 1731+50 TO STA 1736+75

SHT NO. CO-08

DRAWING NO. 1740N OF 1740

#FILE1#

DRAINAGE GENERAL NOTES

1. MAINTAINING DRAINAGE; IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

2. LENGTHS AND SIZES OF EXISTING STORM SEWERS AS SHOWN ON THE PLANS SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF PROPOSED DRAINAGE ITEMS. THE INVERTS OF PROPOSED DRAINAGE ITEMS CONNECTING TO EXISTING SEWERS OR STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENTS SHALL BE AS DIRECTED BY THE ENGINEER.

3. EXISTING DRAINAGE STRUCTURES TO BE LEFT IN PLACE SHALL BE PROTECTED DURING CONSTRUCTION. IF IN THE OPINION OF THE ENGINEER, THE DRAINAGE STRUCTURES ARE DAMAGED DUE TO THE CONTRACTOR'S OPERATION, THEY SHALL BE REPLACED IN KIND AT NO ADDITIONAL COST TO THE ILLINOIS TOLLWAY.

4. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF THE GUTTER OR DRAINAGE STRUCTURES, DITCHES, ETC. SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES ARE TO BE FREE FROM DIRT AND DEBRIS.

5. ALL EXISTING FIELD DRAINAGE TILE AND OFF-SITE STORM SEWER ENCOUNTERED AND DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITIONS, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM OR PROPOSED DITCHES UNLESS OTHERWISE SPECIFIED.

6. THE CONTRACTOR SHALL VERIFY WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES AND CATCH BASINS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THE USE OF FLAT SLAB TOPS, UNLESS NOTED OTHERWISE ON PLANS.

7. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

DRAINAGE STRUCTURES SYMBOLS

	EXISTING	PROPOSED
CATCH BASIN TYPE G-2	▫	▪
CATCH BASIN TYPE G-3	▫	▪
CATCH BASIN TYPE G-3 MODIFIED	▫	▪
CATCH BASIN TYPE G-4	▫	▪
CATCH BASIN TYPE G-5	▫	▪
DRAINAGE STRUCTURE 4	▫	▪
DRAINAGE STRUCTURE 5	▫	▪
CATCH BASIN TYPE A W/ TYPE 20A F&G	▫	▪
CATCH BASIN TYPE A W/ TYPE 21A F&G	▫	▪
MANHOLE	▫	▪
FLARED END SECTION	▫	▪
HEADWALL	▫	▪
SLOPED HEADWALL	▫	▪
DRAINAGE SCUPPER DS-11	▫	▪
DRAINAGE SCUPPER DS-12	▫	▪
DRAINAGE SCUPPER DS-33	▫	▪

DRAINAGE LEGEND SYMBOLS

	EXISTING	PROPOSED
REFERENCE LINE/CENTERLINE AND STATIONING		
RIGHT OF WAY LINE		
DRAINAGE DIVIDE HYDROLOGIC ATLAS		
INTERPRETED DRAINAGE AREA		
FLOODPLAIN BOUNDARY		
FLOODWAY BOUNDARY		
WETLAND		
SHALLOW CONC./GUTTER FLOW	SC/G	SC/G
SWALE		
DITCH		
PAVED DITCH		
OUTLET		
SHEET FLOW		
OVERFLOW		
CHANNEL		
DIVERTED AREA		
CULVERT SIZE - TYPE	2' X 2' BOX	2' X 2' BOX
BRIDGE LOCATION - BRIDGE NO.		
PUMP STATION	PS	PS
PIPE UNDERDRAIN		
TRENCH DRAIN		
LOCAL STORM SEWER	L	L
STORM SEWER		
SANITARY SEWER		
COMBINED SEWER		
HIGH POINT		
LOW POINT		
DRAINAGE DITCH CHECK		
DRAINAGE WATER SURFACE INDICATOR		
DRAINAGE RIPRAP		
DRAINAGE STRUCTURE TO BE ADJUSTED		ADJ
DRAINAGE STRUCTURE TO BE FILLED		F
DRAINAGE STRUCTURE TO BE RECONSTRUCTED		REC
DRAINAGE STRUCTURE REMOVAL		R
STORM SEWER TO BE REMOVED		
STORM SEWER TO BE ABANDONED		

NEW SHEET

DRAWN BY KO DATE 04/30/2020
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
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ILLINOIS 60515

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1	05/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

DRAINAGE GENERAL NOTES AND LEGEND

SHT NO. C0-09
DRAWING NO. 17400 OF 1740

$FILE$

CROSSOVER DRAINAGE - STRUCTURE SCHEDULE

STRUCTURE NUMBER	ROAD	STATION	OFFSET		RIM ELEVATION	STRUCTURE TYPE	PAY ITEM NUMBER	INVERT ELEVATION				STANDARD DETAIL	NOTES
								NORTH	SOUTH	EAST	WEST		
-	I-294	1730+06.21	0.00	CL	680.16	EXISTING INLET, TYPE M-2	-	677.25	675.86				
S-302	I-294	1730+21.75	0.00	CL	680.73	CATCH BASIN, TYPE B	JI602010		677.56			B7 (ILLINOIS TOLLWAY)	NEENAH TYPE R-3455C FRAME & GRATE OR EQUIV.
-	I-294	1733+01.88	0.00	CL	684.52	EXISTING INLET, TYPE M-2	-	680.80		680.42			
S-303	I-294	1735+20.00	0.00	CL	688.11	CATCH BASIN, TYPE B	JI602010		684.94			B7 (ILLINOIS TOLLWAY)	NEENAH TYPE R-3455C FRAME & GRATE OR EQUIV.

CROSSOVER DRAINAGE - PIPE SCHEDULE

PIPE NUMBER	FROM		TO		PAY ITEM DESCRIPTION	PAY ITEM NUMBER	TRENCH BACKFILL (CU YD) 20800150	LENGTH (FT)	SLOPE (%)	NOTES
	STRUCTURE	STATION	STRUCTURE	STATION						
P-302	S-302	1730+21.75	-	1730+06.21	TEMPORARY STORM SEWER 12"	X1200044	2.3	12	2.58%	
P-303	S-303	1735+20.00	-	1733+01.88	TEMPORARY STORM SEWER 12"	X1200044	50.8	215	1.93%	

CROSSOVER DRAINAGE - ADJUSTMENT SCHEDULE

ROAD	STATION	OFFSET		STRUCTURE TYPE	60250400 CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EX RIM ELEVATION	PR RIM ELEVATION	NOTES
I-294	1727+03.19	0.00	CL	EXISTING INLET, TYPE M-2	1	675.58	675.80	TWO NEW TYPE 1 FRAME AND LIDS REQUIRED
I-294	1730+06.19	0.00	CL	EXISTING INLET, TYPE M-2	1	680.16	680.42	TWO NEW TYPE 1 FRAME AND LIDS REQUIRED
I-294	1733+02.03	0.00	CL	EXISTING INLET, TYPE M-2	1	684.52	684.85	TWO NEW TYPE 1 FRAME AND LIDS REQUIRED

CROSSOVER DRAINAGE - STORM SEWERS TO BE CLEANED

FROM			TO			LENGTH (FT)	SIZE (INCH)	PAY ITEM NUMBER	PAY ITEM DESCRIPTION
STATION	OFFSET		STATION	OFFSET					
1727+03.38	1.99	LT	1730+06.24	2.10	LT	303	15	X5537900	STORM SEWERS TO BE CLEANED 15"

NEW SHEET

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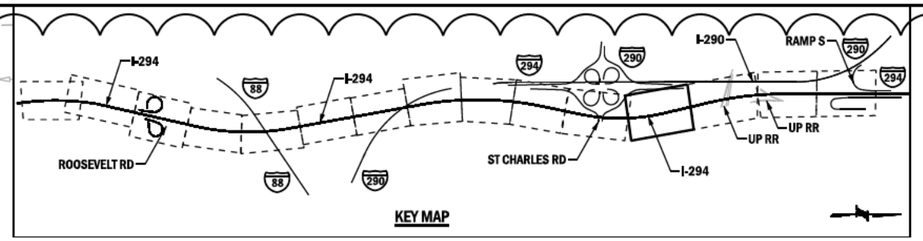

0 50 100 150
SCALE IN FEET

EX ℄ TRI-STATE TOLLWAY (I-294)

1740+00
1740+00
1735+00
1735+00
S-303
P-303
S-302
P-302
1730+00
1730+00
A-FG
12" CMP
A-FG
15" RCP
15" RCP
C
1725+00
SC/G
SC/G
A-FG

NEW SHEET

CROSSOVER DRAINAGE LEGEND

S-###	PROPOSED DRAINAGE STRUCTURE CALLOUT
P-###	PROPOSED STORM SEWER CALLOUT
A-FG	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (60250400)
C	STORM SEWERS TO BE CLEANED
	CATCH BASIN, TYPE B (JI602010)
	PROPOSED CROSSOVER LIMITS (SEE ROADWAY PLANS FOR GRADING INFORMATION)
SC/G	EXISTING SHALLOW CONC./GUTTER FLOW

#FILE#

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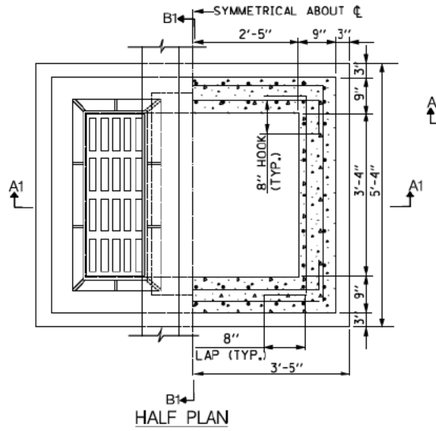
CONTRACT NO. I-17-4339

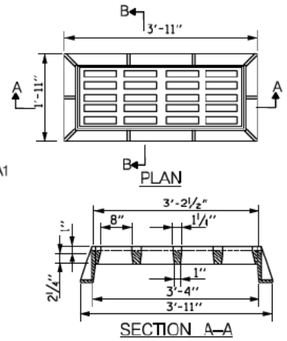
I-294 MEDIAN CROSSOVER DRAINAGE
STA 1726+45 TO STA 1736+00

SHT NO. CO-11

DRAWING NO.
1740Q OF 1740



HALF PLAN

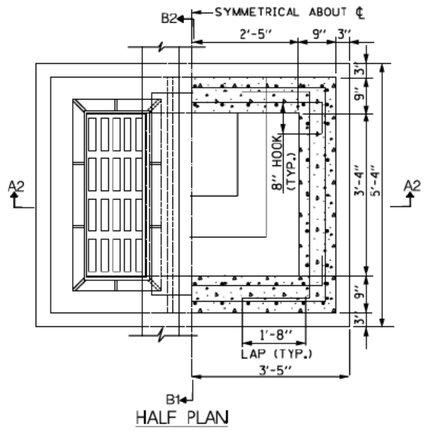


PLAN

SECTION B–B

SECTION A–A

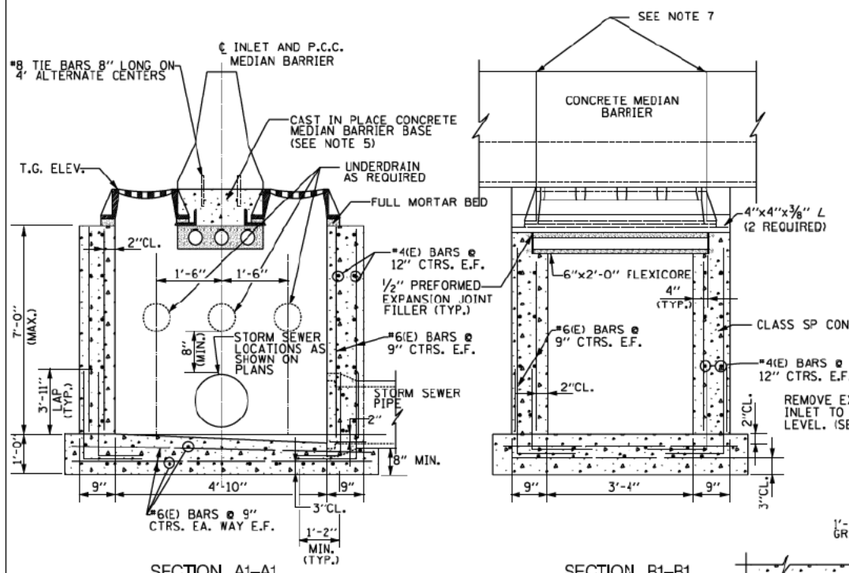
FRAME AND GRATE DETAIL



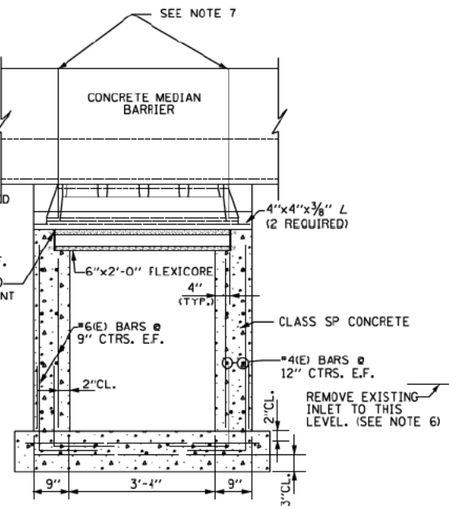
HALF PLAN

NOTES:

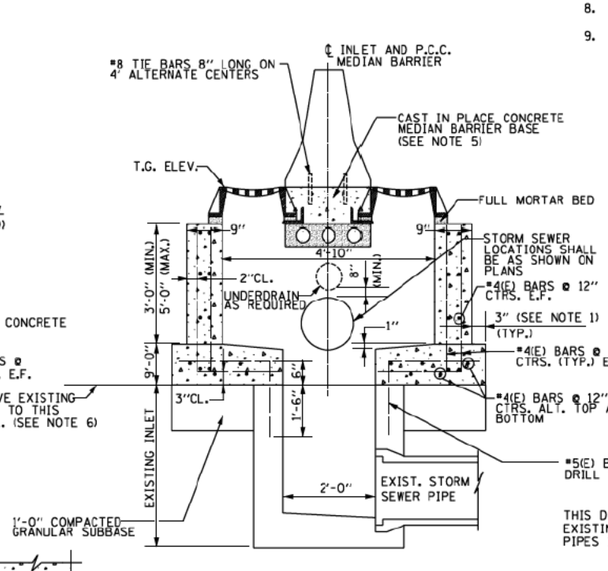
1. PRECAST CONCRETE UNITS FOR TYPES M-2 AND M-3 WILL BE ACCEPTABLE PROVIDED THEY MEET ALL THE REQUIREMENTS SHOWN ON THIS DRAWING. BASE EXTENSION OF 3" NOT REQUIRED FOR PRECAST UNITS. FABRICATION DRAWINGS SHOWING PIPE OPENINGS, REINFORCEMENT AND OTHER PERTINENT DIMENSIONS WILL BE REQUIRED FOR EACH UNIT.
2. ALL FRAMES AND GRATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M105 (ASTM SPECIFICATION DESIGNATION A48, CLASS 30) FOR GRAY IRON CASTINGS, OR A 536 GRADE 65-45-12 FOR DUCTILE IRON CASTINGS.
3. THE CONTRACT UNIT PRICE PER EACH TYPE SHALL INCLUDE ALL EXCAVATION, BACKFILL, CONCRETE, REINFORCEMENT, FRAMES, GRATES, FLEXICORE AND OTHER INCIDENTALS AS SPECIFIED IN THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
4. FRAME AND GRATE FOR TYPE M-2 AND M-3 STRUCTURES TO BE NEENAH FOUNDRY CO. NO. R-3346 FRAME WITH TYPE 'C' GRATE, OR APPROVED EQUAL.
5. CAST IN PLACE CONCRETE MEDIAN BARRIER BASE WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE PER L.F. FOR CONCRETE MEDIAN BARRIER BASE OF THE TYPE ADJACENT TO THE INLET.
6. PARTIAL REMOVAL OF EXISTING INLETS FOR CONSTRUCTION OF TYPE M-3 INLETS WILL BE PAID FOR AS "INLET REMOVAL", EACH, IN ACCORDANCE WITH THE CONTRACT SPECIAL PROVISIONS.
7. 1" DEEP CONTRACTION JOINT SHALL BE CONSTRUCTED IN THE BARRIER WALL ONLY (NOT IN THE BARRIER BASE) AT BOTH SIDES OF ALL DRAINAGE STRUCTURES.
8. INLETS SHALL ONLY BE USED IN AREAS OF ROCK EXCAVATION.
9. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.



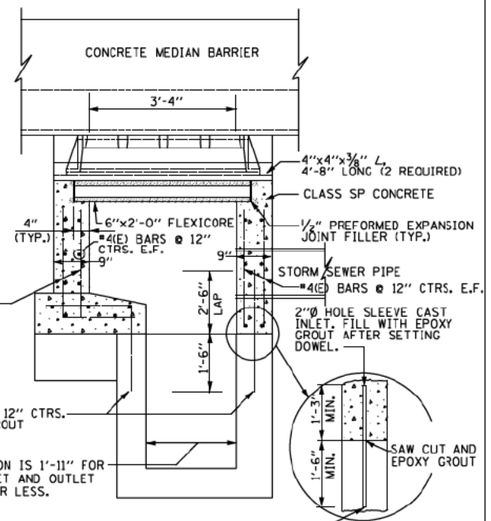
SECTION A1–A1



SECTION B1–B1



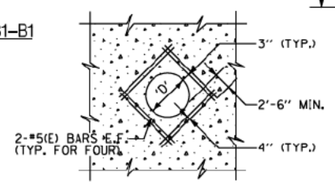
SECTION A2–A2



SECTION B2–B2

INLET TYPE M–2

INLET TYPE M–3



TYPICAL REINFORCEMENT AROUND STORM SEWER PIPE

DRILL ¾"Ø HOLE FOR #5(E) TIE BARS AND EPOXY GROUT IN PLACE @ 12" C.C. SAW CUT FULL DEPTH AROUND EXISTING INLET TO PROVIDE A SMOOTH SEAT, OR CAST A CAP OF EPOXY GROUT AND FINISH TO A SMOOTH SURFACE.

DETAIL CONNECTION PRE-CAST INLET TYPE M–3

APPROVED Jeff Daly CHIEF ENGINEER DATE 6-22-2004

CTE ENGINEERS
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

STANDARD SD 04-21B

INLETS TYPE M–2 AND TYPE M–3

DRAWING NO. B20 OF

NEW SHEET

EXISTING DRAINAGE STRUCTURE DETAIL (SHOWN FOR REFERENCE ONLY)

DRAWN BY	KO	DATE	04/30/2020
CHECKED BY	JR	DATE	04/30/2020

2IM GROUP
2IM Group, LLC
118 South Clinton St.
Suite 350
Chicago, IL 60661

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
1	05/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339

DRAINAGE DETAILS
I-294 MEDIAN CROSSOVER

SHT NO. CO-12

DRAWING NO. 1740R OF 1740

FILE1

ROADWAY LIGHTING GENERAL NOTES:

1. PRIOR TO THE INSTALLATION OF THE NEW CABLE DUCT, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATION AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES AND UNDERGROUND UTILITIES. THE CONTRACTOR MUST COORDINATE WITH THE TOLLWAY TO AID IN THIS TASK.

2. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT.

3. ALL NEW CABLE DUCT, CONDUITS, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.

4. LIGHT POLE HANDHOLES SHALL BE ORIENTED SUCH THAT WORKERS ACCESSING THE HANDHOLE FACE ONCOMING TRAFFIC.

5. THE ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:
   - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
   - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
   - ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA)
   - AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
   - US DEPARTMENT OF TRANSPORTATION (USDOT)
   - UNDERWRITERS LABORATORIES (UL)
   - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
   - INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)

6. CONDUIT AND CABLE DUCT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH UNDERDRAINS AND OTHER EXISTING UNDERGROUND FACILITIES.

7. ROADWAY LED PHOTOMETRIC DISTRIBUTIONS TO BE USED VARY DEPENDING ON LOCATION FOR SOME MANUFACTURERS. LABELS SHOWN ON THE PLANS ARE BASED ON THE PROPOSED LED LUMINAIRE TABLE PHOTOMETRIC DISTRIBUTION ON THIS SHEET.

8. LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.

9. LIGHTING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND IDOT AND TOLLWAY SUPPLEMENTAL SPECIFICATIONS.

10. ANY LIGHT POLES UPSTATION AND DOWNSTATION OF LIGHTS TO BE REMOVED MUST REMAIN IN SERVICE OR CONNECTED TO THEIR RESPECTIVE CONTROLLER.

11. EXISTING LIGHTING SHALL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL.

CABLE LEGEND

- (A) UNIT DUCT, 4-1/C NO 2 AND 1/C NO 4 GROUND, 600V (XLP-TYPE USE), 2" DIA CNC
- (B) AERIAL CABLE, 4-1/C NO 2 WITH MESSENGER WIRE
- (C) UNDERGROUND CONDUIT, CNC 3" DIA

ABBREVIATIONS

AMP	AMPERE
ATS	ATTACHED TO STRUCTURE
CKT	CIRCUIT
CNC	COILABLE NON METALLIC CONDUIT
GND	GROUND
HPS	HIGH PRESSURE SODIUM
KW	KILOWATT
LED	LIGHT EMITTING DIODE
MA	MAST ARM
MH	MOUNTING HEIGHT
P	POLE
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
SS	STAINLESS STEEL
TEMP	TEMPORARY
UIP	USE IN PLACE
V	VOLT
W	WATTS
W/	WITH
W/O	WITHOUT
XPL	CROSS-LINKED POLYETHYLENE

LEGEND

- EXISTING 50' ALUMINUM POLE TO REMAIN
- EXISTING 50' ALUMINUM POLE TO REMOVED
- E — EXISTING LIGHTING CONTROLLER AND FOUNDATION TO BE REMOVED
- 1 — PROPOSED 90' WOOD POLE W/ FLOOD LIGHT UNIT (65' MH)
- 2 — PROPOSED 70' WOOD POLE W/ FLOOD LIGHT UNIT (50' MH)
- 4 — PROPOSED FLOOD LIGHT UNIT (65' MH) ON EXISTING 90' WOOD POLE
- 2 — EXISTING 90' WOOD POLE
- HD — PROPOSED TOLLWAY HANDHOLE
- UNIT DUCT
- CONDUIT SLEEVE
- AERIAL CABLE FOR TEMPORARY LIGHTING

PROPOSED LED LUMINAIRE TABLE

DISTRIBUTION LABEL	PHOTOMETRIC DISTRIBUTION - MAIN
	CREE
	OSQ-HO-A-XX-3ME-5OL-40K-UL-CO

(2) NEW SHEET

CROSSOVER LIGHTING SCHEDULE OF QUANTITIES:

PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	3,992
JI830210	TEMPORARY WOOD POLE, 90 FT., CLASS 2, TO REMAIN IN PLACE	EACH	1
JI830240	TEMPORARY WOOD POLE, 70 FT., CLASS 3, TO REMAIN IN PLACE	EACH	6
JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	290
JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,410
JS842080	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	5
JS842105	POLE FOUNDATION, REMOVED	EACH	5
JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	EACH	11

p:\tescomnewpanels\ecom_osis_mv\documents\68245817-central tri-state dcm\0400 work packages\i-17-4301-507\c39 - c18 - 4301-2 - 4533\48- 4476\01 - ddn\12 - sht\lighting\4476-sht-lt-01-48-6032.dgn

DRAWN BY JLW DATE 04/30/2020
CHECKED BY GHT DATE 04/30/2020

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
LIGHTING GENERAL NOTES, LEGEND, ABBREVIATIONS, & BILL OF MATERIALS

SHT NO. CO-13
DRAWING NO. 1740S OF 1740

LOWER ELMHURST RESERVOIR
UPPER BASIN

PR PERM TOLLWAY EASEMENT
PR TOLLWAY ROW
EX TOLLWAY ROW

RAMP H
RAMP G
ST CHARLES RD
EX TOLLWAY ROW
MATCH LINE STA 11709+00
SEE SHEET LT-02
MATCH LINE STA 11723+00
SEE SHEET LT-04
CROSSOVER NO 1
11710+00
1710+00
R
PR ℄ TRI-STATE TOLLWAY (I-294)
11715+00
1715+00
EX ℄ TRI-STATE TOLLWAY (I-294)
SB I-294
11720+00
1720+00
NB I-294
(A)(A)(A)
(B)(B)(B)
(TYP)
EX TOLLWAY ROW
BOHLANDER AVE
VICTORIA AVE
EXISTING TOLLWAY CONTROLLER 91K
POLE NO 61
STA 1717+97.27
110.34' RT
POLE NO. 62
STA 1719+67.99
88.00' RT
POLE NO. 63
STA 1720+64.26
95.57' RT
PR TOLLWAY ROW
POLE NO. 64
STA 1790+17.20
71.89' RT

△2
NEW SHEET

0 50 100 150
SCALE IN FEET

CABLE LEGEND

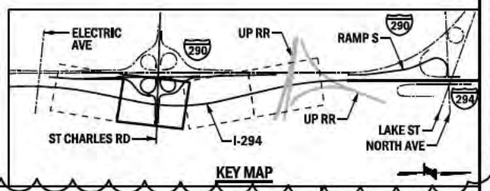
(A) UNIT DUCT, 4-1/C NO 2 AND 1/C NO 4 GROUND, 600V (XLP-TYPE USE), 2" DIA CNC

(B) AERIAL CABLE, 4-1/C NO 2 WITH MESSENGER WIRE

(C) UNDERGROUND CONDUIT, CNC 3" DIA

NOTES:

1. PROVIDE A MINIMUM BENDING RADIUS OF 26 INCHES FOR THE 2" DIAMETER CNC UNIT DUCT PER TABLE 354.24 OF THE NATIONAL ELECTRIC CODE.
2. WORK RELATED TO PENERATING THE EXISTING RETAINING WALL FOR INSTALLATION OF THE UNDERGROUND CONDUIT SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 81028770.
3. EXISTING WOOD POLES TO REMAIN INCLUDE EXISTING FIBER OPTIC CABLE TO REMAIN. CONTRACTOR SHALL PROTECT THESE LINES TO ENSURE THAT THEY ARE NOT DAMAGED DURING THE INSTALLATION OF THE PROPOSED AERIAL POWER CABLES OR TEMPORARY LIGHTING UNITS.



KEY MAP

DRAWN BY JLW DATE 04/30/2020
CHECKED BY GHT DATE 04/30/2020

benesch
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35 West Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-3450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
△2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
TEMPORARY LIGHITNG PLAN
STA 11709+00 TO STA 11723+00

SHT NO. EO-14
DRAWING NO. 1740T OF 1740

FILE

LOWER ELMHURST RESERVOIR

0 50 100 150
SCALE IN FEET

LOWER ELMHURST RESERVOIR
UPPER BASIN

LOWER ELMHURST RESERVOIR
LOWER BASIN

POLE NO. 69
CKT 13
STA 1726+15.00
139.36' LT, 50' MH

POLE NO. 71
CKT 14
STA 1728+15.00
138.94' LT, 50' MH

POLE NO. 73
CKT 13
STA 1730+15.00
136.82' LT, 50' MH

POLE NO. 75
CKT 14
STA 1732+14.80
135.34' LT, 50' MH

POLE NO. 77
CKT 13
STA 1734+15.16
134.55' LT, 50' MH

POLE NO. 78
CKT 14
STA 1736+15.00
133.38' LT, 50' MH

PR PERM TOLLWAY EASEMENT
PR TOLLWAY ROW
PR TEMP TOLLWAY EASEMENT
EX TOLLWAY ROW

MATCH LINE STA 11723+00
SEE SHEET LT-03

CROSSOVER NO 2
SB I-294
PR ℄ TRI-STATE TOLLWAY (I-294)
EX ℄ TRI-STATE TOLLWAY (I-294)
NB I-294

11725+00
11730+00
11735+00

SEE NOTE 1
SEE NOTE 2

VICTORIA AVE

SUPERIOR ST

POLE NO. 66
STA 1724+56.92
92.58' RT

POLE NO. 68
CKT 11
STA 1727+09.05
98.41' RT, 65' MH

POLE NO. 70
CKT 12
STA 1730+14.98
88.76' RT, 65' MH

POLE NO. 72
CKT 11
STA 1732+49.65
98.28' RT, 65' MH

POLE NO. 74
CKT 12
STA 1734+18.72
111.97' RT, 65' MH

POLE NO. 76
CKT 11
STA 1736+16.38
132.08' RT, 65' MH

2
NEW SHEET

CABLE LEGEND

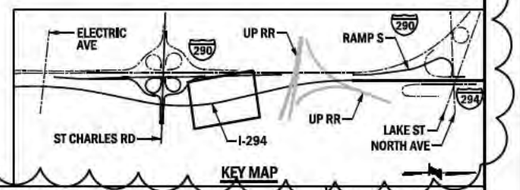
(A) UNIT DUCT, 4-1/C NO 2 AND 1/C NO 4 GROUND, 600V (XLP-TYPE USE), 2" DIA CNC

(B) AERIAL CABLE, 4-1/C NO 2 WITH MESSENGER WIRE

(C) UNDERGROUND CONDUIT, CNC 3" DIA

NOTES:

1. CONNECT EXISTING REMAINING MEDIAN MOUNTED LIGHT POLES TO CIRCUIT C7/C8 OF EX CONTROLLER 91K.
2. REMOVE POLE FOUNDATION AS NECESSARY BEYOND THE SPECIFIED 2' BELOW GRADE TO FACILITATE NEW SEWER INSTALLATION. THERE IS NO DIRECT PAYMENT FOR THIS WORK AND SHOULD BE CONSIDERED INCIDENTAL TO PAY ITEM JS842105.
3. PROVIDE A MINIMUM BENDING RADIUS OF 26 INCHES FOR THE 2" DIAMETER CNC UNIT DUCT PER TABLE 354.24 OF THE NATIONAL ELECTRIC CODE.
4. WORK RELATED TO PENERATING THE EXISTING RETAINING WALL FOR INSTALLATION OF THE UNDERGROUND CONDUIT SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 81028770.



KEY MAP

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CHECKED BY	GHT	DATE	04/30/2020

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Chicago, Illinois 60601
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	5/19/2020	ADDENDUM NO 2

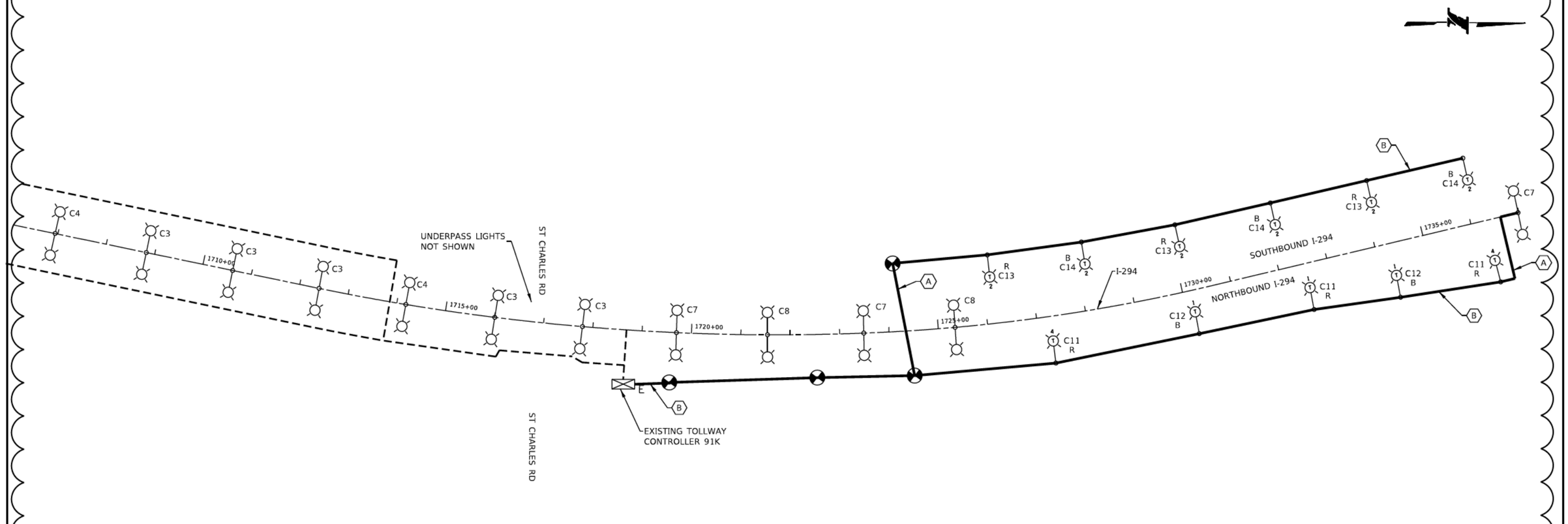
CONTRACT NO. I-17-4339

TEMPORARY LIGHITNG PLAN
STA 11723+00 TO STA 11737+00

SHT NO. CO-15

DRAWING NO.
1740U OF 1740

@FILE1@



CROSSOVER NO 2 & 3

LIGHTING SYMBOLS

- EXISTING SINGLE HEAD POLE
- EXISTING DOUBLE HEAD POLE
- B — PROPOSED LIGHTING UNIT, AS SPECIFIED ON PLANS, ON BLACK PHASE
- R — PROPOSED LIGHTING UNIT, AS SPECIFIED ON PLANS, ON RED PHASE
- E — EXISTING TOLLWAY LIGHTING CONTROLLER
- EXISTING CIRCUITRY (BURIED OR ATTACHED TO STRUCTURE)
- PROPOSED CIRCUITRY
- PROPOSED WOOD POLE

LEGEND

- (A) UNIT DUCT, 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC
- (B) AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE

NOTE:

1. SEE AS-BUILT PLANS IN CONTRACT CIP 663 FOR EXISTING CIRCUITRY INFORMATION REGARDING TOLLWAY CONTROLLER 91K.

(2) NEW SHEET

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2700 OGDEN AVENUE
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ILLINOIS 60515

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CONTRACT NO. I-17-4339

TEMPORARY LIGHTING I-294
LIGHTING CONTROLLER WIRING DIAGRAM

SHT NO. CO-16

DRAWING NO. 1740V OF 1740

FILE

SERVICE	WATTS		WATTS	SERVICE
CONTROL POWER		2P 15A 20A 2P		SPARE
SOUTH ON S.B. LANES	5425	#2 1 2 #2	5890	SOUTH ON S.B. LANES
MEDIAN SOUTH	7840	#2 3 4 #2	6380	MEDIAN SOUTH
SOUTH ON N.B. LANES	4185	#2 5 6 #2	4185	SOUTH ON N.B. LANES
MEDIAN NORTH	1960	#2 7 8 #2	930	MEDIAN NORTH
SPARE		9 10		SPARE
SPARE		11 12		SPARE
SPARE		13 14		SPARE
SPARE		15 16		SPARE
SPARE		17 18		SPARE

225A

SECT. A

SECT. B

NEW PANEL "91K"

ST. CHARLES ROAD

OUTDOOR
ALL BREAKERS 2 POLE, 30A
600 VOLT
UNLESS NOTED

EX LIGHTING CONTROLLER (91K) FROM AS-BUILT

I-294

NOTES:

1. TEMPORARY LIGHT UNITS FROM STATION 1707+00 TO STATION 1737+00 WILL USE SPARE CIRCUITS C9/C10, C11/C12 AND C13/C14 IN THIS CONTROLLER.
2. ANY LIGHT POLES UPSTATION AND DOWNSTATION OF LIGHTS TO BE REMOVED MUST REMAIN IN SERVICE OR CONNECTED TO THIS CONTROLLER.

△2 NEW SHEET

DRAWN BY JLW DATE 04/30/2020
CHECKED BY GHT DATE 04/30/2020

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312-565-0450

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
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△2	5/19/2020	ADDENDUM NO 2

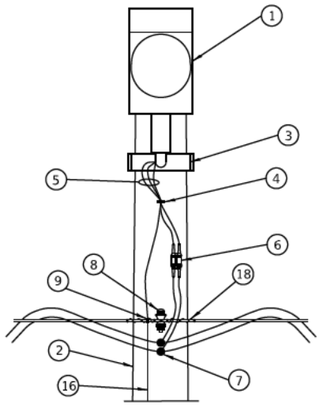
CONTRACT NO. I-17-4339

LIGHTING CONTROLLER
PANEL BOARD SCHEDULE

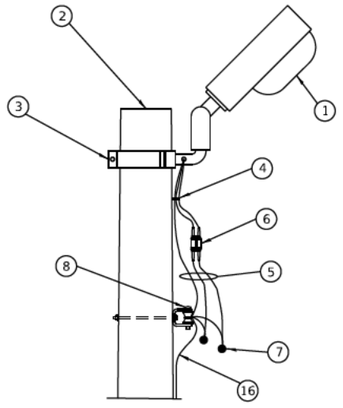
SHT NO. CO-17

DRAWING NO.
1740W OF 1740

$FILE$



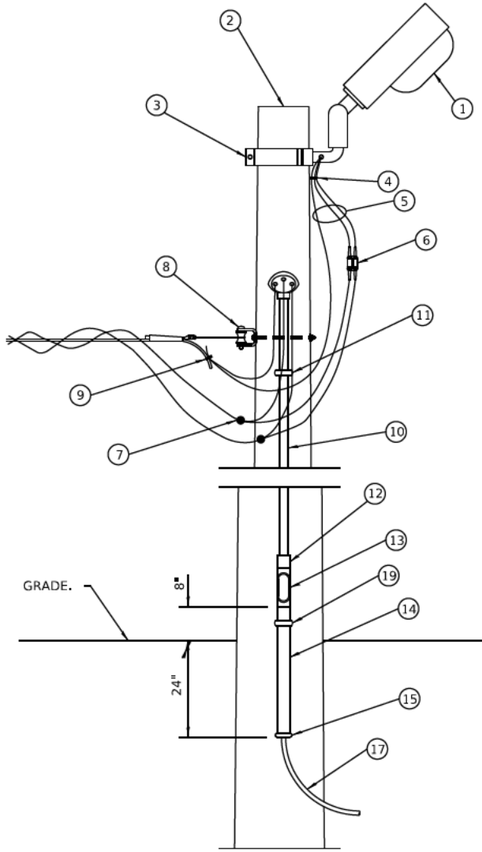
FACING VIEW
N.T.S.



SIDE VIEW
N.T.S.

LUMINAIRE MOUNTING DETAILS

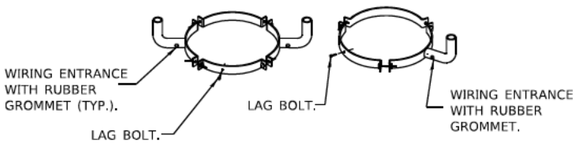
28' LUMINAIRE MOUNTING HEIGHT
UNLESS NOTED OTHERWISE ON PLANS.



LIGHT POLE WITH CIRCUIT ROUTED UNDERGROUND
N.T.S.

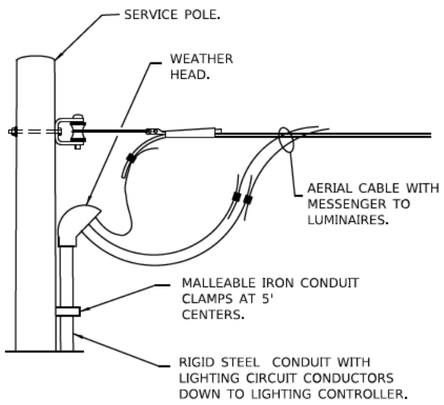
1. LUMINAIRE, SIZE AND TYPE AS NOTED.
2. WOOD LIGHT POLE, 40', CLASS 4 (TYP.). *
3. LUMINAIRE MOUNTING BRACKET.
4. CABLE CLAMPS ON 24" CENTERS.
5. 3#10 XLP-USE CABLE.
6. WATERPROOF, TWO-POLE FUSE HOLDER WITH FUSES.
7. WATERPROOF INSULATION PIERCING TAP CONNECTOR.
8. HEAVY DUTY INSULATED PULLEY CLEVIS WITH MOUNTING BOLT AND HARDWARE.
9. GROUND CLAMP.
10. 1' RIGID STEEL CONDUIT. *
11. MALLEABLE IRON CONDUIT CLAMPS, 5' INTERVALS.
12. THREADED CONDUIT REDUCER.
13. "C" CONDULET, THREADED.
14. 1 1/2" RIGID STEEL CONDUIT. *
15. CONDUIT BUSHING.
16. #6 BARE COPPER GROUND WIRE TO 10 FT. GROUND ROD, EVERY THIRD LIGHT POLE.
17. UNIT DUCT.
18. WIRE TIE.
19. MALLEABLE IRON CONDUIT CLAMP BELOW "C" CONDULET.

* SIZE LARGER AS NEEDED.



TWIN **SINGLE**

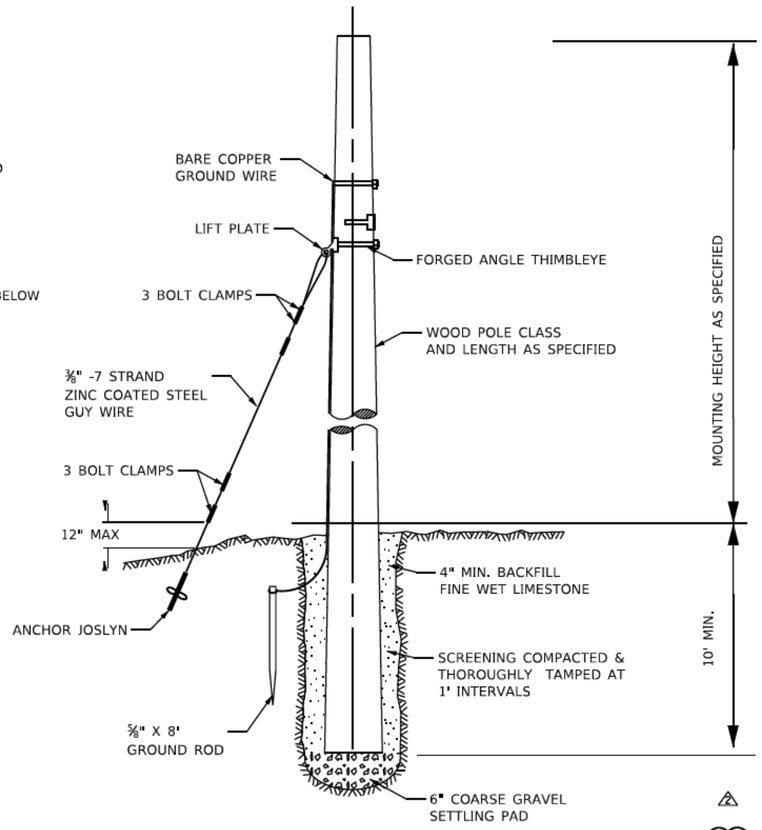
MOUNTING BRACKET DETAILS
N.T.S.



LIGHTING CIRCUIT AT SERVICE/CONTROLLER

NOTES:

1. SEE PLANS FOR WIRE AND UNIT DUCT SIZES AND POLE LOCATIONS NOT SHOWN.
2. PROVIDE GUY WIRES WITH STRAIN INSULATORS AND ANCHORS, AS NEEDED.



TEMPORARY LIGHT POLE DETAIL
N.T.S.

NEW SHEET

DRAWN BY	JLW	DATE	04/30/2020
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2	5/19/2020	ADDENDUM NO 2

CONTRACT NO. I-17-4339
TEMPORARY LIGHTING I-294
TEMPORARY LIGHT POLE DETAIL

SHT NO. CO-18
DRAWING NO. 1740X OF 1740

#FILE#

Manage Registrations: Contract I-17-4339 Optional Pre-Bid Meeting

English : Chicago Time

Event on Tuesday, May 12, 2020 2:00 pm

Pending (0) | Approved (12) | Rejected (0) | **All (12)**

Maximum registrations allowed: 10000 Total registrations: 12

First Name	Last Name	Email Address	Registration Date & Time	Status
Edir	Nevarez	enevarez@ihcconstruction.com	5/12/20 9:00 am	Approved
Patrick	Gannon	pgannon@plote.com	5/12/20 1:25 pm	Approved
John	Grimm	j.grimm@dunnetbay.net	5/12/20 1:44 pm	Approved
Brett	Ditchman	bditchman@jbcco.com	5/12/20 1:46 pm	Approved
Hunter	C	bcollins@walshgroup.com	5/12/20 1:50 pm	Approved
James	Kowalewski	jkowalewski@fhpaschen.com	5/12/20 1:53 pm	Approved
Rich	Jarmakowicz	richard.jarmakowicz@exp.com	5/12/20 1:57 pm	Approved
Aaron	Henneberg	ahenneberg@judlau.com	5/12/20 1:58 pm	Approved
Jordan	Kim	jkim@getipass.com	5/12/20 1:59 pm	Approved
Andrew	Keaschall	akeaschall@benesch.com	5/12/20 2:03 pm	Approved
Nick	Faul	nfaul@walshgroup.com	5/12/20 2:05 pm	Approved
Tim	Polk	tpolk@walshgroup.com	5/12/20 2:21 pm	Approved

Go Back

Capital Program

MEETING MINUTES

PURPOSE/PROJECT #: Pre-Bid Meeting / I-17-4339

MEETING DATE/TIME: May 12, 2020 / 2:00 p.m.

CHAIRPERSON: Meiyu Liu, Illinois Tollway

LOCATION: Tollway WebEx

ISSUE DATE: May 19, 2020

AGENDA TOPICS

1. Welcome; Self-Introduction by Procurement Representative
2. Introduction of Panelists
3. Brief Project Description
4. Advertisement Schedule
5. Compliance Goals
6. Diversity Programs
7. Project Schedule
8. Special Items to Note
9. Revisions to Contract/Addenda
10. Responses to Plan Holder Questions
11. Open Discussion/Questions

MEETING MINUTES

Item No.	*Item Description*	*Responsibility*	*Due Date*
1.0	**Welcome** Meiyu Liu (ML) provided a brief introduction of the meeting. The meeting is an Optional Pre-Bid Meeting for Contract I-17-4339, Elgin O'Hare Western Access Tollway (I-490), Roadway and Bridge Widening and Reconstruction, Tri-State Tollway (I-294) South of Grand Avenue to Wolf Road M.P. 35.04 to M.P. 36.70, Western Access Tollway (I-490) Ramp S1 and Ramp S2, M.P. 00.00 to M.P. 00. ML noted that the minutes to the meeting would be issued to all attendees and plan holders via addendum. The addendum will include other items which will be discussed. She also noted that questions asked in the meeting will be answered via addendum.	N/A	N/A
2.0	**Introductions**	N/A	N/A
	The meeting presenters were introduced.		
3.0	**Project Description**	N/A	N/A
	3.1 ML provided an overview of the proposed		

MEETING MINUTES

PURPOSE/PROJECT #: Pre-Bid Meeting / I-17-4339

MEETING DATE/TIME: May 12, 2020 / 2:00 p.m.

CHAIRPERSON: Meiyu Liu, Illinois Tollway

PROJECT NO.: I-17-4339

Item No.	*Item Description*	*Responsibility*	*Due Date*
	improvements associated with Contract I-17-4339. The improvements include: • Widening and reconstruction of the Tri-State Tollway (I-294) from south of Grand Avenue to Wolf Road. • Reconstruction of BN's 285, 286, 287 and 288 – Tri-State Tollway (I-294) over Grand Avenue and Union Pacific Railroad (UPRR) respectively. • Construction of BN's 1658 and 1659 – proposed structures providing Northbound access to and Southbound access from Western Access Tollway (I-490) • Construction of retaining walls. • Construct ITS infrastructure. • Relocation of Village of Franklin Park utilities. • Drainage improvements. • Temporary and permanent lighting. • Temporary and permanent traffic signals at the County Line Road and Northwest Avenue intersections with Grand Avenue. • UPRR utility crossings. • Grade Pond S1/S2. • Wolf Road deck repairs. • Erosion control and landscaping. • Maintenance of Traffic		
4.0	**Advertisement Schedule**	N/A	N/A
	4.1 The following milestones were reviewed and items requiring correction via addendum were highlighted: • Last Day for Bidder Questions – May 14, 2020 at 2:00 p.m. • Bid Opening – June 5, 2020 at 10:30 a.m.		
5.0	**Compliance Goals**	N//A	N/A
	5.1 Tollway-Diversity reviewed the following goals established for Contract I-17-4339: • DBE Participation Goal – 33.0% • VOSB/SDVOSB Participation Goal – 0.5% • EEO Goal – Minority 19.6% • EEO Goal – Female 6.9%		

MEETING MINUTES

PURPOSE/PROJECT #: Pre-Bid Meeting / I-17-4339

MEETING DATE/TIME: May 12, 2020 / 2:00 p.m.

CHAIRPERSON: Meiyu Liu, Illinois Tollway

PROJECT NO.: I-17-4339

Item No.	*Item Description*	*Responsibility*	*Due Date*
6.0	**Diversity**	N/A	N/A
	• Earned Credit Program Cap - $500,000		
7.0	**Project Schedule**	N/A	N/A
	• Anticipated Notice to Proceed – September 14, 2020 • Substantial Completion Date – November 1, 2023 • Contract Completion Date – December 1, 2023 • Interim Completion Date – November 24, 2020 • Interim Completion Date – July 1, 2021 • Interim Completion Date – November 23, 2021 • Interim Completion Date – July 31, 2022 • Interim Completion Date – November 22, 2022 • Interim Completion Date – July 1, 2023 • Interim Completion Date – October 1, 2023 • Interim Completion Date – June 8, 2021		
8.0	**Special Items to Note**	N/A	N/A
	8.1 **Required Permits** The following items are to be secured by the contractor: • UPRR – Right of Entry Agreement • Illinois Department of Transportation (IDOT) • Cook County Department of Transportation (CCDOTH) • DuPage County Division of Transportation • FAA Section 7460 – Certification of Final Locations of Permitted Infrastructure • IEPA/NPDES – Storm Water Pollution Prevention Plan/Notice of Intent • Metropolitan Water Reclamation District of Greater Chicago (MWRDGC)		
	8.2 **Coordination with Municipalities** Coordination efforts with the following municipalities are anticipated: • Village of Franklin Park • City of Northlake		
	8.3 **Coordination with Adjacent Contracts**		

MEETING MINUTES

PURPOSE/PROJECT #: Pre-Bid Meeting / I-17-4339

MEETING DATE/TIME: May 12, 2020 / 2:00 p.m.

CHAIRPERSON: Meiyu Liu, Illinois Tollway

PROJECT NO.: I-17-4339

Item No.	*Item Description*	*Responsibility*	*Due Date*
	Coordination efforts with the following adjacent contracts are anticipated: • CCDOTH Contract C-91-200-17: I-294 at North Avenue – Pavement Reconstruction and Bridge Replacement • Contract S01B: County Line Road – Sta 27+00.00 to Sta 89+00.00 – Pavement Reconstruction and Addison Creek Culvert • Contract I-19-4458: I-294 Road and Bridge Widening and Reconstruction – Sta 1763+00 to Sta 1853+10.00 • Contract I-19-4712: I-490 Road and Bridge Construction – I-294 to Franklin Avenue • Contract I-18-4449: Tri-State Tollway (I-294) M.P. 36.30 to M.P. 39.80 (Sta 1917+81.50 to Sta 2104+00.00) – Widening and Rehabilitation • Contract UP01: Union Pacific Railroad – 3rd track construction • Contract I-19-4512: Tri-State Tollway (I-294) M.P. 32.90 to M.P. 36.30 – Advance Fiber Relocation Installation • Contract I-20-4534: Tri-State Tollway (I-294) over UPRR M.P. 35.80 Bridge Numbers 287 and 288 • Contract I-20-4535: Tri-State Tollway (I-294) over Grand Avenue M.P. 35.30 Bridge Numbers 285 and 286.		
9.0	**Revisions to Contract Documents/Addendums**	N/A	N/A
	9.1 Addendum 1 was issued May 6, 2020. 9.2 Addendum 2 is anticipated to be released to bidders May 19, 2020 and will include the minutes of the pre-bid meeting, responses to plan holder questions and other miscellaneous items.		
10.0	**List of Bidder Questions** (submitted to date)	N/A	N/A

MEETING MINUTES

PURPOSE/PROJECT #: Pre-Bid Meeting / I-17-4339

MEETING DATE/TIME: May 12, 2020 / 2:00 p.m.

CHAIRPERSON: Meiyu Liu, Illinois Tollway

PROJECT NO.: I-17-4339

Item No.	*Item Description*	*Responsibility*	*Due Date*
	10.1The following questions were received prior to the pre- bid meeting: **Question:** Volume 1 of the specifications, the pricing page P-45 item JT154150 Allowance for steel costs adjustment unit 200,000 at $2.00 is $400,000. Is this item supposed to be $2.00? Most allowance items have been $1.00 in the past. ***Answer:*** The unit price will be changed to $1.00 as part the forthcoming addendum. **Question:** Due to the complexity and size of this contract, as well as the multiple other current bids, we request a minimum of a 2 week extension to the bid date. ***Answer:*** The bid opening date will not be changed. **Question:** Item JI522500 Mechanically stabilized earth walls call for a coarse aggregate that is crushed stone or crushed gravel. In the past the Tollway has allowed a round, noncrushed aggregate. Whether it is a CA-6, CM-11 or CM-16. Will we be allowed to use a noncrushed aggregate? ***Answer:*** The aggregate types/gradations utilized for the MSE wall select fill shall meet the requirements of Section 522, Article 1003.07 (if fine aggregate is utilized), and 1004.06 (if coarse aggregate is utilized) of IDOT's Standard Specification for Road and Bridge Construction. Bid proposals for the work shall be prepared accordingly. **Question:** Can the existing plans for Bridges 285, 286, 287 & 288 be made available? ***Answer:*** Yes, the Existing Structure Information Packages will be made available through the Tollway on-line plan room. It was stated that these questions and any other questions received by May 14, 2020 at 2 p.m. would be addressed in the addendum issued to all plan holders.		

Capital Program

MEETING MINUTES

PURPOSE/PROJECT #: Pre-Bid Meeting / I-17-4339

MEETING DATE/TIME: May 12, 2020 / 2:00 p.m.

CHAIRPERSON: Meiyu Liu, Illinois Tollway

PROJECT NO.: I-17-4339

Please notify the preparer of any corrections and/or clarifications within 5 business days.

FOR CONTRACT I-17-4339
ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: May 19, 2020

Questions pertaining to plan holders

Question No. 1.
Volume 1 of the specifications, the pricing page P-45 item JT154150 Allowance for steel costs adjustment unit 200,000 at $2.00 is $400,000. Is this item supposed to be $2.00? Most allowance items have been $1.00 in the past.

Response No. 1
The unit price will be changed to $1.00 as part of the forthcoming addendum.

Question No. 2.
Due to the complexity and size of this contract, as well as the multiple other current bids, we request a minimum of a 2 week extension to the bid date.

Response No. 2
The bid opening date will not be changed.

Question No. 3.
Item JI522500 Mechanically stabilized earth walls call for a coarse aggregate that is crushed stone or crushed gravel. In the past the Tollway has allowed a round, noncrushed aggregate. Whether it is a CA-6, CM-11 or CM-16. Will we be allowed to use a noncrushed aggregate?

Response No. 3
The aggregate types/gradations utilized for the MSE wall select fill shall meet the requirements of Section 522, Article 1003.07 (if fine aggregate is utilized), and 1004.06 (if coarse aggregate is utilized) of IDOT's Standard Specification for Road and Bridge Construction. Bid proposals for the work shall be prepared accordingly.

Question No. 4.
Can the existing plans for Bridges 285, 286, 287 & 288 be made available?

Response No. 4
Yes, the Existing Structure Information Packages will be made available through the Tollway on-line plan room.

Question No. 5.
Your DBE and VOSB goals for this project are too high. Can you make available the categories that and data that you used to determine these goals? I know this gets asked all the time, and we always get the same answer, the Tollway did a survey and determined that these goals were obtainable but they refuse to publish it. By having these high goals, you not only do a disservice to the General contracting community, but to the Disadvantaged Business Community as well. By having the goal so high, many cannot participate because it is beyond the scope of what they can handle. So the same few DBE contractors get used over and over again.

Response No. 5
The method of calculating the goal for this project is based on the Tollway's 2015 Disparity Study and historic data. This Study can be found at:
https://www.illinoistollway.com/documents/20184/87215/Tollway+Disparity+Study+Construction+2015.pdf/c3ad3b75-8369-4032-b107-7e12bf1fb962

Question No. 6
Pertaining to bid item 20400800 FURNISHED EXCAVATION, what are the available quantities of suitable material in the 3H and Arlington Heights Stockpiles?

Response No. 6
Stockpile 3H is planned to have approximately 35,000 CY which will be available May 1, 2022. The Arlington Heights Road / I-90 interchange has approximately 50,000 CY in the northwest and 80,000 CY in the southwest infields for immediate availability.

Question No. 7
Page 1196/1197 Shows how the excavation is going to be paid for with the removal of the structure. The incidental excavation goes through where the new MSE wall is. That should be paid as Structure Ex and the incidental excavation to the removal wall should end at the new MSE wall. The way it is shown in the plans will be very confusing for payment, and very gray for payment in the field.

Response No. 7
The suggested method of measurement will not work throughout the entire length of the wall as there are areas where the footprint of removing the existing structure (retaining wall) completely overlaps the footprint of the new MSE wall structure excavation. Bid proposals for the work shall be prepared accordingly.

Question No. 8

This project is about 160 million. The DBE "goal" is 33%, that is $52,800,000. In order to get to this number it is going to be very difficult. Please provide what information was used to obtain the 33% DBE "goal". The maximum allowable DBE volume for IDOT DBE program for some of the subs is $23,000,000, others it is only $11,000,000. After that they graduate from the program. The subs don't want to graduate from the program, so they stop quoting certain aspects of the work, which makes it more difficult to obtain these unrealistic "goals". If we can't meet these unrealistic "goals" going forward, what is the criteria for an acceptable waiver? When our sub prices have a difference of 10%? I would like to know how to approach this, because on a few of the most recent bids, from late 2019 and 2020, you have not awarded waivers and as we continue to bid more work it is going to become more and more difficult to reach your "goals".

Response No. 8

The method of calculating the goal for this project is based on the Tollway's 2015 Disparity Study and historic data. This Study can be found at:
https://www.illinoistollway.com/documents/20184/87215/Tollway+Disparity+Study+Construction+2015.pdf/c3ad3b75-8369-4032-b107-7e12bf1fb962

Question No. 9

Interim completion S.P. 103.3 of November 24, 2020 states that we have to complete Prestage B. Wall TS 35.35R SB is part of prestage B, but does not state that it is completed in Prestage B. This is a very big wall with lots of embankment, 20 calendar days isn't enough time to construct this wall. Also, trying to place dirt in November is very difficult, as it doesn't dry out easily and the days are shorter. Will this wall be part of this interim completion date?

Response No. 9

Retaining Wall TS 35.35(R), (SB), (R) is not included in the work to be completed by the Interim Completion Date specified in S.P. 103.3. The Suggested Progress Schedule, on Drawing No. 6 in Volume 1 of the Plans, shows the wall construction beginning in Pre-Stage and construction completed in Stage 1 by August 1, 2021.

Question No. 10

Are all the agreements worked out with the Railroad, so that this project won't be delayed in starting?

Response No. 10

The Tollway expects to secure the necessary approvals from the Railroad that will enable construction to proceed consistent with the contract documents. The bid proposal shall be prepared accordingly.

Question No. 11
MSE Wall TS35.35 R SB, note 1. states that we are to use wall backfill material from Station 1883+00 to 1893+00. How is that backfill material paid? What will the width between proposed backfill and existing wall to determine that pay limit?

Response No. 11
Payment for the select backfill material described above is covered under S.P. 110 for Pay Item No. JI522500, "Mechanically Stabilized Earth Retaining Wall". The width between the back of the reinforced soil mass and the front face of the existing retaining wall varies with a maximum width of 10 ft. and the approximate volume is 3,700 CY for this area.

Question No. 12
For some reason I was not able to get on the meeting using the 415-655-0003 phone number and the access code given in the addendum. Can you please post the attendees and the minutes to the meeting today?

Response No. 12
The meeting minutes have been included in the addendum.

Question No. 13
I am formally requesting a three week bid extension due for the above referenced project due to numerous other projects bidding between now and the current bid date. Thanks in advance.

Response No. 13
The bid opening date will not be changed.

Question No. 14
Page 1073 Shows how the excavation is going to be paid for with the removal of the existing structure. Detail for station 1860+44.56 to 1868+28.75 shows the excavation is incidental to the removal of the existing MSE wall as it goes through the new MSE wall. The excavation should be incidental for the removal wall up to the limits of the structural excavation of the proposed MSE wall. The way it is shown in the plans will be very confusing for payment, and very gray for payment in the field, please clarify and make this very difficult to bid.

Response No. 14
The removal limits for the existing retaining wall are based on information gleaned from the Structure Geotechnical Report for the proposed retaining wall and represent the assumed ground line for the starting point of the structure excavation. However, as noted in the plans, the actual over-excavation limits are to be determined by the contractor. Article 501.06 of the SSRBC states that excavation of earth necessary to perform the removal of existing structures will not be measured for payment. Bid proposals for the work shall be prepared accordingly.

Question No. 15
Page 1276/1277 Shows how the excavation is going to be paid for with the removal of the existing structure. Detail for station 1895+43 to 1896+05.54 is acceptable and understandable as shown, where the removal wall is on the road side of the excavation of the proposed wall. However, the remaining sections where the existing wall is on the outside of the proposed wall show the excavation as incidental as it goes through where the new MSE wall is. The excavation should be incidental for the removal wall up to the limits of the structural excavation of the proposed MSE wall. The way it is shown in the plans will be very confusing for payment, and very gray for payment in the field, please clarify and make this very difficult to bid.

Response No. 15
The suggested method of measurement will not work throughout the entire length of the wall as there are areas where the footprint of removing the existing structure (retaining wall) completely overlaps the footprint of the new MSE wall structure excavation. Bid proposals for the work shall be prepared accordingly.

Question No. 16
Volume 2 drawings, Pages 453, 454 & 458: There is no pay item for the detector loop removal, per notes from each individual page. Please advise how this will be paid.

Response No. 16
Detector loop removal will be paid for by the “Detector Loop, Special” pay item and per the “Detector Loop, Special” special provision. The pay item “Detector Loop, Special” is already included in the summary of quantities. The notes in the plans have been revised to clarify this and are included in the addendum.

Question No. 17
Volume 2 drawings, Page 464: The conduit run from the hand hole to the 16’ post in the SE corner is labeled with both “35’-UC-2”” & “19’-UC-3””, advise which is correct.

Response No. 17
The “35’-UC-2”” call out was a floating call out was not intended for use. This call out has been removed and the revised sheet is included in the addendum.

ADDENDUM NO.1
TO
CONTRACT REQUIREMENTS
FOR CONTRACT I-17-4339
ILLINOIS STATE TOLL HIGHWAY
AUTHORITY

Date: 5/5/2020

For which proposals will be received by the Illinois State Toll Highway Authority through electronic bidding via BidBuy until 10:30 a.m. local time on **June 5, 2020**.

NOTICE OF REVISION TO CONTRACT

NOTES:

1. **The optional pre-bid meeting information has been updated.** An optional pre-bid meeting will be held through WebEx on May 12, 2020 at 2:00 p.m. local time.

   Pre-bid meeting date:
   Tuesday, May 12, 2020 2:00 pm | 30 minutes | (UTC-05:00) Central Time (US & Canada)
   Meeting number: 287 670 418
   Event Password: 4339

   WebEx link which is as follows:
   https://illinois2.webex.com/illinois2/onstage/g.php?MTID=e33919cb7617642563f05182a13469d2a [illinois2.webex.com]

   Join by video system: 287670418@illinois2.webex.com
   You can also dial 173.243.2.68 and enter your meeting number.
   Audio conference:
   To receive a call back, provide your phone number when you join the event, or call the number below and enter the access code.

   US Toll +1-415-655-0003

   Access code: 287 670 418

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PART I - INSTRUCTIONS

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

ADVERTISEMENT FOR BIDS

Bid Schedule and Information for

CONTRACT NO: I-17-4339

Electronic submissions for the above numbered contract as described below will be received by the Illinois Tollway via BidBuy, the State of Illinois eProcurement System, until 10:30:00 a.m., local time, June 5, 2020. The Illinois State Tollway Highway Authority (ISTHA) will no longer accept manual, hard copy bid submissions. All bidders are strongly encouraged to submit bids timely as the system will not accept late bid submittals. Bid results will be posted on the Tollway's on-line plan room https://www.illinoistollwaybidding.com/. For assistance with registering in BidBuy or submitting electronic bids, please contact the BidBuy Vendor Help Desk at: il.bidbuy@illinois.gov and /or phone: 866-455-2897.

An **optional pre-bid meeting** is scheduled for May 12, 2020 at 2 p.m. local time. Information on the optional pre-bid meeting will be sent out via an addendum.

The work to be done under this contract shall be started on or about September 14, 2020. All work under this contract shall be completed by December 1, 2023. The work under this contract is to be performed on: Tri-State Tollway (I-294) between Mile Post 35.04 and Mile Post 36.70 in Cook County, Illinois. The work under this contract shall consist of: Widening and reconstruction of the Tri-State Tollway (I-294) from PR I-294 CL Sta. 1853+10.00 to EX I-294 CL Sta. 1918+00.00; Reconstruction of the Tri-State Tollway (I-294) BNs 285 & 286 over Grand Avenue; Reconstruction of the Tri-State Tollway (I-294) BNs 287 & 288 over the UPRR; Construction of Ramp S2 BN 1659, the exit ramp from NB Tri-State Tollway (I-294) to NB EOWA (I-490) roadway and structure; Construction of Ramp S1 BN1658, the entrance ramp from SB WA (I-490) to SB Tri-State Tollway (I-294) roadway and structure; Construction of median and outside retaining walls; ITS infrastructure; Relocation of Franklin Park utilities; Drainage improvements; Temporary lighting and permanent lighting; Maintenance of traffic operations; Installation of permanent pavement marking and signing; Erosion control measures and landscaping improvements; Protection of existing utilities within the construction zones; Temporary and permanent traffic signals at the intersection of County Line Road and Grand Avenue; Installation of underpass lighting on Grand Avenue; grading Pond S1/S2; Wolf Road BN 289 bridge deck repairs; and closure of the Tri-State Tollway (I-294) existing median crossover located from EX Sta. 1934+00.00 to Sta. 1940+54.42.

Bidders must demonstrate experience and competence with project of similar or greater complexity, size and cost by submitting completed Standard Form AIA Document A305; or be pre-qualified by the Capital Development Board (CDB); or Illinois Department of Transportation (IDOT) and submit with the bid the appropriate "Certification of Eligibility" as issued by IDOT and either IDOT's "Affidavit of Availability" or ISTHA's "Current Contractual Obligation". Joint Ventures shall be limited to no more than three individually pre-qualified members. Bidders are also required to be registered, or submit evidence of application, with the Illinois Department of Human Rights (IDHR). **There are NO EXCEPTIONS.**

Please note that written or oral communications received by the Illinois Tollway in connection with this solicitation may be required to be reported to the Procurement Policy Board as required by law. This provision is not intended to prohibit communications with State employees regarding a procurement matter, but rather only requires reporting of those communications when they occur.

All bids must be on forms prescribed by the Illinois Tollway and must comply with the terms and conditions set forth in the contract documents. Copies of the plans, special provisions, bid forms and other contract documents for this contract are available from BHFX Digital Imaging and can be viewed and/or ordered for purchase by visiting the On-line Plan Room via www.illinoistollwaybidding.com. Copies of the current Illinois Tollway Supplemental Specifications to the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction can be purchased directly from BHFX Digital Imaging. The current Illinois Tollway Supplemental Specifications may also be viewed in the 'Doing Business' section on the Tollway website. Current Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Recurring Special Provisions can be viewed and purchased from the Illinois Department of Transportation website. Electronic copies of the contract documents are also available on compact disk (CD) from BHFX Digital Imaging. Copies are in a portable document format (PDF). **Bidders with questions or in need of assistance in purchasing contract documents are to contact a** BHFX Digital Imaging**, Customer Service Representative at 630-393-0777, ask for the Plan Room.**

Questions pertaining to the intent of the contract documents may be sent to the Illinois Tollway, attention jkim@getipass.com, to be received no later than 2:00 p.m. local time on May 14, 2020.

A completed Questionnaire and a statement of current contractual obligations on forms supplied by the Illinois Tollway will be required from the apparent low Bidder once the apparent low Bidder is determined. Each Bid must be accompanied by a Bid Guaranty in the amount of five (5%) per cent of the total amount shown in the bid for the contract. The Bid Guaranty shall be in the form of an acceptable bid bond or a bank draft, certified check or cashier's check drawn on a solvent bank made payable to the Illinois State Toll Highway Authority.

Award of the above contract, if any award be made, will be to the lowest responsive and responsible bidder or bidders. The Illinois Tollway reserves the right to reject any and all bids, to waive technicalities, or cancel the solicitation.
COPIES OF PLANS, SPECIAL PROVISIONS, BID FORMS, CONTRACT DOCUMENTS, STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS ARE NOT AVAILABLE AT THE TOLLWAY CENTRAL ADMINISTRATION BUILDING.

DATE: April 30, 2020

Documents Required with the Bid

Bidder should use this checklist to ensure that all required documents are completed and included with its bid.

Required Documents	Reference Volume I	Comments and Important Information		Included with Bid ✓
Forms A (22 pages) or Forms B (3 or more pages)	Section N	Forms A or Forms B must be submitted with the bid or the bid will be considered non-responsive.	If a Joint Venture, must be submitted for each Joint Venture Partner	✓
Disadvantaged Business Enterprise • **DBE 2026-Utilization Plan** • DBE 2025 (s) • **DBE 2023 if needed**	Section I #27 DBE Special Provision	Required for all solicitations with DBE goals. The DBE 2025 form should be submitted with the bid. See DBE Special Provision for additional information. If goal is 0% the forms are not required.		✓
Veteran Small Business Participation and Utilization • **VOSB 2026-Utilization Plan** • **VOSB 2025 (s)** • **VOSB 2023 if needed**	Section I #28 VOSB Special Provision	Required for all solicitations with Veteran goals. The VOSB 2025 form should be submitted with the bid. See Veterans Special Provision for additional information. If goal is 0% the form is not required.		✓
Equal Employment Opportunity EEO 1256	Section I #29 & EEO Special Provision	Required for all solicitations with Equal Employment Opportunity goals.		✓
Optional Bid Credit Incentive Program Certificates	Section I #30 Bid Credit Incentive Programs Special Provision	If Bid Credit is utilized, Bid Credit Certificates are required in bid submittal See Bid Credit Incentive Programs Special Provision for additional information		✓
Page P-1 with Addendum noted, Page P-2 with Bid Guaranty completed, Page P-3 completed with signatures, P-4	Section I-#4 P-Pages	Fill in all available pay item prices with values of $0.01 or greater.		✓

Bid Bond, Signature and Corporate Seal	Page 2 and 3 of the "P" Pages	If a Joint Venture, Bid Bond must be in the name of the Joint Venture. Signature and Corporate Seal page (last) must be submitted for each Joint Venture Partner.	✓
Preferences, Contacts and Affidavit	Section R	If a Joint Venture, must be submitted for each Joint Venture Partner.	✓
Tollway to Transact Business in Illinois - Secretary of State Certificate of Good Standing	Section I #10	If a Joint Venture, will be verified for each Joint Venture Partner.	✓
Illinois Dept. of Human Rights	Section I #9 & #26	If a Joint Venture, will be verified for each Joint Venture Partner	✓
Non-Collusion Affidavit	Page R-4	If a Joint Venture, must be submitted for each Joint Venture Partner	✓
IDOT Certificate of Eligibility (If required—See Page A-1)	A-1 & Section I #9	If a Joint Venture, required from each Joint Venture Partner (If required)	✓
Tollway Standard Terms & Conditions	Section TC	If a Joint Venture, must be submitted for each Joint Venture Partner	✓
Plant and Equipment Questionnaire and Current Contractual Obligations	Section I #9 & Section S	If a Joint Venture, submit for each Joint Venture partner. ✓	
Responsible Bidder Affidavit PA-1 signed and Notary Seal	Section I #37	If a Joint Venture, must be submitted for each Joint Venture Partner ✓	
State Board of Elections	Section I #25	If a Joint Venture, will be verified for each Joint Venture Partner ✓	

The Following Will Be Verified by the Tollway for the Low Apparent Bidder

Tollway to Transact Business in Illinois - Secretary of State Certificate of Good Standing	Section I #10	If a Joint Venture, will be verified for each Joint Venture Partner. ✓
Illinois Dept. of Human Rights	Section I #9 & #26	If a Joint Venture, will be verified for each Joint Venture Partner ✓
State Board of Elections	Section I #25	If a Joint Venture, will be verified for each Joint Venture Partner ✓

Documents Required from Lowest Responsive/Responsible Bidder Upon Request from the Tollway

(Notice of Intent e-mail will be sent requesting these items

Agreement	Section T	If a Joint Venture, must be signed by both Joint Venture Partners
Performance Bond	Section U	If a Joint Venture, must be executed by both Joint Venture Partners
Payment Bond	Section V	If a Joint Venture, must be executed by both Joint Venture Partners
Insurance	Section I #17	If a Joint Venture insurance must be in the name of both Joint Venture Partners
Evidence of Tollway of company representatives to execute the contract, such as Board of Directors' Minutes, or a resolution authorizing officers of the firm to execute the contract documents		
Certificates showing authorization to do business in Illinois if your firm is not an Illinois corporation.		
Any supplemental financial or experience information if requested by the Illinois Tollway.		
A completed Signature Tollway Form designating any and all individuals to execute on behalf of the **company any and all contract modifications or documentation**		
If a Joint Venture, a copy of the executed Joint Venture Agreement between all partners that identifies the Managing Partner. Unless specifically directed otherwise in writing by the joint venture, the Managing Partner's FEIN will be used for payment and tax purposes		
A completed W-9 form if this is the first time the company is conducting business with the Tollway as a Prime Contractor. Please refer to the following link for the most current IRS W-9 form: http://www.irs.gov/pub/irs-pdf/fw9.pdf		
A copy of your IRS Assignment/Acceptance Letter if this is the first time the company is conducting business with the Tollway as a Prime Contractor, or if it has been a long time since you have done work with the Tollway and have never provided the document.		
As applicable to the Contract, Proof of Certification from each firm listed on DBE Form(s) 2025 and or VOSB Form(s) 2025. Please refer to the Special Provision for Disadvantaged Business Enterprise Participation and the Veteran Small Business Participation and Utilization Plan for a list of Certifying Agencies accepted by the Tollway. Proof of Certification includes Original letter of Certification, Certification Certificate, or the company listing in the Certifying Agency's database.		

INSTRUCTIONS AND INFORMATION TO BIDDERS

1. ADVERTISEMENT FOR BIDS

Bids will be received electronically by the Illinois State Toll Highway Authority for constructing a portion of the Illinois Toll Highway System, as described in the advertisement for bids.

2. EXAMINATION OF CONTRACT DOCUMENTS AND WORK SITE

Before submitting a bid, the bidder shall carefully examine the provisions of the contract bid documents. The bidder shall also inspect in detail the site of the proposed work, investigate and become familiar with all conditions affecting the contract, and the detailed requirements of construction. Bidders will be held responsible for having done so.

3. CONTRACT DOCUMENTS (TO BE COMPLETED IN INK)

The contract documents for this contract shall be as defined in Section 101 of the Tollway Supplemental Specifications.

4. SCHEDULE OF PRICES

All blank spaces for bid prices must be filled in, in ink, with the unit price, or lump sum price, and the total price for each and every item (which prices must be more than $0.00). Bids which do not contain a price for every item listed in the Schedule of Prices for the contract being bid will not be considered unless alternate bids are requested.

5. INQUIRIES RELATIVE TO INTERPRETATION OF PLANS & SPECIFICATIONS

Any inquiries by bidders relative to interpretation of any provisions of any of the contract documents will not be answered verbally, and to be given consideration must be submitted in writing to the Illinois Tollway no later than the date shown in the "Advertisement for Bids" (Page A-1). Answers, if any are given to such inquiries, will be in the form of an addenda and will be furnished to all bidders in conformance with the Tollway Supplemental Specifications.

6. BID GUARANTY

The bidder is required to furnish a Bid Guaranty in accordance with the provisions of Article 102.09 of the Tollway Supplemental Specifications.

7. WAGE STIPULATIONS

This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/01 *et seq.* ("the Act") or is a service contract subject to the prevailing wage requirement of the Illinois Procurement Code, 30 ILCS 500/25-60 (the "Code"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus fringe benefits) in the locality (county) where the work is performed. The Code requires vendors awarded certain service contracts to pay service workers no less than the general prevailing wage rate of hourly wages (hourly cash wages plus amount for fringe benefits in the locality (county) where the work is performed. The Illinois Department of Labor publishes the prevailing wage rates on its website https://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx. The Illinois Department of Labor revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Illinois Department of Labor's website for revisions to prevailing wage rates. For information regarding current prevailing

wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act and Code, including but not limited to all wage requirements, notice, and record keeping duties.

The contractor to whom the contract is awarded shall insert into each subcontract and into the project specifications for each subcontract a written stipulation to the effect that not less than the prevailing rate of wages shall be paid to all laborers, workers, and mechanics performing work under the contract. Each subcontractor shall insert into each lower tiered subcontract and into the project specifications for each lower tiered subcontract a stipulation to the effect that not less than the prevailing rate of wages shall be paid to all laborers, workers, and mechanics performing work under the contract.

A list of prevailing wages for the counties in which work under this contract is to be performed is included within this contract as an attachment.

AMENDMENTS TO PREVAILING WAGE LAW

Effective July 16, 2014, the Prevailing Wage Act has been amended. Below is a summary of some of the important changes that may affect you:

- For each calendar month construction on a Tollway project occurs, a certified payroll must be filed **no later than the 15th** of the following month.
- Payroll records must be kept for five (5) years from the date of last payment on a contract or subcontract.
- Any person who willfully files a false payroll is guilty of a Class A misdemeanor.
- Any person who willfully fails to create, keep, maintain, or **produce records as or when** required by the Act is guilty of a Class A misdemeanor.
- Any contractor or subcontractor convicted or found guilty of the above is subject to **automatic and immediate debarment** and prohibited from participating in any public works project for four (4) years with no right to a hearing.

The full text of the Prevailing Wage Act can be found here:

http://www.ilga.gov/legislation/ilcs/ilcs3.asp?ActID=2405&ChapterID=68

8. NON-COLLUSION AFFIDAVIT

The bidder must complete and return the Non-Collusion Affidavit furnished with the solicitation with their bid. In the event said Affidavit is found to be false in any respect, the Illinois Tollway may, at its option, void this contract without liability on the part of the Illinois Tollway and in addition, the contractor and its surety or sureties shall be liable to the Illinois Tollway for any and all damages of every nature and description sustained, directly or indirectly, by the Illinois Tollway as a result of entering into contracts based upon, among other things, the execution of such false affidavit.

9. **QUALIFICATIONS OF BIDDER**

The Tollway follows the procurement rules set by the IDOT for the procurement of construction and professional services. The bidder must be prequalified by the IDOT if required by the solicitation. See Page A-1 to determine if IDOT Prequalification is required.

IDOT Contractor's Financial Statements will be acceptable if not more than eighteen (18) months old.

Illinois Department of Human Rights Public Contracts Number: Bidder shall complete and return the IDHR Public Contract Number form in Forms A, Part 2, or in the Illinois Procurement Gateway.

Each bidder authorizes the Tollway to obtain and examine any and all financial data and experience information heretofore submitted by the bidder to any Federal, State or local unit of government without further notice.

The Tollway will analyze the division of work to verify the weakest joint venture member is capable of performing, and analyze the others to be able to complete the project if the weakest firm defaults.

The individual partners of any joint venture must be jointly and severally liable for the obligations of the joint venture under the contracts.

Only one person will be designated managing partner for the joint venture and will speak for all joint venture partners and act as project manager.

Once the apparent low bidder is determined, the apparent low bidder shall submit the forms "Plant and Equipment Questionnaire" and "Current Contractual Obligations", to supplement the information contained in the qualifications questionnaire required in the paragraph above.

The Illinois Procurement Code provides, in part, that no person or business shall bid, offer, make a submission to a vendor portal, or enter into a contract under the code if the person or business assisted an employee of the State of Illinois, who, by the nature of his or her duties, has the Tollway to participate personally and substantially in the decision to award a State contract, by reviewing, drafting, directing, or preparing any invitation for bids, a request for proposal, or request for information or provided similar assistance except as part of a publicly issued opportunity to review drafts of all or part of these documents. See certifications section of the contract for the required certifications prior to entering into a contract with the State of Illinois

10. **AUTHORITY TO TRANSACT BUSINESS UNDER AN ASSUMED NAME**

If the apparent low bidder is doing business under an assumed name, it shall be required to furnish, once the apparent low bidder is determined, a certificate of registration and authorization showing that such individual or partnership is registered and authorized to conduct business in Illinois under such assumed name in accordance with Assumed Business Name Act, 805 ILCS 405/1, as amended from time to time.

11. **SECRETARY OF STATE CERTIFICATE OF GOOD STANDING**

A person, other than an individual acting as a sole proprietor, must be a duly constituted legal entity and authorized to transact business or conduct affairs in Illinois prior to execution of the contract. 30 ILCS 500/20-43. The Secretary of State Certification will be verified by the Tollway for the apparent low bidder.

12. **TAX EXEMPTIONS**

Any material which is to be incorporated in the work and any equipment required therefore may be consigned to the Illinois State Toll Highway Authority in care of the contractor. If the shipping papers show clearly that any such material or equipment is so consigned, the shipment may be exempt from the tax on the transportation of property under the provisions of Section 4292, Title 26, U.S.C.A. (1954). All transportation charges shall be paid by the Contractor.

The Illinois Tollway is currently exempted from the payment of Illinois Retailer's Occupational Tax, Use Tax, Service Tax, Municipal Taxes and Federal Excise Tax.

The tax exempt number and form will become a part of the contract with the successful bidder.

13. **HAUL ROADS**

Attention of the contractor is directed to the probable use of public roads and streets (State, County and Municipal) for hauling loads in excess of present permitted allowance. It is the responsibility of the Contractor to make proper arrangements with officials having jurisdiction for any use of public roads and streets beyond that permitted by present regulations.

14. **ACKNOWLEDGMENT OF RECEIPT OF ADDENDA**

The bidder is required to acknowledge receipt of any addenda issued to the bidder by inserting the addendum number and the issuing date in the space provided in the solicitation.

15. **TOLLWAY POWER AND FUNDS**

The Illinois Tollway has been created and derives its power and Tollway under and pursuant to "An Act in relation to the construction, operation, regulation and maintenance of a system of toll highways, and to create the Illinois State Toll Highway Authority, and to define its powers and duties, approved August 7, 1967," (Illinois Compiled Statutes, 605 ILCS 10/1 to 605 ILCS 10/35, as amended from time to time, hereinafter called the "Act").

No payment or other obligations under this contract are or shall ever be construed to be obligations of the State of Illinois.

16. **PAYMENT OF TOLLS**

The contractor shall be required to pay the full amount of tolls, if any, incurred by it during the duration of the contract. Said tolls will not be refunded by the Illinois Tollway. Furthermore, in the event that a final determination is made by the Tollway that the contractor has failed to pay any required tolls and associated fines, the Tollway is authorized to take steps necessary to withhold the amounts of unpaid tolls and fines from any payment due the contractor by the Tollway and/or other State of Illinois office, department, commission, board or agency.

17. **INSURANCE**

The contractor shall not commence any work under the contract until all the insurance as specified in Article 107.27 of the Tollway Supplemental Specifications or any special provisions has been provided and approved, and Notice to Proceed is issued to the contractor.

18. **ILLINOIS HUMAN RIGHTS ACT**

The contractor is advised that the Illinois State Toll Highway Authority has heretofore by resolution adopted all of the applicable requirements and provisions of the Illinois Fair Employment Practices Act, now the Illinois Human Rights Act (Illinois Compiled Statutes, 775 ILCS 5/1 -101, *et sequitur*, as amended from time to time) and all of the applicable rules and regulations promulgated thereunder, and that all such applicable requirements, provisions and rules and regulations are deemed to be a part of the contract and to apply to the contractor as if fully set out herein.

19. **MULTI-PROJECT LABOR AGREEMENT**

The Multi-Project Labor Agreement is not in effect for this contract.

20. ***RESERVED***

21. **COMPUTER GENERATED PAY ITEM PRICE PAGES FOR BIDS SUBMITTED IN HARD COPY FORMAT**

The schedule of prices for this contract is available for download in spreadsheet format on the Tollway's Online Plan Room hosted by BHFX Digital Imaging at: www.illinoistollwaybidding.com.

The schedule of prices is published in spreadsheet format only once when the contract is advertised and is published as a tool to assist bidders with preparation of their bid. Any revisions to the schedule of prices, including addenda, are the responsibility of the bidder and must be included in the bid. It is the bidder's responsibility to provide an accurate bid, which includes verification that the spreadsheet version of the schedule of prices matches the final contract book P-Pages. When submitting a hard copy bid, in the event of a discrepancy between the spreadsheet schedule of prices from the online plan room, and the contract book P-Pages, the contract book P-Pages and addenda control and take precedence over the spreadsheet schedule of prices.

If you intend to submit a computer-generated bid, it must be in a printed form similar to the contract P-Pages and must be legible. See Page I-1, Item 4 for additional pay item pricing requirements. P-Pages submittal responses should be submitted in an excel and PDF format.

22. **PUBLISHED PROCUREMENT INFORMATION:**

The State publishes procurement information, including updates on the General Services eProcurement System BidBuy (https://bidbuy.illinois.gov), referred to as "BidBuy". Procurement information may not be available in any other form or location. Bidder is responsible for monitoring BidBuy. The State will not be held responsible if bidder fails to monitor BidBuy, or to fully complete their vendor registration in BidBuy.

23. **PROTEST REVIEW OFFICE**

Vendors may submit a written protest to the Protest Review Office following the requirements of the IDOT Standard Procurement Rules 44 ILL ADM 6.390 through 6.440. All protests shall be in writing and filed with the CPO within seven (7) calendar days after the protester knows or should have known of the facts giving rise to the protest. Protests filed after the seven (7) calendar day period will not be considered. In addition, protests that raise issues of fraud, corruption or illegal acts affecting specifications, special provisions, supplemental specifications and plans must be received by the CPO no later than fourteen (14) calendar days before the date set for opening of bids. The Protest Review Office information is as follows:

Chief Procurement Office
Attn: Protest Review Office
401 S. Spring Street
Suite 515 Stratton Office Building
Springfield, IL 62706

Email: eec.legalstaff@illinois.gov

Facsimile: (217) 558-1399
Illinois Relay: (800) 526-0844

24. **SUBSTANCE ABUSE PREVENTION PROGRAM (SAPP) PUBLIC ACT 95-0635**

This Public Act requires that all contractors/subcontractors have a SAPP in place, with certain requirements, **before** starting work. The requirements of this Public Act are material to the contract, and the contractor shall require the same of all approved subcontractors.

25. **STATE BOARD OF ELECTIONS REGISTRATION PUBLIC ACT 95-0971**

State Board of Elections Registration: Vendor or bidder may be prohibited from making political contributions and be required to register with the State Board of Elections. For more information, see State Board of Elections in Forms A, Part 5.

26. **DEPARTMENT OF HUMAN RIGHTS (DHR) PUBLIC CONTRACT NUMBER**

Any bidder who bids on public contracts must register with the IDHR to be eligible to be awarded public contracts. Any bidder who registered previously but has a DHR number of 89999-00-0 or lower must re-register to maintain eligibility. Any IDHR number of 90000-00-0 or higher is valid for five (5) years from the date of issue. The IDHR website link is below.

http://www2.illinois.gov/dhr/PublicContracts/Pages/IDHR_Number.aspx

27. **DISADVANTAGED BUSINESS PARTICIPATION**

See Special Provision for Disadvantaged Business Participation

28. **VOSB/SDVOSB PARTICIPATION**

See Special Provision for VOSB/SDVOSB Participation

29. **EQUAL EMPLOYMENT OPPORTUNITY**

See Special Provision for Equal Employment Opportunity.

30. **BID CREDIT INCENTIVE PROGRAMS**

Tollway Bid Credit Incentive Programs allow contractors or subcontractors/fabricators to earn bid credits to be used toward future Tollway construction bids. A bidder can then apply its bid credits to a maximum Bid Credit Cap assigned to each construction contract to lower their bid amount and increase the chances of winning the contract as the low bidder. Use of bid credits from the Bid Credit Incentive Programs is applicable only to construction projects advertised by the Tollway for public bidding.

See Special Provision for Bid Credit Incentive Programs included in Volume 1.

Current Tollway Bid Credit Programs:

- CONSTRUCTIONWORKS PROGRAM

The ConstructionWorks (CW) Program offers contractors and subcontractors/fabricators a chance to earn bid credits toward future Tollway construction bids when they hire workers from a pool of qualified and eligible CW individuals including minorities, women, ex-offenders and exonerated individuals, veterans and other traditionally underserved populations.

See the Operational Guide for CW Program at https://www.illinoistollway.com/doing-business/diversity-development#BidCreditIncentives

- EARNED CREDIT PROGRAM

The Earned Credit Program (ECP) offers contractors and subcontractors/fabricators a chance to earn bid credits toward future Tollway construction bids when they hire workers from a pool of qualified and eligible Workforce Innovation and Opportunity Act (WIOA) individuals including minorities, women, ex-offenders and exonerated individuals, veterans and other traditionally underserved populations.

See the Operational Guide for Earned Credit Program at https://www.illinoistollway.com/doing-business/construction-engineering#Earned%20Credit%20Program.

- PARTNERING FOR GROWTH - CONSTRUCTION for DISADVANTAGED BUSINESS ENTERPRISE OR VETERAN-OWNED SMALL BUSINESS BID CREDIT INCENTIVE PROGRAM

A firm performing as a mentor in an approved Partnering for Growth (P4G) – Construction relationship, providing assistance to and training of a DBE or Veteran firm can earn Bid Credits that may be used toward future Tollway construction bids.

See the Operational Guide for Partnering For Growth - Construction For Disadvantaged Business Enterprise Bid Credit Incentive Program and the Operational Guide For Partnering For Growth – Construction For Veteran-owned Small Business Bid Credit Incentive Program at https://www.illinoistollway.com/doing-business/diversity-development/programs#Mentor

31. REPORTING OF COMMUNICATIONS WITH VENDORS

Please note that written or oral communications received by the Tollway that imparts or requests material information or makes a material argument regarding potential action concerning this procurement may require reporting to the Procurement Policy Board as required by the Procurement Code. When an oral communication is made by a person required to register under the Lobbyist Registration Act (25 ILCS 170) and received by a State employee, all individuals who initiate or participate in the communication shall submit a written report to that State employee memorializing the communication and for reporting to the Procurement Policy Board. This provision is not intended to prohibit communications with State employees regarding procurement matter, but rather only requires reporting of those communications when they occur.

32. INITIAL CONTACT INFORMATION

The Initial Contact Person named on Page A-1 shall be familiar with assembling or obtaining the duly executed documents constituting the contract between the Illinois Tollway and the contractor.

33. WEB-BASED PROJECT MANAGEMENT

The Illinois Tollway will manage this project using the Tollway's web-based project management system. The primary goal of using the web-based project management system is to create a complete project record and serve as a project archive.

Once the apparent low bidder is determined, all project correspondence occurring with the apparent low bidder will be addressed to the initial contact person via e-mail from Contract Services and via the web-based project management system. Initial correspondence is expected to consist of requests for information and responses related to DBE and subcontractor related items.

34. SUBCONTRACTOR DISCLOSURE

The bidder must identify, to the extent the information is known, the names, addresses and type of work for all sub-contractors that will be utilized in the performance of this contract together with the anticipated contract value each sub-contractor is expected to receive pursuant to this contract. The State may request updated information at any time. For purposes of this section, sub-contractor means a person or entity that enters into a contractual agreement with a person or entity who has a contract with the Illinois Tollway pursuant to which the person or entity provides some or all of the goods, services, real property, remuneration, or other monetary forms of consideration that are the subject of the primary Illinois Tollway contract. A person or entity is not a sub-contractor if that person only provides goods or supplies that are incidental to the performance of a contract by a person who holds the contract with the Illinois Tollway. In no event shall a sub-contractor be allowed to start work prior to approval by the Tollway.

35. PROCUREMENT COMPLIANCE MONITORS

Pursuant to Public Acts 96-0795, 96-0920 and 97-0895, Agency Procurement Compliance Monitors may review contract documents and any files or records related to procurements and will report to the Chief Procurement Officer on procurement issues that may require action, and to further report on corrective action not taken by state personnel. Additionally, the Procurement Compliance Monitors may monitor the procurement process for appropriate actions and transparency.

36. PUBLICITY

Contractor shall not, in any advertisement, including but not limited to contractor's website or any other type of solicitation for business, state, indicate or otherwise imply that it has been endorsed by or is currently or has previously been under contract with the Illinois Tollway nor shall the Illinois Tollway's name be used in any such advertisement or solicitation without the prior written approval of the Illinois Tollway.

37. RESPONSIBLE BIDDER AFFIDAVIT

Public Act 97-0369 amended the Illinois Procurement Code to require a "responsible bidder" to submit a signed affidavit stating that the bidder shall maintain an Illinois office as the primary place of business for persons employed in the construction authorized by the contract. Therefore, in accordance with the Act the Illinois Tollway will request the "Responsible Bidder Affidavit" from the apparent low bidder, once the apparent low bidder has been determined.

38. REPORT OF A CHANGE IN CIRCUMSTANCES

The Contractor agrees to report to the Tollway as soon as practically possible, but no later than twenty-one (21) days following any change in facts or circumstances that might impact the contractor's ability to satisfy its legal or contractual responsibilities and obligations under this contract. Required reports include but are not limited to changes in the Contractor's Certification/Disclosure Forms, the contractor's IDOT pre-qualification status, or certification or licensing required for this project. Additionally, the contractor agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the contractor, or any of its principals, that might occur while this contract is in effect. The reporting requirement does not apply to common offenses, including but not limited to minor/traffic offenses.

Further, the contractor agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontractors relating to work performed under this agreement. The contractor agrees to forward or relay to the Tollway any reports received from subcontractors pursuant to this paragraph within twenty-one (21) days.

Finally, the contractor acknowledges and agrees that the failure of the contractor to comply with this reporting requirement shall constitute a material breach of contract which may result in this contract being declared void.

39. RECORD RETENTION AND AUDIT

The contractor shall maintain in the State of Illinois, for a minimum of five (5) years from the latter of the date of completion of the contract or the date of final payment under the contract, adequate books, records, and supporting documents from an accounting system maintained in accordance with generally accepted accounting principles to verify the amounts, recipients, uses and methods of all disbursements of funds passing in conjunction with the contract. The five (5) year record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The contractor shall at its own expense make such records available in a timely manner for inspection and audit (including copies and extracts of records) as required by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation, and the Tollway's Inspector General, Internal Audit or other Tollway agents at all reasonable times and without prior notice.

The obligations of this section shall be explicitly included in any subcontracts or agreements formed between the contractor and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the contractor's obligations to the Tollway. Such subcontractor shall be required to comply with the terms and conditions of this Section and the Tollway shall be entitled to enforce a breach of that contract.

Any audit adjustment will be submitted on a final invoice for any underpayment or overpayment to the contractor or its subcontractors. The contractor shall promptly reimburse the Tollway for any overpayment, or the Tollway at its option may deduct any overpayment from any funds due the contractor, whether those funds are due under this contract or other contracts to which the contractor is a party either directly with the Tollway or as a subcontractor. In the event the contractor fails or refuses to reimburse the Tollway for an overpayment, the contractor shall be responsible for all costs, including attorney fees, incurred by the Tollway to collect such overpayment.

Failure to maintain or make available the books, records, and supporting documents required by this Section shall establish a presumption in favor of the Tollway for recovery of any funds paid by the Tollway under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

The contractor shall reimburse the Tollway for the total costs of an audit that identifies significant findings that would benefit the Tollway, including but not limited to reasonable attorney's fees and other expenses. Significant findings for the purposes of this provision shall be identified as an amount in excess of $50,000 in aggregate of the audit report or findings of material performance or compliance deficiencies.

If the contractor fails to comply with these requirements, the contractor may be disqualified or suspended from bidding on or working on future contracts.

40. INSPECTOR GENERAL

The vendor/contractor hereby acknowledges that pursuant to Section 8.5 of the Toll Highway Act (605 ILCS 10/8.5) the Inspector General of the Illinois State Toll Highway Authority has the Tollway to conduct investigations into certain matters including but not limited to allegations of fraud, waste and abuse, and to conduct reviews. The vendor/contractor shall fully cooperate in any OIG investigation or review. Cooperation includes providing access to all information and documentation related to the goods/services described in this agreement, and disclosing and making available all personnel involved or connected with these goods/services or having knowledge of these goods/services. All subcontracts must inform Subcontractors of this provision and their duty to comply.

41. ACCEPTANCE OF SCANNED SIGNATURES

Unless otherwise specified, the parties agree that bids, contracts, certifications and disclosures, and other contract related documents to be entered into in connection with the resulting contract will be considered signed when the signature of a party is delivered by scanned image (e.g. .pdf or .tiff file extension name) as an attachment to electronic mail (email). Such scanned signature will be treated in all respects as having the same effect as an original wet ink signature.

42. EXPATRIATED ENTITIES

Except in limited circumstances, no business or member of a unitary business group, as defined in the Illinois Income Tax Act, shall submit a bid for or enter into a contract with a State agency if that business or any member of the unitary business group is an expatriated entity.

PART II: Bid Requirements

Bid	Submit with bid
Bid Listing All Addenda	Submit with bid
Bid Bond	Submit with bid
Forms A or Forms B Disclosures	Submit with bid
Disadvantaged Business Enterprise DBE 2026, 2025 and DBE 2023 (if required)	Submit with bid
Veteran Small Business Participation VOSB 2026, 2025 and VOSB 2023 (if required)	Submit with bid
Equal Employment Opportunity Program	Submit with bid
Bid Credit Program, if applicable	Submit with bid
I.D.O.T. Certificate of Eligibility (if required)	Submit with bid
Affidavit	Submit with bid
Responsible Bidder Affidavit	Submit with bid
Bidder Preferences	Submit with Bid
Bidder List of Individual Contacts	Submit with bid
Plant and Equipment Questionnaire	Submit with bid
Illinois Tollway Standard Terms and Conditions	Submit with bid
Secretary of State Certificate of Good Standing	Will be verified by the Tollway
State Board of Elections	Will be verified by the Tollway
Illinois Department of Human Rights	Will be verified by the Tollway

Cook County Prevailing Wage Rates posted on 3/3/2020

						Overtime								
Trade Title	**Rg**	**Type**	**C**	**Base**	**Foreman**	**M-F**	**Sa**	**Su**	**Hol**	**H/W**	**Pension**	**Vac**	**Trng**	**Other Ins**
ASBESTOS ABT-GEN	All	ALL		43.72	44.72	1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
ASBESTOS ABT-MEC	All	BLD		37.88	40.38	1.5	1.5	2.0	2.0	13.42	12.20	0.00	0.72	
BOILERMAKER	All	BLD		50.51	55.05	2.0	2.0	2.0	2.0	6.97	14.65	0.00	1.10	
BRICK MASON	All	BLD		46.88	51.57	1.5	1.5	2.0	2.0	10.85	19.31	0.00	0.95	
CARPENTER	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
CEMENT MASON	All	ALL		46.25	48.25	2.0	1.5	2.0	2.0	14.50	19.04	0.00	1.25	
CERAMIC TILE FINISHER	All	BLD		40.56	40.56	1.5	1.5	2.0	2.0	11.00	12.80	0.00	0.86	
COMMUNICATION ELECTRICIAN	All	BLD		44.86	47.66	1.5	1.5	2.0	2.0	10.22	13.48	1.25	1.15	0.07
ELECTRIC PWR EQMT OP	All	ALL		53.40	58.40	1.5	1.5	2.0	2.0	12.36	17.72	0.00	3.39	
ELECTRIC PWR GRNDMAN	All	ALL		41.65	58.40	1.5	1.5	2.0	2.0	9.64	13.82	0.00	2.65	
ELECTRIC PWR LINEMAN	All	ALL		53.40	58.40	1.5	1.5	2.0	2.0	12.36	17.72	0.00	3.39	
ELECTRICIAN	All	ALL		49.35	52.35	1.5	1.5	2.0	2.0	15.69	17.02	1.25	1.48	0.40
ELEVATOR CONSTRUCTOR	All	BLD		56.61	63.69	2.0	2.0	2.0	2.0	15.58	17.51	4.53	0.62	
FENCE ERECTOR	All	ALL		42.88	44.88	1.5	1.5	2.0	2.0	13.64	14.89	0.00	0.65	
GLAZIER	All	BLD		44.85	46.35	1.5	2.0	2.0	2.0	14.49	22.29	0.00	0.94	
HEAT/FROST INSULATOR	All	BLD		50.50	53.00	1.5	1.5	2.0	2.0	13.42	13.66	0.00	0.72	
IRON WORKER	All	ALL		50.63	52.63	2.0	2.0	2.0	2.0	14.65	23.78	0.00	0.44	
LABORER	All	ALL		43.72	44.47	1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
LATHER	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
MACHINIST	All	BLD		48.93	51.43	1.5	1.5	2.0	2.0	7.68	8.95	1.85	1.32	
MARBLE FINISHER	All	ALL		35.15	48.33	1.5	1.5	2.0	2.0	10.85	17.66	0.00	0.52	
MARBLE MASON	All	BLD		46.03	50.63	1.5	1.5	2.0	2.0	10.85	18.78	0.00	0.64	
MATERIAL TESTER I	All	ALL		33.72		1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
MATERIALS TESTER II	All	ALL		38.72		1.5	1.5	2.0	2.0	14.99	13.61	0.00	0.90	
MILLWRIGHT	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73	
OPERATING ENGINEER	All	BLD	1	51.10	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	2	49.80	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	3	47.25	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	4	45.50	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	5	54.85	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	
OPERATING ENGINEER	All	BLD	6	52.10	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65	

OPERATING ENGINEER	All	BLD	7	54.10	55.10	2.0	2.0	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	FLT	1	58.20	58.20	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40
OPERATING ENGINEER	All	FLT	2	56.70	58.20	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40
OPERATING ENGINEER	All	FLT	3	50.45	58.20	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40
OPERATING ENGINEER	All	FLT	4	41.95	58.20	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40
OPERATING ENGINEER	All	FLT	5	59.70	58.20	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40
OPERATING ENGINEER	All	FLT	6	38.00	58.20	1.5	1.5	2.0	2.0	19.65	15.10	2.00	1.40
OPERATING ENGINEER	All	HWY	1	49.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	HWY	2	48.75	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	HWY	3	46.70	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	HWY	4	45.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	HWY	5	44.10	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	HWY	6	52.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
OPERATING ENGINEER	All	HWY	7	50.30	53.30	1.5	1.5	2.0	2.0	20.50	16.85	2.00	1.65
ORNAMENTAL IRON WORKER	All	ALL		50.05	52.55	2.0	2.0	2.0	2.0	14.14	21.13	0.00	1.25
PAINTER	All	ALL		47.30	53.21	1.5	1.5	1.5	2.0	12.01	12.74	0.00	1.87
PAINTER - SIGNS	All	BLD		39.84	44.74	1.5	1.5	2.0	2.0	2.73	3.39	0.00	0.00
PILEDRIVER	All	ALL		48.55	50.55	1.5	1.5	2.0	2.0	11.79	21.84	0.00	0.73
PIPEFITTER	All	BLD		49.60	52.60	1.5	1.5	2.0	2.0	10.75	19.85	0.00	2.67
PLASTERER	All	BLD		44.50	47.17	1.5	1.5	2.0	2.0	14.50	17.29	0.00	1.50
PLUMBER	All	BLD		51.00	54.05	1.5	1.5	2.0	2.0	15.37	14.75	0.00	1.35
ROOFER	All	BLD		44.60	48.60	1.5	1.5	2.0	2.0	10.58	13.31	0.00	0.70
SHEETMETAL WORKER	All	BLD		45.50	49.14	1.5	1.5	2.0	2.0	11.70	25.58	0.00	0.86
SIGN HANGER	All	BLD		32.68	35.29	1.5	1.5	2.0	2.0	5.40	3.75	0.00	0.00
SPRINKLER FITTER	All	BLD		50.15	52.65	1.5	1.5	2.0	2.0	13.50	16.60	0.00	0.65
STEEL ERECTOR	All	ALL		42.07	44.07	2.0	2.0	2.0	2.0	13.45	19.59	0.00	0.35
STONE MASON	All	BLD		46.88	51.57	1.5	1.5	2.0	2.0	10.85	19.31	0.00	0.95
TERRAZZO FINISHER	All	BLD		42.54	42.54	1.5	1.5	2.0	2.0	11.00	14.64	0.00	0.88
TERRAZZO MASON	All	BLD		46.38	49.88	1.5	1.5	2.0	2.0	11.00	16.09	0.00	0.93
TILE MASON	All	BLD		47.50	51.50	1.5	1.5	2.0	2.0	11.00	16.06	0.00	0.93
TRAFFIC SAFETY WORKER	All	HWY		37.75	39.35	1.5	1.5	2.0	2.0	9.30	9.87	0.00	0.30
TRUCK DRIVER	E	ALL	1	36.45	37.10	1.5	1.5	2.0	2.0	9.68	13.25	0.00	0.15
TRUCK DRIVER	E	ALL	2	36.70	37.10	1.5	1.5	2.0	2.0	9.68	13.25	0.00	0.15
TRUCK DRIVER	E	ALL	3	36.90	37.10	1.5	1.5	2.0	2.0	9.68	13.25	0.00	0.15
TRUCK DRIVER	E	ALL	4	37.10	37.10	1.5	1.5	2.0	2.0	9.68	13.25	0.00	0.15
TRUCK DRIVER	W	ALL	1	37.36	37.91	1.5	1.5	2.0	2.0	9.00	11.64	0.00	0.15

TRUCK DRIVER	W	ALL	2	37.51	37.91	1.5	1.5	2.0	2.0	9.00	11.64	0.00	0.15
TRUCK DRIVER	W	ALL	3	37.71	37.91	1.5	1.5	2.0	2.0	9.00	11.64	0.00	0.15
TRUCK DRIVER	W	ALL	4	37.91	37.91	1.5	1.5	2.0	2.0	9.00	11.64	0.00	0.15
TUCKPOINTER	All	BLD		46.50	47.50	1.5	1.5	2.0	2.0	8.34	18.40	0.00	0.93

Legend
Rg Region
Type Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers
C Class
Base Base Wage Rate
OT M-F Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.
OT Sa Overtime pay required for every hour worked on Saturdays
OT Su Overtime pay required for every hour worked on Sundays
OT Hol Overtime pay required for every hour worked on Holidays
H/W Health/Welfare benefit
Vac Vacation
Trng Training
Other Ins Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

Explanations COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all

sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician;

Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin

Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Effective November 30, 2018, the description of the traffic safety worker trade in this County is as follows: Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary, non-temporary or permanent lane, pavement or roadway markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

BID

CONTRACT NO. I-17-4339

Bids will be received electronically via BidBuy, the State of Illinois eProcurement system. All Bids must be received by 10:30:00 a.m. local time, June 5, 2020. The system will not accept Bids after the deadline. Bid results will be posted after Bids are reviewed.

TO THE CHAIRMAN OF THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY:

The undersigned hereby proposes to perform: Widening and reconstruction of the Tri-State Tollway (I-294) from PR I-294 CL Sta. 1853+10.00 to EX I-294 CL Sta. 1918+00.00; Reconstruction of the Tri-State Tollway (I-294) BNs 285 & 286 over Grand Avenue; Reconstruction of the Tri-State Tollway (I-294) BNs 287 & 288 over the UPRR; Construction of Ramp S2 BN 1659, the exit ramp from NB Tri-State Tollway (I-294) to NB EOWA (I-490) roadway and structure; Construction of Ramp S1 BN1658, the entrance ramp from SB WA (I-490) to SB Tri-State Tollway (I-294) roadway and structure; Construction of median and outside retaining walls; ITS infrastructure; Relocation of Franklin Park utilities; Drainage improvements; Temporary lighting and permanent lighting; Maintenance of traffic operations; Installation of permanent pavement marking and signing; Erosion control measures and landscaping improvements; Protection of existing utilities within the construction zones; Temporary and permanent traffic signals at the intersection of County Line Road and Grand Avenue; Installation of underpass lighting on Grand Avenue; grading Pond S1/S2; Wolf Road BN 289 bridge deck repairs; and closure of the Tri-State Tollway (I-294) existing median crossover located from EX Sta. 1934+00.00 to Sta. 1940+54.42. The services will be performed within the: Tri-State Tollway (I-294) between Mile Post 35.04 and Mile Post 36.70 in Cook County, Illinois.

The undersigned declares that the Advertisement for Bids, Instructions to Bidders, this Bid Form, IDOT Standard Specifications, Tollway Supplemental Specifications, Special Provisions, Plans, Addenda to the foregoing (if any), form of Agreement, forms of Contract Bonds, and other exhibits (if any), on file at the office of The Illinois State Toll Highway Authority have been carefully examined, and that the undersigned has inspected in detail the site of the proposed Work, and familiarized itself with all of the conditions affecting the contract, and that has satisfied itself as to The Work to be done and the conditions under which it must be carried out, and understands that in submitting this bid waives all rights to plead any misunderstanding regarding the same.

The undersigned hereby tenders this bid to construct and complete said Work in accordance with the Plans, IDOT Standard Specifications, Tollway Supplemental Specifications and the accompanying Special Provisions now on file in the office of The Illinois State Toll Highway Authority, and the following addenda issued thereto:

Addendum No. 1 Date 05.05.2020

Addendum No. 2 Date 05.19.2020

Addendum No. 3 Date 05.26.2020

Addendum No. _____ Date _____

The undersigned further agrees to furnish all necessary transportation, machinery, equipment, tools, labor and other means of construction; and to do all the work and to furnish all of the materials specified in the contract in the manner and at the times prescribed under the supervision and direction of the Tollway or its authorized representatives, for the lump sums and unit prices quoted in the following Schedule of Prices:

Accompanying this bid is a Bid Guaranty:

(a) Evidence by a bank draft, cashier's check or certified check on _____, Bank, for $_____, payable to The Illinois State Toll Highway Authority, or

(b) A Bid Bond in favor of the Tollway for $_____5%_____, with a corporate surety authorized to do business in the State of Illinois.

In the event that this bid shall be accepted by The Illinois State Toll Highway Authority, and the undersigned should fail to execute a contract with and furnish the security required by the Tollway, as set forth in the Standard Specifications, within ten (10) days after receipt of notice of the acceptance of the bid, such draft or check shall become the property of the Tollway, or if a bid bond has been submitted, the principal amount of said bid bond shall become immediately due and payable to the Tollway; otherwise the Bid Guarantee will be returned to the bidder upon written request, as soon as the contract and contract bonds have been executed. If a bid guaranty is secured by a check, the check will be returned to the bidder.

Pursuant to the provisions of the Prevailing Wage Act, 820 ILCS 130, the undersigned, as part of its bid for the construction of The Illinois State Toll Highway Authority **Contract I-17-4339,** hereby stipulates that, if awarded a contract on said bid, it will pay the laborers, mechanics and other workers who are employed in the performance of such work hourly wages not less than the minimum hourly wages stated in the instructions to bidders; and that its computations in arriving at said bid are based on hourly wages not less than those stated in the instructions to bidders; and that if a contract be entered into under said bid, the minimum hourly wage rates stated in the instructions to bidders shall become and be a part of said contract as provided by law.

It is understood that the quantities of work and material shown herein in the Schedule of Prices of the bid are approximate only and are subject to increase or decrease as provided in the I.D.O.T. Standard Specifications and the Tollway Supplemental Specifications. Such increase or decrease shall in no manner affect the validity of the contract.

On the acceptance of this bid for said work, the undersigned will furnish and deliver the Performance and Payment Bonds, in the forms required and furnished by the Tollway and included in the contract documents, with a corporate surety acceptable to the Tollway and authorized to do business in the State of Illinois, conditioned as stated in said bonds.

The undersigned has also properly executed or caused to be executed by an officer thereof, if a corporation, the non-collusion affidavit filed with this bid.

Unless otherwise specified, a current IDOT "Certificate of Eligibility" shall be included with this bid, or shall be submitted within twenty-four (24) hours after the bid opening. **Failure to meet this requirement shall be grounds for rejection of the bid, per Article 102.13 of the Tollway Supplemental Specifications.**

The undersigned is aware that, completely filled out forms of the Tollway entitled "Plant and Equipment Questionnaire" and "Current Contractual Obligations," will be requested from the apparent low bidder once the apparent low bidder is determined as required by the Tollway Supplemental Specifications.

It is agreed that time is of the essence of this contract and that I (we) will, in the event of my (our) failure to complete the contract within the time limit named above, pay to The Illinois State Toll Highway Authority liquidated damages in the amount stated in the Special Provision, based on the price(s) shown in the Schedule of Prices of the bid.

The undersigned is (check one)
an individual ☐
a Partnership ☐
a Corporation ☒ under the laws of the State of New York

having principal office at 26-15 Ulmer St., College Point, NY 11354 and has furnished to the Tollway the necessary evidence of Tollway to transact business in the State of Illinois, in accordance with Paragraph 10 of the Instructions to Bidders.

Signed and sealed this 2nd day of June, 2020, by its Executive Vice President thereunto duly authorized.

[redacted] (SEAL)

_____ (SEAL)

Affix Corporate Seal BY: Arnav Amin

or Power of Attorney Where Applicable

Information below to be typed or printed where applicable.

INDIVIDUAL:

Name	Address

PARTNERSHIP - NAME AND ADDRESS OF GENERAL PARTNERS:

Name	Address

INCORPORATED:

Ashok Patel President	26-15 Ulmer St., College Point, NY 11354 Address
Uday Durg Arnav Amin Vice-President	26-15 Ulmer St., College Point, NY 11354 1011 Warrenville Road, Suite 195, Lisle, IL 60532 Address
Cesar Pereira Secretary	26-15 Ulmer St., College Point, NY 11354 Address
Martin Saitzyk Treasurer	26-15 Ulmer St., College Point, NY 11354 Address

Bid Notes

Each bid solicitation will have a contract-specific Bid Credit Cap on the amount of Bid Credit that can be applied to the contract. This particular solicitation has a Bid Credit cap of $500,000.00. Any Bid Credits applied above and beyond the Bid Credit cap will not be considered.

A. Core Work shall be the sum of the unit prices supplied by the bidder multiplied by the pay item quantity.
B. Unit prices for Contractor's Quality Program and Contingency Work will be supplied by the Illinois Tollway with the sum total of this work completed by the Illinois Tollway and included in the P-pages.
C. Base Bid will be calculated as: Total Amount of Core Work + Contractor's Quality Program + Total Amount of Contingency Work
D. Bid Credit is to include the total amount of Bid Credits applied to the bid
E. Award Criteria will be calculated by the Illinois Tollway and will be calculated as follows: Base Bid minus Bid Credit.

All Bid Credit Certificates used to arrive at the Bid Credit included on Bid Credit Line must be included in the original bid package. All Bid Credit Certificates applied to a successful bid will become null and void at the time the bidder's award criteria figure is deemed the lowest most responsible and responsive bid and the bid is awarded by the Illinois Tollway's Board of Directors, at which time the Bid Credit Certificate shall not be available for inclusion in any other bid.

All blank spaces for bid prices must be filled in with the unit price, or lump sum price, and the total price for each and every item (which prices must be more than $0.00). Bids which do not contain a price for every item listed in the Schedule of Prices for the contract being bid, will not be considered, unless alternate bids are requested.
The contractor shall complete all work under this Agreement for the performance of contract No. I-17-4339 as specified in S.P. 103.1

4/339
Bidders

JUDGE ok

4/339

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-17-4339
ELGIN O'HARE WEST ACCESS TOLLWAY (I-490)
ROADWAY AND BRIDGE WIDENING AND RECONSTRUCTION
TRI-STATE TOLLWAY (I-294)
SOUTH OF GRAND AVENUE TO WOLF ROAD
MILE POST 35.04 TO MILE POST 36.70
WESTERN ACCESS TOLLWAY (I-490)
RAMP S1 AND RAMP S2
MILE POST 0.00 TO MILE POST 00.25
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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	564	$18.00	$10,152.00
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	515	$23.00	$11,845.00
*	20100500	TREE REMOVAL, ACRES	ACRE	1.00	$6,500.00	$6,500.00
	20101000	TEMPORARY FENCE	FOOT	1,647	$5.00	$8,235.00
*	20200100	EARTH EXCAVATION	CU YD	145,750	$35.00	$5,101,250.00
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,422	$25.00	$110,550.00
*	20400800	FURNISHED EXCAVATION	CU YD	83,529	$0.01	$835.29
	20800150	TRENCH BACKFILL	CU YD	20,828	$24.00	$499,872.00
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	203	$3.00	$609.00
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	602	$3.00	$1,806.00
	25100127	MULCH, METHOD 3A	ACRE	71.00	$2,500.00	$177,500.00
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4,267	$4.00	$17,068.00
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	42,008	$1.10	$46,208.80
	28100107	STONE RIPRAP, CLASS A4	SQ YD	162	$64.87	$10,508.94
	28100205	STONE RIPRAP, CLASS A3	TON	20,135	$50.00	$1,006,750.00

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	28100211	STONE RIPRAP, CLASS A6	TON	324	$65.25	$21,141.00
	28200200	FILTER FABRIC	SQ YD	20,716	$1.46	$30,245.36
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	7,916	$50.00	$395,800.00
	42001300	PROTECTIVE COAT	SQ YD	105,587	$1.00	$105,587.00
	44000100	PAVEMENT REMOVAL	SQ YD	73,578	$20.00	$1,471,560.00
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,247	$9.50	$11,846.50
	44000400	GUTTER REMOVAL	FOOT	8,225	$12.00	$98,700.00
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	143	$12.00	$1,716.00
*	44001980	CONCRETE BARRIER REMOVAL	FOOT	391	$30.00	$11,730.00
	44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	18	$107.00	$1,926.00
	44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	15	$100.00	$1,500.00
	44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	22	$100.00	$2,200.00
	44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	271	$235.00	$63,685.00
	45100100	CRACK ROUTING (PAVEMENT)	FOOT	730	$5.00	$3,650.00
	45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	384	$5.00	$1,920.00

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	$500,000.00	$500,000.00
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	$1,100,000 00	$1,100,000.00
	50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	$76,000.00	$76,000.00
	50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	$150,000.00	$150,000.00
	50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1	$20,000.00	$20,000.00
	50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1	$25,000.00	$25,000.00
	50102400	CONCRETE REMOVAL	CU YD	161.6	$2,000.00	$323,200.00
	50104400	CONCRETE HEADWALL REMOVAL	EACH	9	$525.00	$4,725.00
	50157300	PROTECTIVE SHIELD	SQ YD	15,482	$70.00	$1,083,740.00
	50200100	STRUCTURE EXCAVATION	CU YD	43,589	$40.00	$1,743,560.00
	50200300	COFFERDAM EXCAVATION	CU YD	2,142	$5.00	$10,710.00
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	7,751	$59.00	$457,309.00
	50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	$0.01	$0 01
	50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	$0.01	$0 01
	50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1	$0.01	$0 01

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH	1	$0.01	$0 01
	50201125	COFFERDAM (TYPE 2) (LOCATION - 5)	EACH	1	$0.01	$0 01
	50201126	COFFERDAM (TYPE 2) (LOCATION - 6)	EACH	1	$0.01	$0 01
	50300225	CONCRETE STRUCTURES	CU YD	6,907.7	$700.00	$4,835,390.00
	50300254	RUBBED FINISH	SQ FT	29,887	$3.50	$104,604.50
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,137.6	$850.00	$1,816,960.00
	50300265	SEAL COAT CONCRETE	CU YD	543.0	$1.00	$543.00
	50300280	CONCRETE ENCASEMENT	CU YD	34.0	$700.00	$23,800.00
	50300285	FORM LINER TEXTURED SURFACE	SQ FT	18,274	$15.00	$274,110.00
	50300300	PROTECTIVE COAT	SQ YD	54,729	$0.50	$27,364.50
	50500505	STUD SHEAR CONNECTORS	EACH	62,136	$5.00	$310,680.00
*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,306,153	$1.40	$8,828,614.20
	50800515	BAR SPLICERS	EACH	6,176	$40.00	$247,040.00
	50800530	MECHANICAL SPLICERS	EACH	256	$90.00	$23,040.00
	50901760	PIPE HANDRAIL	FOOT	91	$247.00	$22,477.00

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	51100100	SLOPE WALL 4 INCH	SQ YD	36	$120.00	$4,320.00
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	7,152	$45.00	$321,840.00
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	16,596	$60.00	$995,760.00
	51202000	FURNISHING STEEL PILES HP14X102	FOOT	4,389	$65.00	$285,285.00
	51202100	FURNISHING STEEL PILES HP14X117	FOOT	37,384	$70.00	$2,616,880.00
	51202305	DRIVING PILES	FOOT	65,521	$1.00	$65,521.00
	51203600	TEST PILE STEEL HP12X53	EACH	12	$7,500.00	$90,000.00
	51203900	TEST PILE STEEL HP14x89	EACH	10	$8,000.00	$80,000.00
	51204000	TEST PILE STEEL HP14X102	EACH	4	$8,000.00	$32,000.00
	51204100	TEST PILE STEEL HP14x117	EACH	16	$8,000.00	$128,000.00
	51204650	PILE SHOES	EACH	866	$150.00	$129,900.00
	51602000	PERMANENT CASING	FOOT	557	$105.00	$58,485.00
	51603000	DRILLED SHAFT IN SOIL	CU YD	4	$5,500.00	$22,000.00
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	86	$125.00	$10,750.00
	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6	$2,500.00	$15,000.00

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6	$3,500.00	$21,000.00
	52100510	ANCHOR BOLTS, 3/4"	EACH	120	$100.00	$12,000.00
	52100520	ANCHOR BOLTS, 1"	EACH	8	$125.00	$1,000.00
	52100530	ANCHOR BOLTS, 1 1/4"	EACH	252	$135.00	$34,020.00
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	40	$150.00	$6,000.00
	52100560	ANCHOR BOLTS, 2"	EACH	48	$200.00	$9,600.00
	52200010	TEMPORARY SHEET PILING	SQ FT	7,074	$1.00	$7,074.00
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	28,894	$15.00	$433,410.00
	52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	2,217	$75.00	$166,275.00
	52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	9,140	$15.00	$137,100.00
	52200250	UNTREATED TIMBER LAGGING	SQ FT	6,174	$12.00	$74,088.00
*	52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	3,548	$600.00	$2,128,800.00
	542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	102	$37.00	$3,774.00
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4	$750.00	$3,000.00
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	434	$33.50	$14,539.00

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	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	4,815	$36.25	$174,543.75
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	5,555	$38.65	$214,700.75
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,787	$51.00	$91,137.00
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	1,248	$62.50	$78,000.00
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	749	$76.00	$56,924.00
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	373	$93.50	$34,875.50
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	872	$106.00	$92,432.00
	550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	262	$147.00	$38,514.00
	550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	363	$39.00	$14,157.00
	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	256	$51.00	$13,056.00
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	480	$62.50	$30,000.00
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	248	$76.00	$18,848.00
	550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	175	$125.00	$21,875.00
	550A0790	STORM SEWERS, CLASS A, TYPE 3 54"	FOOT	114	$150.00	$17,100.00
	550A1010	STORM SEWERS, CLASS A, TYPE 4 24"	FOOT	18	$60.00	$1,080.00

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	550A1080	STORM SEWERS, CLASS A, TYPE 4 48"	FOOT	185	$125.00	$23,125.00
	550A1090	STORM SEWERS, CLASS A, TYPE 4 54"	FOOT	385	$160.00	$61,600.00
	550A1360	STORM SEWERS, CLASS A, TYPE 5 54"	FOOT	337	$160.00	$53,920.00
	55100200	STORM SEWER REMOVAL 6"	FOOT	411	$18.00	$7,398.00
	55100500	STORM SEWER REMOVAL 12"	FOOT	1,285	$20.50	$26,342.50
	55100700	STORM SEWER REMOVAL 15"	FOOT	2,079	$20.75	$43,139.25
	55100900	STORM SEWER REMOVAL 18"	FOOT	2,208	$21.50	$47,472.00
	55101200	STORM SEWER REMOVAL 24"	FOOT	590	$22.00	$12,980.00
	55101300	STORM SEWER REMOVAL 27"	FOOT	213	$22.00	$4,686.00
	55101400	STORM SEWER REMOVAL 30"	FOOT	310	$25.25	$7,827.50
	55101600	STORM SEWER REMOVAL 36"	FOOT	541	$32.00	$17,312.00
	55101800	STORM SEWER REMOVAL 42"	FOOT	1,285	$35.50	$45,617.50
	55101900	STORM SEWER REMOVAL 48"	FOOT	256	$35.50	$9,088.00
	55201700	STORM SEWERS JACKED IN PLACE, 54"	FOOT	365	$1,800.00	$657,000.00
ISSP	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1,581	$40.00	$63,240.00

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	58700300	CONCRETE SEALER	SQ FT	11,859	$2.00	$23,718.00
	59000200	EPOXY CRACK INJECTION	FOOT	36	$75.00	$2,700.00
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	2,056	$20.00	$41,120.00
	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	1,639	$21.50	$35,238.50
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	$6,400.00	$19,200.00
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	$5,150.00	$15,450.00
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	$6,700.00	$33,500.00
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	$11,000.00	$11,000.00
	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	$7,650.00	$7,650.00
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	$9,800.00	$49,000.00
	60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1	$9,600.00	$9,600.00
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	$16,000.00	$48,000.00
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	$19,000.00	$19,000.00
	60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	$25,500.00	$51,000.00
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	$5,200.00	$5,200.00

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	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	$5,100.00	$15,300.00
	60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	2	$5,400.00	$10,800.00
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	$700.00	$700.00
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	$950.00	$2,850.00
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6	$1,500.00	$9,000.00
	60256400	MANHOLES TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	4	$900.00	$3,600.00
	60258800	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 8 GRATE	EACH	1	$1,650.00	$1,650.00
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	$700.00	$1,400.00
	60500040	REMOVING MANHOLES	EACH	40	$325.00	$13,000.00
	60500050	REMOVING CATCH BASINS	EACH	40	$550.00	$22,000.00
	60500060	REMOVING INLETS	EACH	18	$240.00	$4,320.00
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	56	$33.63	$1,883.28
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	74	$39.26	$2,905.24
	63200310	GUARDRAIL REMOVAL	FOOT	8,540	$5.15	$43,981.00
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	18	$1,100.00	$19,800.00
BDE	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	7,584	$1.35	$10,238.40

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	70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE,NARROW), TEST LEVEL 3	EACH	19	$9,983.00	$189,677.00
	70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	1	$3,110.00	$3,110.00
D1	72000100	SIGN PANEL - TYPE 1	SQ FT	30	$72.27	$2,168.10
D1	72000200	SIGN PANEL - TYPE 2	SQ FT	92	$52.38	$4,818.96
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	20	$241.75	$4,835.00
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	7	$428.10	$2,996.70
	72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	956	$5.54	$5,296.24
D1	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	35	$58.42	$2,044.70
D1	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	42	$46.34	$1,946.28
	72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3,950	$2.92	$11,534.00
	73000100	WOOD SIGN SUPPORT	FOOT	74	$50.37	$3,727.38
	73400100	CONCRETE FOUNDATIONS	CU YD	12	$1,510.96	$18,131.52
	73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1	$10,249.32	$10,249.32
	73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1	$6,421.56	$6,421.56
	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	8	$423.07	$3,384.56

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	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	8	$1,037.52	$8,300.16
	73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	3	$6,446.75	$19,340.25
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,612	$3.15	$8,227.80
	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	99,498	$0.55	$54,723.90
	78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	6,402	$1.35	$8,642.70
	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	366	$6.25	$2,287.50
	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	2,710	$3.35	$9,078.50
	78100300	REPLACEMENT REFLECTOR	EACH	12	$40.00	$480.00
D1	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	$2,030.00	$2,030.00
D1	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	$5,011.89	$5,011.89
D1	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,730	$20.93	$36,208.90
D1	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	467	$31.04	$14,495.68
D1	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	387	$42.10	$16,292.70
D1	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	606	$65.93	$39,953.58
D1	81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,223	$42.21	$51,622.83

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D1	81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	20	$83.35	$1,667.00
	81200215	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	FOOT	853	$7.87	$6,713.11
	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	22	$715.27	$15,735.94
	81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	11	$1,064.40	$11,708.40
D1	81400100	HANDHOLE	EACH	13	$2,576.39	$33,493.07
D1	81400200	HEAVY-DUTY HANDHOLE	EACH	5	$3,426.00	$17,130.00
D1	81400300	DOUBLE HANDHOLE	EACH	3	$5,318.17	$15,954.51
	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1	$4,111.24	$4,111.24
D1	81603055	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,482	$13.29	$32,985.78
D1	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4,351	$2.16	$9,398.16
D1	81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	70	$18.29	$1,280.30
	81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	12,440	$11.65	$144,926.00
D1	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	15	$669.99	$10,049.85
D1	82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	22	$1,918.74	$42,212.28
	82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1	$8,702.02	$8,702.02

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	83050770	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	EACH	8	$3,463.11	$27,704.88
	83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	8	$1,362.32	$10,898.56
	83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	25	$893.20	$22,330.00
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8	$399.05	$3,192.40
	84400405	RELOCATE EXISTING WOOD POLES	EACH	5	$1,182.96	$5,914.80
D1	86000100	MASTER CONTROLLER	EACH	1	$5,590.86	$5,590.86
	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2	$1,251.77	$2,503.54
D1	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	399	$1.06	$422.94
D1	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,034	$1.28	$1,323.52
D1	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,796	$1.43	$3,998.28
D1	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,906	$1.77	$3,373.62
D1	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,003	$1.28	$5,123.84
	87301740	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 22 4 PAIR	FOOT	185	$1.90	$351.50
D1	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	346	$2.94	$1,017.24
D1	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,117	$2.27	$2,535.59

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D1	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	$1,314.21	$5,256.84
D1	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	$1,361.62	$1,361.62
D1	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1	$8,833.74	$8,833.74
D1	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	2	$12,169.75	$24,339.50
D1	87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1	$13,013.25	$13,013.25
D1	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2	$13,355.07	$26,710.14
D1	87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1	$13,459.81	$13,459.81
D1	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1	$14,789.06	$14,789.06
D1	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24	$441.35	$10,592.40
D1	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8	$849.61	$6,796.88
	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14	$439.24	$6,149.36
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	94	$507.50	$47,705.00
D1	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11	$866.55	$9,532.05
D1	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	$628.79	$1,886.37
D1	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	$1,183.70	$4,734.80

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D1	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	$1,432.49	$5,729.96
D1	88055150	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	$3,498.09	$6,996.18
D1	88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3	$3,476.04	$10,428.12
D1	88055190	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	$5,176.98	$10,353.96
D1	88055200	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2	$5,410.33	$10,820.66
D1	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	20	$135.52	$2,710.40
	88500100	INDUCTIVE LOOP DETECTOR	EACH	16	$144.34	$2,309.44
D1	88600100	DETECTOR LOOP, TYPE I	FOOT	943	$33.24	$31,345.32
	88700200	LIGHT DETECTOR	EACH	2	$948.55	$1,897.10
D1	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	$100,000.00	$200,000.00
D1	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3	$739.34	$2,218.02
D1	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2	$369.68	$739.36
D1	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	$13,308.25	$26,616.50
	89502380	REMOVE EXISTING HANDHOLE	EACH	20	$739.34	$14,786.80
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2	$924.19	$1,848.38

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18	$500.00	$9,000.00
*	X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	22	$78.89	$1,735.58
*	X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	3	$1,500.00	$4,500.00
*	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	$1,850.00	$5,550.00
*	X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	3	$1,850.00	$5,550.00
*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3	$365.00	$1,095.00
*	X0323378	CONCRETE PARKING BLOCKS	EACH	22	$223.79	$4,923.38
*	X0323449	REMOVE EXISTING WATER VALVE	EACH	4	$900.00	$3,600.00
D1	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,055	$1.14	$1,202.70
GBSP	X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	2,777	$122.18	$339,293.86
*	X0326104	RELOCATE RADAR DETECTOR SYSTEM	EACH	1	$19.59	$19 59
*	X0326713	SANITARY SEWER CONNECTION	EACH	3	$2,100.00	$6,300.00
*	X0327369	SANITARY SEWER, DUCTILE IRON, 10"	FOOT	1,876	$88.00	$165,088.00
*	X0327420	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	21	$71.00	$1,491.00
*	X0327645	TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	2,906	$71.18	$206,849.08

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*	X0327651	WATER MAIN IN CASING, 12"	FOOT	451	$130.00	$58,630.00
BDE	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,409	$0.90	$4,868.10
*	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	1,983	$21.50	$42,634.50
*	X0795800	COARSE AGGREGATE	TON	966	$40.00	$38,640.00
*	X0839900	SANITARY SEWER REMOVAL 6"	FOOT	64	$28.00	$1,792.00
*	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	49	$21.50	$1,053.50
*	X1200033	SANITARY SEWER IN CASING PIPE, 10"	FOOT	170	$105.00	$17,850.00
*	X1200044	TEMPORARY STORM SEWER 12"	FOOT	227	$63.75	$14,471.25
*	X1200209	TRENCH DRAIN REMOVAL	FOOT	495	$30.86	$15,275.70
D1	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1	$14,763.11	$14,763.11
D1	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2	$4,831.84	$9,663.68
D1	X1400182	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1	$14,862.34	$14,862.34
D1	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2	$6,070.80	$12,141.60
*	X1400340	AERIAL CABLE REMOVAL	FOOT	95	$5.54	$526.30
GBSP	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	24,554	$6.00	$147,324.00
*	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	4,337	$3.00	$13,011.00

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
GBSP	X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	$20,000.00	$20,000.00
GBSP	X5210120	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K	EACH	24	$4,031.14	$96,747.36
GBSP	X5210180	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 550K	EACH	6	$6,216.37	$37,298.22
GBSP	X5210200	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 650K	EACH	6	$6,276.51	$37,659.06
GBSP	X5210210	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 700K	EACH	12	$6,346.68	$76,160.16
GBSP	X5210220	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 750K	EACH	12	$7,795.14	$93,541.68
GBSP	X5210230	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 800K	EACH	6	$7,158.62	$42,951.72
GBSP	X5210240	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 900K	EACH	18	$8,241.21	$148,341.78
GBSP	X5210355	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 650K	EACH	12	$4,993.44	$59,921.28
GBSP	X5210375	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 850K	EACH	6	$6,281.52	$37,689.12
*	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	1,593	$110.00	$175,230.00
*	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	363	$9.41	$3,415.83
*	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	303	$28.41	$8,608.23
*	X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	668	$39.46	$26,359.28
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	109	$21.50	$2,343.50
*	X5620112	WATER SERVICE CONNECTION	EACH	2	$7,000.00	$14,000.00

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GBSP	X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	3,793	$3.25	$12,327.25
*	X6011705	PIPE DRAINS 6" (SPECIAL)	FOOT	34	$145.00	$4,930.00
*	X6022110	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	$34,000.00	$68,000.00
*	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10	$10,000.00	$100,000.00
*	X6640535	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	FOOT	1,863	$28.22	$52,573.86
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	$50,000.00	$50,000.00
*	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	12	$20.00	$240.00
D1	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2	$4,306.61	$8,613.22
D1	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	399	$6.40	$2,553.60
*	X8860400	DETECTOR LOOP, SPECIAL	FOOT	928	$1.20	$1,113.60
GBSP	Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	$400,000.00	$400,000.00
*	Z0010615	CLEANING EXISTING INLETS	EACH	4	$658.88	$2,635.52
GBSP	Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	959	$20.00	$19,180.00
GBSP	Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	959	$55.00	$52,745.00
GBSP	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1	$190.00	$190.00

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GBSP	Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	1	$400.00	$400.00
*	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	1	$3,000.00	$3,000.00
GBSP	Z0018800	DRAINAGE SYSTEM	L SUM	1	$70,000.00	$70,000.00
D1	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	15	$101.34	$1,520.10
D1	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1	$1,578.75	$1,578.75
GBSP	Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	52.5	$1,200.00	$63,000.00
GBSP	Z0034809	MODULAR EXPANSION JOINT-SWIVEL 9"	FOOT	100.5	$4,100.00	$412,050.00
GBSP	Z0034812	MODULAR EXPANSION JOINT-SWIVEL 12"	FOOT	89.0	$5,400.00	$480,600.00
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,265	$25.95	$32,826.75
GBSP	Z0046306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	1,694	$28.58	$48,414.52
*	Z0048900	RAILROAD TRACK REMOVAL	FOOT	2,334	$40.00	$93,360.00
*	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	79	$40.00	$3,160.00
*	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	33	$54.00	$1,782.00
*	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	26	$70.00	$1,820.00
*	Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	451	$155.00	$69,905.00

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*	Z0056628	STORM SEWER (WATER MAIN REQUIREMENTS) 54 INCH	FOOT	20	$300.00	$6,000.00
GBSP	Z0065704	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	4,263	$23.00	$98,049.00
*	Z0073346	SLEEPER SLAB	SQ YD	616	$125.00	$77,000.00
*	Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	5	$1,000.01	$5,000.05
D1	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	$473.63	$947.26
*	JA000290	STEEL CASING PIPE, BORE AND JACK, 54"	FOOT	189	$1,200.00	$226,800.00
*	JA000348	GATE VALVE AND VAULT, 8"	EACH	2	$6,000.00	$12,000.00
*	JA000410	REMOVAL OF EXISTING WATER MAIN, 12"	FOOT	1,858	$21.50	$39,947.00
*	JA000479	ABANDON EXISTING WATER MAIN IN PLACE, 12"	FOOT	159	$50.00	$7,950.00
*	JA000633	PLUG SANITARY MANHOLE	EACH	1	$50.00	$50.00
*	JA000650	DUCTILE IRON WATERMAIN, 12"	FOOT	1,975	$100.00	$197,500.00
*	JA000655	WATER VALVES, 12"	EACH	6	$5,000.00	$30,000.00
*	JA000660	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	$4,000.00	$24,000.00
*	JA000700	CONNECTION TO EXISITING WATER MAIN, 12"	EACH	3	$6,500.00	$19,500.00
*	JA000810	ABANDON AND FILL EXISTING SANITARY SEWERS, 10"	FOOT	190	$42.00	$7,980.00

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*	JI209010	POROUS GRANULAR BACKFILL FOR PIPE UNDERDRAINS	CU YD	82	$72.00	$5,904.00
*	JI211110	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	9,013	$13.00	$117,169.00
*	JI211112	TOPSOIL EXCAVATION AND DISPOSAL	CU YD	9,196	$45.00	$413,820.00
*	JI213002	EXPLORATORY POTHOLING, UTILITIES	EACH	27	$300.00	$8,100.00
*	JI213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	1,000	$50.00	$50,000.00
*	JI213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	1,000	$50.00	$50,000.00
*	JI251010	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	50,750	$1.30	$65,975.00
*	JI251015	HEAVY DUTY EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	41,349	$1.50	$62,023.50
*	JI282010	SUBGRADE FILTER FABRIC	SQ YD	132,993	$1.75	$232,737.75
*	JI312022	STABILIZED SUBBASE – WMA, 3"	SQ YD	93,608	$12.00	$1,123,296.00
*	JI355121	WARM-MIX ASPHALT BASE COURSE, 9"	SQ YD	549	$60.00	$32,940.00
*	JI406035	TEST STRIP (STONE MATRIX ASPHALT)	EACH	3	$7,950.00	$23,850.00
*	JI406037	MATERIAL TRANSFER DEVICE	TON	17,157	$2.50	$42,892.50
*	JI406041	STONE MATRIX WARM MIX ASPHALT BINDER COURSE, IL-9.5, N80	TON	6,455	$113.00	$729,415.00
*	JI406048	STONE MATRIX WARM MIX ASPHALT SURFACE FRICTION COURSE, IL12.5 N80	TON	11,090	$117.00	$1,297,530.00
*	JI406107	ASPHALT TACK COAT	POUND	156,654	$0.01	$1,566.54
*	JI406410	WARM-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	414	$85.00	$35,190.00

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*	JI406510	WARM-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4	$450.00	$1,800.00
*	JI406900	CONSTRUCTING WARM MIX ASPHALT TEST STRIP	EACH	4	$8,000.00	$32,000.00
*	JI420022	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	SQ YD	540	$95.00	$51,300.00
*	JI420040	BRIDGE APPROACH SLAB	SQ YD	2,242	$415.00	$930,430.00
*	JI420041	TRANSITION APPROACH SLAB	SQ YD	5,289	$150.00	$793,350.00
*	JI420046	TRANSITION APPROACH SHOULDER SLAB	SQ YD	364	$600.00	$218,400.00
*	JI420906	LONGITUDINAL JOINT SEALANT	FOOT	84,195	$1.30	$109,453.50
*	JI420907	LONGITUDINAL JOINT SEALANT, HALF WIDTH	FOOT	57,131	$1.30	$74,270.30
*	JI421470	LONGITUDINAL SAW CUTS	FOOT	37,138	$1.30	$48,279.40
*	JI440010	CONCRETE MEDIAN BARRIER AND BASE REMOVAL	FOOT	7,380	$40.00	$295,200.00
*	JI440015	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,283	$10.00	$32,830.00
*	JI440030	PAVED SHOULDER REMOVAL, VARIABLE DEPTH	SQ YD	66,086	$5.00	$330,430.00
*	JI442724	CLASS D3 PATCHES, TYPE IV, 13 INCHES	SQ YD	100	$363.54	$36,354.00
*	JI481070	AGGREGATE SHOULDERS SPECIAL, TYPE C	TON	216	$60.00	$12,960.00
*	JI481130	AGGREGATE SHOULDERS WITH FILTER FABRIC, TYPE B 4"	SQ YD	207	$7.00	$1,449.00
*	JI482128	WARM-MIX ASPHALT SHOULDERS, SPECIAL (9 IN.)	SQ YD	61,673	$40.00	$2,466,920.00
*	JI485020	TEMPORARY PAVEMENT, CLASS 2	SQ YD	1,234	$61.98	$76,483.32

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*	JI485030	TEMPORARY PAVEMENT, CLASS 3	SQ YD	755	$67.15	$50,698.25
*	JI503010	HIGH PERFORMANCE CONCRETE SUPERSTRUCTURE	CU YD	7,859.0	$750.00	$5,894,250.00
*	JI503020	HIGH PERFORMANCE CONCRETE MOMENT SLAB STRUCTURES	CU YD	7,401.1	$350.00	$2,590,385.00
*	JI503230	MASS CONCRETE STRUCTURES	CU YD	5,914.1	$750.00	$4,435,575.00
*	JI504060	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL45	FOOT	4,398	$110.00	$483,780.00
*	JI504120	ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, IL72	FOOT	8,940	$175.00	$1,564,500.00
*	JI505231	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 1	L SUM	1	$10,050,000.00	$10,050,000.00
*	JI505232	FURNISHING AND ERECTING STRUCTURAL STEEL NO. 2	L SUM	1	$10,000,000.00	$10,000,000.00
*	JI522500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	185,181	$70.00	$12,962,670.00
*	JI550120	TEMPORARY STORM SEWER, CLASS A, 24"	FOOT	809	$79.00	$63,911.00
*	JI550902	DUCTILE IRON STORM SEWER, 6 INCH	FOOT	57	$41.00	$2,337.00
*	JI550936	DUCTILE IRON STORM SEWER, 36 INCH	FOOT	85	$360.00	$30,600.00
*	JI593010	CONTROLLED LOW-STRENGTH MATERIAL (SPECIAL)	CU YD	163	$175.00	$28,525.00
*	JI593030	ABANDON AND FILL EXISTING STORM SEWER	CU YD	61	$500.00	$30,500.00
*	JI599007	TEMPORARY SOIL RETENTION SYSTEM TO REMAIN IN PLACE	SQ FT	2,259	$1.00	$2,259.00

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*	JI601215	SLOPE DRAIN, 15"	FOOT	171	$80.00	$13,680.00
*	JI601300	PIPE UNDERDRAINS, 6" (SPECIAL)	FOOT	824	$18.65	$15,367.60
*	JI601320	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	14,685	$18.65	$273,875.25
*	JI602010	CATCH BASINS, TYPE B	EACH	2	$10,200.00	$20,400.00
*	JI602045	CATCH BASINS, TYPE G-3, TYPE 20A FRAME AND GRATE	EACH	25	$10,500.00	$262,500.00
*	JI602115	CATCH BASINS, TYPE G-2, TYPE G-2 FRAME AND GRATE	EACH	4	$8,400.00	$33,600.00
*	JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH	6	$11,000.00	$66,000.00
*	JI602128	CATCH BASINS, TYPE G-3(MODIFIED), TYPE 20A FRAME AND GRATE	EACH	69	$10,685.00	$737,265.00
*	JI602143	CATCH BASINS, TYPE G-5, TYPE 20A FRAME AND GRATE	EACH	2	$29,000.00	$58,000.00
*	JI602310	MANHOLE, TYPE A, 4 FT DIAMETER, TYPE 1 FRAME, OPEN LID (TEMPORARY)	EACH	20	$3,850.00	$77,000.00
*	JI602336	MANHOLE, TYPE A, 7 FT DIAMETER, TYPE G-2 FRAME AND GRATE	EACH	1	$23,000.00	$23,000.00
*	JI602362	MANHOLE, TYPE A, 9 FT DIAMETER, TYPE 20A FRAME AND GRATE	EACH	1	$30,000.00	$30,000.00
*	JI602518	DRAINAGE STRUCTURES TO BE ADJUSTED WITH TYPE 20A FRAME AND GRATE	EACH	18	$1,000.00	$18,000.00
*	JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAME AND GRATE	EACH	2	$12,000.00	$24,000.00
*	JI602791	JUNCTION CHAMBER, LOCATION 1	EACH	1	$45,857.53	$45,857.53
*	JI602792	JUNCTION CHAMBER, LOCATION 2	EACH	1	$38,072.51	$38,072.51

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*	JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1	$38,061.51	$38,061.51
*	JI602794	JUNCTION CHAMBER, LOCATION 4	EACH	1	$38,133.52	$38,133.52
*	JI602795	JUNCTION CHAMBER, LOCATION 5	EACH	1	$41,618.52	$41,618.52
*	JI602801	CATCH BASINS, TYPE G-4, TYPE 20A FRAME AND GRATE	EACH	5	$21,000.00	$105,000.00
*	JI602823	CATCH BASINS, TYPE G-4, WITH ONE TYPE 22A FRAME AND GRATE	EACH	2	$20,700.00	$41,400.00
*	JI606010	GUTTER, TYPE G-2	FOOT	1,848	$30.99	$57,269.52
*	JI606020	GUTTER, TYPE G-3	FOOT	861	$37.71	$32,468.31
*	JI606030	GUTTER, TYPE G-3, MODIFIED	FOOT	87	$41.32	$3,594.84
*	JI606050	CONCRETE GUTTER (SPECIAL)	FOOT	6,315	$32.02	$202,206.30
*	JI630002	GALVANIZED STEEL PLATE BEAM GUARDRAIL,TYPE A, 6 FOOT POSTS	FOOT	438	$24.57	$10,761.66
*	JI631110	TRAFFIC BARRIER TERMINAL, TYPE T1 (SPECIAL) TANGENT	EACH	2	$2,931.00	$5,862.00
*	JI631120	TRAFFIC BARRIER TERMINAL, TYPE T2	EACH	2	$1,383.00	$2,766.00
*	JI635010	ROADWAY DELINEATORS	EACH	4	$45.00	$180.00
*	JI637014	CONCRETE BARRIER, DOUBLE FACE, VARIABLE HEIGHT	FOOT	558	$190.00	$106,020.00
*	JI637017	CONCRETE BARRIER BASE (SPECIAL)	FOOT	117	$135.00	$15,795.00

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*	JI637030	CONCRETE BARRIER, SINGLE FACE, REINFORCED, 42 INCH	FOOT	2,272	$98.00	$222,656.00
*	JI637032	CONCRETE BARRIER BASE FOR SINGLE FACE BARRIER, REINFORCED, 42 INCH	FOOT	2,272	$150.00	$340,800.00
*	JI637034	CONCRETE BARRIER, SINGLE FACE, REINFORCED, 42 INCH (SPECIAL)	FOOT	5,454	$100.00	$545,400.00
*	JI637036	CONCRETE BARRIER BASE FOR SINGLE FACE BARRIER, REINFORCED, 42 INCH (SPECIAL)	FOOT	5,454	$120.00	$654,480.00
*	JI637050	CONCRETE BARRIER BASE, 5'	FOOT	315	$90.00	$28,350.00
*	JI637056	CONCRETE BARRIER BASE,VARIABLE HEIGHT, 7'	FOOT	243	$145.00	$35,235.00
*	JI637060	CONCRETE BARRIER TRANSITION, SPECIAL	FOOT	117	$215.00	$25,155.00
*	JI638010	TEMPORARY MODULAR GLARE SCREEN SYSTEM	FOOT	20,403	$3.00	$61,209.00
*	JI642014	ASPHALT SHOULDER RUMBLE STRIP, 16 INCH	FOOT	16,602	$1.07	$17,764.14
*	JI642030	MOMENT SLAB RUMBLE STRIP	FOOT	7,092	$7.50	$53,190.00
*	JI664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	9,152	$14.79	$135,358.08
*	JI664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	23	$400.00	$9,200.00
*	JI664315	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	14	$400.00	$5,600.00
*	JI664320	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	18	$340.00	$6,120.00
*	JI664335	DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	6	$1,922.00	$11,532.00

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*	JI664400	RIGHT OF WAY FENCE REMOVAL	FOOT	9,032	$5.31	$47,959.92
*	JI666010	RIGHT OF WAY MARKER	EACH	18	$1,095.00	$19,710.00
*	JI667010	PERMANENT SURVEY MONUMENT	EACH	2	$5,000.00	$10,000.00
*	JI669015	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	320	$676.00	$216,320.00
*	JI680004	HEADWALL TYPE I, 24"	EACH	1	$5,000.00	$5,000.00
*	JI680007	HEADWALL TYPE I, 36"	EACH	1	$6,000.00	$6,000.00
*	JI680073	HEADWALL TYPE III, 54", 1:3	EACH	1	$13,000.00	$13,000.00
*	JI704000	TEMPORARY CONCRETE BARRIER	FOOT	44,271	$15.00	$664,065.00
*	JI704005	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	19,263	$15.00	$288,945.00
*	JI704012	FURNISH AND INSTALL TEMPORARY CONCRETE BARRIER, TO REMAIN IN PLACE	FOOT	1,726	$40.00	$69,040.00
*	JI706282	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3, TO REMAIN IN PLACE	EACH	1	$28,310.00	$28,310.00
*	JI706400	REMOVE TEMPORARY IMPACT ATTENUATOR	EACH	1	$980.00	$980.00
*	JI725000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	$40.00	$240.00
*	JI728010	TELESCOPING STEEL SIGN SUPPORT, BARRIER ASSEMBLY	EACH	13	$251.83	$3,273.79
*	JI780300	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	229,964	$0.55	$126,480.20

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*	JI780320	LATE SEASON TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	286	$6.25	$1,787.50
*	JI782014	GUARDRAIL BARRIER REFLECTORS, TYPE B	EACH	10	$10.00	$100.00
*	JI782022	BARRIER WALL REFLECTORS, TYPE C	EACH	4,206	$15.00	$63,090.00
*	JI811272	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	979	$43.23	$42,322.17
*	JI811276	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	380	$62.35	$23,693.00
*	JI811282	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., STAINLESS STEEL	FOOT	256	$125.94	$32,240.64
*	JI830210	TEMPORARY WOOD POLE, 90 FT., CLASS 2, TO REMAIN IN PLACE	EACH	1	$10,059.34	$10,059.34
*	JI830240	TEMPORARY WOOD POLE, 70 FT., CLASS 3, TO REMAIN IN PLACE	EACH	6	$3,493.77	$20,962.62
*	JI999706	STEEL CASING PIPE , BORED AND JACKED, 24"	FOOT	169	$724.59	$122,455.71
*	JI999754	SANITARY SEWER, DUCTILE IRON, 6"	FOOT	38	$64.00	$2,432.00
**	JS107361	APPLY DUST SUPPRESSION AGENTS	UNIT	1,440	$0.01	$14.40
*	JS120100	TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	11	$7,000.00	$77,000.00
**	JS120710	ENERGY ATTENUATOR	EACH	3	$28,310.00	$84,930.00
**	JS120715	ENERGY ATTENUATOR CONCRETE PAD	SQ FT	414	$30.99	$12,829.86
**	JS120801	SCUPPER, DS-12	EACH	26	$1,219.22	$31,699.72
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL MO	40	$500.00	$20,000.00
**	JS280040	EROSION AND SEDIMENT CONTROL-CLEANOUT	CU YD	1,420	$20.00	$28,400.00

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**	JS280050	SILT FENCE	FOOT	15,723	$5.00	$78,615.00
**	JS280051	RE-ERECT SILT FENCE	FOOT	3,931	$5.00	$19,655.00
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	10,350	$45.00	$465,750.00
**	JS280100	SUPER SILT FENCE	FOOT	1,364	$14.00	$19,096.00
**	JS280120	TREE PROTECTION	FOOT	441	$4.00	$1,764.00
**	JS280140	TEMPORARY RIPRAP	TON	1,860	$55.00	$102,300.00
**	JS280151	SAME-DAY STABILIZATION	SQ YD	122,816	$0.01	$1,228.16
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	20	$150.00	$3,000.00
**	JS280205	FILTER FABRIC INLET PROTECTION, COVER TYPE	EACH	11	$190.00	$2,090.00
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	160	$150.00	$24,000.00
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	1,732	$10.00	$17,320.00
*	JS503160	DIAMOND GRINDING AND SURFACE SMOOTHNESS FOR BRIDGE SECTIONS	SQ YD	15,900	$8.75	$139,125.00
**	JS670CM0	FIELD OFFICE, TYPE C (MODIFIED)	CAL MO	42	$6,500.00	$273,000.00
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SUM	1	$9,000,000 00	$9,000,000.00
*	JS701010	MAINTENANCE OF TRAFFIC	L SUM	1	$4,000,000.00	$4,000,000.00

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**	JS733B25	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (25 FT)	FOOT	25	$1,813.15	$45,328.75
**	JS733B35	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (35 FT)	FOOT	35	$1,611.69	$56,409.15
**	JS733105	OVERHEAD SIGN STRUCTURE, SPAN TYPE (ALUMINUM) (105 FT)	FOOT	103	$896.50	$92,339.50
**	JS734A10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, SPAN TYPE	CU YD	370.2	$1,304.46	$482,911.09
**	JS734B10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE	CU YD	212.0	$1,460.59	$309,645.08
**	JS734G10	FOUNDATION FOR ITS GANTRY FRAME	CU YD	266.6	$1,787.96	$476,670.14
**	JS804100	ELECTRIC SERVICE INSTALLATION	EACH	4	$7,367.86	$29,471.44
*	JS810130	UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.	FOOT	1,940	$93.69	$181,758.60
**	JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	427	$65.01	$27,759.27
**	JS810835	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	913	$41.35	$37,752.55
**	JS810839	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	380	$53.54	$20,345.20
**	JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	290	$36.25	$10,512.50
**	JS810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 6" DIA.	FOOT	2,420	$41.32	$99,994.40
**	JS812023	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	21,331	$8.08	$172,354.48
**	JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	800	$20.49	$16,392.00
*	JS812028	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	FOOT	14,294	$3.76	$53,745.44

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**	JS813001	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	EACH	2	$3,854.92	$7,709.84
**	JS813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	EACH	4	$3,854.92	$15,419.68
*	JS813015	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 20" X 12" X 8"	EACH	1	$3,854.92	$3,854.92
**	JS813022	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	28	$722.27	$20,223.56
**	JS813053	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4	$1,071.40	$4,285.60
**	JS813055	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	30	$1,049.35	$31,480.50
**	JS813083	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	1	$3,288.73	$3,288.73
**	JS813094	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	7	$1,946.85	$13,627.95
**	JS814001	HANDHOLE, TOLLWAY	EACH	13	$4,689.60	$60,964.80
**	JS816038	UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,630	$10.45	$17,033.50
**	JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,410	$14.27	$20,120.70
**	JS816078	UNIT DUCT, WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	938	$17.25	$16,180.50
**	JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	5,022	$2.34	$11,751.48
**	JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	97,474	$1.84	$179,352.16
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	3,315	$7.33	$24,298.95
**	JS817224	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 500MCM	FOOT	360	$17.04	$6,134.40

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*	JS821010	TEMPORARY FLOOD LIGHTING UNIT	EACH	37	$1,506.68	$55,747.16
**	JS821100	LUMINAIRE, LED, HORIZONTAL MOUNT	EACH	105	$664.68	$69,791.40
**	JS821110	UNDERPASS LUMINAIRE, LED	EACH	32	$1,447.50	$46,320.00
**	JS825004	LIGHTING CONTROLLER, 200 AMPERE	EACH	1	$14,352.04	$14,352.04
*	JS825010	LIGHTING CONTROLLER, SPECIAL	EACH	1	$19,992.82	$19,992.82
**	JS828001	LIGHTING CONTROLLER FOUNDATION, TYPE A	EACH	1	$9,454.18	$9,454.18
**	JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	EACH	3	$4,072.66	$12,217.98
**	JS830006	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	EACH	4	$3,754.00	$15,016.00
**	JS830007	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	EACH	1	$3,766.13	$3,766.13
**	JS830013	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	EACH	45	$3,755.10	$168,979.50
**	JS830015	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	EACH	25	$3,767.23	$94,180.75
**	JS830025	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	2	$1,616.52	$3,233.04
**	JS830033	TEMPORARY WOOD POLE, 70 FT., CLASS 3	EACH	38	$4,246.20	$161,355.60
**	JS836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	3	$1,602.61	$4,807.83
**	JS836006	LIGHT POLE FOUNDATION (ROADWAY) MEDIAN, TYPE 2	EACH	1	$9,002.10	$9,002.10

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**	JS842080	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	44	$646.93	$28,464.92
**	JS842105	POLE FOUNDATION, REMOVED	EACH	43	$591.47	$25,433.21
**	JS845011	REMOVAL OF LIGHTING CONTROLLER	EACH	1	$1,478.69	$1,478.69
**	JS845012	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	3	$1,478.69	$4,436.07
**	JS845013	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	$2,218.04	$2,218.04
**	JS846001	MAINTAIN LIGHTING SYSTEM	L SUM	1	$63,402.65	$63,402.65
*	JT130714	REAIMING MVDS UNITS	EACH	12	$1,848.37	$22,180.44
*	JT130750	INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	EACH	1	$324,058.57	$324,058.57
*	JT130752	CONCRETE FOUNDATION, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	EACH	1	$4,987.39	$4,987.39
*	JT130756	ELECTRIC WORK, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY, NO ITS	EACH	1	$181,083.97	$181,083.97
*	JT130775	NATURAL GAS SERVICE	EACH	1	$6,466.09	$6,466.09
*	JT131317	REMOVE BLUETOOTH TRAFFIC SENSOR	EACH	1	$1,588.95	$1,588.95
*	JT132110	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER	EACH	2	$2,218.05	$4,436.10
*	JT132112	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER FOUNDATION	EACH	2	$1,848.37	$3,696.74
*	JT132114	REMOVE DYNAMIC MESSAGE SIGN - TYPE 1	EACH	2	$12,353.20	$24,706.40

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*	JT132800	REMOVE ITS POLE MOUNTED ENCLOSURE	EACH	1	$1,478.69	$1,478.69
*	JT134000	MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS	L SUM	1	$69,772.21	$69,772.21
*	JT134010	INTELLIGENT TRANSPORTATION SYSTEMS CABINET FOUNDATION	EACH	1	$9,984.62	$9,984.62
*	JT134030	INTELLIGENT TRANSPORTATION SYSTEMS GANTRY SITE GROUNDING	EACH	2	$6,524.65	$13,049.30
*	JT134037	ITS ELEMENT SITE GROUNDING - POLE MOUNTED ASSEMBLY	EACH	2	$6,513.92	$13,027.84
*	JT134041	ITS ELEMENT SITE GROUNDING - ITS MONOPOLE CCTV TOWER ASSEMBLY	EACH	1	$5,752.81	$5,752.81
*	JT135006	REMOVE MICROWAVE VEHICLE DETECTION ASSEMBLY	EACH	1	$739.34	$739.34
*	JT135042	WEBCAM	EACH	2	$163,223.36	$326,446.72
*	JT135096	ITS POLE AND BASE REMOVAL	EACH	2	$1,533.82	$3,067.64
*	JT135097	REMOVE CCTV CAMERA, POLE MOUNTED	EACH	1	$1,533.82	$1,533.82
*	JT160099	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, TORSION ASSIST, 48"X72"X36"	EACH	2	$7,572.95	$15,145.90
*	JT160130	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, 36"X60"X36"	EACH	4	$4,425.77	$17,703.08
*	JT160149	CABLE MARKER SIGN WITH POST FOR ELECTRIC CABLE	EACH	27	$142.04	$3,835.08
*	JT160217	LOCATE POST FOR FIBER OPTIC CABLE	EACH	18	$142.04	$2,556.72
*	JT160218	CABLE MARKER WARNING SIGN, WITH POST, FOR FIBER OPTIC CABLE	EACH	18	$142.04	$2,556.72

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*	JT202009	NON-SPECIAL WASTE DISPOSAL, TYPE 1	CU YD	18,939	$0.01	$189.39
*	JT210001	POROUS GRANULAR BACKFILL	CU YD	661	$44.07	$29,130.27
*	JT211A08	SUBGRADE AGGREGATE 9 IN.	CU YD	309	$75.00	$23,175.00
*	JT211A11	SUBGRADE AGGREGATE 12 IN.	CU YD	46,311	$45.00	$2,083,995.00
*	JT250432	SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL)	ACRE	6.75	$1,600.00	$10,800.00
*	JT250446	SEEDING, GRASS-FORB MIX 2 (SPECIAL)	ACRE	12.25	$2,500.00	$30,625.00
*	JT250491	SEEDING, WET DETENTION MIX (SPECIAL)	ACRE	0.50	$12,000.00	$6,000.00
*	JT280500	SEDIMENT FILTER BAG	EACH	113	$200.00	$22,600.00
*	JT280510	FLOC LOG	EACH	176	$175.00	$30,800.00
*	JT280530	IN-LINE FLOCCULATION SYSTEM	EACH	2	$7,000.00	$14,000.00
*	JT285055	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1	SQ YD	6,163	$145.00	$893,635.00
*	JT301010	GRANULAR SUBBASE, SPECIAL	CU YD	130	$41.60	$5,408.00
*	JT420104	JOINTED PLAIN CONCRETE PAVEMENT FOR COMPOSITE PAVEMENT 11"	SQ YD	92,172	$65.75	$6,060,309.00
*	JT504100	PRECAST CONCRETE BRIDGE APPROACH SLABS	SQ FT	11,648	$35.00	$407,680.00
*	JT525125	BONDED PREFORMED JOINT SEAL, 2 IN.	FOOT	682	$60.00	$40,920.00

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*	JT525130	BONDED PREFORMED JOINT SEAL, 3 IN.	FOOT	903	$110.00	$99,330.00
*	JT545006	STEEL CASING PIPE, BORE AND JACK, 18"	FOOT	170	$750.00	$127,500.00
*	JT545036	STEEL CASING PIPE, BORE AND JACK, 36"	FOOT	282	$700.00	$197,400.00
*	JT599029	DECORATIVE CONCRETE PATTERN	EACH	4	$5,000.00	$20,000.00
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SUM	1	$3,000.00	$3,000.00
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1	$2,500.00	$2,500.00
*	JT701030	SUPPLEMENTAL BARRICADE	EACH/DAY	100	$1.50	$150.00
*	JT701031	SUPPLEMENTAL SIGNING	SQ FT	100	$20.00	$2,000.00
*	JT701032	SUPPLEMENTAL FLASHING ARROW BOARD (PER DAY)	EACH/DAY	28	$20.00	$560.00
*	JT701033	SUPPLEMENTAL FLASHING ARROW BOARD (PER WEEK)	EACH/WEEK	40	$50.00	$2,000.00
*	JT701034	SUPPLEMENTAL FLASHING ARROW BOARD (PER MONTH)	EACH/MONTH	12	$150.00	$1,800.00
*	JT701035	SUPPLEMENTAL MAINTENANCE OF TRAFFIC	DAY	119	$375.00	$44,625.00
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	1,186	$25.00	$29,650.00
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	169	$180.00	$30,420.00
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL MO	39	$680.00	$26,520.00

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S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT704040	EXISTING TEMPORARY CONCRETE BARRIER, REMOVED	FOOT	2,038	$6.91	$14,082.58
*	JT720100	SIGN INSTALLATION, TYPE 1	SQ FT	129	$10.17	$1,311.93
*	JT720110	SIGN INSTALLATION, TYPE 2	SQ FT	319	$14.86	$4,740.34
*	JT720120	SIGN INSTALLATION, TYPE 3	SQ FT	1,534	$10.98	$16,843.32
*	JT726030	MILEPOST MARKER ASSEMBLY, POLE MOUNTED	EACH	20	$80.58	$1,611.60
*	JT726050	MILEPOST MARKER INSTALLATION	SQ FT	120	$24.12	$2,894.40
*	JT740110	ITS GANTRY FRAME (STEEL), SPANS LESS THAN OR EQUAL TO 110'	FOOT	214	$1,062.71	$227,419.94
*	JT740130	ITS GANTRY FRAME (STEEL), SPANS GREATER THAN 110' AND LESS THAN OR EQUAL TO 130'	FOOT	249	$972.05	$242,040.45
*	JT780JB1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 6" GROOVE	FOOT	17,709	$0.59	$10,448.31
*	JT780JC1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 7" GROOVE	FOOT	25,210	$0.69	$17,394.90
*	JT780305	MULTI-POLYMER PAVEMENT MARKING - LINE 5"	FOOT	19,863	$1.07	$21,253.41
*	JT780310	MULTI-POLYMER PAVEMENT MARKING - LINE 6"	FOOT	27,427	$1.26	$34,558.02
*	JT783005	WATERBLAST PAVEMENT MARKING REMOVAL WITH VACUUM RECOVERY	SQ FT	125,096	$0.90	$112,586.40
*	JT783009	RAISED PAVEMENT LANE MARKER, REFLECTOR REMOVAL	EACH	779	$20.00	$15,580.00
*	JT789010	ARCHITECTURAL METAL LETTER	EACH	16	$590.19	$9,443.04

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*	JT804005	ELECTRIC SERVICE INSTALLATION - ITS	EACH	1	$11,813.78	$11,813.78
*	JT810874	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2" DIA.	FOOT	16,290	$2.40	$39,096.00
*	JT810876	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA.	FOOT	15,315	$6.35	$97,250.25
*	JT810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 4" DIA.	FOOT	4,730	$25.16	$119,006.80
*	JT813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 32" X 12" X 8"	EACH	1	$3,867.05	$3,867.05
*	JT821010	REMOVE EXISTING LUMINAIRE, POLE MOUNTED	EACH	4	$369.68	$1,478.72
*	JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	EACH	11	$1,445.13	$15,896.43
*	JT825025	TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED	EACH	2	$22,870.65	$45,741.30
*	JT836015	LIGHT POLE FOUNDATION (ROADWAY) 42" BARRIER	EACH	5	$4,004.87	$20,024.35
*	JT836020	ITS ELEMENT POLE FOUNDATION STEEL HELIX (12 FT)	EACH	2	$3,011.33	$6,022.66
*	JT900518	EMBANKMENT MODIFICATION	SQ YD	393,968	$0.01	$3,939.68
*	JT900580	CHEMICALLY STABILIZED SUBGRADE, 9"	SQ YD	132,993	$4.50	$598,468.50
*	JT901136	POND DEWATERING LOCATION A	L SUM	1	$100,000.00	$100,000.00
					TOTAL AMOUNT OF CORE WORK	$143,309,098.56

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*	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	3,150,000 00	3,150,000.00
*	JT151500	CONTRACT ADJUSTMENT ALLOWANCE FOR TEMPERATURE CONTROL OF CONCRETE	UNIT	200,000	1.00	200,000.00
*	JT154001	PAVEMENT PATCHING AND TRAFFIC CONTROL	UNIT	125,000	1.00	125,000.00
*	JT154002	DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE	UNIT	150,000	1.00	150,000.00
*	JT154005	EMERGENCY PAVEMENT AND SHOULDER REPAIRS	UNIT	60,000	1.00	60,000.00
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	200,000	1.00	200,000.00
*	JT154015	ALLOWANCE FOR UNFORESEEN DRAINAGE WORK	UNIT	75,000	1.00	75,000.00
*	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	UNIT	50,000	1.00	50,000.00
*	JT154045	CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS	UNIT	100,000	1.00	100,000.00
*	JT154051	CONTRACT ALLOWANCE FOR UNSUITABLE SOIL	UNIT	250,000	1.00	250,000.00
*	JT154052	CONTRACT ALLOWANCE FOR ADDITIONAL BUILDINGS DEMOLITION	UNIT	50,000	1.00	50,000.00
*	JT154062	CONTRACT ALLOWANCE FOR MAINTAIN INTELLIGENT TRANSPORTATION SYSTEM REPAIR	UNIT	30,000	1.00	30,000.00
*	JT154067	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	100,000	1.00	100,000.00
*	JT154079	CONTRACT ALLOWANCE FOR ILLINOIS STATE POLICE SERVICES	UNIT	1,000,000	1.00	1,000,000.00
*	JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	2,360,000	1.00	2,360,000.00
*	JT154112	ALLOWANCE FOR ADDITIONAL ELECTRICAL AND COMMUNICATION WORK	UNIT	100,000	1.00	100,000.00
*	JT154150	ALLOWANCE FOR STEEL COSTS ADJUSTMENT	UNIT	200,000	1.00	200,000.00
*	JT154160	ALLOWANCE FOR FUEL COSTS ADJUSTMENT	UNIT	50,000	1.00	50,000.00
*	JT154161	ALLOWANCE FOR BITUMINOUS MATERIALS COSTS ADJUSTMENT	UNIT	15,000	1.00	15,000.00

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	999NEG20	DAMAGES TO ILLINOIS TOLLWAY'S OPERATIONAL FACILITITES PER S.P. 115.5 - TRI-STATE	OCCUR		(10,000.00)	
	999NEG30	DAMAGES TO ILLINOIS TOLLWAY'S OPERATIONAL FACILITITES PER S.P. 115.5 - ALL ROADWAYS OFF-PEAK	OCCUR		(2,000.00)	
	999NEG31	DAMAGE TO ELECTRICAL FACILITIES PER TOLLWAY SUPPL. SPEC. 107.30 (b)	INC/DAY		(1,000.00)	
	999NEG32	LIQUIDATED DAMAGES FOR DELAY IN SUBMITTAL OF PROGRESS SCHEDULE PER TOLLWAY SUPPL. SPEC. 108.02 (e)	DAY		(300.00)	
	999NEG33	NON-COMPLIANCE WITH EROSION AND SEDIMENT CONTROL PER TOLLWAY SUPPL. SPEC. 280.02 (2) (1)	INC/DAY		(See Note 1)	
	999NEG34	NON-COMPLIANCE WITH RESPONSIBILITY FOR CONSTRUCTION HAULING EQUIPMENT PER TOLLWAY SUPPL. SPEC. 105.15	DAY		(1,000.00)	
	999NEG35	FAILURE TO RESPOND TO REGULATORY AGENCY REQUESTS, PER TOLLWAY SUPPL. SPEC. 280.02 (2) (2)	OCCUR		(25,000.00)	
	999NEG36	FAILURE TO COMPLY WITH OCCUPANCY DATE OR PROVIDE COMPLETE FACILITIES. FIELD OFFICE OR LAB PER TOLLWAY SUPPL. SPEC. 670.01 (b)	DAY		(500.00)	
	999NEG37	NON-COMPLIANCE WITH TOLLWAY MAINTENANCE OF TRAFFIC PER TOLLWAY SUPPL. SPEC. 701.01 (b) (1)	INC/DAY		(2,500.00)	
	999NEG38	FAILURE TO RESPOND TO RE-ESTABLISH DEVICES PER TOLLWAY SUPPL. SPEC. 701.01 (b) (2)	OCCUR		(2,500.00)	
	999NEG39	FAILURE TO REPAIR IMPACT ATTENUATORS, TEMPORARY PER TOLLWAY SUPPL. SPEC. 701 01 (b) (3)	OCCUR		(2,500.00)	
	999NEG40	LOSS OR DAMAGE TO TOLLWAY OWNED DEVICES PER TOLLWAY SUPPL. SPEC. 701.01 (b) (4)	SQ FT		(100.00)	
	999NEG41	NON-COMPLIANCE WITH IDOT MAINTENANCE OF TRAFFIC PER TOLLWAY SUPPL. SPEC. 701.01 (b) (5)	INC/DAY		(2,500.00)	
	999NEG42	NON-COMPLIANCE WITH MAINTAIN LIGHTING SYSTEM PER TOLLWAY SUPPL. SPEC. 846 06 (a)	INC/DAY		(1,000.00)	
	999NEG43	FAILURE TO RESPOND TO MAINTAIN LIGHTING SYSTEM PER TOLLWAY SUPPL. SPEC. 846.06 (b)	OCCUR		(1,000.00)	
	999NEG44	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.1	CAL DAY		(7,500.00)	

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	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1 2	CAL DAY		(15,000.00)	
	999NEG46	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1 3	CAL DAY		(6,000.00)	
	999NEG47	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.4	CAL DAY		(12,000.00)	
	999NEG48	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1 5	CAL DAY		(6,000.00)	
	999NEG49	DAMAGE TO FIBER OPTIC UTILITIES PER S.P. 115.3	OCCUR		(10,000.00)	
	999NEG53	NON-COMPLIANCE WITH CONTRACTOR QUALITY PROGRAM SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG54	DAMAGE TO TOLLWAY MULTI-MODE CABLE, DMS SIGNS, CAMERAS, TELECOMMUNICATION, CABLE, ELECTRICAL, WATER AND SEWER PER S.P. 115.4	OCCUR		(1,000.00)	
	999NEG60	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.6	CAL DAY		(12,000.00)	
	999NEG61	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.7	CAL DAY		(12,000.00)	
	999NEG62	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1 8	CAL DAY		(6,000.00)	
	999NEG63	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1 9	CAL DAY		(6,000.00)	
	999NEG64	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.10	CAL DAY		(4,500.00)	
	999NEG72	FAILURE TO RESPOND TO MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG73	NON-COMPLIANCE WITH ITS PER MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG74	FAILURE TO REPAIR TO MAINTAIN ITS PER MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG90	ONE LANE OR RAMP BLOCKED PER S.P. FAILURE TO OPEN LANES TO TRAFFIC	15 MINUTES		(3,000.00)	
	999NEG91	TWO LANES BLOCKED PER S.P. FAILURE TO OPEN LANES TO TRAFFIC	15 MINUTES		(5,000.00)	

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		ADJUSTMENTS				
	999ADJ45	CONSTRUCTIONWORKS APPRENCTICES WAGE RATE PAYMENT	HOUR		15.00	
		INCENTIVES				
		TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP)				8,265,000.00
		TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM = TOTAL AMOUNT OF BASE BID				151,574,098.56
		ECP BID CREDIT				500,000.00
		AWARD CRITERIA				151,074,098.56

S.P. COLUMN LEGEND

*	INDICATES SPECIAL PROVISION
**	INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATIONS
BDE	INDICATES IDOT BDE SPECIAL PROVISION
GBSP	INDICATES IDOT GUIDE BRIDGE SPECIAL PROVISION
D1	INDICATES IDOT DISTRICT 1 SPECIAL PROVISION
ISSP	INDICATES IDOT SUPPLEMENTAL SPECIAL PROVISION

Note 1: The deduction willl be according to Article 280.02 (2)(1) Table A. The Contractor should leave the unit price value blank.

Certificate No.

00812

Issued To:

Judlau Contracting Inc.

Dated:

May 13, 2020

In the Amount of:

$839,114.56

Certificate Issued By:

Issuance of this Certificate supersedes and voids all previously issued Certificates

Participants:

Pay Period

12/30/2019 - 04/19/2020

Alfredo Rodriguez, Thaer Othman, Abigail Orent, Hector Martinez, Josh Bilthuis

Bids/Contracts:

None

Other Credits:

No. 00812

Illinois State Toll Highway Authority

This Certifies that Judlau Contracting Inc. has earned a total of $839,114.56 through a Tollway Bid Credit Program and is using that credit toward a bid project convened by the Illinois State Toll Highway Authority with the understanding that the credit is fully endorsed by the Tollway.

In Witness Whereof, the said Corporation has caused this Certificate to be signed by its duly authorized officers and its Corporate Seal is to be hereunto affixed this 13-May-2020

Illinois Tollway

The owner of this certificate # 00812 is tendering $ 500,000.00 credits for use on bid for contract # I-17-4839 on (date) 06/05/2020. I understand that any credits not utilized for a winning bid will be returned.

Signed [redacted]

AIA® Document A310™ – 2010

Bid Bond

CONTRACTOR:
(Name, legal status and address)
Judlau Contracting, Inc.
26-15 Ulmer Street
College Point, NY 11354

SURETY:
(Name, legal status and principal place of business)
Liberty Mutual Insurance Company
175 Berkeley Street
Boston, MA 02116

OWNER:
(Name, legal status and address)
Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515
BOND AMOUNT: Five Percent Of The Total Amount Bid (5%)

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

PROJECT:
(Name, location or address, and Project number, if any)
Contract No. I-17-4339; Elgin O'Hare West Access Tollway (I-490) Roadway and Bridge Widening and Reconstruction; Tri-State Tollway South of Grand Avenue to Wolf Road, Mile Post 35.04 to Mile Post 36.70; Western Access Tollway (I-490) Ramps S1 and S2, Mile Post 00.00 to Mile Post 00.25

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 1st day of June, 2020

[redacted]
(Witness)

[redacted]
(Witness) Andrea E. Gorbert

Judlau Contracting, Inc.
(Contractor as Principal) *(Seal)*
[redacted]
(Title) ARNAV AMIN, EXECUTIVE VICE PRESIDENT

Liberty Mutual Insurance Company
(Surety) [redacted] *(Seal)*
(Title) Theresa J. Foley, Attorney-in-Fact

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

Init.
/

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ADD4307081C

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: **8201166-985164**

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Theresa J. Foley; Andrea E. Gorbert; Michael Marino; Kevin T. Walsh, Jr.

all of the city of Jericho state of NY each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 29th day of April, 2019.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: [redacted]
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 29th day of April, 2019 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: [redacted]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 1st day of June, 2020.

By: [redacted]
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual SURETY

LIBERTY MUTUAL INSURANCE COMPANY

FINANCIAL STATEMENT — DECEMBER 31, 2019

Assets

Cash and Bank Deposits	$778,754,989
*Bonds — U.S Government	2,780,808,610
*Other Bonds	12,645,608,792
*Stocks	16,385,435,431
Real Estate	235,608,378
Agents' Balances or Uncollected Premiums	6,217,983,641
Accrued Interest and Rents	102,273,390
Other Admitted Assets	11,957,106,292
Total Admitted Assets	**$51,103,579,523**

Liabilities

Unearned Premiums		$8,007,146,482
Reserve for Claims and Claims Expense		21,532,853,787
Funds Held Under Reinsurance Treaties		507,868,920
Reserve for Dividends to Policyholders		1,143,826
Additional Statutory Reserve		125,722,000
Reserve for Commissions, Taxes and Other Liabilities		4,117,460,075
Total		**$34,292,195,090**
Special Surplus Funds	$32,768,443	
Capital Stock	10,000,075	
Paid in Surplus	10,044,978,933	
Unassigned Surplus	6,723,636,983	
Surplus to Policyholders		**16,811,384,434**
Total Liabilities and Surplus		**$51,103,579,524**

LIBERTY MUTUAL INSURANCE COMPANY INCORPORATED 1912 MASSACHUSETTS

* Bonds are stated at amortized or investment value; Stocks at Association Market Values.
The foregoing financial information is taken from Liberty Mutual Insurance Company's financial statement filed with the state of Massachusetts Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2019, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 27th day of March, 2020.

[redacted]

Assistant Secretary

Return With Bid

ILLINOIS TOLLWAY

OPTION FOR
STEEL COST ADJUSTMENT

The bidder shall submit this completed form with his/her bid. Failure to submit the form or properly complete contract number, company name, and sign and date the form shall make this contract exempt of steel cost adjustments for all items of steel. Failure to indicate "Yes" for any item of work will make that item of steel exempt from steel cost adjustment. After award, this form, when submitted shall become part of the contract.

Contract No.: I-17-4339

Company Name: Judlau Contracting, Inc.

Contractor's Option:

Is your company opting to include this special provision as part of the contract plans for the following items of work?

Metal Piling	Yes	☐
Structural Steel	Yes	☐
Reinforcing Steel	Yes	☐
Dowel Bars, Tie Bars and Mesh Reinforcement	Yes	☐
Guardrail	Yes	☐
Steel Traffic Signal and Light Poles, Towers and Mast Arms	Yes	☐
Metal Railings (excluding wire fence)	Yes	☐
Frames and Grates	Yes	☐

Signature: [redacted] **Date:** June 2, 2020

Return With Bid

ILLINOIS TOLLWAY

OPTION FOR
FUEL COST ADJUSTMENT

The bidder shall submit this completed form with his/her bid. Failure to submit the form or properly complete contract number, company name, and sign and date the form shall make this contract exempt of fuel cost adjustments in all categories. Failure to indicate "Yes" for any category of work at the time of bid will make that category of work exempt from fuel cost adjustment. After award, this form, when submitted shall become part of the contract.

Contract No.: I-17-4339

Company Name: Judlau Contracting, Inc.

Contractor's Option:

Is your company opting to include this special provision as part of the contract plans for the following categories of work?

Category A	Earthwork.	Yes ☐
Category B	Subbases and Aggregate Base Courses	Yes ☐
Category C	HMA Bases, Pavements and Shoulders	Yes ☐
Category D	PCC Bases, Pavements and Shoulders	Yes ☐
Category E	Structures	Yes ☐

Signature: [redacted] **Date:** June 2, 2020

Return with Bid

ILLINOIS TOLLWAY

OPTION FOR
BITUMINOUS MATERIALS COST ADJUSTMENTS

The bidder shall submit this completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments. After award, this form, when submitted, shall become part of the contract.

Contract No.: I-17-4339

Company Name: Judlau Contracting, Inc.

Contractor's Option:

Is your company opting to include this special provision as part of the contract?

Yes ☐ No ☐

Signature: [redacted] **Date:** June 2, 2020

FINANCIAL DISCLOSURES AND CERTIFICATIONS

ALERT:
YOUR BID WILL BE DEEMED NON-RESPONSIVE and will be REJECTED if Financial Disclosures / Certifications are not submitted with your bid!

All vendors responding to an Illinois Tollway solicitation must comply with Illinois Procurement Code 30 ILCS 500 -- specifically section 50-35 Financial Disclosures and Potential Conflicts of Interest. The Illinois Procurement Gateway (IPG) is a web-based system that serves as the primary location for entering, organizing, and reviewing vendor information. The IPG allows prospective vendors to provide disclosures, registrations, and other documentation needed to do business with a State agency or university in advance of any particular procurement. It is highly recommended that vendors register on the Illinois Procurement Gateway at https://ipg/vendorreg.com

The submittal shall contain either FORMS A or FORMS B. Bids submitted without FORMS A or FORMS B shall be deemed non-responsive.

FORMS A section contains eight forms and shall be returned by bidders that are not registered in the Illinois Procurement Gateway (IPG).

FORMS B contains three forms and shall be returned by bidders that have a current, approved IPG registration.

Forms A Section

*Complete this section if you **are not using** an Illinois Procurement Gateway (IPG) Registration.*

https://www.illinoistollway.com/doing-business/construction-engineering/forms

1. Business and Directory Information
2. Illinois Department of Human Rights Public Contracts Number
3. Authorized to Do Business in Illinois
4. Standard Certifications
5. State Board of Elections
6. Disclosure of Business Operations in Iran
7. Financial Disclosures and Conflicts of Interest
8. Taxpayer Identification Number
9. Signature

Forms B Section

*Complete this section only if you **are using** a current, approved IPG Registration.*

https://www.illinoistollway.com/doing-business/construction-engineering/forms

1. Certification of Illinois Procurement Gateway Registration #
2. Certification Timely to this Solicitation
3. Disclosures of Lobbyist or Agent
4. Disclosure of Current and Pending Contracts
5. Signature

The Illinois Procurement Code requires the Tollway to collect financial disclosures from any known subcontractor with anticipated participation in excess of $50,000.00 at the time of the bid. Subcontractor disclosures will be requested from the successful bidder for any subcontractor

identified in the bid immediately after the bidder is determined to be the lowest responsive/responsible bidder.

REMINDER TO VENDORS SUBMITTING FORMS B

Vendors intending to fulfill certification and disclosure requirements by supplying the State with their Illinois Procurement Gateway registration number, expiration date, and "FORMS B" documents must read this clarification document in its entirety.

VENDORS UTILIZING "FORMS B" MUST BE REGISTERED SPECIFICALLY WITH THE ILLINOIS PROCUREMENT GATEWAY TO BE DEEMED RESPONSIVE TO THIS SOLICITATION.

In order to verify that you are registered with the Illinois Procurement Gateway (IPG), please click on "Registered Vendor Directory" on the IPG homepage (https://ipg.vendorreg.com). Search for your Business Name. If your company does not appear in the search results, then you are not registered in the IPG.

To use FORMS B, vendors must be listed in the "Registered Vendor Directory" as described above, and provide a valid registration number with expiration date from the Illinois Procurement Gateway. Please note that it is possible for vendors who have registered with another government entity (such as the City of Chicago's Compliance and Certification portal) using the same portal software, to have a registration number and expiration date for a different (non-State of Illinois) application process. *Registration information from other government entities will not be accepted*.

If the "Registered Vendor Directory" does not list your company, then you must utilize the "FORMS A" option to meet the certification and disclosure requirements of this solicitation.

Every submitted to and contract executed by the State, and every subcontract subject to Section 20-120 of the Procurement Code shall contain a certification by the bidder, contractor, or sub-contractor under the Section, and acknowledge that the Chief Procurement Officer may declare the related contract void if any of the certifications are false.

RESPONSIBLE BIDDER AFFIDAVIT
in accordance with
PUBLIC ACT 97-0369

CONTRACT NO: I-17-4339
(Enter Tollway Contract Number)

SUBMITTING BIDDER: Judlau Contracting, Inc.
(Enter Name of Firm)

ADDRESS: 1011 Warrenville Road, Suite 195

Lisle, IL 60532

STATE OF ILLINOIS)
) **SS**
COUNTY OF DuPage)

The Affiant, Arnav Amin, being first duly sworn, upon oath deposes and says:

1. That the Affiant is Executive Vice President of Judlau Contracting, Inc. who is the bidder on the above referenced contract by the Illinois State Toll Highway Authority, hereinafter "Owner" for the contract known as I-17-4339 *(enter Tollway contract number)*, between the bidder and the Owner;

2. The Affiant hereby states that the bidder will maintain an Illinois office as the primary place of employment for persons employed in the construction authorized by said contract if contract is so awarded.

I am duly authorized to make this Affidavit. I know and understand the contents of this Affidavit, and all statements herein are true and correct.

[redacted]
SIGNATURE OF AFFIANT

SUBSCRIBED AND SWORN BEFORE ME THIS 2nd **DAY OF** June **, 20** 20.

MARIA CACUCCIOLO
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
June 13, 2023

[redacted]
NOTARY PUBLIC

ILLINOIS STATE TOLL HIGHWAY AUTHORITY

PREFERENCES

The Illinois Procurement Code provides various preferences to promote business opportunities in Illinois.

Does bidder make any claims for preferences? If so, please mark the applicable preference(s) and include the list of items that qualify for the preference at the end of this section and a description of why the preference applies. The State reserves the right to determine whether the preference indicated applies to bidder.

☐ Resident Bidder (30 ILCS 500/45-10)

☐ Recycled Materials (30 ILCS 500/45-20)

☐ Recycled Paper (30 ILCS 500/45-25)

☐ Environmentally Preferable Supplies (30 ILCS 500/45-26)

☐ Illinois Correctional Industries (30 ILCS 500/45-30)

☐ Sheltered Workshops for the Severely Handicapped (30 ILCS 500/45-35)

☐ Gas Mileage (30 ILCS 500/45-40)

☐ Small Businesses (30 ILCS 500/45-45)

☐ Illinois Agricultural Products (30 ILCS 500/45-50)

☐ Corn-Based Plastics (30 ILCS 500/45-55)

☐ Disabled Veterans (30 ILCS 500/45-57)

☐ Vehicles Powered by Agricultural Commodity-Based Fuel (30 ILCS 500/45-60)

☐ Public Purchases in Other State (30 ILCS 520)

☐ Illinois Mined Coal Act (30 ILCS 555)

☐ Steel Products Procurement (30 ILCS 565)

☐ Veteran's Preference (330 ILCS 55)

☐ Procurement of Domestic Products (30 ILCS 517)

☐ Bio-based Products (30 ILCS 500/45-75)

Items that Qualify and Explanation:

_____

_____

_____

_____

Signature of Authorized Representative [redacted]

Printed Name of Authorized Representative:

Arnav Amin

Vendor Name:

Judlau Contracting, Inc.

Date:

June 2, 2020

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

CONTRACT NO. I-17-4339

LIST OF INDIVIDUAL CONTACTS

The bidder is hereby requested to list those individuals to be contacted for information regarding the analysis of the various portions of the bid.

ITEM	INDIVIDUAL	TELEPHONE NO.	E-MAIL
Schedule of Prices	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
Bid Guaranty	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
DBE 2026	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
EEO Program	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
VOSB 2026	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
Financial Disclosures Forms A or Forms B	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
IDOT Certificate of Eligibility	Arnav Amin	630.387.6060	arnav.amin@ohlna.com
Non-Collusion Affidavit – Page R-4	Arnav Amin	630.387.6060	arnav.amin@ohlna.com

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT NO. I-17-4339

AFFIDAVIT

State of Illinois)
) SS
County of DuPage)

The undersigned, being first duly sworn, on his/her oath deposes and says:

That his/her name is Arnav Amin, and he/she resides at DuPage County, and his/her office is at 1011 Warrenville Rd. #195, Lisle, IL 60532, That he/she makes, and is authorized to make

this affidavit on behalf of Judlau Contracting, Inc., a
(Name of Corporation, Partnership, etc.)

Corporation, formed under the laws of New York
(Sole proprietorship, corporation, partnership, etc.) (Name of State)

of which he/she is Executive Vice President.
(Sole owner, partner, president, etc.)

That this bid (of which this Affidavit is a part) for the construction of a portion of The Illinois State Toll Highway Authority System, described in **Contract No. I-17-4339** is submitted in good faith and not as a speculation or to be assigned or relinquished and will be executed and fulfilled by said bidder, according to its terms, if accepted, and according to the Plans and Specifications for said construction, that this bid is made without reference to any other bid, that this bidder has not offered to or received from any person, firm, board, commission, trustee or corporation any sum of money or consideration for the making of said bid; that no inducement of any form or character other than that which appears upon the face of the bid will be suggested, offered, paid or delivered to any person whatsoever to influence the acceptance of the said bid or awarding of the contract, nor has this bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this bid; that said bidder has not directly or indirectly made any arrangements, contract, or understanding with any other bidder or bidders concerning the amount of said bid, nor has such bidder in any way colluded, conspired, connived, or agreed in any manner or form, with any person whomsoever to influence any bid for said contract, directly or indirectly.

[redacted]
(Affiant)

Sworn to before me and subscribed in my presence this 2nd day of JUNE, 2020,

[redacted]
(Notary Public)

My Commission Expires: JUNE 13, 2023

MARIA CACUCCIOLO
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
June 13, 2023

CONTRACT NO. I-17-4339

PLANT AND EQUIPMENT QUESTIONNAIRE

The signatory of this questionnaire guarantee's the truth and accuracy of all statements and of all answers to interrogatories hereinafter made.

1. KEY PERSONNEL

Identify the personnel whom, if the contract is awarded to you, will manage and supervise the work. List the General Manager or Superintendent through Shift Foreman.

(USE BLACK INK ONLY)

NAME	TITLE OR POSITION IN THE FIRM	FUNCTION ON THIS PROJECT	YEARS WITH THE FIRM	YEARS OF EXPERIENCE IN SUPERVISING THIS TYPE OF WORK
SEE ATTACHED				

JUDLAU
OHL Group

KEY PERSONNEL

NAME	FIELD OF EXPERTISE	PRESENT POSITION WITH APPLICANT FORM	YEARS OF RELATED EXPERIENCE
Ashok Patel	Heavy Civil Construction	CEO	30+
Uday Durg	Heavy Civil Construction	Executive Vice President	30+
Cesar Pereira	Heavy Civil Construction	General Counsel/Vice President	10+
Warren Goodman	Heavy Civil Construction	Director of Safety	10+
Martin Saitzyk	Heavy Civil Construction	Chief Financial Officer	20+
Arnav Amin	Heavy Civil Construction	Vice President – Central Division	26
Aaron Henneberg	Heavy Civil Construction	Senior Estimator Central Division	23
Shamik Amin	Heavy Civil Construction	Estimator – Central Division	9
Peter Console	Heavy Civil Construction	Operations Manager Central Division	30+
Wally Stoklosa	Heavy Civil Construction	Senior Project Manager Central Division	18
Dan Ewing	Heavy Civil Construction	Senior Project Manager Central Division	14
Jack Aitchison	Heavy Civil Construction	Senior Superintendent Central Division	35+
Barrett Pfeiffer	Heavy Civil Construction	Senior Superintendent Central Division	30+
Christopher Naulty	Heavy Civil Construction	Senior Superintendent Central Division	34

1011 Warrenville Road, #195 ~ Lisle, Illinois 60532
Phone: 630.387.6040 ~ Fax: 331.777.5771

www.ohlna.com

ISO 9001:2008 Registered Company, Equal Opportunity Employer

CONTRACT NO. I-17-4339

PLANT AND EQUIPMENT QUESTIONNAIRE

2) The information furnished in these equipment lists 2a, 2b and 2c will be used to evaluate the bidders' understanding of this project as well as the bidder's capacity to carry out the project.

2a) EQUIPMENT OWNED

List the equipment which you now own that will be utilized on this contract, if awarded to you.

QUANTITY	UNIT	DESCRIPTION, SIZE, CAPACITY, ETC.	MANUFACTURER	YEAR OF MFR.	YOUR I.D. NO. OR CODE
SEE ATTACHED					

pendix 4

Schedule of Contractor's Equipment

lumber	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	CATERPILLAR SOIL COMPACTOR	Good	2014	11/07/14	$ 414,820	$ 269,101	$ 145,719
1	CATERPILLAR WHEEL EXCAVATOR MODEL M3	Good	2016	01/21/16	$ 274,251	$ 114,271	$ 159,980
1	750K CRAWLER DOZER 1T0750KXEFF280317	Good	2015	07/23/15	$ 246,317	$ 63,632	$ 182,685
1	750K CRAWLER DOZER 1T0750KXHFF284690	Good	2015	07/23/15	$ 240,432	$ 62,112	$ 178,320
1	764 HSD 1T00764XHFD284082	Good	2015	09/01/15	$ 303,779	$ 108,493	$ 195,287
1	ALLEN MODEL 6048B BRIDGE DECK FINISHER	Good	2015	11/02/15	$ 209,650	$ 69,883	$ 139,767
1	Komatsu PC360LC-10 K64151	Good	2015	07/25/15	$ 275,846	$ 101,800	$ 174,046
1	WF 720 PETERBILT MODEL 567 TRUCK TRACTO	Good	2016	04/19/16	$ 198,846	$ 72,910	$ 125,936
1	CATERPILLAR HYDRAULIC EXCAVATOR	Good	2014	11/07/14	$ 288,892	$ 187,409	$ 101,483
1	Komatsu PC290LC-11 A27158	Good	2015	07/25/15	$ 282,651	$ 85,859	$ 146,791
1	Komatsu PC290LC-11 A27162	Good	2015	07/25/15	$ 232,651	$ 85,859	$ 146,791
1	KOMATSU WA320-7 WHEEL LOADER A36365	Good	2015	08/21/15	$ 179,279	$ 64,028	$ 115,251
1	KOMATSU WA320-7 WHEEL LOADER A36365	Good	2016	05/27/16	$ 179,278	$ 64,028	$ 115,250
1	Caterpillar M315D Hyd Excavator	Good	2012	11/19/12	$ 718,206	$ 586,535	$ 131,671
1	CATERPILLAR WHEEL LOADER	Good	2014	11/07/14	$ 218,260	$ 141,589	$ 76,671
1	WF 719 PETERBILT MODEL 567 TRUCK TRACTO	Good	2016	09/01/16	$ 134,674	$ 53,870	$ 80,804
1	BIDWELL DECK FINISHER	Good	2016	09/06/16	$ 127,327	$ 27,288	$ 100,039
1	WF 718 VOLVO MODEL EW160D WHEELED EXC	Good	2016	08/01/16	$ 119,509	$ 47,804	$ 71,706
1	BOMAG MODE BW211D-50 COMPACTOR	Good	2016	02/01/16	$ 113,838	$ 47,432	$ 66,405
1	BOMAG MODE BW211D-50 COMPACTOR	Good	2016	02/01/16	$ 113,838	$ 47,432	$ 66,405
1	Hydraulic Excavator PC88MR-10	Good	2015	12/31/15	$ 112,922	$ 22,584	$ 90,338
1	Hydraulic Excavator PC88MR-10	Good	2015	12/31/15	$ 110,298	$ 22,060	$ 88,239
1	CAT M315D Excavator	Good	2009	10/02/09	$ 264,818	$ 209,647	$ 55,171
1	2005-CAT	Good	2005	08/31/09	$ 260,100	$ 221,085	$ 39,015
4	2012 John Deere 710K-4 PIECES	Good	2012	09/01/12	$ 497,640	$ 428,523	$ 69,117
1	2013 NEW CATERPILLAR M312D	Good	2013	04/12/13	$ 252,737	$ 189,553	$ 63,184
1	2013 NEW CATERPILLAR M312D	Good	2013	04/12/13	$ 246,310	$ 184,732	$ 61,577
1	WF 712 SPECTEC 2015 SRD305496	Good	2016	07/31/15	$ 82,295	$ 41,117	$ 41,117
1	Palfinger PK36002E Knuckle Crane 100061955: Gr	Good	#N/A	05/01/10	$ 178,533	$ 139,851	$ 38,682
1	2013 NEW CATERPILLAR M321D HYD EXCAVATOR	Good	2013	04/12/13	$ 232,289	$ 174,217	$ 58,072
1	CATERPILLAR COMPACT TRACK AND MULTI TE	Good	2016	12/07/16	$ 57,550	$ 14,388	$ 43,163
1	2010 PETERBUILT TRUCK	Good	2010	05/01/10	$ 133,226	$ 104,360	$ 28,866
1	2009 Cater-Excavator	Good	2009	05/06/09	$ 189,090	$ 167,030	$ 22,061
1	2009 Cater-Dump Truck	Good	2009	05/18/09	$ 152,833	$ 112,078	$ 40,755
1	2005-CAT	Good	2005	08/31/09	$ 260,100	$ 221,085	$ 39,015
1	FORD F-550 CHASSIS	Good	2016	02/05/16	$ 64,946	$ 27,019	$ 37,928
1	2010 WELLSFARGO	Good	2010	02/02/10	$ 110,821	$ 90,504	$ 20,317
1	INTERNATIONAL 4300 2009 5628	Good	2015	09/14/15	$ 87,381	$ 54,613	$ 32,768

Group

Appendix

Schedule of C ractor's Equipment

Number	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	INTERNATIONAL 4300 2009 S635	Good	2015	09/14/15	$ 87,381	$ 54,613	$ 32,768
2	Atlas-2013 Hydraulic Hammer-2 piece	Good	2013	02/05/13	$ 149,553	$ 117,150	$ 32,403
1	GMC SAVANA 3500	Good	2016	10/28/16	$ 33,024	$ 9,636	$ 23,389
1	2006 Kenworth T-800 Tractor	Good	2006	06/18/10	$ 88,500	$ 68,588	$ 19,913
1	2010 PETERBUILT TRUCK	Good	2010	05/01/10	$ 133,226	$ 104,360	$ 28,866
1	RAM 2500	Good	2016	10/28/16	$ 40,034	$ 11,505	$ 28,529
1	ISUZU NQR	Good	2016	01/27/16	$ 34,042	$ 14,657	$ 19,385
1	RAM 1500 2015 223R8M-1907406B	Good	2015	12/17/15	$ 32,994	$ 14,297	$ 18,697
1	RAM 1500 2015 223R7G 1907403B	Good	2015	12/17/15	$ 32,255	$ 13,977	$ 18,278
1	BUICK ENCLAVE 2015 222JKRC	Good	2015	09/09/15	$ 49,954	$ 24,977	$ 24,977
1	RAM 1500 2015 223R8D 1907405B	Good	2015	12/17/15	$ 31,201	$ 13,520	$ 17,681
10	2010 CHEVY VANS-10 PIECES-2	Good	2010	06/19/12	$ 233,931	$ 209,369	$ 24,563
1	2015 RAM 1500 YK91C0	Good	2015	03/01/15	$ 37,448	$ 13,107	$ 24,341
1	2007 446D's	Good	2007	11/01/07	$ 286,460	$ 262,583	$ 23,877
1	2009 Cater-Excavator	Good	2009	#N/A	$ 189,090	$ 167,030	$ 22,061
1	2009 Volvo	Good	2009	03/01/09	$ 100,247	$ 78,527	$ 21,720
1	2014 RAM 1500 YK92C0	Good	2015	02/24/15	$ 31,689	$ 11,074	$ 20,565
1	2010 WELLSFARGO	Good	2010	#N/A	$ 110,821	$ 90,504	$ 20,317
1	2006 Kenworth T-800 Tractor	Good	2006	#N/A	$ 88,500	$ 68,588	$ 19,913
1	2015 RAM 1500 YK77C2	Good	2015	04/07/15	$ 30,297	$ 10,604	$ 19,693
1	VOLVO EW55B COMPACT WHEELED EXCAVAT	Good	#N/A	#N/A	$ 58,204	$ 38,840	$ 19,364
1	RAM 1500 2015 224286 1907407B	Good	2015	12/18/15	$ 34,094	$ 14,774	$ 19,320
1	2009 Grove	Good	2009	12/31/09	$ 64,400	$ 45,080	$ 19,320
1	CATERPILLAR 3-8 YEAR MAINTENANCE CONT	Good	2014	11/07/14	$ 61,700	$ 42,715	$ 18,985
1	RAM 1500 2015 2245KK 1907408B	Good	2015	12/18/15	$ 33,207	$ 14,390	$ 18,817
1	RAM 1500 2015 2245L4 1907409B	Good	2015	12/18/15	$ 32,629	$ 14,139	$ 18,490
1	RAM 1500 2015 223R86 1907404B	Good	2015	12/17/15	$ 32,349	$ 14,018	$ 18,331
1	CHEVROLET EXPRESS 2500	Good	2016	10/28/16	$ 26,117	$ 7,794	$ 18,323
1	RAM 1500 2015 223R6X 1907402B	Good	2015	12/17/15	$ 32,305	$ 13,999	$ 18,306
1	RAM 1500 2015 2009NY	Good	2015	08/01/15	$ 35,548	$ 17,774	$ 17,774
1	RAM 1500 2015 222F3W	Good	2015	09/02/15	$ 35,095	$ 17,548	$ 17,548
1	CHEVROLET EXPRESS 2500	Good	2016	09/07/16	$ 24,872	$ 7,462	$ 17,410
1	FORD TRANSIT CONNECT 2015 223LX5	Good	2016	12/18/15	$ 21,500	$ 4,300	$ 17,200
1	RAM 1500 2016 2226QY	Good	2015	11/18/15	$ 30,757	$ 13,841	$ 16,916
1	Chevrolet Express 2500 2015 YK01C5	Good	2015	06/09/15	$ 24,488	$ 7,755	$ 16,734
1	Chevrolet Express 2500 2015 YK02C5	Good	2015	06/09/15	$ 24,488	$ 7,755	$ 16,734
1	INTL 4300 TRUCK W/ ARROW BOARD & ATTEN	Good	2015	03/27/15	$ 40,000	$ 23,333	$ 16,667
1	INTL 4300 TRUCK W/ ARROW BOARD & ATTEN	Good	2015	03/27/15	$ 40,000	$ 23,333	$ 16,667

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Schedule of Contractor's Equipment

umber	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	RAM 1500 2015 222SBY	Good	2015	09/28/15	$ 32,151	$ 15,540	$ 16,611
1	Chevrolet Express 2500 2015 YK99C4	Good	2015	06/09/15	$ 24,145	$ 7,646	$ 16,499
1	RAM 1500 2015 222SBK	Good	2015	09/28/15	$ 31,644	$ 15,295	$ 16,349
1	RAM 1500 2015 222SBW	Good	2015	09/28/15	$ 31,448	$ 15,200	$ 16,248
1	RAM 1500 2016 PICKUP	Good	2016	08/19/16	$ 25,324	$ 9,164	$ 16,160
1	CHEVROLET EXPRESS 2500 2014 222S8Q	Good	2014	09/21/15	$ 21,500	$ 10,392	$ 11,108
1	CHEVROLET EXPRESS 2500 2014 222S49	Good	2014	09/21/15	$ 21,500	$ 10,392	$ 11,108
1	CHEVROLET EXPRESS 2500 2014 222S4B	Good	2014	09/21/15	$ 21,500	$ 10,392	$ 11,108
1	CHEVROLET EXPRESS 2500 2014 222S4D	Good	2014	09/21/15	$ 21,500	$ 10,392	$ 11,108
1	RAM 1500 2016 2226SA	Good	2015	12/17/15	$ 28,073	$ 12,165	$ 15,908
1	RAM 1500 2016 PICKUP	Good	2016	08/19/16	$ 24,886	$ 9,082	$ 15,853
1	RAM 1500 2016 PICKUP	Good	2016	08/19/16	$ 24,225	$ 8,834	$ 15,390
1	GMC SAVANA 2500 2015 226NZH	Good	2016	04/30/16	$ 23,500	$ 8,617	$ 14,883
1	GMC SAVANA 2500 2015 226NZK	Good	2016	04/30/16	$ 23,500	$ 8,617	$ 14,883
1	GMC SAVANA 2500 2015 226NZ7	Good	2016	04/30/16	$ 23,500	$ 8,617	$ 14,883
1	RAM 1500 2015 YK43C6	Good	2015	06/09/15	$ 32,411	$ 17,826	$ 14,585
1	2008 Grove YB4415XT	Good	2008	04/21/08	$ 105,500	$ 91,433	$ 14,067
1	RAM 1500 2015 2009CJ	Good	2015	06/17/15	$ 29,629	$ 15,802	$ 13,827
3	2011 ISUZU BOX TRUCKS-3 PIECES	Good	2011	05/01/12	$ 204,415	$ 190,788	$ 13,628
1	2006 caterpillar	Good	2008	09/30/07	$ 203,011	$ 189,484	$ 13,527
1	2013 New Tramac V32 Hyda Hammer-New	Good	2013	03/01/13	$ 56,558	$ 43,361	$ 13,197
1	RAM 1500 2015 YK42C6	Good	2015	06/09/15	$ 27,985	$ 15,392	$ 12,593
2	Atlantic Toyota-2	Good	2012	01/09/13	$ 60,740	$ 48,592	$ 12,148
1	GMC SAVANA 2500 2014 223658	Good	2016	11/18/15	$ 21,500	$ 9,675	$ 11,825
1	GMC SAVANA 2500 2014 223659	Good	2016	11/18/15	$ 21,500	$ 9,675	$ 11,825
1	GMC SAVANA 2500 2014 2236SG	Good	2016	11/18/15	$ 21,500	$ 9,675	$ 11,825
1	18 TON Boom Truck	Good	2007	07/06/07	$ 236,500	$ 224,680	$ 11,820
1	2009 Grove	Good	2009	#N/A	$ 64,400	$ 52,593	$ 11,807
1	RAM 1500 2015 YK40C6	Good	2015	06/09/15	$ 26,151	$ 14,383	$ 11,768
1	SUFFOLK	Good	2007	08/02/07	$ 68,607	$ 57,074	$ 11,533
1	RAM 1500 2015 YK41C6	Good	2015	06/09/15	$ 25,130	$ 13,821	$ 11,308
1	2015 FORD F150 SC	Good	2015	09/30/14	$ 35,617	$ 24,338	$ 11,279
1	TRAMAC 900 HYDRAULIC HAMMER	Good	#N/A	#N/A	$ 39,443	$ 28,267	$ 11,176
1	Sandvik Hydraulic Impact Hammer	Good	2012	05/31/12	$ 130,846	$ 119,942	$ 10,904
1	Land doll purchase	Good	2008	08/19/08	$ 62,611	$ 52,182	$ 10,429
1	2009 Volvo	Good	2009	#N/A	$ 100,247	$ 90,222	$ 10,025
1	2013 ISUZU NOR 17950 GVW CHASSIS	Good	2013	08/13/12	$ 70,222	$ 60,750	$ 9,473
1	2011 Isuzu NOR 17950 GVW CHASSIS	Good	2011	08/13/12	$ 68,304	$ 59,096	$ 9,208

Appendix

Schedule of Contractor's Equipment

Number	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	2004-BOOM	Good	2004	08/31/09	$ 33,716	$ 24,725	$ 8,991
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	WANCO MODEL WTLMB-A MESSAGE BOARD/S	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
1	PC50-UUT-2T HYD TRUCK	Good	2015	10/13/15	$ 14,928	$ 6,220	$ 8,708
3	Solar Light Towers-3 PIECES	Good	2014	02/12/14	$ 20,400	$ 11,900	$ 8,500
1	PETERBUILT	Good	2012	10/25/12	$ 45,954	$ 38,295	$ 7,659
3	Transcraft 45' Steel Flatbed Trailers-3 PIECES	Good	2007	08/03/07	$ 125,900	$ 118,551	$ 7,349
2	2012 Toyota Prus-2	Good	2012	05/31/12	$ 43,132	$ 35,943	$ 7,189
1	2014 CHEVY EXPRESS 2500 VAN	Good	2012	07/17/12	$ 60,038	$ 53,033	$ 7,004
1	COMPRESSOR 185CFM TIER 4	Good	2014	07/09/14	$ 25,118	$ 18,420	$ 6,698
1	COMPRESSOR 185CFM TIER 4	Good	#N/A	#N/A	$ 16,368	$ 9,821	$ 6,547
1	COMPRESSOR 185CFM TIER 4	Good	#N/A	#N/A	$ 16,368	$ 9,821	$ 6,547
1	City Sandvik Hydraulic Hammer	Good	#N/A	#N/A	$ 16,368	$ 9,821	$ 6,547
1	2014 CHEVY EXPRESS 2500 VAN	Good	2012	05/31/12	$ 37,925	$ 31,604	$ 6,321
1	2014 CHEVY EXPRESS 2500 VAN	Good	2014	07/09/14	$ 22,940	$ 16,823	$ 6,117
1	Ford Transit-250 2015 YK19C6	Good	2014	07/09/14	$ 22,940	$ 16,823	$ 6,117
1	2014 CHEVY EXPRESS 2500 VAN	Good	2015	06/09/15	$ 13,408	$ 7,374	$ 6,033
1	2004-BOOM	Good	2014	07/09/14	$ 19,674	$ 14,427	$ 5,246
1	VMS 3-LINE 71X133 1210QS	Good	2004	#N/A	$ 33,716	$ 28,659	$ 5,057
1	VMS 3-LINE 71X133 1210QS	Good	2015	02/27/15	$ 13,409	$ 8,416	$ 4,993
1	VMS 3-LINE 71X133 1210QS	Good	2015	02/27/15	$ 13,409	$ 8,416	$ 4,993
1	VMS 3-LINE 71X133 1210QS	Good	2015	02/27/15	$ 13,409	$ 8,416	$ 4,993
1	2012 Husqvarna FS660D Concrete Saw	Good	2015	02/27/15	$ 13,409	$ 8,492	$ 4,917
1	United Rental-Mini Excavator	Good	2012	08/01/12	$ 34,746	$ 30,693	$ 4,054
1	VMS 3-LINE 71x133 1210QS	Good	2007	11/06/07	$ 46,100	$ 42,253	$ 3,847
1	VMS 3-LINE 71x133 1210QS	Good	2015	02/27/15	$ 13,409	$ 9,681	$ 3,728
1	VMS 3-LINE 71x133 1210QS	Good	2015	02/27/15	$ 13,409	$ 9,681	$ 3,728
1	VMS 3-LINE 71x133 1210QS	Good	2015	02/27/15	$ 13,409	$ 9,681	$ 3,728
1	VMS 3-LINE 71x133 1210QS	Good	2015	02/27/15	$ 13,409	$ 9,681	$ 3,728
1	VMS 3-LINE 71x133 1210QS	Good	2015	02/27/15	$ 13,409	$ 9,681	$ 3,728
3	Kaeser M57 210CFM Compressors-3 PIECES	Good	2012	06/05/12	$ 42,310	$ 38,784	$ 3,526

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Schedule of Contractor's Equipment

lumber	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	Machinery and Equipment	Good	2008	05/01/08	$ 16,939	$ 14,257	$ 2,682
1	2007 GMC Sierra	Good	2007	10/01/07	$ 32,288	$ 29,864	$ 2,424
1	2007 GMC Sierra	Good	2007	10/01/07	$ 30,090	$ 27,771	$ 2,260
1	2013 GMC SIERRA 2500HD	Good	2013	08/17/12	$ 49,890	$ 47,642	$ 2,248
1	Rogers Tag20XXL Trailer	Good	2012	07/11/12	$ 20,510	$ 18,459	$ 2,051
1	2003 Grove YB4415XT	Good	2003	#N/A	$ 105,500	$ 103,742	$ 1,759
1	KAESER M100 375C COMPRESSOR W/ PARTS	Good	#N/A	#N/A	$ 44,516	$ 42,975	$ 1,541
1	95KY-GW-5559-21 DPF Spotfilter	Good	2012	01/10/13	$ 6,689	$ 5,351	$ 1,338
1	CAT HP Hammer Kit	Good	2012	05/31/12	$ 15,771	$ 14,457	$ 1,314
1	crw wire	Good	2007	08/09/07	$ 18,792	$ 17,551	$ 1,241
1	ADJ PRIOR YR TO TIE GL	Good	#N/A	#N/A	$ 3,670	$ 2,568	$ 1,102
3	Ranger 305G welding machines-3 PIECES	Good	2012	05/31/12	$ 13,215	$ 12,114	$ 1,101
1	ARROWBOARD-2S9US211XCS132563	Good	2012	08/13/12	$ 4,296	$ 3,795	$ 501
1	ARROWBOARD-2S9US2118CS132562	Good	2012	08/13/12	$ 4,296	$ 3,795	$ 501
1	ARROWBOARD-2S9US2114CS132560	Good	2012	07/18/12	$ 4,242	$ 3,747	$ 495
1	ARROWBOARD-2S9US2114CS132560	Good	2012	07/18/12	$ 4,242	$ 3,747	$ 495
1	X0800-0036-00-ELEC MONITOR	Good	2012	01/10/13	$ 2,186	$ 1,749	$ 437
1	BACK PRESSURE MONITOR LOGGER	Good	2012	01/10/13	$ 2,083	$ 1,666	$ 417
1	ARROWBOARD-2S9US2113CS132372	Good	2012	06/07/12	$ 4,296	$ 3,938	$ 358
1	ARROWBOARD-2S9US2111CS132371	Good	2012	06/07/12	$ 4,296	$ 3,938	$ 358
1	ARROWBOARD-2S9US2114CS132395	Good	2012	06/07/12	$ 4,296	$ 3,938	$ 358
1	ARROWBOARD-2S9US2116CS132396	Good	2012	06/07/12	$ 4,296	$ 3,938	$ 358
1	ARROWBOARD-2S9US2115CS132378	Good	2012	05/23/12	$ 4,242	$ 3,888	$ 354
1	ARROWBOARD-2S9US2117CS132374	Good	2012	05/23/12	$ 4,242	$ 3,888	$ 353
1	ARROWBOARD-S59US2115CS132289	Good	2012	05/14/12	$ 4,242	$ 3,959	$ 283
1	ARROWBOARD-2S9US2111CS132290	Good	2012	05/14/12	$ 4,242	$ 3,959	$ 283
1	2007 GMC Sierra	Good	2007	#N/A	$ 30,090	$ 30,028	$ 7
1	H.O. Penn Leasing-CAT M315C	Good	2006	10/01/06	$ 197,784	$ 197,778	$ 6
1	2007 446D's	Good	2007	#N/A	$ 286,460	$ 286,455	$ 5
1	2007 GMC Sierra	Good	2007	#N/A	$ 32,288	$ 32,286	$ 2
1	JOHN DEERE EXCAVATOR	Good	1996	10/16/96	$ 160,836	$ 160,836	$ -
1	KOMATSU WA320-3	Good	1997	08/20/97	$ 129,009	$ 129,009	$ -
1	INGERSOLL RAND DD90 ROLLER	Good	2000	08/14/00	$ 64,118	$ 64,118	$ -
1	APE 50E DRIVER/EXTRACTOR	Good	2000	08/25/00	$ 59,669	$ 59,669	$ -
1	CAT 320BL	Good	2000	09/15/00	$ 101,178	$ 101,178	$ -
1	CAT 320BL	Good	2000	09/15/00	$ 101,178	$ 101,178	$ -
1	KOMATSU WHEEL LOADER	Good	2002	05/01/02	$ 187,474	$ 187,474	$ -
1	COMPRESSOR 175 CFM	Good	2002	06/14/02	$ 22,788	$ 22,788	$ -

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Appendix . . Schedule of C\ ractor's Equipment

Number	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	2003 PETERBILT	Good	2003	12/05/02	$ 54,180	$ 54,180	$ -
1	2003 Peterbilt	Good	2003	03/21/03	$ 96,693	$ 96,693	$ -
1	JLG Telescope & Knuckle Boom 60' 45'	Good	2003	05/30/03	$ 124,488	$ 124,488	$ -
1	JLG Forklift 544D	Good	2003	11/10/03	$ 115,602	$ 115,602	$ -
1	Dumptruck	Good	2015	12/31/14	$ 114,030	$ 114,030	$ -
1	Tractor	Good	2015	12/31/14	$ 79,296	$ 79,296	$ -
1	Palfinger Knuckle Boom Crane	Good	2005	08/09/05	$ 95,599	$ 95,599	$ -
1	2005 Sprint C-35005HC	Good	2005	10/18/05	$ 72,377	$ 72,377	$ -
1	Caterpillar Excavator Model M315C	Good	2005	11/15/05	$ 194,642	$ 194,642	$ -
1	Caterpillar M315C Rubber Tire Excavator	Good	2005	11/15/05	$ 190,740	$ 190,740	$ -
1	Caterpillar 446D Backhoe Loader	Good	2005	11/15/05	$ 143,055	$ 143,055	$ -
1	Komatsu Wheel Loader	Good	2006	01/03/06	$ 328,308	$ 328,308	$ -
1	2005 Peterbilt-W/Palfinger Crane	Good	2006	01/03/06	$ 25,772	$ 25,772	$ -
1	SMALL EQUIPMENT-UNITED RENTAL	Good	#N/A	#N/A	$ 99,103	$ 99,103	$ -
1	ARPIELLE EQUIPMENT CO.	Good	#N/A	#N/A	$ 29,179	$ 29,179	$ -
1	WHISPERWATT MODEL DCA-70SSJE GENERA	Good	#N/A	#N/A	$ 48,332	$ 48,332	$ -
1	WHISPERWATT MODEL DCA-70SSJE GENERA	Good	#N/A	#N/A	$ 48,332	$ 48,332	$ -
1	JLG MODEL 2630ES 24-26' SCISSOR LIFT	Good	#N/A	#N/A	$ 9,480	$ 9,480	$ -
1	JLG MODEL 1930ES 19' SCISSOR LIFT	Good	#N/A	#N/A	$ 9,576	$ 9,576	$ -
1	SKID STEER TRUCK LDR2000-2389	Good	#N/A	#N/A	$ 58,068	$ 58,068	$ -
1	SKID STEER TRUCK LDR2000-2399	Good	#N/A	#N/A	$ 58,068	$ 58,068	$ -
1	Light Tower	Good	#N/A	#N/A	$ 29,350	$ 29,350	$ -
1	210 CFM COMPRESSOR	Good	2012	08/14/12	$ 16,168	$ 16,168	$ -
1	210CFM COMPRESSOR	Good	2012	08/14/12	$ 16,168	$ 16,168	$ -
1	GMC SAVANA	Good	2000	11/21/99	$ 25,451	$ 25,451	$ -
1	2000 GMC SAVANA	Good	2000	07/25/00	$ 25,212	$ 25,212	$ -
1	1992 MACK TRACTOR	Good	1992	08/11/00	$ 32,000	$ 32,000	$ -
1	2001 GMC SAVANA	Good	2001	08/29/00	$ 24,866	$ 24,866	$ -
1	2001 STEP VAN	Good	2001	12/20/00	$ 39,395	$ 39,395	$ -
1	2001 WH P31442	Good	2001	01/08/01	$ 39,395	$ 39,395	$ -
1	2001 WH P31442	Good	2001	01/20/01	$ 39,395	$ 39,395	$ -
1	2002GMC 1500	Good	2002	01/01/02	$ 24,453	$ 24,453	$ -
1	2002 VW PASSAT	Good	2002	01/01/02	$ 34,007	$ 34,007	$ -
1	2002 GMC 1500	Good	2002	01/01/02	$ 30,561	$ 30,561	$ -
1	2002 VOLKSWAGON	Good	2002	04/13/02	$ 18,755	$ 18,755	$ -
1	2002 GMC 2500	Good	2002	05/30/02	$ 30,787	$ 30,787	$ -
1	WORKHOUSE P31442	Good	2002	12/21/02	$ 41,202	$ 41,202	$ -
1	2004 GMC SAVANA	Good	2004	11/17/03	$ 26,822	$ 26,822	$ -

pendix 4

Schedule of Contractor's Equipment

Number	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	2005 GMC Savana 3500	Good	2006	08/16/04	$ 26,900	$ 26,900	$ -
1	2004 GMC 1500 4x2	Good	2004	08/23/04	$ 32,832	$ 32,832	$ -
1	2005 GMC SAVANA 3500	Good	2006	08/27/04	$ 27,155	$ 27,155	$ -
1	2005 GMC SAVANA 3500	Good	2006	09/27/04	$ 26,877	$ 26,877	$ -
1	2005 GMC SAVANA 3500	Good	2006	10/13/04	$ 25,889	$ 25,889	$ -
1	Gomaco C-450 Cylinder Concrete Finisher	Good	2005	02/01/05	$ 60,496	$ 60,496	$ -
1	2007YUKON LUX (Expense)	Good	2007	01/01/07	$ 28,278	$ 28,278	$ -
1	2007 GMC SAVANA2500	Good	2007	05/19/07	$ 32,723	$ 32,723	$ -
1	lexus	Good	2007	07/12/07	$ 87,077	$ 87,077	$ -
1	2007Gabriellitruck	Good	2007	07/13/07	$ 74,969	$ 74,969	$ -
1	2007Gabriellitruck	Good	2007	07/13/07	$ 89,208	$ 89,208	$ -
1	2008 gabriellitruck	Good	2008	08/09/07	$ 101,139	$ 101,139	$ -
1	2008 KENWORTH TRIAXLE BOOM	Good	2008	09/27/07	$ 122,202	$ 122,202	$ -
1	2008 KENWORTH TRIAXLE BOOM	Good	2008	09/27/07	$ 4,114	$ 4,114	$ -
1	2008 gabriellitruck	Good	2008	10/10/07	$ 70,833	$ 70,833	$ -
1	2008 gabriellitruck	Good	2008	12/19/07	$ 69,119	$ 69,119	$ -
1	2009 GabrielliTruck	Good	2009	03/03/09	$ 97,719	$ 97,719	$ -
1	2009-GMC	Good	2009	08/31/09	$ 85,024	$ 85,024	$ -
1	2010 YUKON HYBRID	Good	2010	04/01/10	$ 69,240	$ 69,240	$ -
1	Wells Fargo- Van Buren Isuzu 2	Good	2010	11/30/10	$ 67,894	$ 67,894	$ -
1	Wells Fargo- Van Buren Isuzu 2	Good	2010	11/30/10	$ 67,894	$ 67,894	$ -
1	CHEVY 1500 SILVERADO WORK TRUCK	Good	2014	12/12/13	$ 20,555	$ 20,555	$ -
1	FORD F450	Good	2014	03/12/14	$ 55,984	$ 55,984	$ -
1	Ford F150	Good	2014	04/21/14	$ 25,148	$ 25,148	$ -
1	2003 PETERBILT	Good	2003	#N/A	$ 54,180	$ 54,180	$ -
1	2003 Peterbilt	Good	2003	#N/A	$ 96,693	$ 96,693	$ -
1	2005 Sprint C-35005HC	Good	2005	#N/A	$ 72,377	$ 72,377	$ -
1	2005 Peterbilt-W/Palfinger Crane	Good	2005	#N/A	$ 25,772	$ 25,772	$ -
1	18 TON Boom Truck	Good		#N/A	$ 236,500	$ 236,500	$ -
1	2006 caterpillar	Good	2006	#N/A	$ 203,011	$ 203,011	$ -
1	2000 GMC SAVANA	Good	2000	#N/A	$ 25,212	$ 25,212	$ -
1	1992 MACK TRACTOR	Good	1992	#N/A	$ 32,000	$ 32,000	$ -
1	2001 GMC SAVANA	Good	2001	#N/A	$ 24,866	$ 24,866	$ -
1	2001 STEP VAN	Good	2001	#N/A	$ 39,395	$ 39,395	$ -
1	2001 WH P31442	Good	2001	#N/A	$ 39,395	$ 39,395	$ -
1	2001 WH P31442	Good	2001	#N/A	$ 39,395	$ 39,395	$ -
1	2002GMC 1500	Good	2002	#N/A	$ 24,453	$ 24,453	$ -
1	2002 VW PASSAT	Good	2002	#N/A	$ 34,007	$ 34,007	$ -

Group

Appendix

Schedule of Contractor's Equipment

Number	Name	Present Condition	Year Manufactured	Date Purchased	Purchase Price	Depreciation	Book Value
1	2002 GMC1500	Good	2002	#N/A	$ 30,561	$ 30,561	$ -
1	2002 VOLKSWAGON	Good	2002	#N/A	$ 18,755	$ 18,755	$ -
1	2002 GMC2500	Good	2002	#N/A	$ 30,787	$ 30,787	$ -
1	2004 GMCSAVANA	Good	2004	#N/A	$ 26,822	$ 26,822	$ -
1	2005 GMCSavana 3500	Good	2005	#N/A	$ 26,900	$ 26,900	$ -
1	2004 GMC1500 4x2	Good	2004	#N/A	$ 32,832	$ 32,832	$ -
1	2005 GMCSAVANA 3500	Good	2005	#N/A	$ 27,155	$ 27,155	$ -
1	2005 GMCSAVANA 3500	Good	2005	#N/A	$ 26,877	$ 26,877	$ -
1	2005 GMCSAVANA 3500	Good	2005	#N/A	$ 25,889	$ 25,889	$ -
1	2007YUKON LUX (Expense)	Good	2007	#N/A	$ 28,278	$ 28,278	$ -
1	2007 GMCSAVANA2500	Good	2007	#N/A	$ 32,723	$ 32,723	$ -
1	2007Gabriellitruck	Good	2007	#N/A	$ 74,969	$ 74,969	$ -
1	2007Gabriellitruck	Good	2007	#N/A	$ 89,208	$ 89,208	$ -
1	2008 gabriellitruck	Good	2008	#N/A	$ 101,139	$ 101,139	$ -
1	2008 KENWORTH TRIAXLE BOO	Good	2008	#N/A	$ 122,202	$ 122,202	$ -
1	2008 KENWORTH TRIAXLE BOO	Good	2008	#N/A	$ 4,114	$ 4,114	$ -
1	2008 gabriellitruck	Good	2008	#N/A	$ 70,888	$ 70,888	$ -
1	2008 gabriellitruck	Good	2008	#N/A	$ 69,119	$ 69,119	$ -
1	2009 GabrielliTruck	Good	2009	#N/A	$ 97,719	$ 97,719	$ -
1	2009-GMC	Good	2009	#N/A	$ 85,024	$ 85,024	$ -
1	2010 YUKON HYBRID	Good	2010	#N/A	$ 68,240	$ 68,240	$ -

Totals $ 4,933,722

CONTRACT NO. I-17-4339

PLANT AND EQUIPMENT QUESTIONNAIRE

2b) EQUIPMENT TO BE LEASED OR RENTED

List the equipment which you intend to rent or lease for this contract if awarded to you.

QUANTITY	UNIT	DESCRIPTION, SIZE, CAPACITY, ETC.	MANUFACTURER	YEAR OF MFR.	PROPOSED RENTER OR LESSOR
TO BE DETERMINED BASED ON AVAILABILITY					

CONTRACT NO. I-17-4339

PLANT AND EQUIPMENT QUESTIONNAIRE

2c) EQUIPMENT TO BE PURCHASED

List the equipment which you intend to purchase for this contract, if awarded to you. Include pneumatic and hydraulic tools, lighting equipment, mobile or portable service/repair equipment, and equipment to be used in maintenance of traffic.

QUANTITY	UNIT	DESCRIPTION, SIZE, CAPACITY, ETC.	MANUFACTURER	YEAR	APPROXIMATE COST
TO BE DETERMINED BASED ON AVAILABILITY					

CONTRACT NO. I-17-4339

PLANT AND EQUIPMENT QUESTIONNAIRE

3. SUB-CONTRACT WORK

List below the portions of the work which will be performed by subcontractors, the pay items which they relate to, the approximate value of the work to be subcontracted, and the names of firms being considered.

SCOPE OF WORK	RELATED PAY ITEM	% OF TOTAL CONTRACT	APPROX. $ VALUE	IDENTIFIED CONTRACTOR
SEE ATTACHED				

4. MATERIALS COMMITMENTS

Have you entered into contracts for or received firm offers for the supply of all major materials which meet requirements of the specifications for this project? Yes ☒ No ☐

If your answer is NO, explain fully below or attach an explanation.

SCOPE OF WORK	RELATED PAY ITEM	% OF TOTAL CONTRACT	APPROX. $ VALUE	IDENTIFIED CONTRACTOR
STEEL SUPPLIER	VARIOUS	1.25%	2,000,000.00	GREAT LAKES METALS CORPORATION
CONCRETE PAVING	VARIOUS	4.38%	7,000,000.00	DIVINE CEMENT
CONSULTING	VARIOUS	0.15%	240,000.00	BRYAN ENVIRO. CONSULT.
PAINTING	VARIOUS	0.94%	1,500,000.00	ATLANTIC PAINTING
CONCRETE	VARIOUS	0.31%	500,000.00	ARAIZA
LANDSCAPING	VARIOUS	0.94%	1,500,000.00	LAREDO SYSTEMS
SEWER	VARIOUS	3.75%	6,000,000.00	VIRIDIAN ENTERPRISES
SURVEYING	VARIOUS	0.28%	450,000.00	C3 CORPORATION
PAVEMENT MARKING	VARIOUS	0.06%	100,000.00	MARKING SPECIALISTS CORPORATION
REBAR	VARIOUS	6.25%	10,000,000.00	M.A. REBAR SERVICES, INC.
ELECTRICAL SUPPLY	VARIOUS	0.16%	250,000.00	MIDCO
ELECTRICAL SUPPLY	VARIOUS	0.15%	240,000.00	LYONS VIEW MAUNFACTURING
TRUCKING	VARIOUS	0.84%	1,350,000.00	TRUCK KING HAULING CONTRACTORS
TRUCKING	VARIOUS	0.75%	1,200,000.00	E. KING CONSTRUCTION
SIGNAGE/ERECTION	VARIOUS	5.31%	8,500,000.00	S&J CONSTRUCTION, INC.
FENCING	VARIOUS	0.49%	780000	INDUSTRIAL FENCE, INC.

CONTRACT NO. I-17-4339

PLANT AND EQUIPMENT QUESTIONNAIRE

5. EXAMINATION OF SITE WORK

Have you carefully inspected the site of the work and evaluated all of the requirements with respect to your capability to provide the resources necessary to complete the work in accordance with those requirements?

YES X NO_____

6. DOCUMENT REFERENCE

In preparing your bid did you have available for reference the following contract documents?

The Special Provisions YES X NO_____

The Contract Plans YES X NO_____

The IDOT Standard Specifications and Tollway Supplemental Specifications, latest edition as referenced in S. P. 101 YES X NO_____

Dated at Lisle, IL this 2nd day of June, 2020.

Judlau Contracting, Inc.
Name of Organization

By [redacted]

Executive Vice President
Title of Person Signing

STATE OF Illinois)
)
COUNTY OF DuPage)

Arnav Amin being duly sworn deposes and says that he/she is Executive Vice President of the above Judlau Contracting, Inc. and that the answers to the questions in the foregoing
Name of Organization

questionnaires and all statements therein contained are true and correct.

Subscribed and sworn to me before this 2nd day of JUNE, 2020.

[redacted]
Notary Public

My Commission Expires: JUNE 13, 2023

MARIA CACUCCIOLO
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
June 13, 2023

CONTRACT NO. I-17-4339

CURRENT CONTRACTUAL OBLIGATIONS

Entries on this sheet are to **cover all construction work under contract or verbal performance agreement or pending award** to the contractor signing, whether as principal or as sub-contractor and with any owner including the United States government.

WORK NOW UNDER CONTRACT AS PRINCIPAL OR JOINT VENTURE

CONTRACT NUMBER	CONTRACT ENTERED INTO WITH (OWNER OR AGENCY)	VALUE OF WORK UNEARNED	TYPE OF WORK YET TO BE PERFORMED	ESTIMATED COMPLETION DATE
SEE ATTACHED				

TOTAL UNDER CONTRACT AND UNEARNED

WORK AS SUB-CONTRACTOR

CONTRACTOR	OWNER OR AGENCY	VALUE OF WORK UNEARNED	TYPE OF WORK YET TO BE PERFORMED	ESTIMATED COMPLETION DATE

TOTAL SUBLET AND UNEARNED

LOW BIDS SUBMITTED, OPENED AND NOT APPROVED

CONTRACT NUMBER	OWNER OR AGENCY	VALUE OF WORK UNEARNED	TYPE OF WORK YET TO BE PERFORMED	ESTIMATED COMPLETION DATE

TOTAL OF BIDS PENDING AWARD _____

I hereby certify that, to the best of my knowledge and belief, the above tabulations are true and complete and that my/our latest financial statement is available upon request to verify my/our financial position as of this date.

Judlau Contracting, Inc.
BIDDER

June 2, 2020
DATE

[redacted]
BY: Arnav Amin SIGNATURE

Executive Vice President
TITLE

SUB-CONTRACTOR

SUB-CONTRACTOR

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 6/5/2020
(Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE.**

	1	2	3	4	5	
Contract Number	60L71	60L72	I-17-4683	I-18-4446	60x10	
Contract With	IDOT	IDOT	ISTHA	ISTHA	IDOT	
Estimated Completion Date	05/29/20	05/29/20	08/2020	6/2020	01/28/22	
Total Contract Price	67,019,184.35	58,481,919.53	39,447,147.00	12,387,495.41	49,166,777.58	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	1,211,350.61	1,530,404.33	17,038,033.38	2,001,997.50	38,063,180.06	see page 9
Uncompleted Dollar Value if Firm is the Subcontractor						
	Total Value of All Work					

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork	$ 10,000.00	10,000.00	37,820.00	137,489.00	1,881,466.60	2,076,775.60
Portland Cement Concrete Paving			0.00		5,297,385.28	5,297,385.28
HMA Plant Mix			0.00			0.00
HMA Paving			0.00			0.00
Clean & Seal Cracks/Joints			0.00		12,906.00	12,906.00
Aggregate Bases & Surfaces	$ 5,000.00	5,000.00	885,258.32	148,656.00	2,681,531.27	3,725,445.59
Highway,R.R. and Waterway Structures	$ -	0.00	1,295,666.00		3,933,184.43	5,228,850.43
Drainage	$ 25,000.00	10,000.00	0.00	56,565.00	3,738,978.68	3,830,543.68
Electrical			0.00			0.00
Cover and Seal Coats		4,599.00	9,068.00			13,667.00
Concrete Construction		0.00	1,982,031.19	119,773.00		2,101,804.19
Landscaping			0.00			0.00
Fencing			0.00			0.00
Guardrail			0.00			0.00
Painting			0.00			0.00
Signing			0.00			0.00
Cold Milling, Planning & Rotomilling			0.00			0.00
Demolition	$ -	0.00	4,215.00	200,000.00	831,534.28	1,035,749.28
Foundation (Caisson & Pile)	$ -	0.00	0.00			0.00
Mobilization	$ -	280,000.00			285,000.00	565,000.00
General Items	$ -	0.00	446,852.36	105,095.00	1,672,185.76	2,224,133.12
Totals	40,000.00	309,599.00	4,660,910.87	767,578.00	20,334,172.30	26,112,260.17

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5
Subcontractor	Abari	Abari	MEADE	Kapur	AC Iron
Type of Work	Flatwork	Flatwork	ELECTRICAL	Survey	Rebar F&I
Subcontract Price	$2,917,457.88	$1,265,541.22	1,949,462.76	92,056.80	670,614.66
Amount Uncompleted	$-	$-	1,426,857.83	25,741.00	589,410.11
Subcontractor	Acura	Acura	ACURA	Natural Creations	Traffic Control & Protection
Type of Work	PCC Pvmt	Concrete Paving	PCCP	Landscaping	Traffic Control
Subcontract Price	$ 10,245,233.64	$ 5,359,416.39	4,216,389.00	168,562.18	1,501,669.50
Amount Uncompleted	$ 27,809.09	$ 112,333.66	4,216,389.00	60,535.00	972,276.56
Subcontractor	Austin Tyler	Austin Tyler	KUJO	Homer	Laredo Systems
Type of Work	Ashpalt Pvmt	HMA Paving	SIGNAGE	Tree Removal	Landscaping
Subcontract Price	$6,616,432.69	$2,664,867.66	819,156.86	65,917.50	977,705.10
Amount Uncompleted	$338,051.83	$286,151.33	812,435.10	0.00	826,456.30
Subcontractor	C3 Corp	C3 Corp	IFI	TCP	Tri-Tech Electric
Type of Work	Survey	Survey	FENCE/GUARDRAIL	Traffic Control	Electrical
Subcontract Price	$375,000.00	$271,250.00	482,627.00	1,142,948.26	7,557,558.67
Amount Uncompleted	$-	$-	399,047.07	355,657.00	5,814,976.01
Subcontractor	EMA CONSTRUCTION	Homer Tree Service	TSI	K-Five	Clausen Structures
Type of Work	Rebar	Tree Removal	Traffic Control	Paving	Structural Steel Erect
Subcontract Price	$527,705.99	$166,772.60	99,737.50	1,492,655.24	198,880.00
Amount Uncompleted	$-	$-	41,685.25	0.00	198,880.00
Subcontractor	H & H Electric	IFI	Builders	Terra	Northern Contracting
Type of Work	Electric	Fencing	Asphalt Pave	Soil Retention	Fence & Guardrail
Subcontract Price	$2,744,313.67	$ 103,363.21	1,468,405.00	1,049,240.00	598,101.38
Amount Uncompleted	$-	$ 8,400.78	1,447,257.20	353,575.00	550,423.21
Subcontractor	Homer Tree	MA Steel	Ray Edwards	John Keno	Western Remac
Type of Work	Tree Removal	Rebar Installtion	Sewer	Excavation	Signage
Subcontract Price	$153,782.70	$2,945,633.35	1,563,666.27	370,732.00	1,005,044.33
Amount Uncompleted	$-	$-	652,709.38	57,565.00	973,859.42
Subcontractor	Industrial Fence	Natural Creations	Claussen	E.C.C.	K-Five Construction
Type of Work	Fence/Guardrail	Landscaping	Rebar F&A	Electrical	HMA Paving
Subcontract Price	$557,977.88	$888,148.70	1,775,739.12	175,795.87	3,298,302.74
Amount Uncompleted	$997.82	$470,470.87	1,296,273.05	35,049.00	3,218,654.49
Subcontractor	Martinez UG	Procision Boring	Marking Specialists	Industrial Fence	Era Valdivia Contractors
Type of Work	Sewer	Directional Boring	Pavement Marking	Fencing	Structural Repairs
Subcontract Price	$578,077.32	$58,481,919.53	70,027.00	911,295.66	112,706.00
Amount Uncompleted	$-	$-	70,027.00	240,042.00	112,706.00
Subcontractor	Natural Creations	Trafic Services Inc	Natural Creations	AC Iron	RPE Trucking
Type of Work	Landscaping	Traffic Control	Landscaping	Rebar Tying	Trucking
Subcontract Price	$1,429,066.39	$1,641,733.28	953,482.78	85,730.80	281,157.03
Amount Uncompleted	$377,470.11	$224,808.60	829,503.10	0.00	63,476.32

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5
Subcontractor	Trafic Services	Van Mack Electric	Era Valdivia	HR Stewart	DGI-MENARD
Type of Work	MOT	Electrical	Painting	Sewer Cleaning	GROUND STABILZATION
Subcontract Price	$2,297,941.64	$2,276,854.91	167,963.10	0.00	495,000.00
Amount Uncompleted	$427,021.76	$118,640.10	167,963.10	0.00	301,950.00
Subcontractor	Visue	Visu Sewer	Quality Saw	Carrera	PRECISION PAVEMENT MARKINGS
Type of Work	Sewer	Sewer Cleaning	Sawcutting	Flatwork	PAVEMENT MARKINGS
Subcontract Price	$10,097.00	$12,656.50	76,046.02	58,254.00	359,812.47
Amount Uncompleted	$-	$-	71,621.69	46,939.00	359,812.47
Subcontractor		Tough Cuts	Metro Steel	Diegan	LJ KEEFE
Type of Work		Bridge Deck Grooving	Erection	Environmental	Jack and Bore
Subcontract Price		$101,400.00	409,004.92	53,650.00	222,885.00
Amount Uncompleted		$-	-	0.00	5,715.00
Subcontractor			CTI	Allstate	QUALITY SAW AND SEAL
Type of Work			Vibration Monitoring	Sawing	Sawcutting
Subcontract Price			14,072.00	0.00	211,716.06
Amount Uncompleted			14,072.00	0.00	170,275.51
Subcontractor			Truck King	Quality	Homer Tree Service
Type of Work			Hauling	Sawing	Tree Removals
Subcontract Price			$ 1,000,000.00	0.00	10,975.00
Amount Uncompleted			$ -	0.00	6,725.00
Subcontractor			Chicagoland Truckin	Atlantic	Divine Cement, Inc.
Type of Work			Hauling	Painting	Concrete Flatwork
Subcontract Price			$ 230,000.00	59,316.50	3,247,312.75
Amount Uncompleted			$ 137,640.00	59,316.50	1,843,852.85
Subcontractor			RA Seaton		Antigo Construction
Type of Work			Hauling		Concrete Breaking
Subcontract Price			$ 230,000.00		22,464.40
Amount Uncompleted					22,464.40
Subcontractor			Mt. Carmel		Sheridan Plumbing & Sewer
Type of Work			Lime Stabilization		Sewer Televising
Subcontract Price			1046031.5		72,599.40
Amount Uncompleted			793641.74		69,737.00

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5
Subcontractor					Fox Valley Chlorinating
Type of Work					Testing
Subcontract Price					2,030.00
Amount Uncompleted					840.00
Subcontractor					ENO
Type of Work					Trucking
Subcontract Price					1,744,386.72
Amount Uncompleted					1,593,482.14
Subcontractor					Brownfield Enviromental
Type of Work					Testing
Subcontract Price					66,700.00
Amount Uncompleted					16,600.00
Subcontractor					Chicago Cut
Type of Work					Saw Cutting
Subcontract Price					52,100.00
Amount Uncompleted					0.00
Subcontractor					Illinois Central Sweeping
Type of Work					Sweeping
Subcontract Price					7,900.00
Amount Uncompleted					4,845.50
Subcontractor					Kalgen
Type of Work					Testing
Subcontract Price					19,160.00
Amount Uncompleted					1,957.50
Subcontractor					Nashnal
Type of Work					Testing
Subcontract Price					9,632.00
Amount Uncompleted					9,632.00
Subcontractor					Collins Engineering
Type of Work					Engineering
Subcontract Price					3,584.50
Amount Uncompleted					0.00
Subcontractor					ATS
Type of Work					Testing
Subcontract Price					777.00
Amount Uncompleted					0.00
Totals 1-5	1,171,350.61	1,220,805.33	12,377,122.51	1,234,419.50	17,729,007.77

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 6/5/2020 (Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE.**

	6	7	8	9	10	
Contract Number	K72374	62A74	61E18	60X79	I-19-4464	
Contract With	METRA	IDOT	IDOT	IDOT	ISTHA	
Estimated Completion Date	3/2021	12/2020	8/2020	7/2020	11/24/2021	
Total Contract Price	17,355,632.72	22,127,337.57	15,116,061.12	38,641,450.68	64,352,559.20	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	3,231,016.66	1,578,984.30	4,328,693.35	22,743,367.73	61,294,992.50	see page 9
Uncompleted Dollar Value if Firm is the Subcontractor						0.00
		Total Value of All Work				

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work Subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork	26,928.00	5,000.00	0.00	3,981,000.00	2,642,396.58	6,655,324.58
Portland Cement Concrete Paving	0.00		0.00	0.00	2,464,842.00	2,464,842.00
HMA Plant Mix	0.00		0.00	0.00		0.00
HMA Paving	0.00		0.00	0.00		0.00
Clean & Seal Cracks/Joints	0.00		0.00	0.00		0.00
Aggregate Bases & Surfaces	23,950.00	10,000.00	25,000.00	140,000.00	3,516,331.26	3,715,281.26
Highway,R.R. and Waterway Structures	27,905.06		1,833,592.78		21,671,000.00	23,532,497.84
Drainage	22,500.00		0.00	1,131,000.00		1,153,500.00
Electrical	0.00		0.00			0.00
Cover and Seal Coats	0.00		0.00			0.00
Concrete Construction	110,720.00	10,000.00	0.00	2,973,000.00		3,093,720.00
Landscaping	0.00		0.00			0.00
Fencing	0.00		0.00			0.00
Guardrail	0.00		0.00			0.00
Painting	0.00		0.00			0.00
Signing	0.00		0.00			0.00
Cold Milling, Planning & Rotomilling	0.00		0.00			0.00
Demolition	38,924.34	150,000.00	0.00	788,000.00	1,411,878.48	2,388,802.82
Pavement Markings (Paint)	0.00		0.00			0.00
Foundation (Caisson & Pile)	45,124.12		0.00			45,124.12
Mobilization	56,088.07	0.00	100,000.00	225,000.00	900,000.00	1,281,088.07
General	52,794.03	127,216.40	0.00	2,970,937.13	5,300,000.00	8,450,947.56
Totals	404,933.62	302,216.40	1,958,592.78	12,208,937.13	37,906,448.32	52,781,128.25

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	6	7	8	9	10
Subcontractor	Aldridge Electric	ARTEAGA	Alliance Fence	ARAIZA	Homer Tree
Type of Work	Caisons	LANDSCAPIMG	Fence	CONCRETE PAVING	Tree Removal
Subcontract Price	3,111,463.20	52,203.45	165,211.94	577,678.10	121,194.00
Amount Uncompleted	323,581.42	35,441.35	11,008.00	507,142.26	121,194.00
Subcontractor	ACR	CARRERA	Arteaga	ARTEAGA	Metromex
Type of Work	Waterproofing	CONC FLATWORK	Landscaping	EROSION CONTROL	Asphalt
Subcontract Price	216,836.79	73,441.50	81,739.38	123,273.79	3,381,420.75
Amount Uncompleted	118,273.35	28,723.39	35,456.94	122,203.79	3,381,420.75
Subcontractor	Area Equipment	CHICAGOLAND TRUCK	Atlantic Painting	CARRERA	Ray Edwards
Type of Work	Steel Erection	TRUCKING	Painting	CONCRETE FLATWORK	Underground
Subcontract Price	2,252,980.30	107,047.50	71,811.00	71,548.75	1,704,283.92
Amount Uncompleted	804,860.45	6,412.10	71,811.00	71,548.75	1,704,283.92
Subcontractor	Atlantic Painting	ENO	Clausen	CITY LIGHTS	Hecker Electric
Type of Work	Lead Abatement	TRUCKING	Rebar	ELECTRIC	Electic
Subcontract Price	825,900.00	544,755.00	405,974.88	1,726,144.51	4,006,280.55
Amount Uncompleted	305,897.40	0.00	191,541.54	147,263.06	4,006,280.55
Subcontractor	Bechstein Construction	GRL ENGINEERS	Divine	CLAUSEN	Divine Cement
Type of Work	Demoltition	TESTING	Concrete Flatwork	REBAR/STEEL	Concrete Flatwork
Subcontract Price	820,000.00	8,220.00	655,514.86	4,504,800.05	3,392,521.28
Amount Uncompleted	250,960.40	3,100.00	21,441.97	3,072,777.94	3,392,521.58
Subcontractor	GRL Engineers	HECKER	Envior OPS	CTI	S&J
Type of Work	Testing	ELECTRIC	Testing	SETTLEMENT MONITORING	Sign/Steel Erection
Subcontract Price	44,500.00	264,762.07	46,225.00	126,558.50	4,103,693.88
Amount Uncompleted	0.00	15,858.68	1,250.00	41,431.50	4,103,693.88
Subcontractor	Industrial Fence	HOMER	Javelina	E KING	MA Rebar
Type of Work	Fencing	TREE REM	Asphalt Milling	TRUCKING	F&I Rebar
Subcontract Price	473,510.81	23,610.00	0.00	1,941,729.60	3,150,187.13
Amount Uncompleted	347,651.13	1,325.00	0.00	1,327,998.35	3,150,187.13
Subcontractor	KAPUR	IFI	K&K	HOMER	IFI
Type of Work	Survey	FENCING	Pedestrain Rail	TREE REMOVAL	Fence and Guardrail
Subcontract Price	220,062.50	82,532.55	672,290.43	13,890.00	1,026,600.14
Amount Uncompleted	34,887.50	47,769.04	672,290.43	3,600.00	900,138.00
Subcontractor	MA Rebar	INTEGRITY	Len Cox	IFI	TC&P
Type of Work	Rebar Erection/Supply	ENVIRONMENTAL	Sewer	FENCING	Traffic Control
Subcontract Price	329,668.51	44,085.00	313,104.36	227,188.05	2,718,943.04
Amount Uncompleted	97,190.47	0.00	53,894.00	127,676.25	2,629,333.14
Subcontractor	Meade Electric	LJ KEFE	Original	INTEGRITY	
Type of Work	Electric	SS JACKING	Conc Pumping	ENVIRONMENTAL	
Subcontract Price	324,015.23	400,380.63	40,000.00	132,850.00	
Amount Uncompleted	82,953.27	0.00	15,000.00	68,437.50	

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	6	7	8	9	10
Subcontractor	Metromex	MA REBAR	Roadsafe	KALGEN	
Type of Work	Asphalt	REBAR	MOT/Sign/Pvmt Mrk	TESTING	
Subcontract Price	129,945.50	2,030,784.52	102,760.07	58,350.00	
Amount Uncompleted	129,945.50	4,829.51	24,001.99	41,246.75	
Subcontractor	OMEGA CONSTRUCTION	METROMEX	Quality	KAPUR	
Type of Work	Flatwork	ASPHALT	Sawcut	SURVEY	
Subcontract Price	329,882.15	112,351.89	15,000.00	325,090.00	
Amount Uncompleted	329,882.15	50,728.32	0.00	137,383.50	
Subcontractor	Sandsmith Masonry	MICHELS	Clean Cut	LJ KEEFE	
Type of Work	Tuck Pointing	CAISSONS	Tree Removal	SEWER JACKING	
Subcontract Price	77,000.00	5,597,292.32	12,330.00	996,370.00	
Amount Uncompleted	0.00	14,575.74	0.00	852,109.60	
Subcontractor		MIXONSITE	Schroeder	METROMEX	
Type of Work		LIGHTWT FILL	Asphalt	ASPHALT	
Subcontract Price		98,391.11	621,475.47	194,951.52	
Amount Uncompleted		0.00	220,244.07	194,951.52	
Subcontractor		MTC MORENO	Michels	MIXONSITE	
Type of Work		TRUCKING	Caissons	LIGHTWEIGHT FILL	
Subcontract Price		0.00	646,616.12	912,672.00	
Amount Uncompleted		0.00	301,567.91	410,770.30	
Subcontractor		NPR	Tritech	NPR	
Type of Work		SEWER CLEANING	Electrical	SEWER CLEANING	
Subcontract Price		48,155.00	2,431,730.10	406,020.00	
Amount Uncompleted		23,625.00	639,818.85	134,167.00	
Subcontractor		RA SEATON	Vibratech	S&J	
Type of Work		TRUCKING	Vibration Monitoring	SIGNAGE	
Subcontract Price		97,726.00	15,000.00	60,430.89	
Amount Uncompleted		0.00	0.00	60,430.89	
Subcontractor		RELIABLE	ENO	STALWORTH	
Type of Work		WATER MAIN	Trucking	CAISSONS	
Subcontract Price		1,069,118.29	449,034.47	6,331,559.08	
Amount Uncompleted		325,321.57	110,773.87	1,949,763.21	
Subcontractor		SONICAN	MTC-Moreno	STRATA	
Type of Work		TRUCKING	Trucking	DRILLING	
Subcontract Price		3,528.00	9,072.50	28,657.50	
Amount Uncompleted		0.00	0.00	13,032.50	
Subcontractor		STRATA	DLZ	SDC	
Type of Work		DRILLING	Survey	STRUCTURAL DESIGN	
Subcontract Price		12,880.00	60,069.55	80,650.00	
Amount Uncompleted		0.00	0.00	43,964.00	

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	6	7	8	9	10
Subcontractor		**Structural**		**TSI**	
Type of Work		CFRP WM Lining		TRAFFIC	
Subcontract Price		1,980,500.00		773,945.05	
Amount Uncompleted		719,058.20		588,250.42	
Subcontractor				TCC	
Type of Work				PAVEMENT MARKING	
Subcontract Price				128,284.62	
Amount Uncompleted				128,284.62	
Subcontractor				TRUCK KING	
Type of Work				TRUCKING	
Subcontract Price				444,438.00	
Amount Uncompleted				371,106.89	
Subcontractor				VIBRA-TECH	
Type of Work				VIBRATION MONITORING	
Subcontract Price				250,975.00	
Amount Uncompleted				118,890.00	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Totals 6-10	**2,826,083.04**	**1,276,767.90**	**2,370,100.57**	**10,534,430.60**	**23,388,544.18**

Illinois Department of Transportation
Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 6/5/2020
(Letting date)

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Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show **NONE.**

	11	12	13	14	15	
Contract Number	I-18-4705	I-19-4507				
Contract With	ISTHA	ISTHA				
Estimated Completion Date	07/2022	12/1/2020				
Total Contract Price	83,353,068.93	$ 9,233,181.12				**Accumulated Totals**
Uncompleted Dollar Value if Firm is the Prime Contractor	$ 83,353,068.93	$ 9,233,181.12				**245,608,270.48**
Uncompleted Dollar Value if Firm is the Subcontractor						**0.00**
Total Value of All Work						**245,608,270.48**

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work Subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork	10,992,419.00	$ 1,046,438.00				
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces	1,284,000.00	$ 346,186.00				
Highway,R.R. and Waterway Structures	29,385,782.63	$ 451,600.00				
Drainage		$ 59,868.00				
Electrical						
Cover and Seal Coats						
Concrete Construction		$ 77,000.00				
Landscaping						
Fencing						
Guardrail						
Painting						
Signing		$ 7,605.00				
Cold Milling, Planning & Rotomilling						
Demolition		$ 253,460.00				
Pavement Markings (Paint)						
General	10,191,025.28	$ 2,583,586.12				
Totals	$ 51,853,226.91	$ 4,825,743.12				

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	11	12	13	14	15
Subcontractor	METROMEX	BRYAN			
Type of Work	ASPHALT	ENVIRONMENTAL			
Subcontract Price	1,334,352.23	23,011.00			
Amount Uncompleted	1,334,352.23	23,011.00			
Subcontractor	ANDERSON	INDUSTRIAL FENCE			
Type of Work	CONCRETE PUMP	FENCING			
Subcontract Price	45,000.00	207,962.00			
Amount Uncompleted	45,000.00	207,962.00			
Subcontractor	TOUGH CUTS	D2K			
Type of Work	CRUSH & GROOVE	TRAFFIC CONTROL			
Subcontract Price	183,302.00	309,189.00			
Amount Uncompleted	183,302.00	309,189.00			
Subcontractor	TBD	ELECTRIC CONDUIT CONSTRUCTION			
Type of Work	LIME	ELECTRICAL			
Subcontract Price	415,525.32	338,184.00			
Amount Uncompleted	415,525.32	338,184.00			
Subcontractor	TBD	DLZ			
Type of Work	PAINT	SURVEY			
Subcontract Price	579,045.60	41,100.00			
Amount Uncompleted	579,045.60	41,100.00			
Subcontractor	TBD	NATURAL CREATIONS			
Type of Work	SAW & SEAL	LANDSCAPING			
Subcontract Price	31,153.87	159,640.00			
Amount Uncompleted	31,153.87	159,640.00			
Subcontractor	TBD	METROMEX			
Type of Work	SEWER CLEANING	PAVING			
Subcontract Price	6,650.00	1,623,942.00			
Amount Uncompleted	6,650.00	1,623,942.00			
Subcontractor	SIGNAGE	TERRA			
Type of Work	S&J	SOIL NAIL			
Subcontract Price	538,012.55	254,800.00			
Amount Uncompleted	538,012.55	254,800.00			
Subcontractor	METROPOLTIAN	HOMER			
Type of Work	ERECT STR STEEL	TREE REMOVAL			
Subcontract Price	7,700,000.00	6,260.00			
Amount Uncompleted	7,700,000.00	6,260.00			
Subcontractor	MARKING SPL	JAVELINA			
Type of Work	PAVT MARKINGS	MILLING			
Subcontract Price	45,046.40	27,813.00			
Amount Uncompleted	45,046.40	27,813.00			

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	11	12	13	14	15
Subcontractor	TBD	MARTINEZ			
Type of Work	VIBRATION	SEWER			
Subcontract Price	20,000.00	865,942.00			
Amount Uncompleted	20,000.00	865,942.00			
Subcontractor	MA REBAR	LJ KEEFE			
Type of Work	REBAR	SEWER BORE			
Subcontract Price	5,000,000.00	375,130.00			
Amount Uncompleted	5,000,000.00	375,130.00			
Subcontractor	JLA & SONS	AC IRON			
Type of Work	SEWER	REBAR			
Subcontract Price	2,984,299.00	45,217.00			
Amount Uncompleted	2,984,299.00	45,217.00			
Subcontractor	TCP	DIVINE			
Type of Work	MOT	FLATWORK			
Subcontract Price	121,182.75	114,748.00			
Amount Uncompleted	121,182.75	114,748.00			
Subcontractor	DIVINE CEMENT	ATLANTIC			
Type of Work	CONCRETE	PAINTING			
Subcontract Price	3,329,288.75	14,500.00			
Amount Uncompleted	3,329,288.75	14,500.00			
Subcontractor	STALWORTH				
Type of Work	DRILLED SHAFTS				
Subcontract Price	2,681,144.00				
Amount Uncompleted	2,681,144.00				
Subcontractor	IFI				
Type of Work	FENCE & GRDRAIL				
Subcontract Price	481,659.71				
Amount Uncompleted	481,659.71				
Subcontractor	ECC				
Type of Work	ELECTRICAL				
Subcontract Price	2,877,653.00				
Amount Uncompleted	2,877,653.00				
Subcontractor	BRYAN				
Type of Work	ENVIRONMENTAL				
Subcontract Price	158,010.00				
Amount Uncompleted	158,010.00				
Subcontractor	NATRUAL CREATIONS				
Type of Work	LANDSCAPING				
Subcontract Price	2,481,043.14				
Amount Uncompleted	2,481,043.14				

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	11	12	13	14	15
Subcontractor	TBD				
Type of Work	SHAFT TESTING				
Subcontract Price	117,000.00				
Amount Uncompleted	117,000.00				
Subcontractor	TBD				
Type of Work	DIAMOND GRIND				
Subcontract Price	165,163.70				
Amount Uncompleted	165,163.70				
Subcontractor	TBD				
Type of Work	HYDRO EX				
Subcontract Price	150,000.00				
Amount Uncompleted	150,000.00				
Subcontractor	TBD				
Type of Work	BITIM. SPRAY				
Subcontract Price	35,310.00				
Amount Uncompleted	35,310.00				
Subcontractor	TBD				
Type of Work	ABESTOS REMOVAL				
Subcontract Price	20,000.00				
Amount Uncompleted	20,000.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Totals 11-15	31,499,842.02	4,407,438.00			

Illinois State Toll Highway Authority

SPECIAL PROVISION

FOR

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION

1. POLICY STATEMENT

It is the policy of the Illinois State Toll Highway Authority ("ISTHA" or "Tollway") that qualified and *bona fide* Disadvantaged Business Enterprises (DBEs), as that term is defined herein, have maximum feasible opportunities to participate fully in the performance of all contracts funded and administered by the Tollway. The Tollway seeks to ensure non-discrimination in the award and administration of its contracts and associated subcontracts and that it is not a passive participant in a discriminatory marketplace; to create a level playing field on which DBEs can compete fairly for its contracts; to ensure that its Special Provision is narrowly tailored in accordance with applicable law; to ensure that only firms that meet the eligibility standards are permitted to participate as DBEs; and to help to remove barriers to participation of DBEs in Tollway contracts and associated subcontracts.

Consistent with this policy, it is the responsibility of all contractors for general contracting work and a specific condition of all Tollway contracts to which they are parties to ensure full and fair opportunities for DBEs to compete in contracts funded and administered by the Tollway and to fully comply with this Special Provision.

2. DEFINITIONS

For the purposes of this Special Provision, the following terms shall have the following meanings:

Affiliate of a person or entity means a person or entity that directly or indirectly through one or more intermediaries, controls or is controlled by, or is under common control with, the person or entity. In determining Affiliation, the Tollway shall consider all appropriate factors, including common ownership, common management, and contractual relationships.

Broker means a person or entity that fills orders by purchasing or receiving supplies from a third-party supplier rather than out of its own existing inventory and provides no substantial service other than acting as a conduit between his or her supplier and his or her customer.

Commercially Useful Function means responsibility for the execution of a distinct element of the work of the contract, which is carried out by actually performing, managing, and supervising the work involved, or fulfilling responsibilities as a Joint Venture partner.

Contingency Work is the anticipated work within the scope of the project which is included in the project to cover the work of such an uncertain nature that the location or quantity could not be identified prior to awarding the contract.

Core Work is the anticipated work within the scope of the project which is included in the project to cover the work of such a nature that the location and estimated quantity could be identified prior to awarding the contract.

Disadvantaged Business Enterprise ("DBE") means a business currently certified by the Illinois Unified Certification Program ("ILUCP") pursuant to 49 C.F.R. Part 26, or a business currently certified by the City of Chicago, Illinois or the County of Cook, Illinois, as a Minority or Women-Owned Business ("M/WBE") pursuant to its M/WBE program for construction contracts, Art. IV, § 2-92-650, *et seq*, as amended, or a business currently certified by the U.S. Small Business Administration (SBA) pursuant to the Small Business Act as an SBA 8(a) business, owned and operated by a socially and economically disadvantaged person. A DBE is considered to have current certification if the firm is listed in the directory database of the pertinent certifying agency.

DBE Joint Venture means an association of two or more persons, or any combination of types of business enterprises and persons numbering two or more, proposing to perform as a single for profit business enterprise, in which each Joint Venture partner contributes property, capital, efforts, skill and knowledge, and in which the DBE is responsible for a distinct, clearly defined portion of the work of the project and whose share in the capital contribution, control, management, risks, and profits of the Joint Venture are equal to its ownership interest. Joint Ventures must have an agreement in writing specifying the terms and conditions of the relationships between the partners and their relationship, risks and responsibility under the contract.

DBE Utilization Plan means the list of currently certified DBEs that the Bidder commits will be utilized, including its own participation as a DBE, if applicable, in the scopes of the work and the dollar values or the percentages of the work to be performed pursuant to this solicitation and in conformance with this Special Provision.

Good Faith Efforts means actions undertaken by a contractor to achieve a DBE contract goal, which, by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the contract goal.

Mobilization means preparatory work and operations necessary for the movement of personnel, equipment and incidentals to the project site for the establishment of offices, buildings and other facilities necessary for work on the project and for all other work operations which must be performed, or costs incurred when beginning work on the project.

Regular Dealer means a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. To be a Regular Dealer, the firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question. A firm may be a Regular Dealer in such bulk items as petroleum products, steel, cement, gravel, stone, or asphalt without owning, operating, or maintaining a place of business if the firm both owns and operates distribution equipment for the products. Any supplementing of a Regular Dealer's distribution equipment shall be by a long-term lease agreement and not on an *ad hoc* or contract-by-contract basis. Packagers, manufacturer representatives, or other persons who arrange or expedite transactions are not Regular Dealers.

3. CONTRACTOR ASSURANCE

The contractor will assure that each of its employees and its subcontractors' employees associated with the contract shall not discriminate on the basis of any protected category identified by law in the performance of this contract. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the Tollway deems appropriate.

4. DBE CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR

This contract includes a specific DBE utilization goal of 33**%** of the Core Work of the contract. The goal reflects the estimated availability of DBEs to perform the scopes of work of this contract, including as a prime contractor. Consequently, in addition to the other award criteria established for this contract, ISTHA will award this contract to a Bidder who either meets this goal or who demonstrates its good faith efforts to do so. The participation of DBEs will be calculated on the amount of the Core Work, not Contingency Work identified in the bid documents. **The Contractor's DBE commitment will be assessed for any and all Extra Work Orders (EWO) and Change Orders (CO) at the time such orders are issued.**

5. DBE, M/WBE and SBA 8(a) LOCATOR REFERENCES

Bidders should consult the Illinois Unified Certification Program ("ILUCP") DBE Directory as a reference source for DBEs and the City of Chicago, the County of Cook M/WBE directories as reference sources for M/WBEs in construction certified by the City of Chicago or the County of Cook, or the Small Business Administration SBA 8(a) directory for SBA 8(a)s certified

by the Small Business Administration. Only firms certified by the IL-UCP, the City of Chicago, the County of Cook, or the Small Business Administration **at the time of bid opening** are eligible to be considered for contract award to either meet the contract goal or establish the Bidder's good faith efforts to do so.

These directories are to be used as an informational source only. Certification does not mean that a firm is in any way prequalified to provide the products and/or services in its certification specialty. "Certification" means that the ILUCP, the City of Chicago, the County of Cook, or the Small Business Administration has determined, on the basis of information provided and the representations therein, that a business is a *bona fide* DBE. The ILUCP, the City of Chicago, the County of Cook or the Small Business Administration does not, as a result of listing, make any representation concerning the ability of any listed firm to perform work in the specialty listed. The Tollway does not, through its use of and referral to ILUCP DBE, the City of Chicago, the County of Cook MBE/WBE, and the Small Business Administration SBA 8(a) lists, make any representation concerning the ability of any listed firm to perform work in its certification specialty. The Bidder must conduct its own due diligence regarding the capabilities of certified firms to perform the work of the contract.

6. BIDDING PROCEDURES

Compliance with the bidding procedures of this Special Provision is required as provided in this Special Provision prior to the award of the contract. The failure of the as-read low Bidder to comply will render the bid non-responsive.

6.1 Submission of the Disadvantaged Business DBE Utilization Plan, DBE Form 2026

A Bidder must submit a Disadvantaged Business DBE Utilization Plan on ISTHA DBE Form 2026 **with the bid submission**.

The only exception to this requirement is the case where a prime Bidder is also a DBE, is certified to perform a portion of the contract work as indicated on the DBE's Certification submitted at time of bid, and will meet the DBE goal via a self-performance requirement on the contract greater than or equal to the DBE goal for the contract. If the Bidder is a DBE Joint Venture, each Joint Venture partner must provide the attestation to the DBE Utilization Plan, Form 2026.

Otherwise, if the DBE Utilization Plan is not submitted at time of bid, then the bid will be deemed non-responsive. If the bid is deemed non-responsive due to a failure to submit a DBE Utilization Plan or failure to comply with the bidding procedures set forth herein, ISTHA may elect to cause the forfeiture of the penal sum of the Bidder's bid guaranty, and may deny authorization to bid the project if re-advertised for bids.

The DBE Utilization Plan shall indicate that the Bidder either has obtained sufficient DBE participation commitments to meet the contract goal or demonstrate and document its good faith efforts to meet the goal. The DBE Utilization Plan will also require the name of each DBE firm proposed for use on the contract along with a brief scope of work and dollar amount to be assigned to the DBE. The DBE Utilization Plan shall further provide the name, telephone number, and email address of a responsible official of the Bidder designated for purposes of notification of DBE Utilization Plan approval or disapproval under the procedures of this Special Provision.

Any agreement between a contractor and a DBE or other subcontractor in which the contractor requires that the DBE not provide subcontracting quotations to other contractors is prohibited.

6.2 Submission of the DBE Participation Commitment Statement, DBE Form 2025

The Utilization Plan must be supported by the submission of a detailed DBE Participation Commitment Statement, Form 2025, for each DBE proposed for the performance of work to achieve the contract goal. DBE Form 2025 should be submitted at the time of bid. There is a five (5) day cure period to provide complete and accurate information on the DBE Form 2025 by 5:00 p.m., on the fifth calendar day after bids are due.

The submission of DBE Form 2025 should be via email to constructionbid@getipass.com.

In no case should a contractor remove, replace, or reduce the commitment to a DBE listed in the initial Utilization Plan Form 2026 without prior written consent of ISTHA. Under no circumstances is the Bidder allowed to change the amount of the core bid submitted or any other documentation unrelated to this special provision.

The signatures on these forms must be original signatures. All elements of information indicated on Form 2025 must be provided, including but not limited to:

6.2.1 The name and address of each DBE to be used;

6.2.2 A full description, including pay item numbers for DBEs or associated pay items for trucking services, of the commercially useful function to be performed by each DBE. Descriptions such as "miscellaneous" and prices such as "lump sum" are not acceptable. Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time that those pay items have been confirmed as required work of the contract.

6.2.3 Direct Allowance items will not be approved toward DBE participation in the DBE Utilization Plan.

6.2.4 Mobilization costs should be included in the cost of the pay item for which it is associated rather than as a separate pay item on the DBE Utilization Plan, DBE Form 2025 for DBE subcontractors.

6.2.5 If the DBE is the Prime Contractor, the Mobilization pay item may be approved toward DBE participation in the DBE Utilization Plan.

6.2.6 The price to be paid to each DBE for the identified work, specifically stating the quantity, unit price and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, the Form must indicate the portion of each item, a unit price where appropriate and the subcontract price amount;

6.2.7 A commitment statement signed by the Bidder and each DBE evidencing availability and intent to perform a commercially useful function on the project; and

6.2.8 If the Bidder is a joint venture comprised of DBEs and non-DBEs, the Plan must also include a clear identification of the portion of the work to be performed by the DBE joint venture partner(s).

6.2.9 If the Bidder is unable to meet the goal, it must demonstrate it made good faith efforts to do so, as described in this Special Provision and detailed in section 6.6 below.

6.2.10 The contract will not be awarded until the DBE Utilization Plan, including if applicable, the bidder's good faith efforts to meet the goal, is approved by ISTHA. The DBE Utilization Plan will be approved if it demonstrates that DBEs will be used to perform a commercially useful function sufficient to meet the contract goal, or that the Bidder made sufficient good faith efforts, as defined in this Special Provision, to meet the goal.

6.3 Counting DBE Participation

The DBE Utilization Plan's DBE commitments represent work expected to be performed and paid for upon satisfactory completion. ISTHA is only able to count toward the achievement of the contract goal the value of payments made for the work actually performed by DBEs. The Tollway will count DBE participation, and the contractor will receive credit towards meeting the DBE contract goal, as follows:

6.3.1 The entire amount of that portion of work that the DBE is certified to perform, as indicated on the DBEs Letter of Certification, and that is performed by the DBE's own forces either as the contractor or a subcontractor shall be counted, including the cost of supplies and materials obtained by the DBE for the work of the contract, and supplies purchased or equipment leased by the DBE (except supplies and equipment the DBE purchases or leases from the prime contractor or the prime contractor's affiliate). **Work that the DBE subcontracts to a non-DBE does not count toward the DBE goal.**

6.3.2 The entire amount of fees or commissions charged by a DBE for providing a *bona fide* service, such as professional, technical, consultant or managerial services, or for providing bonds or insurance specifically required for the performance of a contract, shall be counted, provided the fee is reasonable and not excessive as compared with fees customarily charged for similar services.

6.3.3 One hundred percent of the cost of trucking services utilized on the contract shall be counted, provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed and insured by the DBE must be used on the contract. Credit will only be applied for trucking activity to and from the ISTHA job site. Credit will be given for the following: (1) the DBE may lease trucks from another DBE, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract. (2) The DBE may also lease trucks from a non-DBE, including from an owner-operator. Goal credit will be limited to the value of the reasonable fee or commission received by the DBE for trucks that are leased from a non-DBE.

6.3.4 When a DBE performs as a participant in a Joint Venture, only the portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work of the Joint Venture's contract that is performed by the DBE with its own forces and for which it is separately at risk, shall be counted. A Joint Venture may also count the dollar value of work subcontracted to DBEs other than the DBE Joint Venture partner(s). Work performed by the forces of the non-DBE joint venture partner shall not be counted toward the DBE goal. The Tollway will evaluate the Joint Venture agreement, which must be submitted with the DBE Utilization Plan, for conformance with this Special Provision and eligibility for credit towards meeting the goal. The agreement must describe in detail the financial contribution of each partner; the list of personnel and equipment contributed and used by each partner; the responsibilities of each partner for each aspect of the joint venture; if applicable, the bonding capacity of each partner; if applicable, the prequalification status of each partner; the basis and distribution of all profits and losses; and any other elements deemed relevant by the Tollway.

6.3.5 One hundred percent of the cost of the materials obtained from a DBE Manufacturer, as that term is defined in 49 C.F.R. § 26.55(e) shall be counted towards the DBE contract goal. Sixty-percent of the cost of the materials or supplies obtained from a DBE Regular Dealer or Supplier, as those terms are defined in 49 C.F.R. § 26.55(e), shall be counted towards the DBE contract goal. One hundred percent of the fees or transportation charges for the delivery of materials or supplies required on a job site shall be counted towards the DBE contract goal only if the payment of such fees is a customary industry practice and are commensurate with fees customarily charged for similar services.

6.3.6 One hundred percent credit will be counted towards the DBE contract goal for the value of fees and commissions for the procurement of materials and supplies if the DBE is not a regular dealer or manufacturer, provided such fees or commissions are determined by the Tollway in its sole discretion to be reasonable and not excessive as compared with fees customarily allowed for similar services. No portion of the cost of the materials or supplies themselves shall be counted towards the contract goals.

6.3.7 If a firm's certification is revoked by its certifying agency during its performance on a contract, the dollar value of work performed under this contract with that firm after it has ceased to be certified shall not be counted.

If a DBE graduates from its respective certification program, based upon exceeding the firm size or personal net worth limitations after this contract is awarded, the firm's participation will be counted towards meeting the goal on this contract.

In determining achievement of the contract goal, the participation of a DBE shall not be counted until that amount has been paid to the DBE.

6.4 Demonstrating Commercially Useful Function

Only expenditures to a DBE that is performing a Commercially Useful Function shall be counted. To determine whether a DBE is performing a Commercially Useful Function, the Tollway will evaluate the amount of work subcontracted, industry practices, whether the amount the DBE is to be paid under the contract is commensurate with the work it is actually performing and other relevant factors. A DBE performs a commercially useful function when it is responsible for the execution of the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved.

6.4.1 To perform a commercially useful function, the DBE must be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself.

6.4.2 A DBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation. In determining whether a DBE is such an extra participant, ISTHA will examine similar transactions, particularly those in which DBEs do not participate.

6.4.3 If a DBE does not perform or exercise responsibility for at least 30 percent of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved, ISTHA will presume that the DBE is not performing a commercially useful function. When a DBE is presumed not to be performing a commercially useful function as provided in this section, the DBE and the contractor may present evidence to rebut this presumption.

6.5 Extended Documentation Period for Low Apparent Bidders with a DBE Commitment Below the Advertised DBE Goal

Each contractor identified as the low Bidder who has a DBE commitment less than the advertised DBE goal shall be allowed, upon email notification from the Tollway, an extended documentation period which will extend until 5:00 pm CT on the second business day after the day the notification is sent (e.g. if a Bidder is notified on Monday, extended documentation period concludes on Wednesday at 5pm). The extended documentation period allows contractors solely to supplement their initial Utilization Plan to add DBE participation to meet the stated DBE participation goal or to demonstrate additional good faith efforts in obtaining DBE participation. The contractor may take other action beyond any stated additional efforts in order to obtain additional DBE commitments. The contractor shall submit an amended DBE Utilization Plan if additional DBE commitments to meet the contract goal are secured by the end of the extended documentation period. If additional DBE commitments sufficient to meet the advertised contract goal are not secured, the contractor shall report the final good faith efforts made during the extended documentation period along with a request for a waiver pursuant to section 6.6 of this section. All additional efforts taken by the Bidder before and during the extended documentation period will be considered as part of the Contractor's good faith efforts.

The extended documentation period is intended to allow contractors that have made a good faith effort to secure DBE participation an opportunity to meet the stated contract goal. contractors are expected to have utilized good faith efforts in compiling their initial DBE Utilization Plan, and the DBE participation indicated in the initial DBE Utilization Plan should reflect the participation the contractor could achieve through good faith efforts. The extended documentation period should not be used to secure significantly higher DBE participation only after being identified as the low Bidder. In no case should a contractor remove, replace or reduce the commitment to a DBE listed in the initial Utilization Plan without prior written consent of ISTHA. Under no circumstances is the Bidder allowed to change the amount of the core bid submitted or any other documentation unrelated to this special provision. When ISTHA determines that a contractor, either through a pattern of conduct or with respect to a single bid, has failed to discharge its good faith efforts obligations in this intended fashion, ISTHA, in its discretion, may reject the bid outright without allowing the Bidder to take advantage of the extended documentation period.

6.6 Good Faith Efforts Procedures

If the bidder cannot obtain sufficient DBE commitments to meet the contract goal, the Bidder must document in the DBE Utilization Plan its good faith efforts to meet the goal, including any DBE participation secured as detailed in Form(s) 2025, using the Good Faith Efforts Contact Log and Checklist, DBE Form 2023. If the DBE contract goal was not achieved by a Bidder, the Bidder must submit its good faith efforts documentation, including the DBE Form 2023. Documentation submitted after bid opening, except as provided for in Section 6.5 above, will not be accepted or reviewed.

Demonstrating good faith efforts means that the Bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those that could reasonably be expected to obtain sufficient DBE participation. ISTHA will consider the quality, quantity and intensity of the kinds of efforts that the Bidder has made. Mere *pro forma* efforts are not good faith efforts; rather, the Bidder is expected to have taken those efforts that would be reasonably expected of a Bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

If ISTHA determines that the contractor has made a good faith effort to secure the work commitment of DBEs to meet the contract goal, ISTHA will award the contract provided that the Bidder is otherwise eligible for award and award is in the Tollway's best interest.

The following is a list of types of action that ISTHA will consider as part of the evaluation of the Bidder's good faith efforts to obtain DBE participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of ISTHA may be relevant in appropriate cases, and will be considered by ISTHA.

6.6.1 Soliciting through all reasonable and available means (*e.g.*, attendance at DBE Networking Sessions sponsored by ISTHA, pre-bid meetings, advertising and/or written notices) the interest of all DBEs that have the capability to perform the work of the contract. A list of certified DBEs in the trades considered to determine the contract goal may be provided by the Tollway, but should not be considered exhaustive, and other firms may be available for solicitation by the Bidder. The Bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation, but in any event, no later than five (5) calendar days prior to the bid submission date. At least two methods of solicitation of DBEs must be used (*e.g.*, email and fax). The Bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow- up initial solicitations.

6.6.2 Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goal will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.

6.6.3 Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

6.6.4 Negotiating in good faith with interested DBEs.

6.6.4.1 Making a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, e mail address and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.

6.6.4.2 A Bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as

contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a Bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the Bidder of the responsibility to make good faith efforts. Prime contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

6.6.5 DBEs may not be rejected as being unqualified without sound reasons based on a thorough investigation of their capabilities. The contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations are not legitimate causes for the rejection or non-solicitation of bids in the contractor's efforts to meet the contract goal.

6.6.6 Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the Tollway or the contractor.

6.6.7 Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

6.6.8 Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.

In determining whether a Bidder made good faith efforts, ISTHA may take into account the performance of other Bidders in meeting the contract goal or of Bidders in meeting the goal on contracts of a similar nature. For example, when the apparent successful Bidder fails to meet the contract goal, but others meet it, ISTHA will review whether, with additional reasonable efforts, the apparent successful Bidder could have met the goal. If the apparent successful Bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other Bidders, ISTHA may view this, in conjunction with other factors, as evidence of the apparent successful Bidder having made good faith efforts.

A Bidder that rejected a DBE based on price must provide to ISTHA all quotes received for the scope of work proposed by the DBE from all firms, including non-DBEs.

The Bidder may request administrative reconsideration of a pre-final determination on its DBE Utilization Plan adverse to the Bidder by filing a request within five (5) working days after the notification date of the determination, by delivering the request to the Illinois State Toll Highway Authority, Diversity and Strategic Development Department, 2700 Ogden Avenue, Downers Grove, Illinois 60515-1703, DBE@getipass.com, (630) 241-6800 ext. 3204. Submission via e-mail is acceptable. Deposit of the request in the United States mail on or before the fifth business day shall not be deemed timely delivery. The pre-final determination shall become final if a request is not received within the five-day period.

A request may provide additional written documentation and/or argument concerning the issue of whether an adequate good faith effort was made to meet the contract goal. In addition, the request shall be considered consent by the Bidder to extend the time for award. The request will be forwarded to ISTHA's Chief of Diversity and Strategic Development. The Chief of Diversity and Strategic Development may extend an opportunity to the Bidder to meet in person in order to consider all issues of whether the Bidder made a good faith effort to meet the goal. Such meeting shall extend the time for a decision. After the review by the Chief of Diversity and Strategic Development, the Bidder will be sent a written decision within ten (10) working days after receipt of the request for reconsideration or the date of the meeting, explaining the basis for finding that the Bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Chief of Diversity and Strategic Development that a good faith effort was made shall approve the DBE Utilization Plan submitted by the Bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid non-responsive. The administrative

reconsideration procedures described in this section are not intended to allow a Bidder to have an additional opportunity to submit a new DBE Utilization Plan or evidence of additional good faith efforts performed after bid submission.

7. CONTRACT COMPLIANCE

7.1 Forms to be Submitted

All work indicated for performance by an approved DBE shall be performed, managed and supervised by the DBE executing the DBE Form 2025 - Participation Statement.

To receive a notice to proceed, the contractor must submit for the Tollway's review signed subcontracts with all DBEs proposed to meet the goal within twenty (20) calendar days of award.

A contractor that seeks credit for the use of DBE trucking services must submit an affidavit attesting to compliance with this Special Provision for counting trucking costs on Form 2024. Form 2024 must be submitted when the contract is 25 percent, 50 percent, 75 percent and 100 percent completed. The contractor must issue separate checks to trucking firms for each Tollway project by job number and associated pay item, and may not include multiple contracts on one payment.

7.2 Changes to the DBE Utilization Plan

The contractor may not make changes to its contractual DBE commitments, substitute a DBE subcontractor or make any other changes to the DBE Utilization Plan without the prior written approval of the Tollway's Diversity and Strategic Development Department. Unauthorized changes or substitutions, including performing the work designated for a subcontractor with the contractor's own forces, shall be a violation of this Special Provision and a breach of the contract.

If a Change Order or Extra Work order is issued by the Tollway or Contingency Work is authorized, the contractor, in ISTHA's discretion, may be required to amend its DBE Utilization Plan to reflect the recalculated DBE dollars and any percentage change in the goal. The DBE contract goal may change in the Tollway's discretion to reflect a Change Order or Extra Work Order or the authorization of Contingency Work.

The facts supporting the request for changes to the DBE Utilization Plan must not have been known or reasonably could not have been known by the parties prior to entering into the subcontract. The contractor must negotiate in good faith with the subcontractor to resolve the problem. If requested by either party, the Tollway shall facilitate such a meeting. Where there has been a mistake or disagreement about the scope of work, the DBE can be substituted only where agreement cannot be reached for a reasonable price or reasonable schedule for the correct scope of work.

Substitutions of a DBE subcontractor shall be permitted only under the following circumstances:

7.2.1 Unavailability after receipt of reasonable notice to proceed;

7.2.2 Failure of performance;

7.2.3 Financial incapacity;

7.2.4 Refusal by the subcontractor to honor the bid or bid price or scope or schedule;

7.2.5 Material mistake of fact or law about the elements of the scope of work of a solicitation where a reasonable price cannot be agreed;

7.2.6 Failure of the subcontractor to meet insurance, licensing or bonding requirements;

7.2.7 The subcontractor's withdrawal of its bid or bid; or

7.2.8 Decertification of the subcontractor as a DBE, other than on the basis of its exceeding firm size or personal net worth limits.

If it becomes necessary to substitute a DBE or otherwise change the DBE Utilization Plan, the contractor must notify the Diversity and Strategic Development Department in writing of the request to substitute a DBE or otherwise change the DBE Utilization Plan. The request must state specific reasons for the substitution or change. A letter from the DBE to be substituted or affected by the change stating that it cannot perform on the contract or that it agrees with the change in its scope of work must be submitted with the request. Any refusal by the DBE to provide such a letter must be documented by the contractor. The Diversity and Strategic Development Department will approve or deny a request for substitution or other change in the DBE Utilization Plan in writing within five (5) working days of receipt of the request.

Where the contractor has established the basis for the substitution to the Tollway's satisfaction, it must make good faith efforts to meet the contract goal by substituting a DBE subcontractor. Documentation of a replacement DBE, or of good faith efforts, must meet the requirements in Section 6.6 If the contract goal cannot be reached and good faith efforts have been made, the contractor may substitute with a non-DBE.

If the contractor plans to hire a subcontractor for any scope of work that was not previously disclosed in the DBE Utilization Plan, the contractor must obtain the approval of the Diversity and Strategic Development Department to modify the DBE Utilization Plan and must make good faith efforts to ensure that DBEs have a fair opportunity to bid on the new scope of work.

A new subcontract, a new Form 2025 for the substituted DBE (if applicable) and an amended DBE Utilization Plan must be executed and submitted to the Diversity and Strategic Development Department within five (5) working days of the contractor's receipt of the Tollway's approval for the substitution or other change.

7.3 The submission of the DBE Payment Report

DBE Payment reporting, in such form or format as specified by the Tollway, must be submitted as specified in the Diversity Payment Reporting Instructions posted on the Tollway's website.

The contractor shall maintain a record of payments to DBEs and all other subcontractors and suppliers for work performed. The records shall be made available to ISTHA for inspection and copying upon request. After the performance of the final item of work or delivery of material by a DBE and final payment to the DBE by the contractor, but not later than thirty (30) calendar days after payment has been made by ISTHA to the Contractor for such work or material, the contractor shall submit a DBE Final Payment Report on ISTHA DBE Form 2115, or such other form or format as specified by the Tollway, to the Construction Manager. If full and final payment has not been made to the DBE, the Report shall indicate whether a disagreement concerning the final payment exists between the contractor and the DBE or if the contractor believes that the DBE's work has not been satisfactorily completed.

ISTHA reserves the right to withhold payment to the contractor to enforce the provisions of this Special Provision. Final payment, including retention, shall not be made on the contract until such time as the contractor submits DBE Form 2115, or such other form or format as specified by the Tollway, in accordance with this Special Provision or as otherwise directed by the Tollway.

8. SANCTIONS

The Tollway will periodically review the contractor's compliance with this Special Provision and the terms of its contract with the contractor, including the DBE Utilization Plan. Without limitation, the contractor's failure to comply with this Special Provision or its DBE Utilization Plan, failure to cooperate in providing information regarding its compliance with this Special Provision or its DBE Utilization Plan, or provision of false or misleading information or statements concerning compliance, certification status of DBEs, good faith efforts or any other material fact or representation shall constitute a material breach of this contract and may result in damages to the Tollway. Such breach or damages entitle the Tollway

to declare a default, terminate the contract, impose liquidated damages or exercise those remedies provided for in the contract or at law or in equity.

Sanctions may include, but are not limited to, monetary sanctions, including non-release of retainage; the monetary cost of audits resulting in findings of noncompliance; damages based on the damage to the Tollway from the contractor's lack of good faith efforts and failure to meet the other requirements of this Special Provision in an amount up to the monetary difference between the amount committed to by the contractor in its DBE Utilization Plan and the amount actually paid to DBEs; deeming the contractor non-responsible with respect to future business with the Tollway; and any other sanctions as are permitted by law.

In imposing sanctions, the Tollway will consider the *bona fide* efforts of the contractor to meet the DBE goal, its history of good faith efforts on other Tollway contracts, the size of the contract, the degree to which the contractor fell below the DBE goal, and other factors deemed relevant by the Tollway.

The contractor may appeal the decision to impose sanctions within five (5) working days of its receipt of the written decision by filing an appeal in hard copy or electronic format with the Illinois State Toll Highway Authority's Sanctions Committee. Actual delivery of the hard copy and electronic formats within the five (5) business days is required and mere posting by mail within that period is not sufficient. An appeal may provide additional documentation and/or arguments and request an oral presentation to the Tollway's Sanctions Committee. The Tollway's Sanctions Committee shall notify the contractor in writing of the final determination and the basis for the determination within ten (10) working days after receipt of the appeal or after the date of the oral presentation by the contractor, whichever is later. The contractor may appeal an adverse decision within five (5) working days of receipt of the final determination to the Executive Director by filing an appeal in hard copy and electronic format to the Illinois State Toll Highway Authority, Executive Director, 2700 Ogden Avenue, Downers Grove, Illinois 60515-1703, DBE@getipass.com. The Executive Director or his/her designee, which designee shall not be employed within the Tollway's Diversity Department, may solicit information from the contractor, the Diversity and Strategic Development Department, the Chief of Diversity and Strategic Development, the Law Department, Internal Audit, the Procurement Department, and anyone else in his/her discretion, and shall render a final decision on the contractor's appeal within thirty (30) calendar days

9. INACCURATE OR FRAUDULENT REPORTING

The contractor has a duty to accurately report information pursuant to this Special Provision. A contractor who fails to supply accurate information is subject to sanctions imposed by the Tollway. A contractor who intentionally supplies inaccurate information may be subject to civil and/or criminal sanctions.

10. OTHER REGULATIONS

The adherence to the DBE goal does not abrogate other responsibilities of the contractor to comply with affirmative action requirements under federal or state law, municipal ordinance, prevailing government regulations or terms contained elsewhere in the contract.

Date: 6/5/2020

To: Contact Name: Shamik Amin
Contractor Company Name: Judlau Contracting, Inc.

From Tamela Reed-McClinton
DBE Project Specialist

Please note in accordance with the Procurement code (30 ILCS 500), section 50-11 prohibits a person from entering into a contract with a State agency, or entering into a sub-contract, if it, or any affiliate, is delinquent in the payment of any debt to the State, unless the person or affiliate has entered into a deferred payment plan to pay off the debt. (Procurement reform bill can be referenced on the Illinois Tollway website)

Subject: **DBE Plan Review** **Date Original Plan Submitted:** 6/5/2020 **Revision #** 0

Contract # I-17-4339 **Established DBE Goal:** 33.00 %

Contract Description: Elgin O'Hare West Access Tollway(I-490) Roadway and Bridge Widening and Reconstruction

[X] Contractor's plan as submitted meets the established DBE goal for this contract

Notes:

DBE Plan as Submitted by apparent low bidder:

Core Bid Amount **$143,309,098.56**

D/M/WBE Firm Name	Status (SB/Sup/TK)	Type	Scope	Contract Amount	Credit Amount	Credit %	Certifying Agency	Gender	Ethnicity
Araiza Corporation	SB	D/MBE	Protective Shield/Barrier	$5,308,413.00	$5,308,413.00	3.70 %	IDOT	M	Hispanic
Atlantic Painting Co.	SB	D/WBE	Painting	$1,504,029.00	$1,504,029.00	1.04 %	City of Chicago	F	Caucasian
Bryan Environmental Consultants, Inc.	SB	WBE	Soil/Waist Disposal	$241,620.00	$241,620.00	0.16 %	City of Chicago	F	Caucasian
C3 Corporation	SB	D/WBE	Survey	$467,000.00	$467,000.00	0.32 %	IDOT	F	Caucasian
Divine Cement Inc.	SB	D/MBE	Concrete	$6,839,714.00	$6,839,714.00	4.77 %	City of Chicago	M	African American
E King Construction Co., Inc.	Trucker	WBE	Hauling	$1,204,000.00	$1,204,000.00	0.84 %	City of Chicago	F	African American
Great Lakes Metals Corporation	Supplier	D/WBE	Pile Supply	$3,173,706.00	$1,904,223.60	1.32 %	City of Chicago	F	Caucasian
Laredo Systems	SB	DBE	Silt Fence	$1,599,850.00	$1,599,850.00	1.11 %	IDOT	M	Hispanic
Lyons View Manufacturer and Supply	Supplier	D/MBE	Electrical Supply	$405,464.00	$243,278.40	0.16 %	City of Chicago	M	African American
MA Rebar Services, Inc.	SB	D/WBE	Rebar Furnish & Erect	$10,012,425.00	$10,012,425.00	6.98 %	IDOT	F	Caucasian
Marking Specialists Corporation	SB	D/MBE	Pavement Marking	$109,604.00	$109,604.00	0.07 %	City of Chicago	M	Hispanic
MIDCO Electric Supply, Inc.	Supplier	D/WBE	Electrical Supplier	$409,109.60	$245,465.76	0.17 %	City of Chicago	F	Caucasian
Nace Trucking, Inc.	Trucker	DBE	Hauling	$1,900,000.00	$1,900,000.00	1.32 %	IDOT	M	Hispanic
S & J Construction Co., Inc.	SB	D/WBE	Erect	$8,631,496.00	$8,631,496.00	6.02 %	City of Chicago	F	Caucasian
Torres Electrical Contractor's, LLC	SB	DBE	Electrical Suppier	$1,145,340.39	$1,145,340.39	0.79 %	IDOT	M	Hispanic
Truck King Hauling Contractors, Inc.	Trucker	D/MBE	Hauling	$1,366,000.00	$1,366,000.00	0.95 %	City of Chicago	M	Hispanic

Viridian Enterprises, Inc.	SB	DBE	Strom Sewer	$5,650,719.00	$5,650,719.00	3.94 %	IDOT	M	Hispanic
Total # of subcontracts: 17			**TOTAL**	**$49,968,489.99**	**$48,373,178.15**	**33.75 %**			
Total # of subcontractors: 17			**Total %**	**34.86 %**	**33.75 %**				

ILLINOIS STATE TOLL HIGHWAY AUTHORITY
DBE FORM 2026 - UTILIZATION PLAN

PRIME CONTRACTOR: Judlau Contracting, Inc.
CONTACT NAME: Shamik Amin
CONTACT PHONE NUMBER: 630-387-6040
CONTACT E-MAIL: shamik.amin@ohlna.com

CONTRACT NUMBER I-17-4339

Check one:

☒ Contractor will meet or exceed the DBE Contract Goal and will provide Disadvantaged Business Participation as presented below.

☐ Contractor will meet or exceed the DBE Contract Goal because PRIME BIDDER IS A DBE.

☐ Contractor requests a waiver of the DBE Contract Goal.

The Bidder is requesting the contract Goal be accordingly modified or waived. Attached is all information required by the Special Provision in support of this request, including Good Faith Efforts - Form 2023.

DOLLAR AMOUNT OF WAIVER REQUEST: _____

PERCENTAGE OF WAIVER REQUEST: _____

Instructions to Bidders:

1. Bidders are required to comply with the Special Provision.
2. Submit only one DBE Utilization Plan for each Project.
3. This Utilization Plan, Form 2026 must:
   –be submitted with the bid or the bid may be deemed non-responsive
   –be an accurate representation of work and pricing agreed upon between the prime and the DBE firm prior to bid submission
4. The Participation Statement(s) (DBE Form 2025), with original signatures, pay item description and pricing are to be submitted to Tollway Diversity at constructionbid@getipass.com by 5 p.m. on the fifth calendar day after notification to the prime by the Tollway of apparent low Bidder status
5. Each company listed on the Utilization Plan and subsequent Participation Statement must be listed in a certifying agency's database as stipulated in the Special Provision at the time of bid submission to be considered acceptable for DBE credit
6. In no case should a Contractor remove, replace or reduce the commitment to a DBE listed in the initial Utilization Plan on the Participation Statement without prior written consent of ISTHA. Under no circumstances is the Bidder allowed to change the amount of the core bid submitted or any other documentation unrelated to this special provision.

DBE UTILIZATION PLAN

DBE Firm Name	Scope of Work Brief description of overall work to be performed	DBE - Amount ($) If supplier, enter 60% credit amount.
Great Lakes Metals	Pile Supply	1,904,223.60
Divine Cement	Concrete	6,839,713.80
Bryan	Environmental	241,620.00
Atlantic	Painting	1,504,028.65
Araiza	Concrete	5,308,412.60
Laredo	Landscaping	1,599,849.88
C3	Survey	467,000.00
Marking Specialists	Pavement Marking	109,603.64
MA Rebar	Rebar Furn & Erect	10,012,475.00
S&J Construction	Signs	2,087,948.25
Viridian Enterprises	Sewer	5,650,718.85
	TOTAL	See Page 2

For ebid: the submission of Form 2026 constitutes signature of this form.
For hardcopy: signature required.
Form 2026 - 03/2018

[redacted]
Signature

ILLINOIS STATE TOLL HIGHWAY AUTHORITY
DBE FORM 2026 - UTILIZATION PLAN

PRIME CONTRACTOR: Judlau Contracting, Inc.
CONTACT NAME: Shamik Amin
CONTACT PHONE NUMBER: 630-387-6040
CONTACT E-MAIL: shamik.amin@ohlna.com

CONTRACT NUMBER I-17-4339

Check one:

☒ Contractor will meet or exceed the DBE Contract Goal and will provide Disadvantaged Business Participation as presented below.

☐ Contractor will meet or exceed the DBE Contract Goal because PRIME BIDDER IS A DBE.

☐ Contractor requests a waiver of the DBE Contract Goal.

The Bidder is requesting the contract Goal be accordingly modified or waived. Attached is all information required by the Special Provision in support of this request, including Good Faith Efforts - Form 2023.

DOLLAR AMOUNT OF WAIVER REQUEST: _____

PERCENTAGE OF WAIVER REQUEST: _____

Instructions to Bidders:

1. Bidders are required to comply with the Special Provision.
2. Submit only one DBE Utilization Plan for each Project.
3. This Utilization Plan, Form 2026 must:
   --be submitted with the bid or the bid may be deemed non-responsive
   --be an accurate representation of work and pricing agreed upon between the prime and the DBE firm prior to bid submission
4. The Participation Statement(s) (DBE Form 2025), with original signatures, pay item description and pricing are to be submitted to Tollway Diversity at constructionbid@getipass.com by 5 p.m. on the fifth calendar day after notification to the prime by the Tollway of apparent low Bidder status
5. Each company listed on the Utilization Plan and subsequent Participation Statement must be listed in a certifying agency's database as stipulated in the Special Provision at the time of bid submission to be considered acceptable for DBE credit
6. In no case should a Contractor remove, replace or reduce the commitment to a DBE listed in the initial Utilization Plan on the Participation Statement without prior written consent of ISTHA. Under no circumstances is the Bidder allowed to change the amount of the core bid submitted or any other documentation unrelated to this special provision.

DBE UTILIZATION PLAN

DBE Firm Name	Scope of Work Brief description of overall work to be performed	DBE - Amount ($) If supplier, enter 60% credit amount.
NACE Trucking	Hauling	1,900,000.00
Truck King	Hauling	1,366,000.00
E King	Hauling	1,204,000.00
Midco	Electrical Supply	245,465.76
Torres	Electrical	1,145,340.39
Lyons View	Electrical Supply	243,278.40
S&J Construction	Erect	6,543,548.00
	TOTAL	$48,373,226.82

For ebid: the submission of Form 2026 constitutes signature of this form.
For hardcopy: signature required.
Form 2026 - 03/2018

[redacted]
Signature

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	Araiza Corporation
CIRCLE ALL THAT APPLY:	(DBE) (MBE) WBE SBA 8(A)

CHECK ALL THAT APPLY:						
PRIME ____	JV PARTNER ____	SUBCONTRACTOR ____X____	TRUCKER ____	SUPPLIER ____	MANUFACTURER ____	

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
Varies	See our attached proposal for our pay items Conc					3,750,380.50
	WALLS					1,558,032.10
						5,308,412.60
	TOTALS FOR THIS DBE FIRM:					~~3,750,380.50~~

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance Items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] ESTIMATOR 6/5/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin
Firm Name: Judlau Contracting, Inc.
E-mail: shamik.amin@ohlna.com
Phone: 630-387-6040
Address: 1011 Warrenville Rd #195 Lisle, IL 60532

[redacted] Vice President

Signature for DBE Contractor — Title — Date

Contact: Adriel Araiza
Firm Name: Araiza Corporation
E-mail: info@araizacorp.com
Phone: 708-922-2683
Address: 4841 West 173rd St., Country Club Hills, IL 60478

ARAIZA CORPORATION

MBE / DBE / IDOT Subcontractor Registration #12259
4841 West 173rd Street
Country Club Hills, Illinois 60478
Tel: 708-922-2683
Fax: 708-922-2684
E-Mail: dbloom@araizacorp.com
Adriel@araizacorp.com

June 04, 2020

PROPOSAL 20-066

Pre-qualified Contractors
Attn: Estimating Department

ISTHA Elgin O'Hare Contract #: I-17-4339
Roadway & Bridge Widening & Reconstruction

To Whom It May Concern,

Araiza Corporation is pleased to offer a quotation for the scope of work as listed below for the above-mentioned project. We aeknowledge addendums 1 – 3.

Item	Description	UM	QTY	UP	Total
	Barrier Wall				
JI637014	CONC BAR, DF, VARIABLE HEIGHT	LF	558.0	$180.00	$100,440.00
JI637017	CONC BARRIER BASE (SPECIAL)	LF	117.0	$157.00	$18,369.00
JI637030	CONC BAR, SF, REINFORCED, 42 IN	LF	2272.0	$124.00	$281,728.00
JI637032	CONC BAR BASE FOR SF BAR, REINF, 42 IN	LF	2272.0	$87.00	$197,664.00
JI637034	CONC BAR, SF, REINF, 42 IN (SPECIAL)	LF	5454.0	$79.50	$433,593.00
JI637036	CONC BAR BSE FOR SF BAR, REINF, 42 IN (SPL)	LF	5454.0	$81.00	$441,774.00
JI637050	CONCRETE BARRIER BASE, 5'	LF	315.0	$66.50	$20,947.50
JI637056	CONC BAR BSE,VARIABLE HEIGHT, 7'	LF	243.0	$136.20	$33,096.60
JI637060	CONC BAR TRANSITION, SPECIAL	LF	117.0	$260.00	$30,420.00
	TOTAL BARRIER WALL				**$1,558,032.10**

Note: All reinforcement for the barrier wall to be furnished and installed by others.

ARAIZA CORPORATION

MBE / DBE / IDOT Subcontractor Registration #12259
4841 West 173rd Street
Country Club Hills, Illinois 60478
Tel: 708-922-2683
Fax: 708-922-2684
E-Mail: dbloom@araizacorp.com
Adriel@araizacorp.com

Sincerely,

[redacted]

Senior Project Manager

We Exclude the Following:

- Dewatering, Concrete Testing, Slump Tests, Cylinder Testing, Etc…all testing and inspection to be performed by others
- Structural Calculations, Surveying, Layout, Demolition, or Removals (Unless noted otherwise)
- We require access for our vehicles, machines, and supply trucks.
- Items not specifically noted as included
- Traffic Control and Protection or Permits of any kind
- Overtime or accelerated work schedules due to fault of others than Araiza Corporation
- Any furnish or placement of granular fill or sub-base (Unless noted)
- Any grading, except for fine grade (done once before concrete is poured) (For Concrete Only Items)
- Caulking or joint sealants or preparation thereof
- Winter/Summer protection or winter/summer cooling concrete service
- Bond add 3.5% if bond is required
- Sales Tax
- Payment Terms Net 30 days
- Quotation is valid for 30 days / Zero Retention Held

ARAIZA CORPORATION

MBE / DBE / IDOT Subcontractor Registration #12259
4841 West 173rd Street
Country Club Hills, Illinois 60478
Tel: 708-922-2683
Fax: 708-922-2684
E-Mail: dbloom@araizacorp.com
Adriel@araizacorp.com

June 04, 2020

PROPOSAL 20-066

Pre-qualified Contractors
Attn: Estimating Department

ISTHA Elgin O'Hare Contract #: I-17-4339
Roadway & Bridge Widening & Reconstruction

To Whom It May Concern,

Araiza Corporation is pleased to offer a quotation for the scope of work as listed below for the above-mentioned project. We acknowledge addendums 1 – 3.

Item	Description	UM	QTY	UP	Total
	Misc Items				
50157300	Protective Shield	SY	15482.0	$51.00	$789,582.00
50157300	Protective Shield (Incidental)	SY	3750.0	$51.00	$191,250.00
59100100	GEOCOMPOSITE WALL DRAIN	SY	2056.0	$19.60	$40,297.60
JI420040	BRIDGE APPROACH SLAB	SY	2242.0	$121.50	$272,403.00
JI420041	TRANSITION APPROACH SLAB	SY	5289.0	$104.00	$550,056.00
JI420046	TRANS APPROACH SHOULDER SLAB	SY	364.0	$114.70	$41,750.80
JI503020	HIGH PERF CONC MOMENT SLAB (POUR & FINISH ONLY)	CY	7401.1	$245.00	$1,813,269.50
JI642030	MOMENT SLAB RUMBLE STRIP (STAMPED)	LF	7092.0	$7.30	$51,771.60
	MISC ITEMS TOTAL				**$3,750,380.50**

Note: All reinforcement for the approach slabs, moment slabs, sleeper slab to be furnished and installed by others.

ARAIZA CORPORATION

MBE / DBE / IDOT Subcontractor Registration #12259
4841 West 173rd Street
Country Club Hills, Illinois 60478
Tel: 708-922-2683
Fax: 708-922-2684
E-Mail: dbloom@araizacorp.com
Adriel@araizacorp.com

Sincerely,

[redacted]

Senior Project Manager

We Exclude the Following:

- Dewatering, Concrete Testing, Slump Tests, Cylinder Testing, Etc... all testing and inspection to be performed by others
- Structural Calculations, Surveying, Layout, Demolition, or Removals (Unless noted otherwise)
- We require access for our vehicles, machines, and supply trucks.
- Items not specifically noted as included
- Traffic Control and Protection or Permits of any kind
- Overtime or accelerated work schedules due to fault of others than Araiza Corporation
- Any furnish or placement of granular fill or sub-base (Unless noted)
- Any grading, except for fine grade (done once before concrete is poured) (For Concrete Only Items)
- Caulking or joint sealants or preparation thereof
- Winter/Summer protection or winter/summer cooling concrete service
- Bond add 3.5% if bond is required
- Sales Tax
- Payment Terms Net 30 days
- Quotation is valid for 30 days / Zero Retention Held

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Araiza Corporation
Tirso Araiza
4841 West 173rd Street
Country Club Hills, IL
60478-0000

Email: info@araizacorp.com
Phone: 708-922-2683
Fax: 708-922-2684

County: Cook

Categories: Construction, Miscellaneous, Professional

NAICS	Speciality
237310 - Highway, Street, and Bridge Construction	NAICS 237310 Highway, Street and Bridge Construction NAICS 238110 Poured Concrete Foundation and Structure, Contractors NAICS 238990 Curb and gutter construction, residential and commercial driveway and parking area, concrete NAICS 541620 Environmental consulting services
238110 - Poured Concrete Foundation and Structure Contractors	
238990 - Curb and gutter construction, residential and commercial driveway and parking area, concrete	
541620 - Environmental consulting services	

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Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	LAREDO SYSTEMS
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR __X__ TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR: TIER 1 (SUB TO PRIME): (Y) N TIER 2 OR BELOW: Y N UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	SEE ATTACHED					
	TOTALS FOR THIS DBE FIRM:					$1,599,849.88

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] — Signature for Prime Contractor — Title: Est — Date: 6-5-20

Contact: Shamik Amin
Firm Name: Judlau Contracting, Inc.
E-mail: shamik.amin@ohlna.com
Phone: 630-387-6040
Address: 1011 Warrenville Rd, #195, Lisle IL 60532

[redacted] — Date

Contact: RICK SAUNE
Firm Name: LAREDO SYSTEMS
E-mail: LARSYS2@YAHOO.COM
Phone: 815-544-0454
Address: 11933 COUNTY LINE RD GARDEN PRAIRIE, IL. 61038

LAREDO SYSTEMS
490 TOLLWAY 4339

PIN	DESCRIPTION	UNIT	QUANITY	PRICE	TOTAL
20101000	TEMP FENCE	FT	1647	$ 4.00	$ 6,588.00
25000400	NITRO FERT NUTR	LB	203	$ 3.00	$ 609.00
25000600	POTAS FERT NUTR	LB	602	$ 3.00	$ 1,806.00
25100127	MULCH METHOD 3A	AC	71	$ 2,500.00	$ 177,500.00
28000250	TEMP EROS CONT. SEEDING	LB	4267	$ 4.00	$ 17,068.00
28001100	EROSION CONTR BLANKET	SY	42008	$ 1.10	$ 46,208.80
JI211110	TOPSOIL STKP TO PLACE	CY	8362	$ 8.25	$ 68,986.50
JI251010	EROS CONT BL BIODEGRA	SY	50750	$ 1.28	$ 64,960.00
JI251015	HD EROS CONT BL BIODEG	SY	41349	$ 1.50	$ 62,023.50
JS280040	ERO SEDI CONT CLEANOUT	CY	1420	$ 20.00	$ 28,400.00
JS280050	SILT FENCE	LF	15723	$ 2.48	$ 38,993.04
JS280051	RE ERECT SILT FENCE	LF	3931	$ 2.48	$ 9,748.88
JS280100	SUPER SILT FENCE	LF	1364	$ 14.00	$ 19,096.00
JS280151	SAME DAY STABL.	SY	122816	$ 0.01	$ 1,228.16
JS280180	RECT INLET PROT	EA	20	$ 150.00	$ 3,000.00
JS280205	FILTER FABRIC PROT COVER	EA	11	$ 190.00	$ 2,090.00
JS280210	FILTER FAB INLET PROC	EA	160	$ 150.00	$ 24,000.00
JS280305	TEMP DITCH CHECK	LF	1732	$ 10.00	$ 17,320.00
JT250432	SEEDING CL 2E	AC	6.75	$ 1,600.00	$ 10,800.00
JT250446	SEED GRASS FORB MIX SP	AC	12.25	$ 2,500.00	$ 30,625.00
JT250491	SEED WET DET MIX SP	AC	0.5	$ 12,000.00	$ 6,000.00
JT280500	SEDIMENT FILTER BAG	EA	113	$ 200.00	$ 22,600.00
JT280510	FLOC LOGS	EA	176	$ 175.00	$ 30,800.00
JT280530	INLINE FLOC SYS	EA	2	$ 7,000.00	$ 14,000.00
JT285035	REVENT MAT	SY	6163	$ 145.00	$ 893,635.00
JS280120	TREE PROTECTION	FT	441	$ 4.00	$ 1,764.00
					$ 1,599,849.88

Metra

547 W. Jackson Boulevard, Chicago, IL 60661 312.322.6900 metrarail.com

June 27, 2019

Enrique Jaime
Laredo Systems
11933 County Line Road
Garden Prairie, IL 61038-9607

Dear Mr. Jaime:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Subpart D 26.61. Your next No Change Affidavit is due **June 21, 2020.**

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in your certification that affect your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is grounds for removal of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

Your firms name will appear in the IL UCP directory, which is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed at www.metrarail.com under the Business Diversity DBE link. Your firm's name will appear in the IL UCP DBE Directory under the following:

NAICS Code: 561730

Specialty: Landscaping and Erosion Control Services

Your participation on contracts will only be credited toward DBE contract goals when your firm performs in a Commercially Useful Function (CUF) in its approved area(s) of specialty.

Sincerely,

[redacted]

Janice R. Thomas, CPPB
Senior Division Director
Office of Business Diversity & Community Relations

JRT:am/kb

Metra is the registered service mark for the Northeast Illinois Regional Commuter Railroad Corporation.

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Laredo Systems
Enrique Jaime
11933 County Line Rd.
Garden Prairie, IL
61038-9607

Email: larsys2@yahoo.com
Phone: 815-544-0454
Fax: 815-544-1088

County: McHenry

Categories: Miscellaneous

NAICS	Speciality
561730 - Landscaping Services	561730 - Landscaping and Erosion Control Services

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Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	VIRIDIAN ENTERPRISES, INC.
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR X TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a supplier)
	SEE ATTACHED					$5,650,718.85
			TOTALS FOR THIS DBE FIRM:			$5,650,718.85

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.

[redacted] ESTIMATOR 06/05/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin
Firm Name: Judlau Contracting, Inc.
E-mail: shamik.amin@ohlna.com
Phone: 630.387.6040
Address: 1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] PRESIDENT 6-4-2020

Signature for DBE Contractor — Title — Date

Contact: ERNIE ESTELA
Firm Name: VIRIDIAN ENTERPRISES, INC
E-mail: ERNIE@VIRIDIANINC.NET
Phone: 773 799-9693
Address: 3810 W. ADDISON, CHICAGO IL 60618

VIRIDIAN
ENTERPRISES, INC.

To: Judlau
Address: 1011 Warrenville Road
Lisle, IL 60532

Bid Date: 06/05/2020

Project: ISHTA I-19-4339 (I-294, Wolf-Grand)
Location: I-294 - Wolf to Grand Ave.
Addendum#: 1,2,3

Client #	Description	Quantity	Unit	Unit Price	Ext Price
20800150	Trench Backfill	20,828.000	CY	$ 24.00	$499,872.00
50104400	Concrete Headwall Removal	9.000	EA	$ 525.00	$4,725.00
542A1060	Pipe Culvert, Class-A, Ty-2, 15"	102.000	LF	$ 37.00	$3,774.00
54213660	Precast Flared End Section, 15"	4.000	EA	$ 750.00	$3,000.00
550A0340	Storm Sewer, Class A, Ty-2, 12"	434.000	LF	$ 33.50	$14,539.00
550A0360	Storm Sewer, Class A, Ty-2, 15"	4,815.000	LF	$ 36.25	$174,543.75
550A0380	Storm Sewer, Class A, Ty-2, 18"	5,555.000	LF	$ 38.65	$214,700.75
550A0410	Storm Sewer, Class A, Ty-2, 24"	1,787.000	LF	$ 51.00	$91,137.00
550A0430	Storm Sewer, Class A, Ty-2, 30"	1,248.000	LF	$ 62.50	$78,000.00
550A0450	Storm Sewer, Class A, Ty-2, 36"	749.000	LF	$ 76.00	$56,924.00
550A0470	Storm Sewer, Class A, Ty-2, 42"	373.000	LF	$ 93.50	$34,875.50
550A0480	Storm Sewer, Class A, Ty-2, 48"	872.000	LF	$ 106.00	$92,432.00
550A0490	Storm Sewer, Class A, Ty-2, 54"	262.000	LF	$ 147.00	$38,514.00
550A0680	Storm Sewer, Class A, Ty-3, 18"	363.000	LF	$ 39.00	$14,157.00
550A0710	Storm Sewer, Class A, Ty-3, 24"	256.000	LF	$ 51.00	$13,056.00
550A0730	Storm Sewer, Class A, Ty-3, 30"	480.000	LF	$ 62.50	$30,000.00
550A0750	Storm Sewer, Class A, Ty-3, 36"	248.000	LF	$ 76.00	$18,848.00
550A0780	Storm Sewer, Class A, Ty-3, 48"	175.000	LF	$ 125.00	$21,875.00
550A0790	Storm Sewer, Class A, Ty-3, 54"	114.000	LF	$ 150.00	$17,100.00
550A1010	Storm Sewer, Class A, Ty-4, 24"	18.000	LF	$ 60.00	$1,080.00
550A1080	Storm Sewer, Class A, Ty-4, 48"	185.000	LF	$ 125.00	$23,125.00
550A1090	Storm Sewer, Class A, Ty-4, 54"	385.000	LF	$ 160.00	$61,600.00
550A1360	Storm Sewer, Class A, Ty-5, 54"	337.000	LF	$ 160.00	$53,920.00
55100200	Storm Sewer Removal, 6"	411.000	LF	$ 18.00	$7,398.00
55100500	Storm Sewer Removal, 12"	1,285.000	LF	$ 20.50	$26,342.50

55100700	Storm Sewer Removal, 15"	2,079.000	LF	$ 20.75	$43,139.25
55100900	Storm Sewer Removal, 18"	2,208.000	LF	$ 21.50	$47,472.00
55101200	Storm Sewer Removal, 24"	590.000	LF	$ 22.00	$12,980.00
55101300	Storm Sewer Removal, 27"	213.000	LF	$ 22.00	$4,686.00
55101400	Storm Sewer Removal, 30"	310.000	LF	$ 25.25	$7,827.50
55101600	Storm Sewer Removal, 36"	541.000	LF	$ 32.00	$17,312.00
55101800	Storm Sewer Removal, 42"	1,285.000	LF	$ 35.50	$45,617.50
55101900	Storm Sewer Removal, 48"	256.000	LF	$ 35.50	$9,088.00
~~55201700~~	~~Storm Sewer, Jacked-In-Place, 54"~~	~~365.000~~	~~LF~~	~~$1,850.00~~	~~$675,250.00~~
60108106	Pipe Underdrains, Ty-1, 6"	1,639.000	LF	$ 21.50	$35,238.50
60200105	Catch Basin, Ty-A, 4' Dia., Ty-1 F&OL	3.000	EA	$6,400.00	$19,200.00
60207605	Catch Basin, Ty-C, Ty-8 Grate	3.000	EA	$5,150.00	$15,450.00
60218400	Manhole, Ty-A, 4' Dia., Ty-1 F&CL	5.000	EA	$6,700.00	$33,500.00
60221100	Manhole, Ty-A, 5' Dia., Ty-1 F&CL	1.000	EA	$11,000.00	$11,000.00
60221700	Manhole, Ty-A, 5' Dia., Ty-8 Grate	1.000	EA	$7,650.00	$7,650.00
60223800	Manhole, Ty-A, 6' Dia., Ty-1 F&CL	5.000	EA	$9,800.00	$49,000.00
60224005	Manhole, Ty-A, 6' Dia., Ty-8 Grate	1.000	EA	$9,600.00	$9,600.00
60224446	Manhole, Ty-A, 7' Dia., Ty-1 F&CL	3.000	EA	$16,000.00	$48,000.00
60224459	Manhole, Ty-A, 8' Dia., Ty-1 F&CL	1.000	EA	$19,000.00	$19,000.00
60224469	Manhole, Ty-A, 9' Dia., Ty-1 F&CL	2.000	EA	$25,500.00	$51,000.00
60234200	Inlet, Ty-A, Ty-1 F&OL	1.000	EA	$5,200.00	$5,200.00
60236200	Inlet, Ty-A, Ty-8 Grate	3.000	EA	$5,100.00	$15,300.00
60240210	Inlet, Ty-B, Ty-1 F&OL	2.000	EA	$5,400.00	$10,800.00
60250200	Catch Basin to be Adjusted	1.000	EA	$ 700.00	$ 700.00
60250400	Catch Basin to be Adjusted w/Ty-1 F&OL	3.000	EA	$ 950.00	$2,850.00
60252800	Catch Basin to be Reconstructed	6.000	EA	$1,500.00	$9,000.00
60256400	Manhole to be Adjusted w/Ty-8 Grate	4.000	EA	$ 900.00	$3,600.00
60258800	Manhole to be Reconstructed w/Ty-8 Grate	1.000	EA	$1,650.00	$1,650.00
60300105	F&G to be Adjusted	2.000	EA	$ 700.00	$1,400.00
60500040	Removing Manhole	40.000	EA	$ 325.00	$13,000.00
60500050	Removing Catch Basin	40.000	EA	$ 550.00	$22,000.00
60500060	Removing Inlet	18.000	EA	$ 240.00	$4,320.00
X0322916	Proposed SS Conn. to Ex. Storm Sewer	3.000	EA	$1,500.00	$4,500.00
X0322917	Proposed SS Conn. to Ex. Manhole	3.000	EA	$1,850.00	$5,550.00
X0322918	Proposed Mh/Cb Conn. Over Ex. Storm Sewer	3.000	EA	$1,850.00	$5,550.00
X0322936	Remove Flared End Section	3.000	EA	$ 365.00	$1,095.00
X0323449	Remove Ex. Water Valve	4.000	EA	$ 900.00	$3,600.00
X0326713	Sanitary Sewer Connection	3.000	EA	$2,100.00	$6,300.00
X0327369	Sanitary Sewer, Ductile Iron, 10"	1,876.000	LF	$ 88.00	$165,088.00
X0327420	Sanitary Sewer, Ductile Iron, 8"	21.000	LF	$ 71.00	$1,491.00
X0327651	Water Main in Casing, 12"	451.000	LF	$ 130.00	$58,630.00
X0487700	Sanitary Sewer Removal, 10"	1,983.000	LF	$ 21.50	$42,634.50
X0839900	Sanitary Sewer Removal, 6"	64.000	LF	$ 28.00	$1,792.00
X0840000	Sanitary Sewer Removal, 8"	49.000	LF	$ 21.50	$1,053.50
X1200033	Sanitary Sewer in Casing Pipe, 10"	170.000	LF	$ 105.00	$17,850.00

X1200044	Temporary Storm Sewer, 12"	227.000	LF	$ 63.75	$14,471.25
X5509900	Abandon & Fill Ex. Storm Sewer	1,593.000	LF	$ 110.00	$175,230.00
X5610708	Water Main Removal, 8"	109.000	LF	$ 21.50	$2,343.50
X5620112	Water Service Connection	2.000	EA	$7,000.00	$14,000.00
X6011705	Pipe Drain, 6" (Special)	34.000	LF	$ 145.00	$4,930.00
X6022110	Manhole, Ty-A, 10' Dia., Ty-1 F&CL	2.000	EA	$34,000.00	$68,000.00
X6022810	Manhole, Sanitary, 4' Dia., Ty-1 F&CL	10.000	EA	$10,000.00	$100,000.00
Z0018600	Drainage Structure to be Reconstructed	1.000	EA	$3,000.00	$3,000.00
Z0056608	Storm Sewer, WMR, 12"	79.000	LF	$ 40.00	$3,160.00
Z0056610	Storm Sewer, WMR, 15"	33.000	LF	$ 54.00	$1,782.00
Z0056612	Storm Sewer, WMR, 18"	26.000	LF	$ 70.00	$1,820.00
Z0056622	Storm Sewer, WMR, 36"	451.000	LF	$ 155.00	$69,905.00
Z0056628	Storm Sewer, WMR, 54"	20.000	LF	$ 300.00	$6,000.00
~~JA000290~~	~~Steel Casing Pipe, Bore & Jack, 54"~~	~~189.000~~	~~LF~~	~~$1,250.00~~	~~$236,250.00~~
JA000348	Gate Valve & Vault, 8"	2.000	EA	$6,000.00	$12,000.00
JA000410	Remove of Ex. Water Main, 12"	1,858.000	LF	$ 21.50	$39,947.00
JA000479	Abandon Ex. Water Main in Place, 12"	159.000	LF	$ 50.00	$7,950.00
JA000633	Plug Sanitary Manhole	1.000	EA	$ 50.00	$ 50.00
JA000650	Ductile Iron Water Main, 12"	1,975.000	LF	$ 100.00	$197,500.00
JA000655	Water Valves, 12"	6.000	EA	$5,000.00	$30,000.00
JA000660	Valve Vaults, Ty-A, 5' Dia., Ty-1 F&CL	6.000	EA	$4,000.00	$24,000.00
JA000700	Connect to Ex. Water Main, 12"	3.000	EA	$6,500.00	$19,500.00
JA000810	Abandon & Fill Ex. Sanitary Sewer, 10"	190.000	LF	$ 42.00	$7,980.00
JI209010	Porous Granular Backfill for Pipe Underdrains	82.000	CY	$ 72.00	$5,904.00
JI550120	Temporary Storm Sewer, Class A, 24"	809.000	LF	$ 79.00	$63,911.00
JI550902	Ductile Iron Storm Sewer, 6"	57.000	LF	$ 41.00	$2,337.00
JI550936	Ductile Iron Storm Sewer, 36"	85.000	LF	$ 360.00	$30,600.00
JI593010	Controlled Low-Strength Material (Special)	163.000	CY	$ 175.00	$28,525.00
JI593030	Abandon & Fill Ex. Storm Sewer	61.000	CY	$ 500.00	$30,500.00
JI601215	Slope Drain, 15"	171.000	LF	$ 80.00	$13,680.00
JI601300	Pipe Underdrains, 6" (Special)	824.000	LF	$ 18.65	$15,367.60
JI601320	Pipe Underdrains, FLT, 6"	14,685.000	LF	$ 18.65	$273,875.25
JI602010	Catch Basin, Type B	2.000	EA	$10,200.00	$20,400.00
JI602045	Catch Basin, Type G-3, Ty-20A F&G	25.000	EA	$10,500.00	$262,500.00
JI602115	Catch Basin, Type G-2, Type G-2 F&G	4.000	EA	$8,400.00	$33,600.00
JI602120	Catch Basin, Type G-3, Type G-3 F&G	6.000	EA	$11,000.00	$66,000.00
JI602128	Catch Basin, Type G-3 Mod., Ty-20A F&G	69.000	EA	$16,085.00	$1,109,865.00
JI602143	Catch Basin, Type G-5, Ty-20A F&G	2.000	EA	$29,000.00	$58,000.00
JI602310	Manhole, Ty-A, 4' Dia., Ty-1 F&OL (Temporary)	20.000	EA	$3,850.00	$77,000.00
JI602336	Manhole, Ty-A, 7' Dia., Type G-2 F&G	1.000	EA	$23,000.00	$23,000.00
JI602362	Manhole, Ty-A, 9' Dia., Ty-20A F&G	1.000	EA	$30,000.00	$30,000.00
JI602518	Drainage Structure to be Adjusted w/Ty-20A F&G	18.000	EA	$1,000.00	$18,000.00
JI602740	Drainage Structure Ty-4, w/Two Ty-20A F&G	2.000	EA	$12,000.00	$24,000.00
JI602801	Catch Basin, Type G-4, Ty-20A F&G	5.000	EA	$21,000.00	$105,000.00

JI602823	Catch Basin, Type G-4 w/One Ty-22A F&G	2.000	EA	$20,700.00	$41,400.00
JI680004	Headwall, Type I, 24"	1.000	EA	$5,000.00	$5,000.00
JI680007	Headwall, Type I, 36"	1.000	EA	$6,000.00	$6,000.00
JI680073	Headwall, Type III, 54", 1:3	1.000	EA	$13,000.00	$13,000.00
~~JI999706~~	~~Steel Casing Pipe, Bored & Jacked, 24"~~	~~169.000~~	~~LF~~	~~$ 545.00~~	~~$92,105.00~~
JI999754	Sanitary Sewer, Ductile Iron, 6"	38.000	LF	$ 64.00	$2,432.00
~~JT545006~~	~~Steel Casing Pipe, Bored & Jacked, 18"~~	~~170.000~~	~~LF~~	~~$ 545.00~~	~~$92,650.00~~
~~JT545036~~	~~Steel Casing Pipe, Bored & Jacked, 36"~~	~~282.000~~	~~LF~~	~~$ 680.00~~	~~$191,760.00~~
				Grand Total:	~~$6,938,733.85~~

$5,650,718.85

Project Notes:

- All prices are good through the 2023 construction season only – this proposal, if not accepted within 30 days, may be subject to change.
- We have figured there to be **39,000 cy** of spoil for this project, which will be left onsite, trench side.
- Track, Ground and Vibration Monitoring is not included in our proposal.
- Sales tax has not been included – a tax exemption affidavit must be provided prior to construction.
- Work is limited to the items listed above.
- Any specification, detail, or municipal ordinance that is not specifically shown or noted on the plans or in the project specifications has not been included in our pricing of this project.
- No bond cost or permit fees have been included.
- Exclude all soil testing, mechanical sweeping, sewer televising, sewer cleaning or rodding, water meters, QA/QC, tight sheeting, railroad insurance, railroad flagging, surveying, engineering, as-builts and layout.
- Access to all areas of proposed work is to be provided by others.
- The above prices do not include supplying traffic control devices or flaggers.
- Rock excavation, if encountered, is not included in our pricing.
- Undercutting of unsuitable trench subgrade is not included.
- Pavement saw cutting, pavement removal, pavement patching and pavement and/or landscape restoration is not included.
- Erosion control measures (inlet protection, rip-rap, etc.) have not been included.
- Dewatering and bypass pumping in excess of what can be handled by the intermittent use of a 3" trash pump is excluded.
- No concrete or paving work has been included.
- The above price does not include any concrete work, fence removal or replacement, tree removal or replacement.
- No frost ripping, winter protection or winter work is included.
- The site is to be at subgrade prior to utility installation.
- Cleaning structures and pipe from construction debris, is not included in our proposal.
- Removal of the temporary slope pipe is not included in our proposal.
- The water main items have been bid using standard connection accessories.
- All final adjustment to structures will be made prior to any pavement courses being installed.
- No sheeting, shoring, bracing or underpinning.
- Pricing of $400,000.00 for mobilization is included in the above prices.

Metra

547 W. Jackson Boulevard, Chicago, IL 60661 312.322.6900 metrarail.com

October 8, 2019

Ernest Estela
Viridian Enterprises, Inc.
3810 West Addison Street
Chicago, IL 60618

Dear Mr. Estela:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Subpart D 26.61. Your next No Change Affidavit is due **October 3, 2020.**

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in your certification that affect your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is grounds for removal of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

Your firms name will appear in the IL UCP directory, which is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed at www.metrarail.com under the Business Diversity DBE link. Your firm's name will appear in the IL UCP DBE Directory under the following:

NAICS Code: 212321, 237110, 423320, 423510, 562212

Specialty:
212321 – Construction Sand & Gravel Mining
237110 – Water & Sewer Line Related Structures Construction
423320 – Brick, Stone & Related Construction Material Merchant Wholesaler
423510 – Metal Service Centers & Other Metal Merchant Wholesaler
562212 – Solid Waste Landfill

Your participation on contracts will only be credited toward DBE contract goals when your firm performs in a Commercially Useful Function (CUF) in its approved area(s) of specialty.

Sincerely,

[redacted]

Janice R. Thomas, CPPB
Senior Division Director
Office of Business Diversity & Community Relations

JRT:ms/kb

Metra is the registered service mark for the Northeast Illinois Regional Commuter Railroad Corporation.

AM

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Viridian Enterprises, Inc.
Ernest Estela
3810 West Addison Street
Chicago, IL 60618-0000

Email: emie@viridianinc.net
Phone: 773-799-9693
Fax: 773-799-9686

County: Cook

Categories: Construction, Supplier

NAICS	Speciality
212321 - Construction Sand and Gravel Mining	212321 - Construction Sand & Gravel Mining
237110 - Water and Sewer Line and Related Structures Construction	237110 - Water & Sewer Line Related Structures Construction
423320 - Brick, Stone, and Related Construction Material Merchant Wholesalers	423320 - Brick, Stone & Related Construction Material Merchant Wholesaler
423510 - Metal Service Centers and Other Metal Merchant Wholesalers	423510 - Metal Service Centers & Other Metal Merchant Wholesaler
562212 - Solid Waste Landfill	562212 - Solid Waste Landfill

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Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	C3 CORPORATION
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR X TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y (N)	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
No PAY ITEM Listed For:	CONSTRUCTION LAYOUT	LSUM (1)	$445,000.00	$445,000.00		
1666010	ROW MARKERS	18	$1,000.00	18,000.00		
1667010	PERMANENT SURVEY MARKERS	2	2,000.00	4,000.00		
			TOTALS FOR THIS DBE FIRM:	$467,000.00		

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1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] ESTIMATOR 6/5/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd, #195 Lisle IL 60532

[redacted] 6/3/2020

Signature for DBE Contractor — Title — Date

Contact: CAROL A. MARCUS

Firm Name: C3 CORPORATION

E-mail: CAROL@C3CORPORATION.NET

Phone: 815-725-4500

Address: 822 N. 129th COURT UNIT #105 JOLIET, IL 60435

815.725.4500
fax: 815.725.4501
www.c3corporation.net

Remittance:
P.O. Box 759
Wilmington, IL 60481

30 May 2020 I.S.T.H.A. Contract #I-17-4339

JUDLAU CONTRACTING INC.
1101 Warrenville Road Suite 195
Lisle, IL. 60532

Phone (630) 568-6642
FAX (331) 777-5771

RE: ISTHA • I-294 & I-490 Roadway, Bridge & Wall Construction

PROPOSAL FOR CONSTRUCTION LAYOUT

This proposal reflects one time staking & is based on proper survey control, horizontal & vertical, being in place at the project site. An electronic file will be required for this project. Standard "Construction Layout" practice applies, layout interval is 50 feet.

SCOPE OF WORK

C³ Corporation will perform "Construction Layout" based on the following:
Silt Fencing, R.O.W.Fencing & Temporary Fencing – Stake alignment.
Bridges – Stake slabs, footings, fillets, beam & bearing lines, abutment & piers, piles, wingwalls, temp. soil retention, caps, set elevations.
Retaining Walls – Stake wall alignment, footings, piles, moment slabs, and set elevations.
Mainline Pavement – Set control for stringless paving.
Ramps – Stake edge of travelled lanes with elevations on ramps only.
Barrier Base – Stake alignment with elevations per plans.
Storm, Watermain – Stake center of structure with off-sets and elevations. Stake jacking pits!
Gore Areas – Stake on an off-set with elevations.
Light Poles, Sign Supports, O.H. Sign Structures – Stake center of supports & reference elev.
Survey Control - An allowance has been made to locate and check survey control.

Construction Layout Fee is: $445,000.00

JI666010 – ROW MKRS (18) $1,000.00 Ea. = $18,000.00
JI667010 – Permanent Survey Mkrs (2) $2,000.00 Ea. = $4,000.00

All Project Management and office support is included in the hereon-stated fee. C3 Corporation is not bidding "As-Builts" or layout for any item not listed above. If an item needs to added or removed – please call Paul (815) 530-6920.

Regards,

[redacted]

Carol A. Marcus President
State of Illinois Certified – D.B.E., W.B.E. – National Council, C.M.S., M.W.R.D.
Union Affiliation – Local 150, Operating Engineers

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

C3 Corporation
Carol A. Marcus
P.O. Box 759
Wilmington, IL 60481

Email: carol@c3corporation.net
Phone: (815) 725-4500
Fax: (815) 725-4501

County: Will

Categories: Construction

NAICS	Speciality
238910-Site Preparation Contractors	238910- MISC: CONSTRUCTION LAYOUT AND STAKING

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Version: 1.1.27.5458

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

December 16, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Carol A. Marcus
C3 Corporation
P. O. Box 759
Wilmington, IL 60481

Dear Ms. Marcus:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for C3 Corporation and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

To remain certified and in good standing, you must annually submit a *No Change Affidavit*. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there is a change in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

E. Diane Cook Felton, Manager
DBE Certification Section
Bureau of Small Business Enterprises

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	Marking Specialists Corp.
CIRCLE ALL THAT APPLY:	(DBE) (MBE) WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR X TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	See Q10000	1		$109,603.64		$109,603.64
			TOTALS FOR THIS DBE FIRM:	$109,603.64		$109,603.64

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] Estimator 6/5/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd, #195 Lisle IL 60532

[redacted] Proj. Mgr 5/30/20

Signature for DBE Contractor — Title — Date

Contact: Steve Sell

Firm Name: Marking Specialists Corp.

E-mail: Steven@markingspecialists.net

Phone: 847-462-0189

Address: 114 High Rd. Unit 1, Cary IL 60013

MARKING SPECIALISTS CORR

Marking Specialists Corporation
114 High Road, Unit 1
Cary, IL 60013

Voice: 847-462-0799
Fax: 847-462-0929
Email: estimating@markingspecialists.net

Quote No.:	Q10000
Quote Date:	5/30/2020
Section:	I-17-4339
Complete By:	12/1/2023
Bid Date:	6/5/2020

Quotation

County: VARIOUS
Description: ELGIN O'HARE WEST ACCESS TOLLWAY (I-490) RECONSTRUCTION
TRI-STATE TOLLWAY - SOUTH OF GRAND AVE TO WOLF ROAD; I-490 RAMP S1 & S2

Gentlemen:

We propose to furnish all necessary labor, material, tools and equipment to complete the following work according to plans and specifications

Item No.	Description	Unit	Qty	Price	Ext. Amount
78000200	THPL PAVT MKG LINE 4	FT	2612.00	$3.15	$8,227.80
78005120	EPOXY PAVT MKG LINE 5	FT	6402.00	$1.35	$8,642.70
78005150	EPOXY PAVT MKG LINE 12	FT	2710.00	$3.35	$9,078.50
JT780JB1	GRV FOR REC PM LINE 6	FT	17709.00	$0.59	$10,448.31
JT780JC1	GRV FOR REC PM LINE 7	FT	25210.00	$0.69	$17,394.90
JT780305	MULTI-POLY PAVT MKG LINE 5	FT	19863.00	$1.07	$21,253.41
JT780310	MULTI-POLY PAVT MKG LINE 6	FT	27427.00	$1.26	$34,558.02

Bid Total $109,603.64

These prices are firm for a period of sixty (60) days from the date of the contract award. Other material, if required, will be priced separately. Permanent pavement marking is expected to be completed with one mobilization. Additional mobilizations will cost $4,000.00 each. Lane closures, if required, are the responsibility of the prime contractor. Unless stated otherwise, prices do not include costs for bonds, special insurance or permits.

We thank you for the opportunity to quote on this work and hope we will be favored with your order.

Very Truly Yours,

[redacted]

Estimator
Marking Specialists Corporation

- I.D.O.T. Certified DBE
- C.D.O.T. Certified DBE MBE
- Cook County Certified MBE
- METRA Certified DBE
- An Equal Opportunity Employer
- City of Rockford MBE

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Marking Specialists Corporation
Alfredo Zavala
P. O. Box 745
Arlington Heights, IL
60006

County: Cook

Email: bob@markingspecialists.net

Phone: (847) 253-7349

Fax: (847) 253-0096

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- PAVEMENT MARKING: MODIFIED URETHANE MISC: REFLECTIVE MARKER INSTALLATION PAVEMENT MARKING: REMOVAL PAVEMENT MARKING: GROOVED RECESSED MISC: PREFORMED PLASTIC PAVEMENT MARKING PAVEMENT MARKING: THERMOPLASTIC HAND PAVEMENT MARKING: POLYUREA PAVEMENT MARKING: EPOXY PAVEMENT MARKERS RAISED PAVEMENT MARKING: PAINT

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Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

ISTHA I-17-4339

MA Rebar Services, Inc.

DBE MBE WBE SBA 8(A)

PRIME _____ JV PARTNER _____ SUBCONTRACTOR ✓ TRUCKER _____ SUPPLIER _____ MANUFACTURER _____

TIER 1 (SUB TO PRIME): (Y) N | TIER 2 OR BELOW: Y N | UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

					CHECK IF SUPPLIER	
	REBAR FURNISH & ERECT					$10,012,475.00
			TOTALS FOR THIS DBE FIRM:			$10,012,475.00

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1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a [redacted]ation for DBE Participation and can subject the contractor to contract sanctions.

[redacted] ESTIMATOR 6/5/20

Signature for Prime Contractor | Title | Date

Shamik Amin
Judlau Contracting, Inc.
shamik.amin@ohlna.com
630.387.6040
1011 Warrenville Rd, #195, Lisle, IL 60532

Contact:
Firm Name:
E-mail:
Phone:
Address:

[redacted] President 6/4/2020

Signature for DBE Contractor | Title | Date

Contact: Theresa Kern
Firm Name: MA Rebar Services, Inc.
E-mail: tk@marebarservices.com
Phone: 773-475-7842
Address: 1415 W. 37th St, Ste.205W, Chicago, IL 60609

1415 W. 37th. St. Ste. 205 W
Chicago, IL 60609
Ph: (773) 475-7842
Fax: (773) 940-2312

Date: June 4, 2020

PROPOSAL CONTRACT

TO: All Bidders

ATTN: Estimating Department
Phone:
Fax:
email:

PROJECT: I-17-4339

LOCATION: Cook County

THIS PROPOSAL IS FOR FIELD LABOR AND MATERIAL.

MA Rebar Services, Inc. hereinafter called Subcontractor, is pleased to propose, subject to the terms and conditions contained herein, to furnish labor for the installation of concrete reinforcement, all in accordance with the CRSI Manual of Standard Practice, 27th Edition and based on the following documents

Drawings:
Addenda:
Dated:

The Contractor agrees, in consideration of the performance of this agreement by the Sub-Contractor to pay, or to cause to be paid to the Sub-Contractor sums of money computed as follows:

Labor to Install Epoxy Coated Reinforcement Bars	**$0.655**	**/Lb.**
Entire deck to be ready with hand rails and 100% fall protection in place:		
Labor and Material to install Studs on Bridge Deck	**$3.75**	**/Ea.**
(Provide location for welder on bridge deck)		
Labor and Material to install Bidwell Accessory Studs	**$8.25**	**/Ea.**
Labor and Material to install Studs on H-Piles	**$18.00**	**/Ea.**
Add $.15 more per inch for studs 6" or longer. Air compressors and hoses to be provided by others.		
Labor to install Bar Splicers	**$17.00**	**/Ea.**
Labor to Install Mechanical Splicers	**$48.00**	**/Ea.**
Labor to Install Junction Chambers, Rebar for Coping, and Mesh	**T&M**	

Ovetime Is Excluded. If Required it Would Be Worked at the Appropriate Cost Listed Below:

	Straight	Premium	Double
IRONWORKER:	**$150.00**	**$75.00**	**$225.00**

THE ABOVE LABOR PRICES ARE FIRM THRU 5/31/2021 - ADD 4% ON 6/1/2021 AND EACH 6/1 THEREAFTER.

MA Rebar Services, Inc. retains the right to negotiate a fair contract. This proposal hereby includes labor provisions for Ironworkers, and does include prevailing wage rates. No retention is to be withheld.

THANK YOU - WE APPRECIATE YOUR BUSINESS

Project Specific Payment Terms:

Project Specific Payment Terms:

1) Contractor agrees to pay Subcontractor one hundred percent (100%) of the contract value for labor performed within thirty (30) days of the monthly invoice billing date. MA Rebar Services, Inc. to be paid in full, ninety (90) days after completion of MA Rebar Services, Inc.'s work.

2) Extra Field Work Orders are due within 30 days of invoice billing and no retention shall be withheld from same.

Project/Owner Information:

1) Contractor agrees to supply MA Rebar Services with any pertinent Project/Owner information, as reasonably requested.

Included by Subcontractor:

1) Union Field Labor to install Reinforcing Steel in accordance with CRSI and the above referenced drawings, specifications and addenda.

Excluded by Subcontractor and provided by others:

1) Cost of inspection, testing, permits and/or fees, anchors, inserts, sleeves, or threaded reinforcing steel and/or rods.
2) Cost of remedial work and/or replacement of materials made necessary by water or flood damage to reinforcing steel.
3) Liability against loss of reinforcing steel due to strikes, loss after delivery, accidents, water, flood or other acts of God.
4) Cutting, drilling, grouting, dry-packing, epoxying of any threaded, smooth or reinforcing steel dowels and/or rods.
5) Field bending, welding, cleaning, cutting, straightening, or reworking of any existing reinforcing steel, structural steel, Wire mesh, dowels and/or welding of dowels to structural or miscellaneous iron.
6) End protection, painting, greasing or wrapping of reinforcing steel and/or smooth dowels.
7) Clean up of tie wire ends.
8) All OSHA requirements for exposed reinforcing steel ends protecting against abrasion and/or impalement.
9) Blocking, chairing and/or pulling up of wire mesh.
10) All dead men, cabling and/or guying of any pre-assembled or erected units.
11) Separate pour watchman, safety, quality, or traffic control personnel, or the added cost of composite crew clean-up.
12) Moving or double-handling of reinforcing steel and materials from lay-down yard or area to be done on T&M.
13) Installation of Mechanical Splicers, Form Saver type dowels, Smooth Dowels, WWM including Masonry Reinforcing other than dowels tied and set in concrete. (unless specific pricing is given or noted above)
14) Snow removal or any protective covering of stored or stockpiled materials including snow blankets.
15) Removal, grinding and/or patching of staples, nails, bolts or any other device used for the placement of concrete reinforcement accessories.
16) Any inventory or responsibility of storing or transporting of rebar or mesh. All rebar ordering must be coordinated through MA Rebar Services.
17) As-built drawings.
18) Installation of reinforcing bar and or mesh for site work. (outside of building perimeter) or electrical ductbanks.

Conditions of Agreement:

1) Contractor agrees to give Subcontractor a minimum of 24-hours (48-hours if more than 60 miles from our office) notice for workers to be at
2) Any agreement is contingent upon accidents, acts of God and all delays unavoidable or beyond Subcontractor's control.
3) Unless otherwise agreed, it is understood that the work will be performed during regular working days and hours (i.e., Monday through Friday and based on a 40 hour work week).
4) No charges for labor or materials furnished by Contractor shall be allowed as a credit, unless authorized in writing by Subcontractor at time of transaction.
5) Contractor agrees that all forms and templates will be in place before installation, except those forms or other materials that will hinder the installation.
6) Contractor agrees to establish firm level sub-grade at elevation shown on drawings including all levels, datum lines, elevations, openings, and dowel outs for concrete and/or masonry.
7) Contractor will provide clear access roads and ramps for unloading of trailer/truck deliveries to within 50 feet of point of installation, and reasonable storage and lay-down areas.
8) **Contractor will provide grades, lines, and rigid templates.**
9) Contractor will furnish all forming, including layout.
10) Contractor will provide safe working areas, with proper scaffolding in place.
11) Cages for drilled piers, shafts, caissons, and light pole standards will be tied and stockpiled by Subcontractor.
12) Contractor shall furnish, without charge, suitable equipment fully operated for hoisting/lowering reinforcing steel, personnel, wire mesh, etc..., including unloading trucks, staging of reinforcing to points of installation (into foundations, and onto elevated decks, etc...) setting columns, wall cages and/or any other pre-tied assemblies including any power placing of individual bars that MA Rebar Services, Inc. may require.
13) Contractor agrees to provide copies of all contract documents in quantities as reasonably requested by the Subcontractor at no cost to Subcontractor.
14) Published working schedules to be made by mutual agreement of the Contractor and Subcontractor to conform to Contractor's master schedule. In event duration times are provided by Subcontractor, it is agreed that time starts only when work areas are provided ready to receive installation in all respects, in accordance with OSHA and State safety regulations.

15) Subcontractor agrees to indemnify the Owner, General Contractor and others from any and all damage, loss, or injury, caused by this Subcontractor, but only to the extent that damage, loss, or injury is caused by this Subcontractor and is covered by insurance.
16) This proposal does not include a waiver of subrogation endorsement.
17) Contractor shall, if the Owner does not, purchase and maintain an all risk insurance policy for the full value of the entire work and/or material delivered to the job site, which shall include the full interest of Subcontractor, as an additionally named insured.
18) If accepted, the terms and conditions of this Subcontract Proposal, as mutually agreed upon and shall be incorporated into any final contract if one is provided to Subcontractor. Otherwise, Contractor's notice to proceed, whether by mail, phone, facsimile, or any other means of communication, shall constitute an acceptance of this offer and shall bind the Contractor to the terms and conditions as set forth herein, and no further writing shall be required by Subcontractor.
19) Subcontractor hereby warranties its work to the full extent required by the plans and specifications for a period of one (1) year following final completion of Subcontractor's work.
20) In the event either Contractor or Subcontractor institutes a suit against the other in connection with any matter arising from this agreement, the prevailing party shall be entitled to recover from the other its reasonable attorney's fees.
21) Contractor shall furnish adequate parking area for Sub-Contractors field crew and sufficient space for a job site plan shack at no additional cost to the Sub-Contractor.

Special Conditions:

1) Excludes support bars and racking steel per ACI Standards. MA Rebar Services, Inc will install for contract unit price
2) Contractor to furnish a 10,000 lb capacity forklift and/or a crane of sufficient capacity to assist in offloading and erection of the reinforcing
3) Excludes any welding of reinforcing steel
4) MA Rebar Services, Inc. has included a maximum of one (1) hour per employee for initial site orientation/safety training. If initial site orientation/safety training exceeds one (1) hour, MA Rebar Services, Inc will be compensated for any additional hours expended.
5) Excludes drilling and epoxy grouting of reinforcing steel dowels.
6) smooth dowels can be inserted on T&M.
7) Bridge decks to be compleiy framed and cleaned prior to MA mobilizing to install stud shear connectors

This Proposal is Hereby Accepted;

Company: _____

By: _____

Date: _____

MA Rebar Services, Inc

By: Theresa Kern

Title: President

Date: June 4, 2020

Signed: [redacted]

MA Rebar Services, Inc.

ISTHA I-17-4339
June 4, 2020

MATERIAL PRICING

We are pleased to quote the referenced project per the plans and specifications as it pertains to the furnishing of materials. Our quotation is for the specified reinforcing bars cut, bent, bundled, tagged and furnished in accordance with the CRSI Manual of Standard Practice and our Standard Terms and Conditions. Above prices will be withdrawn if not accepted within 30 days of this proposal on July 6, 2020.

The above prices are quoted F.O.B. delivered to jobsite or as near jobsite as road, weather conditions, and trucking laws will permit. The fabricator shall not be held responsible for delays in shipment due to acts of God, floods, fires, riots, incidents of war, restrictions of government, or shortages of transportation, labor or raw materials. Deliveries will be scheduled as close as possible to requested times, but we cannot be held responsible for late shipments because of trucking breakdowns, accidents, or any unforeseen circumstances beyond our control.

The attached material prices are based on TL or LTL shipments of quantities shown. Partial shipments will be billed separately. Reinforcing Unit Prices are calculated on 40,000 lb. per load for (1) stop. Extra loads will be charged @ $800/load. Two hours for unloading is included. Any hours over and above two will be billed to the GC at $300 /hour.

185 Deliveries
6 Deliveries for Supports/Splicers

All claims of shortages or misfabrication of any materials must be reported to MA Rebar Services, Inc. within two (2) working days after delivery, so we can replace subject material. We will not accept any claims after that time period. Deductions of above claims from our invoices will not be accepted and we may withhold future shipments on said project until payments are made. Our material supplier reserves the right to add a fuel surcharge during the length of the Contract due to rises in fuel costs.

Pricing:

Payment Terms: THE MATERIAL FOR THIS PROJECT MUST BE PAID WITHIN 45 DAYS OF INVOICE DATE. NO RETENTION TO BE WITHELD.

Material Escalation:

Rebar prices are firm for material delivered on or before 12/31/2021. Material shipped on or after 1/1/2022 will increase by $40 per ton for each 3 months for material delivered thereafter, (4/1/2022, 7/1/2022, etc).

Tax Included:	No	**Payment Terms:**	Net 30 Days
Retainage:	Retention: not Allowed	**F.O.B.:**	Destination

No #14 or #18 bar included in this estimate unless noted. Redetailing time due to design changes will be billed at $300 /hour.

MA Rebar Services, Inc.

ISTHA I-17-4339
June 4, 2020

50800205	Reinforcing Steel - Epoxy Coated	6,244,209/lbs.	$0.507/lb.
	Bar Support for Concrete Thicknesses over 4-0.		**$25,000/ls.**
	Lap Splices and/or Mechanical Splices required for bars that exceed 60'-0" not included.		
	Reinforcing Steel Spirals - Epoxy Coated	48,674/lbs.	$1.45/lb.
	Includes 4 Spacers; 2 Installed, 2 Loose		
	#8 Headed Bars 3'-10" x 2'-4" Long - Epoxy Coated (7,722 Lbs.)	469/ea.	$32.00/ea.
	#8 Headed Bars 5'-11" Long - Epoxy Coated (4,818 Lbs.)	305/ea.	$30.00/ea.
	#5 Headed Bars 2'-3" x 10" Long - Epoxy Coated (730 Lbs.)	227/ea.	$14.00/ea.
	Reinforcing Steel Standees for Moment Slabs - Epoxy Coated	47,165/lbs.	$0.507/lb.
	4 1/2" Individual High Chairs - Epoxy Coated	43,927/ea.	$0.73/lb.
	1" Slab Bolster - Epoxy Coated	94,580/lf.	$0.33/lf.
	7 1/2" Individual High Chairs - Epoxy Coated	2,991/ea.	$1.30/ea.
	1 1/2" Slab Bolster - Epoxy Coated	6,915/lf.	$0.34/lf.
	2" Beam Bolster - Epoxy Coated	2,060/lf.	$0.61/lf.
	2" Slab Bolster - Epoxy Coated	640/lf.	$0.34/lf.
50800515	#5 Bar Splicer Sets 3'-9" Long - Epoxy Coated	5,164/ea.	$12.00/ea.
	#5 Bar Splicer Sets 3'-10" Long - Epoxy Coated	248/ea.	$12.00/ea.
	#6 Bar Splicer Sets 4'-3" Long - Epoxy Coated	52/ea.	$17.00/ea.
	#7 Bar Splicer Sets 5'-3" Long - Epoxy Coated	40/ea.	$32.00/ea.
	#8 Bar Splicer Sets 6'-0" Long - Epoxy Coated	38/ea.	$45.50/ea.
	#8 Bar Splicer Sets 6'-2" Long - Epoxy Coated	360/ea.	$46.00/ea.
	#9 Bar Splicer Sets 9'-5" Long - Epoxy Coated	64/ea.	$75.00/ea.
	#5 Bar Splicer Sets - Epoxy Coated	210/ea.	$18.50/ea.
	Set Bar = 1'-4" Long w/ 5'-6" Hook; Splice Bar = 6'-0" Long		
50800530	#6 Mechanical Bar Splicers - Epoxy Coated	168/ea.	$28.50/ea.
	#9 Mechanical Bar Splicers - Epoxy Coated	88/ea.	$63.00/ea.
JI420040	Bridge Approach Slab Reinforcing - Epoxy Coated	461,437/lbs.	$0.507/lb.
	Reinforcing Steel Standees - Epoxy Coated	5,506/lbs.	$0.507/lb.
JI420041	Transition Approach Slab Reinforcing - Epoxy Coated	86,912/lbs.	$0.507/lb.
	10 1/2" Individual High Chairs w/Plates - Epoxy Coated	4,040/ea.	$2.60/ea.
JI420046	Transition Approach Shoulder Slab Reinforcing - Epoxy Coated	74,061/lbs.	$0.507/lb.
	Reinforcing Steel Standees - Epoxy Coated	1,302/lbs.	$0.507/lb.
JI522500	Mechanically Stabilized Earth Retaining Wall - Epoxy Coated	7,069/lbs.	$0.507/lb.

MA Rebar Services, Inc.

ISTHA I-17-4339
June 4, 2020

JI602791	Junction Chamber, Location 1 - Epoxy Coated	12,922/lbs.	$0.55/lb.
	2" Beam Bolster - Epoxy Coated	100/lf.	$0.60/lf.
JI602792	Junction Chamber, Location 2 - Epoxy Coated	5,162/lbs.	$0.54/lb.
	2" Beam Bolster - Epoxy Coated	100/lf.	$0.60/lf.
JI602793	Junction Chamber, Location 3 - Epoxy Coated	5,318/lbs.	$0.54/lb.
	2" Beam Bolster - Epoxy Coated	100/lf.	$0.60/lf.
JI602794	Junction Chamber, Location 4 - Epoxy Coated	5,318/lbs.	$0.54/lb.
	2" Beam Bolster - Epoxy Coated	100/lf.	$0.60/lf.
JI602795	Junction Chamber, Location 5 - Epoxy Coated	5,983/lbs.	$0.54/lb.
	2" Beam Bolster - Epoxy Coated	100/lf.	$0.60/lf.
JI637017	Concrete Barrier Base Special - Epoxy Coated	4,585/lbs.	$0.507/lb.
	Reinforcing Steel Standees - Epoxy Coated	263/lbs.	$0.507/lb.
JI637030	Concrete Barrier, Single Face, 42" - Epoxy Coated	38,156/lbs.	$0.507/lb.
JI637032	Concrete Barrier Base for Single Face Barrier, 42" - Epoxy Coated	69,441/lbs.	$0.507/lb.
	Reinforcing Steel Standees - Epoxy Coated	3,984/lbs.	$0.507/lb.
JI637034	Concrete Barrier Base for SF Barrier, 42" (Special) - Epoxy Coated	152,031/lbs.	$0.507/lb.
	Reinforcing Steel Standees Barrier Base - Epoxy Coated	9,564/lbs.	$0.507/lb.
JI637036	Concrete Barrier, Single Face, Reinforced 42" (Special) - Epoxy Coated	108,204/lbs.	$0.507/lb.
JI637060	Concrete Barrier Transition, Special - Epoxy Coated	2,519/lbs.	$0.507/lb.
JT130752	Concrete Foundation, IPDC Facility - Epoxy Coated	2,710/lbs.	$0.507/lb.
Z0073346	Sleeper Slab - Epoxy Coated	34,710/lbs.	$0.507/lb.
	3 3/4" Continuous High Chair Upper - Epoxy Coated	2,350/lf.	$0.93/lb.

Sales Tax is Excluded.

Include:

A706 weldable bars, Supports as per CRSI/DOT Standards, Spirals, Headed Rebar, Bar Splicers, Mechanical Bar Splicers, Detailing for Junction Chambers.

Exclude:

Multiple stops per load, Surety Bond, Drawings of Any Kind (except junction chambers), All Applicable State or County Sales Tax for Fees, Any retention, All Welding of Rebar, Welded Wire Mesh and/or Welded Wire Mesh Supports, Detailing/Drawings of Any Kind, All Threaded Bars, BIM Related Project Management and 3D Modeling, Night Deliveries, Galvanized Bars. Test Samples for Bar Splicers to be provided at unit prices, if required. **Lap Splices and/or Mechanical Splices required for bars that exceed 60'-0" not included.**

Drawings:

578 - 1333.

Addenda:

#1, #2, #3.

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

December 9, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Theresa Kern
MA Rebar Services, Inc.
1415 W. 37th St., Ste. 205 West
Chicago, IL 60609

Dear Ms. Kern:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for MA Rebar Services, Inc. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

To remain certified and in good standing, you must annually submit a *No Change Affidavit*. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there is a change in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

B. Diane Cook-Felton, Manager
DBE Certification Section
Bureau of Small Business Enterprises

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

MA Rebar Services, Inc.
Theresa Kern
1415 W. 37th St., Ste. 205 West
Chicago, IL 60609

Email: tk@marebarservices.com
Phone: (773) 475-7842
Fax: (773) 940-2312

County: Cook

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- STEEL, REINFORCING - REBAR PLACEMENT

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Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME	S&J Construction Co., Inc
CIRCLE ALL THAT APPLY:	DBE MBE **WBE** SBA 8(A)

CHECK ALL THAT APPLY:

PRIME _____ JV PARTNER _____ SUBCONTRACTOR XX TRUCKER _____ SUPPLIER _____ MANUFACTURER _____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): **Y** N	TIER 2 OR BELOW: Y **N**	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION (Indicate whether sum/lump only, or both unit/price and sum)	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduced 60% for manufacturer, reported by firm as SUPPLIER)
	See attached SIGNS					~~$2,102,746.25~~
						$2,087,948.25
			TOTALS FOR THIS DBE FIRM:			

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department** of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] ESTIMATOR 6/5/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd, #195 Lisle IL 60532

[redacted] President 6/04/2020

Signature for DBE Contractor — Title — Date

Contact: Simone Kapovich

Firm Name: S&J Construction Co., Inc.

E-mail: skapovich@sjconst.com

Phone: 708-331-1816

Address: 4245 166th Street Oak Forest, IL 60452

S & J Construction Co., Inc.
4245 166th Street
Oak Forest, IL 60452
Phone (708) 331-1816
Fax (708) 687-2135

I-490 & I-294 Roadway & Bridge Widening
South of Grand Ave to Wolf Road
Western Access Tollway Ramp S1 & S2
ISTHA Contract No. I-17-4339

BID DATE: 6/5/2020

SCHEDULE OF PRICES – SIGNING Revised

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE
~~50800205~~	~~REINFORCEMENT BARS, EPOXY COATED~~	~~POUND~~	~~197,962.0~~	~~$2.12~~	~~$419,679.44~~
72000100	SIGN PANEL - TYPE 1	SQ FT	30.0	$71.75	$2,152.50
72000200	SIGN PANEL - TYPE 2	SQ FT	92.0	$52.00	$4,784.00
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	20.0	$240.00	$4,800.00
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	7.0	$425.00	$2,975.00
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	956.0	$5.50	$5,258.00
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	35.0	$58.00	$2,030.00
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	42.0	$46.00	$1,932.00
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3,950.0	$2.90	$11,455.00
73000100	WOOD SIGN SUPPORT	FOOT	74.0	$50.00	$3,700.00
73400100	CONCRETE FOUNDATIONS	CU YD	12.0	$1,500.00	$18,000.00
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1.0	$10,175.00	$10,175.00
73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1.0	$6,375.00	$6,375.00
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	8.0	$420.00	$3,360.00
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	8.0	$1,030.00	$8,240.00
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	3.0	$6,400.00	$19,200.00
JI728010	TELESCOPING STEEL SIGN SUPPORT, BARRIER ASSEMBLY	EACH	13.0	$250.00	$3,250.00
JS733B25	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (25 FT)	FOOT	25.0	$1,800.00	$45,000.00
JS733B35	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (35 FT)	FOOT	35	$1,600.00	$56,000.00
JS733105	OVERHEAD SIGN STRUCTURE, SPAN TYPE (ALUMINUM) (105 FT)	FOOT	103	$890.00	$91,670.00
JS734A10	**FOUNDATION FOR OVERHEAD SIGN STRUCTURE, SPAN TYPE**	**CU YD**	**370**	**$1,295.00**	**$479,409.00**
JS734B10	**FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE**	**CU YD**	**212**	**$1,450.00**	**$307,400.00**
JS734G10	**FOUNDATION FOR ITS GANTRY FRAME**	**CU YD**	**267**	**$1,775.00**	**$473,215.00**
JT132110	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER	EACH	2.0	$1,600.00	$3,200.00
JT132112	REMOVE DYNAMIC MESSAGE SIGN CONTROLLER FOUNDATION	EACH	2.0	$1,430.00	$2,860.00
JT132114	REMOVE DYNAMIC MESSAGE SIGN - TYPE 1	EACH	2.0	$3,325.00	$6,650.00
JT720100	SIGN INSTALLATION, TYPE 1	SQ FT	129	$10.10	$1,302.90
JT720110	SIGN INSTALLATION, TYPE 2	SQ FT	319	$14.75	$4,705.25
JT720120	SIGN INSTALLATION, TYPE 3	SQ FT	1,534	$10.90	$16,720.60
JT726030	MILEPOST MARKER ASSEMBLY, POLE MOUNTED	EACH	20	$80.00	$1,600.00
JT726050	MILEPOST MARKER INSTALLATION	SQ FT	120	$23.95	$2,874.00
JT740110	**ITS GANTRY FRAME (STEEL), SPANS LESS THAN OR EQUAL TO 110'**	**FOOT**	**214**	**$1,055.00**	**$225,770.00**
JT740130	**ITS GANTRY FRAME (STEEL), SPANS GREATER THAN 110' AND LESS THAN OR EQUAL TO 130'**	**FOOT**	**249**	**$965.00**	**$240,285.00**
JT789010	ARCHITECTURAL METAL LETTER	EACH	16	$1,350.00	$21,600.00
				~~TOTAL PRICE WITH REBAR~~	~~$2,507,627.69~~
				TOTAL PRICE WITHOUT REBAR	**$2,087,948.25**

Continue on page 2...

SCOPE OF WORK

The above price includes all labor, equipment, material, and tools to perform the work as shown in the contract plans, specifications, and as stated here in. All access to the work/erection sites for the cranes, equipment, drill rig, concrete trucks and structure assembly shall be the responsibility of the General Contractor (GC). We have not included any spoil removal or dumping of spoil. We have not included hazardous or special waste should it appear.

General Notes:

- Level and adequate access to the foundation locations for drilling and foundation installation shall be provided by the GC.
- All foundation work was quoted to be completed during the day Monday through Friday under normal straight time hours.
- Furnishing and installation of all rebar associated with the concrete items in this quote is included. This includes foundation for overhead sign structure, span type, cantilever type, foundation for its gantry frame, and structural steel breakaway foundations.
- If rebar is removed from this quote:
    - All rebar installation shall be completed by others.
    - All layout for rebar installation shall be completed by others
    - S&J will set rebar cages in each drilled shaft. The cages shall be delivered on a flatbed at the time of the drilling/pour operation. Delivery shall be such that the cage can be picked off of the delivery truck and set directly into the shaft without repositioning the crane.
    - For foundation for overhead sign structure, cantilever type, the column rebar cages must be set by others prior to S&J forming and pouring the concrete columns.
- We have excluded backfilling around any of the foundations.
- Any and ALL electrical work is excluded. Conduit runs, ground rod installation, grounding wells and systems, etc. shall be furnished and installed by the electrical contractor and is not included in our quote.
- Access to foundation work areas shall be provided to S&J by the GC in a manner that allows for all foundations in a given stage to be completed under 1 mobilization.
- Obstruction drilling will be charged per IDOT Article 109.4.
- All traffic control and protection, lane closures, flagging requirements, etc. shall be the responsibility of the GC.
- Covering of any of the sign panels is not included in this price and is considered part of M.O.T. If required by ISTHA, we will invoice in accordance with Article 109.4.
- We did **NOT** include any signing for M.O.T. or temporary signing that may be required. Any and all M.O.T. signing is by others.
- GC shall provide access to a construction yard for storage of materials, equipment, and shipping container job box.
- The insurance S&J is providing for this project is: Workman's Comp. for 1 Mil., General Liability for 1 Mil. each occurrence and 2 Mil. Aggregate; Automobile for 1 Mil.; and a 10 Mil. Umbrella. We do not have Railroad Insurance, Professional Liability Insurance, Builders Risk, or other insurance which may be required for this project.

OVHD Structures & ITS Gantry Structures:

- This quote includes supply, assembly, and erection of the OVHD Sign structures & gantry structures required.

- We will unload and assemble the structures at locations directly adjacent to the installation location. These areas of access shall be provided by the GC. This work has been quoted using daytime straight time rates.
- Structures will be erected at night where new structures are over live traffic.
- Structures will be erected during the day when they are in a work zone without live traffic.
- All new sign panels will be installed on the structures prior to structure erection.

DMS Removal Items (JT132110, JT132112, JT132114):

- All electrical, fiber optic, and other wired connections shall be disconnected by the electrical contractor.
- All conduit and cable removal shall be completed by others.
- Quote includes all labor and equipment to remove and dispose of 2 overhead DMS Signs (disconnected by others) attached to overhead sign structures.
- Quote includes all labor and equipment to remove and deliver to the Tollway of 2 DMS controller cabinets (disconnected by others).
- Quote includes breaking concrete foundations for DMS controller cabinet. Concrete spoil shall be removed by others.

Concrete Pours:

- 50 Pour Days

Lane Closures:

- 5 Nights of 3 right lanes (3 nights with full stops)
- 1 Night of 2 Right Lanes

Excluded From Our Price:

- Traffic control and Protection and all required flagging operations
- Electrical work or electrical supplies of any kind for new structures and foundations. (Conduit, ground rods, ground cable, and clamps)
- Electrical work or electrical supplies of any kind for existing structures (disconnection or reconnection of sign structures)
- Roadway, shoulder, sub-base or barrier wall removal or installation.
- Railroad Insurance.
- Signing incidental to IDOT Article 107
- Removal of spoil and broken concrete from the work location
- Utility Discovery, Removal, or Relocation.
- Testing and Inspection, Third Party Inspection, QC/QA.
- Cleaning and Painting.
- Site restoration landscape work.
- Survey and Layout.
- Permits/Fees. (Except for Cranes & Drill Rig)
- Liquidated Damages not caused by S&J.
- Bond Costs & Retention.

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

S & J Construction Co., Inc.
Simone Kapovich
4245 166th St.
Oak Forest, IL 60452

Email: skapovich@sjconst.com
Phone: (708)-331-1816
Fax: (708) 687-2135

County: Cook

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- STEEL, STRUCTURAL - ERECTION
238910-Site Preparation Contractors	SIGNING
	BRIDGES - EXCEPT PAINTING
	PRECAST & PRESTRESSED CONCRETE - HIGHWAY
	STEEL, REINFORCING - REBAR PLACEMENT
	WELDING
	238910- CAISSONS & PILE DRIVING
	DRILL SHAFT FOUNDATIONS

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Version: 1.1.27.5458

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

RECEIVED
OCT 18 2019
S & J CONSTRUCTION CO., INC.

October 15, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Simone Kapovich
S & J Construction Co., Inc.
4245 166th St.
Oak Forest, IL 60452

Dear Ms. Kapovich:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for S & J Construction Co., Inc., and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

To remain certified and in good standing, you must annually submit a *No Change Affidavit.* IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

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If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

E. Diane Cook Pelton, Manager
DBE Certification Section
Bureau of Small Business Enterprises

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2/2

CONTRACT #	I-17-4339

DBE FIRM NAME	Great Lakes Metals Corporation
CIRCLE ALL THAT APPLY	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY

PRIME ____ JV PARTNER ____ SUBCONTRACTOR ____ TRUCKER ____ SUPPLIER ✓ MANUFACTURER ____

SUBCONTRACTOR: TIER 1 (SUB TO PRIME): (Y) N TIER 2 OR BELOW: Y N UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan.
Attach this form to the DBE Utilization Plan form, DBE Form 2026. If additional space is needed, complete an additional form(s) for the firm or attach a spreadsheet on DBE FIRM letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	PILE SUPPLY SEE ATTACHED			3,173,706		1,904,223.60
			TOTALS FOR THIS DBE FIRM:			

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items and/or Mobilization item #JS671010, will not be approved within the DBE Utilization Plan for DBE subcontractors but credit may be allowed if performed as part of specific pay item(s) during contract execution. Reference Sections II, VI.A.2 and VI.B.1 of the Special provision for DBE Participation. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amoun

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business** days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.

[redacted] ESTIMATOR

Signature for Prime Contractor — Title

Date: 06/05/2020

Contact: Shamik Amin

Phone: 630-387-6040

Firm Name: Judlau Contracting, Inc.

Address: 1011 Warrenville Rd, #195 Lisle IL 60532

[redacted] President

Signature for DBE Contractor — Title

Date: June 4, 2020

Contact: Donna M. Herpich

Phone: (708) 430-0500

Firm Name: Great Lakes Metals Corporation

Address: 6920-22 S. Octavia Ave., Bridgeview, IL 60455

Great Lakes Metals Corp.

8920 S. Octavia
Bridgeview, IL 60455
Voice: (708) 430-0500
Fax: (708) 430-0505

WBE/ DBE / FBE Certified – State of IL
WBE / DBE Certified – State of IN
WDBE Certified – State of WI
DBE Certified – State of TN

www.greatlakesmetals.com

May 18, 2020

Quote to: All Bidding Contractors

RE: ISTHA - I-17-4339
I-294 Over UPRR
Cook County – H-Pile

Quote #060420-4339-HP/WF

We are pleased to quote the following:

Notes:
1) All material is new, domestic, uncoated ASTM A992/A572 Grade 50 unless otherwise noted. .
2) Price includes delivery to jobsite in full truckload releases only. Prices are based on shipping minimum of 40,000 Lbs. on each truck. Partial loads will result in additional freight. Exclusions apply.
3) Changes to the quantity, type of materials or lengths will affect pricing.

Qty/Unit	Description	Price/UOM
Approx. 386,900 Lbs.	**HP12 x 53 Piling** **(30' to 50' lengths in 5' increments)**	**$40.58/CWT**

Additional Pricing:
55'/60' lengths @ $41.00/cwt
65'/70' lengths @ $42.00/cwt
75'/80' lengths @ $42.95/cwt
85'/90' lengths @ $43.37/cwt
95'/100' lengths @ $44.58/cwt
105'/110'/115' lengths @ $45.63/cwt

Approx. 1,424,000 Lbs.	**HP14 x 89 Piling** **(30' to 50' lengths in 5' increments)**	**$40.58CWT**

Additional Pricing:
55'/60' lengths @ $41.00/cwt
65'/70' lengths @ $42.00/cwt
75'/80' lengths @ $42.95/cwt
85'/90' lengths @ $43.37/cwt
95'/100' lengths @ $44.58/cwt
105'/110'/115' lengths @ $45.63/cwt

Approx. 448,800 Lbs.	**HP14 x 102 Piling** **(30' to 50' lengths in 5' increments)**	**$40.58/CWT**

Additional Pricing:
55'/60' lengths @ $41.00/cwt
65'/70' lengths @ $42.00/cwt
75'/80' lengths @ $42.95/cwt
85'/90' lengths @ $43.37/cwt
95'/100' lengths @ $44.58/cwt
105'/110'/115' lengths @ $45.63/cwt

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Approx.	**4,680,000 LB**	**HP14 x 117 Piling (30'-50' lengths in 5' increments)**	**$40.58/cwt**

Additional Pricing:
55'/60' lengths @ $41.00/cwt
65'/70' lengths @ $42.00/cwt
75'/80' lengths @ $42.95/cwt
85'/90' lengths @ $43.37/cwt
95'/100' lengths @ $44.58/cwt
105'/110'/115' lengths @ $45.63/cwt

		New Model PAR-12T Pile Points – Attached	**$105.26/ea**
		New Model HP-30000 Splicers (12") – Loose	**$110.53/ea**
		New Model PAR-14T Pile Points – Attached	**$115.79/ea**
		New Model HP-30000 Splicers (14") – Loose	**$121.05/ea**
Approx.	**15,540 LB**	**W21 x 111 WF Beam (30'-50 lengths in 1' increments)**	**$48.42/cwt**

Add + the following to the listed pricing if needed:
- $33.68/LF – Sherwin Williams Zinc Clad II Plus Inorganic Zinc Rich Coating – blast and coat per manufactures' recommendations. We inspect per the attached SSPC PA-2 specicifications.

Approx.	**17,080 LB**	**W21 x 122 WF Beam (30'-50' lengths in 1' increments)**	**$48.42/cwt**

Add + the following to the listed pricing if needed:
- $33.68/LF – Sherwin Williams Zinc Clad II Plus Inorganic Zinc Rich Coating – blast and coat per manufactures' recommendations. We inspect per the attached SSPC PA-2 specicifications.

Approx.	**69,960 LB**	**W21 x 132 WF Beam (30'-50' lengths in 1' increments)**	**$48.42/cwt**

Add + the following to the listed pricing if needed:
- $33.68/LF – Sherwin Williams Zinc Clad II Plus Inorganic Zinc Rich Coating – blast and coat per manufactures' recommendations. We inspect per the attached SSPC PA-2 specicifications.

Approx.	**182,280 LB**	**W21 x 147 WF Beam (30'-50' lengths in 1' increments)**	**$48.42/cwt**

Add + the following to the listed pricing if needed:
- $33.68/LF – Sherwin Williams Zinc Clad II Plus Inorganic Zinc Rich Coating – blast and coat per manufactures' recommendations. We inspect per the attached SSPC PA-2 specicifications.

Approx.	**37,350 LB**	**W21 x 166 WF Beam (30'-50' lengths in 1' increments)**	**$48.42/cwt**

Add + the following to the listed pricing if needed:
- $33.68/LF – Sherwin Williams Zinc Clad II Plus Inorganic Zinc Rich Coating – blast and coat per manufactures' recommendations. We inspect per the attached SSPC PA-2 specicifications.

Certified WBENC

General Remarks

- Freight included
- Prices do not include tax
- All HP material quoted would come from a Q4 2020 mill rolling(s) with start of delivery to jobsite in Q1 2021 (Barge/Truck delivery)
- All WF material would come from next available mill rolling, subject to available tonnage at time of order placement (Truck delivery)
- Quantities are approximates and may vary from contractor to contractor. If you have any questions please inquire
- It is the customer's responsibility to confirm and verify the below quoted material, lengths and quantities meet all project specs prior to bidding and ordering process
- COATING (if applicable) – All coating T&C's apply (attached). Coating may get damaged during transportation and/or from handling. Touch ups are the responsibility of the customer in the field. All coating must be inspected at coating facility prior to shipment. Once material ships it is deemed acceptable by the customer. It is the customer's responsibility to get the SW coating quoted approved and accepted.
- Material will be invoiced upon shipment to the jobsite or as stored material, which ever occurs first, and payable according to Net30 terms with NO retainage allowed. All HP will ship from the mill to our Chicago IL yard via barge in Q4 2020 and then trucked to the jobsite in full truck load quantities only during normal business hours (M-F, 8am-2pm CST). No mixed length loads allowed.
- Storage – Material can be stored free of charge thru Q4 2020 as long as all invoices are paid in full. If all invoices are not paid in full then ALL material will get charged storage fees ($6.35/NT per month). All material must be shipped in full by July 2023.
  - 2021 storage fees –$ 6.35/NT per month
  - 2022 storage fees - $7.40/NT per month
  - 2023 storage fees - $8.45/NT per month

Thank you for the opportunity to quote.

Karen Regan
Bid Coordinator

Certified WBENC

Terms and Conditions for Coated Material

- Coating is quoted FOB the coating facility. All coating material must be inspected and accepted at the coating facility prior to shipment. It is your responsibillty to initiate and arrange any coating inspection with your sales person. Not having the material inspected at the coater prior to shipment implies acceptance FOB the coater.

- The Loading and delivery sequence must be determined prior to the start of coating. Changes to the agreed upon sequence may require significant handling and storage charges, we reserves the right to charge the purchaser for these costs.

- Damage during load out, transportation, unloading and on site handling is normal and expected. We will supply adequate touch up paint to account for this. Repair of this damage is the responsibility of the purchaser.

- Prices are based only on the specifications, materials, quantities, lengths, grades, coating type and coating areas identified on our proposal. Any changes may affect prices. Please inquire for pricing if changes are required.

- In the event that purchaser claims any damages related to the coating, the amount of damages shall be limited to the value of the coating. Once the coated product leaves the coating facility, it is the purchaser's responsibility to protect the product from damage. This includes, but is not limited to, damage caused by improper coating specification, shipping, unloading, erection, improper jobsite storage, acts of God and exposure to aggressive atmospheric or chemical conditions at the delivery site.

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Great Lakes Metals Corporation
Donna Herpich
8920 S. Octavia
Bridgeview, IL 60455

County: Cook

Email: dherpich@greatlakesmetals.com

Phone: 708-430-0500

Fax: 708-430-0505

Categories: Supplier

NAICS	Speciality
NAICS Code: 423510 Metal Service Centers and Other Metal Merchant Wholesalers	NAICS Code: 423510 Metal Service Centers and Other Metal Merchant Wholesalers, Specialty: Sheet Pile, H-Pile, Shell Pile, Rebar, Grating Hot Rolled, Cold Rolled and Galvanized flat rolled, structurals, bar, tubing, pipe Stainless Steel sheets in all thicknesses and finishes, other flat rolled products, structurals, bar, tubing, pipe Aluminum flat rolled, structurals, bar, tubing, pipe

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	DIVINE CEMENT INC.
CIRCLE ALL THAT APPLY:	DBE X MBE X WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME _____ JV PARTNER _____ SUBCONTRACTOR X TRUCKER _____ SUPPLIER _____ MANUFACTURER _____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO. *	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	PLEASE SEE ATTACHED					$6,839,713.80
	TOTALS FOR THIS DBE FIRM:					$6,839,713.80

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount. PLEASE SEE ATTACHED

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a [redacted] **BE Participation and can subject the contractor to co**[redacted]

[redacted] ESTIMATOR 06/05/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin
Firm Name: Judlau Contracting, Inc.
E-mail: shamik.amin@ohlna.com
Phone: 630-387-6040
Address: 1011 Warrenville Rd, #195, Lisle IL 60532

[redacted] — Title — Date

Contact: LAWRENCE GREEN
Firm Name: DIVINE CEMENT INC.
E-mail: ESTIMATING@DIVINECEMENT.COM
Phone: 815-719-1315
Address: 527 VERA CT. JOLIET ILL 60435

DIVINE CEMENT, INC.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-17-4339
ELGIN O'HARE WEST ACCESS TOLLWAY (I-490)
ROADWAY AND BRIDGE WIDENING AND RECONSTRUCTION
TRI-STATE TOLLWAY (I-294)
SOUTH OF GRAND AVENUE TO WOLF ROAD
MILE POST 35.04 TO MILE POST 36.70
WESTERN ACCESS TOLLWAY (I-490)
RAMP S1 AND RAMP S2
MILE POST 0.00 TO MILE POST 00.25
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	51100100	SLOPE WALL 4 INCH	SQ YD	36	$85.00	$3,060.00
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.12	FOOT	56	$35.00	$1,960.00
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24	FOOT	74	$40.00	$2,960.00
*	Z0073346	SLEEPER SLAB	SQ YD	616	$95.00	$58,520.00
*	JI420022	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	SQ YD	540	$70.00	$37,800.00
*	JI485020	TEMPORARY PAVEMENT, CLASS 2	SQ YD	1,234	$65.00	$80,210.00
*	JI485030	TEMPORARY PAVEMENT, CLASS 3	SQ YD	755	$70.00	$52,850.00
*	JI606010	GUTTER, TYPE G-2	FOOT	1,848	$35.00	$64,680.00
*	JI606020	GUTTER, TYPE G-3	FOOT	861	$37.00	$31,857.00
*	JI606030	GUTTER, TYPE G-3, MODIFIED	FOOT	87	$40.00	$3,480.00
*	JI606050	CONCRETE GUTTER (SPECIAL)	FOOT	6,315	$33.00	$208,395.00
**	JS120715	ENERGY ATTENUATOR CONCRETE PAD	SQ FT	414	$30.00	$12,420.00
*	JT420104	JOINTED PLAIN CONCRETE PAVEMENT FOR COMPOSITE PAVEMENT 11"	SQ YD	92,172	$68.15	$6,281,521.80
					TOTAL AMOUNT OF CORE WORK	$6,839,713.80

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-17-4339
ELGIN O'HARE WEST ACCESS TOLLWAY (I-490)
ROADWAY AND BRIDGE WIDENING AND RECONSTRUCTION
TRI-STATE TOLLWAY (I-294)
SOUTH OF GRAND AVENUE TO WOLF ROAD
MILE POST 35.04 TO MILE POST 36.70
WESTERN ACCESS TOLLWAY (I-490)
RAMP S1 AND RAMP S2
MILE POST 0.00 TO MILE POST 00.25
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR

Divine Cement, Inc's proposal do not include stone anywhere. Our quotes include standard Certificates of Insurance. Any additional insurance or specific wording for the certificate of insurance that incurs extra costs will be back charged to the prime. Pricing is good through December 2021 and does not include any incidentals not specifically mentioned. No bond. Any increase in material or labor costs shall be back charged to the Prime. Quote does not include any caulking or blowing out of joints. Any extra charges for winterization will be the responsibility of the prime. Any labor or materials required to cover concrete due to low temperatures, is the responsibility of the prime.

1. This proposal does not include Traffic protection, Flaggers, Traffic Control, and No QAQC concrete testing.

2. Layout engineering will be performed by the Contractor.

3. No night work No steel for the moment slabs, transition slabs, attenuator pads or approach slabs

4. Payment for performance must be paid bi-weekly.

5. Access road by others and all backfill and restoration by others.

6. Work week will consist of 8 Daytime hours per day, Monday through Friday.

7. No Holidays or Weekends, any acceleration on this project requiring overtime, weekend hours or double manpower will be an extra charge for man hours and equipment along with markups.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-17-4339
ELGIN O'HARE WEST ACCESS TOLLWAY (I-490)
ROADWAY AND BRIDGE WIDENING AND RECONSTRUCTION
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MILE POST 0.00 TO MILE POST 00.25
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR

8. No Sub-grade preparation to plan elevations. No removals. No overhanging or scaffolding building

9. No railroad insurance or fuel adjustment participation.

10. Underground/Sewer/Utilities work is 100% the responsibility of others. No tree or brush removals.

11. Additional cost for ice or any other cooling method for the concrete in hot temperatures is the responsibility of the prime.

Quotes include 20 mobilizations. Additional mobilizations will be billed at $4000.00 each.

7% mobilization is due 2 weeks after contract is awarded.

All of the above is subject to a formal contract agreement.

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Divine Cement Inc.
Lawrence Green
527 Vera Ct.
Joliet, IL 60436

County: Will

Email: lawrence.green32@yahoo.com

Phone: (815) 582-4605

Fax: (815) 582-4605

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- CURB & GUTTER, SIDEWALKS
238110-Poured Concrete Foundation and Structure Contractors	PAVEMENT PATCHING
	238110- MISCELLANEOUS CONCRETE

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Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	Bryan Environmental Consultants, Inc.
CIRCLE ALL THAT APPLY:	(DBE) MBE (WBE) SBA 8(A)

CHECK ALL THAT APPLY:					
PRIME _____	JV PARTNER _____	SUBCONTRACTOR X	TRUCKER _____	SUPPLIER _____	MANUFACTURER _____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): Y N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO. *	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
66900530	Soil Disposal Analysis	18	$1,100.00	$19,800.00		
JI669015	On-Site Monitoring of Regulated Substances	320	$676.00	$216,320.00		
JT669030	Earthwork Construction Plan	1	$3,000.00	$3,000.00		
JT669040	Earthwork Final Construction Report	1	$2,500.00	$2,500.00		
			TOTALS FOR THIS DBE FIRM:	$241,620.00		

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] — Exec. — 6-5-20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd, #195 Lisle, IL 60532

[redacted] — President — June 4, 2020

Signature for DBE Contractor — Title — Date

Contact: Patricia M. Bryan

Firm Name: Bryan Environmental Consultants, Inc.

E-mail: pbryan@bryanenv.com

Phone: 312.403.0846 (cell) and 708.922.9020 (office)

Address: 17926 Dixie Highway, Suite B, Homewood, IL 60430

Bryan Environmental Consultants, Inc.
17926 Dixie Highway, Suite B
Homewood, IL 60430
Office Phone: 708-922-9020
Cell Phone: 312-403-0846

June 4, 2020

Aaron Henneberg, Lead Estimator
Judlau Contracting, Inc.
1011 Warrenville Road, Suite 195
Lisle, IL 60532

Phone: 630-387-6062
Mobile:
email: Aaron.Henneberg@ohlna.com
dasmith@ohlna.com

Scope of Work: ISTHA I-17-4339
EOWA I-490 South of Grand Avenue to Wolf Road, Ramps S1 and S2

Location: Tri-State Tollway (I-294) between Mile Post 35.04 and Mile Post 36.70
Elmhurst, DuPage County and Northlake and Franklin Park, Cook County, Illinois

ITEM	DESCRIPTION	Amount	Unit	Quantity	Total
66900530	Soil Disposal Analysis	$1,100	each	18	$19,800.00
JI669015	On-Site Monitoring of Regulated Substances	$676.00	cal days	320	$216,320.00
JT202009	Non-Special Waste Disposal, Type 1	$69.00	cubic yard	18,939	$1,306,791.00
JT669030	Earthwork Construction Plan	$3,000.00	lump sum	1	$3,000.00
JT669040	Earthwork Final Construction Report	$2,500.00	lump sum	1	$2,500.00
Estimated Total					**$1,548,411.00**

Notes:

Bryan Environmental Consultants, Inc. is a woman-owned business enterprise (WBE) certified by the City of Chicago and the State of Illinois. Copies of current WBE certifications and a Disadvantaged Business Enterprise (DBE) Form 2025 Participation Statement are attached to this bid; Bryan is an IL Unified Certification Program (UCP)-certified DBE firm.

Addendum No. 1 was issued May 5, 2020
Addendum No. 2 was issued May 19, 2020

Vendor Information

CLOSE WINDOW [X]

Print

Business & Contact Information

Business Name	**Bryan Environmental Consultants, Inc.**
Owner	**Ms. PATRICIA MORRIS BRYAN**
Address > Map This Address	**17926 Dixie Highway, Suite B** **Homewood, IL 60430-3056**
Phone	**708-922-9020**
Email	pbryan@bryanenv.com
Website	http://www.bryanenv.com
Ethnicity	**Caucasian**
Gender	**Female**
County	**Cook (IL)**

Certification Information

Certifying Agency	**State of Illinois Central Management Services**
Certification Type	**WBE - Women Business Enterprise**
Renewal Date	**2/7/2019**
Expiration Date	**2/7/2023**
Certified Business Description	**NIGP 91843 Environmental Consulting** **NIGP 92678 Remediation Services, Environmental (Including Rehabilitation Services Hazardous Waste and Mold Remediation)** **NIGP 92683 Site Assessment, Environmental** **NIGP 92685 Soil, Soil Vapor, and Groundwater Sampling and Analysis (Including Disposal)**

Commodity Codes

Code	Description
NIGP 91843	Environmental Consulting
NIGP 92678	Remediation Services, Environmental (Including Rehabilitation Services Hazardous Waste and Mold Remediation)
NIGP 92683	Site Assessment, Environmental
NIGP 92685	Soil, Soil Vapor, and Groundwater Sampling and Analysis (Including Disposal)

Additional Information

Region	**Metro Chicago**

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Bryan Environmental Consultants, Inc.**
OWNER	**MS. PATRICIA MORRIS BRYAN**
ADDRESS	**17926 Dixie Highway, Suite B** **Homewood, IL 60430**
PHONE	**708-922-9020**
FAX	**708-957-8588**
EMAIL	**pbryan@bryanenv.com**

Map This Address

Certification Information

CERTIFYING AGENCY	**City of Chicago**
CERTIFICATION TYPE	**WBE - Women Business Enterprise**
CERTIFICATION DATE	**5/18/2020**
RENEWAL DATE	**4/1/2021**
EXPIRATION DATE	**4/1/2023**
CERTIFIED BUSINESS DESCRIPTION	**541620 - Environmental Consulting Services** **562910 - Environmental remediation services**

Commodity Codes

Code	Description
NAICS 541620	Environmental consulting services
NAICS 562910	Environmental remediation services

Additional Information

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

APR 26 2018

Patricia M. Bryan
Bryan Environmental Consultants, Inc.
17926 Dixie Highway, Suite B
Homewood, IL 60430

Dear Patricia M. Bryan:

We are pleased to inform you that **Bryan Environmental Consultants, Inc.** has been certified as a **Women-Owned Business Enterprise ("WBE")** by the City of Chicago ("City"). This **(WBE)** certification is valid until **4/1/2023**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **4/1/2019, 4/1/2020, 4/1/2021, and 4/1/2022.** Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **4/1/2023**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **2/1/2023.**

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **(WBE)** if you fail to:

- File your annual No-Change Affidavit within the required time period;

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than $5,000 and not more than $10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):
541620 - Environmental Consulting Services
562910 - Environmental remediation services

Your firm's participation on City contracts will be credited only toward **Women-Owned Business Enterprise** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities (MBE/WBE/VBE/BEPD) Program.

Sincerely,

[redacted]

Rich Butler
First Deputy Procurement Officer
RB/lj

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

May 1, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Patricia M. Bryan
Bryan Environmental Consultants, Inc.
17926 Dixie Hwy., Ste. B
Homewood, IL 60430

Dear Ms. Bryan:

The Illinois Department of Transportation (IDOT), your host agency, is pleased to notify you that your firm has met the requirements for Disadvantaged Business Enterprise (DBE) program certification in accordance with the governing federal regulations, 49 CFR part 26.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra, and Pace.

Your certification is approved commencing on **April 16, 2019**. To remain certified with the IL UCP you must submit a *No Change Affidavit* each year. Notification will be sent to you sixty (60) days prior to the anniversary date of your certification. It is your responsibility to ensure that your certification is kept current by submitting the required information in a timely manner. Failure to provide this information is grounds for removal of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

If there is any change in circumstances that affects your ability to meet size, disadvantaged status, ownership, or control requirements, or any material change in the information provided in your application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is grounds for removal of certification pursuant to 49 CFR 26.83(i).

Your firm's name will appear in the IL UCP DBE Directory in the following area(s) of specialty:

ENVIRONMENTAL CONSULTING
HAZARDOUS WASTE / REMEDIAL INVESTIGATION
MISC: CONTAMINATED SOIL REMEDIATION
MISC: TOXIC & HAZARDOUS WASTE ENGINEERING
SITE REMEDIATION CONSULTING SERVICES
SPEC. & HAZARD. UNDERGRND. STORAGE TANKS

This Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed on the Internet at http://www.dot.state.il.us/ucp/ucp.html.

Your participation on contracts will only be credited toward DBE contract goals when you perform in your firm's approved area(s) of specialty. Credit for participation in an area outside your specialty requires prior approval (verification of resources, expertise, and corresponding support documentation, etc.).

Please note:

- This certification does not attest to your firm's abilities to perform in the approved work categories.
- Your certification may be revoked if your firm is found to be involved in bidding or contractual irregularities or has violated DBE program regulations pursuant to 49 CFR Part 26.107.
- For work to count toward a DBE contract goal, the DBE firm must perform a "commercially useful function" pursuant to 49 CFR Part 26.55. A DBE is considered to perform a commercially useful function when it is responsible for execution of a distinct element of the work of a contract and carrying out its responsibilities by performing, managing, and supervising the work involved.
- Firms seeking work with IDOT as a prime or subconsultant in specialized engineering categories must be prequalified by IDOT's Bureau of Design and Environment.
- Firms seeking work with IDOT as a prime construction contractor must be prequalified by IDOT's Bureau of Construction.

Please direct all inquiries and any questions to this agency at (217) 782-5490.

Sincerely,

[redacted]

Debra A. Clark, Bureau Chief
Bureau of Small Business Enterprises

Enclosure

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Bryan Environmental Consultants, Inc.
Patricia M. Bryan
17926 Dixie Hwy., Ste. B
Homewood, IL 60430-3055

Email: pbryan@bryanenv.com
Phone: (708) 922-9020
Fax: (708) 957-8588

County: Cook

Categories: Architecture\Engineering, Miscellaneous, Professional

NAICS	Speciality
541620-Environmental Consultant Services	541620- ENVIRONMENTAL CONSULTING
562910-Remediation Services	562910- MISC: CONTAMINATED SOIL REMEDIATION
	SPEC. & HAZARD. UNDERGRND. STORAGE TANKS
	MISC:TOXIC & HAZARDOUS WASTE ENGINEERING
	SITE REMEDIATION CONSULTING SERVICES
	HAZARDOUS WASTE / REMEDIAL INVESTIGATION

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Version: 1.1.27.5458

Illinois Department of Transportation

Bryan Environmental Consultants, Inc.

is hereby certified as a

Disadvantaged Business Enterprise

This certificate is valid under current firm ownership and operational control only and supersedes any authorization or listing previously issued.

[redacted]

Omer Osman
Acting Secretary
Illinois Department of Transportation

[redacted]

Pamela R. Simon
Director
Office of Business & Workforce Diversity

Effective the 16th day of April 2019

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	4339

DBE FIRM NAME:	ATLANTIC PAINT
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME _____ JV PARTNER _____ SUBCONTRACTOR _____ TRUCKER _____ SUPPLIER _____ MANUFACTURER _____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only, or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	SEE ATTACHED					1,504,028.65
			TOTALS FOR THIS DBE FIRM:			1,504,028.65

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance Items, including but not limited to Mobilization Item #IS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] ESTIMATOR 06/05/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630.387.6040

Address: 1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] PRESIDENT

Signature for DBE Contractor — Title — Date

Contact: PAUL BZOVL

Firm Name: Atlantic Painting Co, INC.

E-mail: BOB@AtlanticPainting.com

Phone: 708-636-2040

Address: 16019 Southwest Highway, Oaklawn, IL 60453

Commercial * Civil * Industrial

Atlantic Painting Co., Inc.

10019 Southwest Highway Oak Lawn, Illinois 60453-3725 Phone 708/636-2040 Fax 708/636-2442

PROPOSAL

June 5-2020

Illinois State Toll Highway Authority
Elgin O'Hare West Access Tollway (I-490)
Roadway And Bridge Widening And Reconstruction
Tri-State Tollway (I-294)
South Of Grand Avenue To Wolf Road Mile Post 35.04 To 36.70
Western Access Tollway (I-490) Ramp S1 And Ramp S2
Contract I-17-4339

Atlantic Painting Co., Inc. proposes to furnish labor, material, insurance, equipment and supervision necessary to complete the work as follows:

58700300 Concrete Sealer	11,859 Sq Ft.	$ 21,939.15
X5030290 Stain Concrete Structures	4,337 Sq Ft.	$ 13,011.00
X5870015 Bridge Deck Concrete Sealer	3,793 Sq Ft	$ 12,327.25
JI505231 Furnishing And Erecting Structural Steel No.1	L. Sum 1	$ 317,400.00
JI505232 Furnishing And Erecting Structural Steel No.2	L. Sum 1	$ 523,200.00
JI522500 Mechanically Stabilized Earth Retaining Wall	185,181 Sq Ft.	$ 231,476.25
JT599029 Decorative Concrete Pattern	4 Each	$ 8,000.00
X5060601 Containment And Dis Of Non-Lead Pt Cl Res No.1	L. Sum 1	$ 20,000.00
Z0010501 Cleaning And Painting Steel Bridge No.1 Wolf Rd Over I-294.	L. Sum 1	$356,675.00

$1,504,028.65

Qualifications:
APC is a Union DBE/WBE Specialty Contracting entity with DBE certification by Illinois UCP, Wisconsin DOT, Indiana DOT, The WBE certification is with the City of Chicago, Illinois DOT, Metropolitan Water Reclamation District of Greater Chicago, Chicago Transit Authority, METRA (Chicago Area Transit Rail) and PACE (Chicago Area Transit Bus). APC is also a SSPC PCCP QP1 and QP2 Certified Contractor. Copies of CDOT schedule C, or IDOT Form SBE 2025 or ISTHA Form #2025 and the IL-UCP DBE Certification or City Of Chicago WBE Certification Letters, and the SSPC-QP1 and QP2 Certification are enclosed herein for file.

Exclusions:
All Surface Preparation Work associated with Type "A-514", "T-1", and/or "HT" High Strength, Low Alloy, Tempered and Quenched Structural Steel, Local permits, performance and payment bond, traffic control 'Flaggers" and traffic safety devices, railroad insurance and railroad flaggers if required, aerial man lifts, correction to damages caused by others, cleaning concrete spills, splashed on concrete or steel, climate control; of any kind, access to site, engineers field office, painting in areas and sections other than the those listed in the bidding instructions, protecting painted surfaces from excessive dust and/or airborne contaminants after coating applications and OT premium differential for working off shift and/or weekend shift operations at the project Owners or Prime Contractor's request and/or direction to expedite the work or accommodate other scheduling changes. No Sandblasting of Concrete or cleaning concrete splash off concrete. or steel.

Clarifications:
Per Plans and Specifications. ***Fill In Special Instructions or Job Specific Clarifications***Bid proposal is based on including a separate Schedule of Values line item titled "MOBILIZATION" for Submittals, Engineering, Initial Layout and Work Plan which will be at 3% of the Total Sub-Contract Amount for Atlantic Painting Co., Inc. and billed prior to startup of work. All Contract Indemnification Coverage Furnished By Atlantic Painting Co., Inc. is not based on "No Limits" and/or includes any other "Kotecki" language, and is based entirely on APC Insurance Coverage Limits with $2M Commercial General Liability coverage and/or with $10M Umbrella Liability Coverage. Any Additional Force Account (Time and Material) that is required will be processed by immediately initiating an initial Contract Change Order in order to proceed with Force Account Work. All Force Account work generated by Atlantic Painting Co., Inc. will be documented daily, copied and endorsed by the owner's and/or Prime Contractor's designated representative to confirm work completion, labor time, material consumption and/or equipment usage, and each invoice with Force Account work is to be paid out within 45 days of billing date. APC will track accrued Force Account work and should the initial Change Order not be processed, APC will STOP all additional non-contract work when accrued costs have reached $2,000. No rubbing of concrete or filling of holes, areas to be sealed. No Rail Road Ins or flaggers. No sandblasting of existing concrete. Steel and cleaning splashed concrete off of steel or concrete. General contractor, to set up traffic control, concrete barrier, lane closures and flaggers. No Bond. Contractor to, give access to all areas of project. Retaining walls wash and stain. New Bridge ramp S1 and S2 painting connections and fascia beam and touch up.

Proposal Approved By: [redacted] Atlantic Painting Co., Inc.

Rozina J. Karnavas, President

Paul Bzdyl

Project Manager 708-466-3423

Women's Business Enterprise

IAIPC, SSPC, PDCA * Bonded, Licensed, Insured
An Equal Opportunity Employer

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Atlantic Painting Co.
Rozina J. Karnavas
10019 Southwest Hwy.
Oak Lawn, IL 60453-3725

County: Cook

Email: bids@atlanticpainting.com

Phone: 708-636-2040

Fax: 708-636-2442

Categories: Construction

NAICS	Speciality
NAICS Code: 238320 Painting and Wall Covering Contractors NAICS Code: 238990 All Other Specialty Trade Contractors	NAICS Code: 238320 Specialty: Painting (except roof) (contractors industrial and commercial) NAICS Code: 238990 Specialty: Sandblasting, building exterior sandblasting.

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pace
Connecting Communities

Rocky Donahue
Executive Director

March 16, 2020

Rozina J. Karnavas
Atlantic Painting Co.
10019 Southwest Hwy.
Oak Lawn, IL 60453-3725

Dear Ms. Karnavas:

Pace, has reviewed your annual No Change Affidavit and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Part 26.61. Your next No Change Affidavit is due **April 1, 2021.** Notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in circumstances that affect your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is a ground for denial of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed on the Internet at www.pacebus.com. Your firm's name will appear in the IL UCP DBE Directory under the following category name(s):

- NAICS Code: 238320 Painting and Wall Covering Contractors
  - Specialty: Painting (except roof) (contractors industrial and commercial)

- NAICS Code: 238990 All Other Specialty Trade Contractors
  - Specialty: Sandblasting, building exterior sandblasting.

Your participation on contracts will only be credited toward DBE contract goals when you perform in your firm's approved area(s) of specialty. Credit for participation in an area outside your specialty requires prior approval (verification of resources, expertise, and corresponding support documentation, etc.).

Sincerely,

[redacted]

Donald Mayes
DBE Liaison Officer

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	Midco Electric Supply
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR ____ TRUCKER ____ SUPPLIER X MANUFACTURER ____

SUBCONTRACTOR: TIER 1 (SUB TO PRIME): Y [N] TIER 2 OR BELOW: (Y) N UNDER CONTRACT TO: MEADE

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.	DESCRIPTION: Indicate whether furnish only, or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	See Attached Quote					
				$409,109.60	X	$245,465.67
	TOTALS FOR THIS DBE FIRM:					245,465.67

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #J5671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] ESTIMATOR

Signature for Prime Contractor

Contact: Shamik Amin
Firm Name: Judlau Contracting, Inc.
E-mail: shamik.amin@ohlna.com
Phone: 630.387.6040
Address: 1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] President 06/02/2020

Signature for DBE Contractor | Title | Date

Contact: Diane Quinlan
Firm Name: Midco Electric Supply
E-mail: Diane@midcoelectric.com
Phone: 708-599-7777
Address: 7237 W. 90th Place, Bridgeview, IL 60455

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Midco Electric Suppy, Inc.
Diane Quinlan
7237 W. 90th Place
Bridgeview, IL 60455-0000

County: Cook

Email: dquinlan@midcoelectric.com

Phone: 708-599-7777

Fax: 708-599-4178

Categories: Supplier

NAICS	Speciality
423610 - Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers 423690 - Electronic parts (e.g., condensers, connectors, switches) merchant wholesalers	ELECTRICAL APPARATUS AND EQUIPMENT, WIRING SUPPLIES AND RELATED EQUIPMENT MERCHANT WHOLESALERS:SALES AND DISTRIBUTION OF INDUSTRIAL ELECTRICAL COMPONENTS

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MIDCO
I-294 SOUTH OF GRAND AVE TO WOLF RD
ISTHA I-17-4339
6/5/2020

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE $$$ US
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	1730	FOOT	$ 5.55
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	467	FOOT	$ 11.39
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	387	FOOT	$ 13.04
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	606	FOOT	$ 17.88
81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	1223	FOOT	$ 11.46
81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	20	FOOT	$ 25.30
81200215	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	853	FOOT	$ 0.43
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	22	EACH	$ 141.00
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	11	EACH	$ 290.00
81603055	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	2482	FOOT	$ 2.00
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	4351	FOOT	$ 0.28
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	70	FOOT	$ 3.18
81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	12440	FOOT	$ 2.18
JI811272	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	979	FOOT	$ 12.39
JI811276	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	380	FOOT	$ 23.02
JI811282	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., STAINLESS STEEL	256	FOOT	$ 63.93
JS810130	UNDERGROUND CONDUIT, STAINLESS STEEL, 4" DIA.	1940	FOOT	$ 54.80
JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	427	FOOT	$ 1.47
JS810835	UNDERGROUND CONDUIT, PVC, 2" DIA.	913	FOOT	$ 0.62
JS810839	UNDERGROUND CONDUIT, PVC, 4" DIA.	380	FOOT	$ 1.62
JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	290	FOOT	$ 2.70
JS810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 6" DIA.	2420	FOOT	$ 3.95
JS812023	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	21331	FOOT	$ 0.62
JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	800	FOOT	$ 1.82

JS812028	CONDUIT EMBEDDED IN STRUCTURE, 1 1/4" DIA., PVC	14294	FOOT	$ 0.73
JS813001	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 20" X 12" X 8"	2	EACH	$ 814.00
JS813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 32" X 12" X 8"	4	EACH	$ 814.00
JS813015	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 20" X 12" X 8"	1	EACH	$ 814.00
JS813022	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	28	EACH	$ 152.00
JS813053	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	4	EACH	$ 301.00
JS813055	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	30	EACH	$ 281.00
JS813083	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	1	EACH	$ 1,976.00
JS813094	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	7	EACH	$ 759.00
JS816038	UNIT DUCT, WITH 4-1/C NO. 8 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	1630	FOOT	$ 2.78
JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	1410	FOOT	$ 6.24
JS816078	UNIT DUCT, WITH 4-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	938	FOOT	$ 7.26
JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	5022	FOOT	$ 0.44
JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	97474	FOOT	$ 0.33
JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	3315	FOOT	$ 3.29
JS817224	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 500MCM	360	FOOT	$ 7.00
JT160099	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, TORSION ASSIST, 48"X72"X36"	2	EACH	$ 4,186.00
JT160130	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, 36"X60"X36"	4	EACH	$ 1,667.00
JT810874	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 1 1/2" DIA.	16290	FOOT	$ 0.50
JT810876	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA.	15315	FOOT	$ 0.73
JT810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 4" DIA.	4730	FOOT	$ 2.70
JT813010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE (SPECIAL), 32" X 12" X 8"	1	EACH	$ 825.00

60%

ITEM AMOUNT $$$ US ==========
$ 9,601.50
$ 5,319.13
$ 5,046.48
$ 10,835.28
$ 14,015.58
$ 506.00
$ 366.79
$ 3,102.00
$ 3,190.00
$ 4,964.00
$ 1,218.28
$ 222.60
$ 27,119.20
$ 12,129.81
$ 8,747.60
$ 16,366.08
$ 106,312.00
$ 627.69
$ 566.06
$ 615.60
$ 783.00
$ 9,559.00
$ 13,225.22
$ 1,456.00

$ 10,434.62
$ 1,628.00
$ 3,256.00
$ 814.00
$ 4,256.00
$ 1,204.00
$ 8,430.00
$ 1,976.00
$ 5,313.00
$ 4,531.40
$ 8,798.40
$ 6,809.88
$ 2,209.68
$ 32,166.42
$ 10,906.35
$ 2,520.00
$ 8,372.00
$ 6,668.00
$ 8,145.00
$ 11,179.95
$ 12,771.00
$ 825.00

$ 409,109.60

$ 245,465.76

CHICAGO TRANSIT AUTHORITY

567 West Lake Street
Chicago, Illinois 60661-1498
TEL 312 664-7200
www.transitchicago.com

May 29, 2020

Ms. Diane Quinlan
Midco Electric Suppy, Inc. DBA Midco Electric Supply, Inc.
7237 W. 90th Place
Bridgeview, IL 60455

Dear Ms. Quinlan:

The Chicago Transit Authority has reviewed your No Change Affidavit and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Part 26. Your next No Change Affidavit is due **March 20, 2021**. A notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in your certification that affects your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is a ground for removal of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

Your firm's name will appear in the IL UCP Directory, which is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The directory can be accessed at cta.dbesystem.com. Your firm's name will appear in the Directory under the commodity codes and specialties listed on the following page.

Your participation on contracts will only be credited toward DBE contract goals when your firm performs in a Commercially Useful Function (CUF) in its approved area(s) of specialty.

Please direct all inquiries and any questions to this agency at **(312) 681-2601.**

Sincerely,

[redacted]

JuanPablo Prieto
Director, Diversity Programs
Chicago Transit Authority
Phone: (312) 681.2600
Email: diversity@transitchicago.com

CHICAGO TRANSIT AUTHORITY

567 West Lake Street
Chicago, Illinois 60661-1498
TEL 312 664-7200
www.transitchicago.com

Disadvantaged Business Enterprise (DBE) Certification

May 29, 2020
Midco Electric Suppy, Inc. DBA Midco Electric Supply, Inc.
7237 W. 90th Place
Bridgeview, IL 60455

Your firm's name will appear in the IL UCP DBE Directory, which is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The directory can be accessed at cta.dbesystem.com. Your firm's name will appear in the Directory under the following commodity codes and specialties:

Commodity Codes:
NAICS 423610: ELECTRICAL APPARATUS AND EQUIPMENT, WIRING SUPPLIES, AND RELATED EQUIPMENT MERCHANT WHOLESALERS
NAICS 423690: ELECTRONIC PARTS (E.G., CONDENSERS, CONNECTORS, SWITCHES) MERCHANT WHOLESALERS

In the following Specialties:
ELECTRICAL APPARATUS AND EQUIPMENT, WIRING SUPPLIES AND RELATED EQUIPMENT MERCHANT WHOLESALERS:SALES AND DISTRIBUTION OF INDUSTRIAL ELECTRICAL COMPONENTS

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME	Lyons View Manufacturer & Supply, Inc.
CHECK ALL THAT APPLY	(DBE) (MBE) WBE SBA 8(A)

CHECK ALL THAT APPLY

PRIME _____ JV PARTNER _____ SUBCONTRACTOR _____ TRUCKER _____ SUPPLIER X MANUFACTURER _____

SUBCONTRACTOR	TIER 1 (SUB TO PRIME): Y N	TIER 2 OR BELOW: (Y) N	UNDER CONTRACT TO: [redacted] MEADE

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.	DESCRIPTION: Indicate whether furnish only or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (Include 60% of each delivery unit item as a SUPPLIER)
	Please see attached.			405,464.00	X	243,278.40
	TOTALS FOR THIS DBE FIRM:					243,278.40

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] Estimator

Shamik Amin
Judlau Contracting, Inc.
shamik.amin@ohlna.com
630.387.6040
1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] President 6/5/2020

Signature for DBE Contractor | Title | Date

Contact: Joshua S. Davis
Firm Name: Lyons View Manufacturer & Supply, Inc.
E-mail: jdavis@thewillgroup.com
Phone: 773-669-7721
Address: 5261 W Harrison St Chicago IL 60644

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Lyons View Manufacturer & Supply Inc.
Joshua Davis
5261 West Harrison St.
Chicago, IL 60644-0000

County: Cook

Email: jdavis@lyonsviewmfg.com

Phone: 773-669-7721

Fax: 773-669-7721

Categories: Manufacturing, Supplier

NAICS	Speciality
335129 - Other Lighting Equipment Manufacturing	NAICS 335129 Other Lighting Equipment Manufacturing NAICS 423610 Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
423610 - Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers	

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Version: 1.1.27.5458

Lyons View
I-294 SOUTH OF GRAND AVE TO WOLF RD
ISTHA I-17-4339
6/5/2020

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE $$$ US
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	15	EACH	$ 285.00
83050770	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	8	EACH	$ 2,545.00
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	1	EACH	$ 5,900.00
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	2	EACH	$ 8,255.00
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	1	EACH	$ 9,020.00
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	2	EACH	$ 9,330.00
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	1	EACH	$ 9,425.00
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	1	EACH	$ 9,960.00
JS821010	TEMPORARY FLOOD LIGHTING UNIT	37	EACH	$ 1,115.00
JS821100	LUMINAIRE, LED, HORIZONTAL MOUNT	105	EACH	$ 469.00
JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	3	EACH	$ 2,945.00
JS830006	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	4	EACH	$ 2,656.00
JS830007	BRIDGE MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	1	EACH	$ 2,667.00
JS830013	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 12 FT. MAST ARM	45	EACH	$ 2,657.00
JS830015	WALL MOUNTED LIGHT POLE, ALUMINUM, 50 FT., TWO 6 FT. MAST ARMS	25	EACH	$ 2,668.00
JT821300	TEMPORARY FLOOD LIGHTING UNIT, TO REMAIN IN PLACE	11	EACH	$ 1,133.00

60%

ITEM AMOUNT $$$ US
$ 4,275.00
$ 20,360.00
$ 5,900.00
$ 16,510.00
$ 9,020.00
$ 18,660.00
$ 9,425.00
$ 9,960.00
$ 41,255.00
$ 49,245.00
$ 8,835.00
$ 10,624.00
$ 2,667.00
$ 119,565.00
$ 66,700.00
$ 12,463.00
$ 405,464.00
$ 243,278.40

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Lyons View Manufacturer & Supply Inc.**
OWNER	**Mr. Joshua Davis**
ADDRESS	**5261 West Harrison St.** **Chicago, IL 60644** Map This Address
PHONE	**773-669-7721**
EMAIL	**jdavis@lyonsviewmfg.com**

Certification Information

CERTIFYING AGENCY	**City of Chicago**
CERTIFICATION TYPE	**DBE - Disadvantaged Business Enterprise**
CERTIFICATION DATE	**7/2/2020**
RENEWAL DATE	**4/1/2021**
EXPIRATION DATE	**4/1/2021**
CERTIFIED BUSINESS DESCRIPTION	**NAICS 335129 Other Lighting Equipment Manufacturing** **NAICS 423610 Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers**

Commodity Codes

Code	Description
NAICS 335129	Other Lighting Equipment Manufacturing
NAICS 423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers

Additional Information

WARD	**29**
COMMUNITY AREA	**25 Austin**

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

APR 1 9 2019

Joshua S. Davis
Lyons View Manufacturer & Supply, Inc.
5261 West Harrison Street
Chicago, IL 60644

Dear Mr. Davis:

The City of Chicago has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm, **Lyons View Manufacturer & Supply, Inc.**, continues to meet the **Disadvantaged Business Enterprise ("DBE")** certification program eligibility standards set forth in 49 CFR Part 26. Your next No Change Affidavit is due **April 1, 2020.**

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the City of Chicago, Illinois Department of Transportation, the Chicago Transit Authority, Metra and Pace.

If there is any change in circumstances during the course of your certification period that affect your ability to meet size, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within **thirty (30) days** of the occurrence of the change. Failure to provide this information is a ground for denial of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

Your firm's name will appear in the IL UCP DBE Directory under the following category name(s):

NAICS Code(s):
335129 – Other Lighting Equipment Manufacturing
423610 – Electrical Apparatus/Equipment/Wiring Supplies Wholesalers

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE, and ACDBE firms. The Directory can be accessed on the Internet at https://webapps.dot.illinois.gov/UCP/ExternalSearch.

Your participation on contracts will only be credited toward **DBE** contract goals when you perform in your firm's approved area(s) of specialty. Credit for participation in an area outside your specialty requires prior approval (verification of resources, expertise, and corresponding support documentation, etc.).

Sincerely,

[redacted]

Shannon E. Andrews
Chief Procurement Officer

SEA/em

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	Torres Electrical Contractors LLC
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

☑ CHECK ALL THAT APPLY:						
PRIME ____	JV PARTNER ____	SUBCONTRACTOR XX	TRUCKER ____	SUPPLIER ____	MANUFACTURER ____	

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: (Y) N	UNDER CONTRACT TO: MEADE

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether firm is hauler only or both hauls and installs	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (Indicate 60% of contract amount if firm is a SUPPLIER)
	Please see attached					
						$1,145,340.99
			TOTALS FOR THIS DBE FIRM:			$1,145,340.99

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] Estimator 06/05/20

Signature for Prime Contractor — Title — Date

Shamik Amin
Judlau Contracting, Inc.
shamik.amin@ohlna.com
630.387.6040
1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] Manager/Member 6/3/2020

Signature for DBE Contractor — Title — Date

Contact: Nicolas Torres
Firm Name: Torres Electrical Contractors LLC
E-mail: NTorres@TorresElectricalContractors.com
Phone: 773-458-4200
Address: 25261 Sunderlin Road Plainfield Illinois 60585

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

Torres Electrical Contractor's LLC
Nicolas Torres
25261 Sunderlin Road
Plainfield, IL 60585

County: Cook

Email: torreselectrical@gmail.com

Phone: 773-458-4200

Fax:

Categories: Construction

NAICS	Speciality
NAICS Code 238210 Electrical Contractors and Other Wiring Installation Contractors	NAICS Code: 238210 Speciality: Electrician

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82110026	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	22	EACH	$ 1,847.30	$ 40,640.60
82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	1	EACH	$ 8,351.14	$ 8,351.14
X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	1	EACH	$ 14,122.99	$ 14,122.99
X1400182	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	1	EACH	$ 14,217.49	$ 14,217.49
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	2	EACH	$ 4,125.24	$ 8,250.48
JS821110	UNDERPASS LUMINAIRE, LED	32	EACH	$ 1,394.51	$ 44,624.32
JS825004	LIGHTING CONTROLLER, 200 AMPERE	1	EACH	$ 13,707.40	$ 13,707.40
JS825010	LIGHTING CONTROLLER, SPECIAL	1	EACH	$ 19,103.14	$ 19,103.14
JT130750	INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY	1	EACH	$ 303,757.55	$ 303,757.55
JT130756	ELECTRIC WORK, INTERMEDIATE POWER DISTRIBUTION AND COMMUNICATION FACILITY, NO ITS	1	EACH	$ 152,609.96	$ 152,609.96
JT135042	WEBCAM	2	EACH	$ 162,661.66	$ 325,323.32
JT825025	TEMPORARY LIGHTING CONTROLLER, 480 VOLT, POLE MOUNTED	2	EACH	$ 21,843.64	$ 43,687.28
JS830033	TEMPORARY WOOD POLE, 70 FT., CLASS 3	38	EACH	$ 4,130.14	$ 156,945.32
					$ 1,145,340.99

pace
Connecting Communities

Rocky Donahue
Executive Director

December 16, 2019

Nicolas Torres
Torres Electrical Contractors LLC
25261 Sunderlin Road
Plainfield, IL 60585

Dear Mr. Torres:

Pace has reviewed your annual No Change Affidavit and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Part 26.61. Your next No Change Affidavit is due **February 1, 2021**. Notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in circumstances that affect your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is a ground for denial of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed on the Internet at www.pacebus.com. Your firm's name will appear in the IL UCP DBE Directory under the following category name(s):

- NAICS Code 238210 Electrical Contractors and Other Wiring Installation Contractors
    - Specifically: Electrician

Your participation on contracts will only be credited toward DBE contract goals when you perform in your firm's approved area(s) of specialty. Credit for participation in an area outside your specialty requires prior approval (verification of resources, expertise, and corresponding support documentation, etc.).

Sincerely,

[redacted]

Donald Mayes
DBE Liaison Officer

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #:	I-17-4339

DBE FIRM NAME:	E. King Construction
CIRCLE ALL THAT APPLY:	(DBE) MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR ____ TRUCKER X SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO. *	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
20400800	FURNISH EXC			$ 1,204,000.00		
20201200	REM & DIS. OF UNSUIT.					
50200450	REM & DIS OF UNSUIT FOR STRUCT					
JT202009	NON-SPL WASTE DISP. Pg 1					
			TOTALS FOR THIS DBE FIRM:	$1,204,000.00		

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] — EST — 6-5-20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd, Ste 195 Lisle IL 60532

[redacted] — President — 6/4/20

Signature for DBE Contractor — Title — Date

Contact: Elaine Kim

Firm Name: E. King Construction

E-mail: EKingDBE@Aol.com

Phone: 773-288-9800

Address: 8245 W Columbus Chgo, IL 60652

E. King Construction

3865 W. Columbus Ave
Chicago, IL 60652

OFFICE: (773) 284-9800
FAX: (773) 284-9856
DATE: 06-04-20

Job Quote

Company Name: Judlau Contracting Inc.	
Company Address: 1011 Warrenville Road (#195)-Lisle, IL 60532	
Contact Name: Dalin Smith	
Phone #: 630-387-6040	Fax #: 331-777-5771
Job Name: ISTHA I-17-4339	
Job Number:	Job Start Date: 2020
Terms: Net 30 days date of invoice.	
For each month or part thereof that amounts due hereunder are not paid when due, there will be added to such amount a late charge computed at the rate of 1 1/2% per month or at the maximum rate permitted under applicable law or at such lesser rate as may be established by E. King Construction from time to time. Customer shall pay all cost of collection including a reasonable attorney's fee for services rendered by suit or otherwise in collecting past due invoices.	

Quote good for 30 days

Hourly Cartage End Dumps/Flat Beds:

Monday-Saturday: $110.00 per hour, plus ½ hour travel.
Sunday: $165.00 per hour, plus ½ hour travel.
Monday-Saturday: $125 per hour, plus ½ hour travel (DBE subcontractor).
Sunday: $180 per hour, plus ½ hour travel (DBE subcontractor).

Import Cartage Only:

Stone from Hanson/McCook, Vulcan/McCook or Reliable/Lyons, $8.75 per ton (Dead Head)
Stone from Hanson/McCook, Vulcan/McCook or Reliable/Lyons, $4.40 per ton (Round Robin)
Stone from Rossi/Northlake, $6.00 per ton (Dead Head)
Stone from Lindahl/Bensenville, $6.00 per ton (Dead Head)
Stone from Allied/Franklin Park, $3.95 per ton (Dead Head)
Stone from Builders/O'Hare, $5.95 per ton (Dead Head)
Stone from Bluff City/Bartlett, $11.75 per ton (Dead Head)
Stone from Bluff City/Bartlett, $5.90 per ton (Round Robin)
Stone from Tough Cuts/Forest View, $11.25 per ton (Dead Head)
Stone from Tough Cuts/Forest View, $5.65 per ton (Round Robin)

Export Cartage Only:

Special waste to Laraway/Elwood, $300.00 per load.
Special waste to Countryside/Grayslake, $300.00 per load.
Special waste to Winnebago/Rockford, $415.00 per load.
Special waste to Advanced Disposal/Orchard Hills (Davis Junction), $415.00 per load.
Broken concrete/asphalt to Tough Cuts/Forest View, $225 per load.
Dirt to 5215 Kennedy Avenue, East Chicago, IN $365.00 per load
CCDD to Vulcan/McCook, Hanson/McCook or Reliable/Lyons, $175 per load.
CCDD to Bluff City/Bartlett, $235.00 per load.

CCDD to Vulcan/McCook, Hanson/McCook or Reliable/Lyons, $175 per load.
CCDD to Bluff City/Bartlett, $235.00 per load.

Stockpile I-90 & Arlington Heights Rd (Northwest & Southwest Quadrant) to Project site:

$150.00 per load (Cartage Only)

Stockpile Touhy & Mt. Prospect Rd. to Project site:

$125.00 per load (Cartage Only)

Waiting time after 30 Minutes at the hourly rate

Prices good for 2020 with Escalation of 3% every year after

Is this job sales tax exempt? No ____ Yes ___ If yes – tax # _____
Is certified payroll required? No ____ Yes _____ If yes, attach appropriate info

Any and all E. King Construction trucks or brokers that are overloaded by the above company or their subcontractors will be charged to the above company in full for each overweight incurred. All overloads are the above company's responsibility.

The above company warrants and represents that all materials to be loaded, trucked or hauled is free of any and all contamination, including but not limited to any petroleum, crude oil, or any fraction thereof, and any "hazardous substance" or "pollutant or contamination" as defined in sections 101(14) & 101(33) respectively, of the comprehensive environmental response, compensation & liability act [42 U.S.C. sections (14) & (33)].

Approved & Accepted
E. King Construction

Authorized Agent _____

Company _____

Name of Agent _____

Authorized Agent _____

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

SEP 27 2016

Elaine Shirley King
E. King Construction Co., Inc.
3865 N. Columbus Ave. 2nd Floor
Chicago, IL 60652

Dear Elaine Shirley King:

We are pleased to inform you that **E. King Construction Co., Inc.** has been recertified as a **Minority-Owned Business Enterprise ("MBE") and Women-Owned Business Enterprise ("WBE")** by the City of Chicago ("City"). This **MBE and WBE** certification is valid until **9/15/2021**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **9/15/2017, 9/15/2018, 9/15/2019, and 9/15/2020.** Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **9/15/2021**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **7/15/2021.**

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE and WBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than $5,000 and not more than $10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):

484110 - General Freight Trucking, Local
484121 - General freight trucking, long-distance, truckload (TL)
484210 - Used Household and Office Goods Moving
484220 - Specialized Freight (except Used Goods) Trucking, Local
484230 - Specialized Freight (except Used Goods) Trucking, Long-Distance
562111 - Solid Waste Collection

Your firm's participation on City contracts will be credited only toward **Minority-Owned Business Enterprise and Women-Owned Business Enterprise** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,

[redacted]

Rich Butler
First Deputy Procurement Officer
RB/mm

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**E. King Construction Co., Inc.**
OWNER	**Ms. Elaine King**
ADDRESS	**3865 W. Columbus Ave.** **Chicago, IL 60652**
PHONE	**773-284-9800**
FAX	**773-284-9856**
EMAIL	**ekingtrkg@aol.com**
ETHNICITY	**African American**
GENDER	**Female**
COUNTY	**Cook (IL)**

Map This Address

Certification Information

CERTIFYING AGENCY	**State of Illinois Central Management Services**
CERTIFICATION TYPE	**WMBE - Women/Minority Business Enterprise**
RENEWAL DATE	**6/17/2021**
EXPIRATION DATE	**6/17/2021**
CERTIFIED BUSINESS DESCRIPTION	**Transportation of Goods, Shipping and Handling, and Other Freight Services** **Garbage and Trash Removal, Disposal and or Treatment Services**

Commodity Codes

Code	Description
NIGP 91027	Garbage and Trash Removal, Disposal and or Treatment Services
NIGP 96286	Transportation of Goods, Shipping and Handling, and Other Freight Services

Additional Information

REGION	**Metro Chicago**
RECIPROCAL CERTIFICATION AGENCY	**City of Chicago**

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

April 17, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Elaine King
E. King Construction Co., Inc.
3865 W. Columbus Ave.
Chicago, IL 60652

Dear Ms. King:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for E. King Construction Co., Inc. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

To remain certified and in good standing, you must annually submit a *No Change Affidavit.* IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there is a change in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

E. Diane Cook-Felton, Manager
DBE Certification Section
Bureau of Small Business Enterprises

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME:	TRUCK KING HAULING CONTRACTORS INC
CIRCLE ALL THAT APPLY:	DBE MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR ____ TRUCKER X SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR: TIER 1 (SUB TO PRIME): (Y) N TIER 2 OR BELOW: Y N UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO. *	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
2020100	EARTH EXC.			$1,366,000.00		
4400100	PAVEMENT REMOVAL					
5020100	STRUCTURE EXC					
J121110	TOPSOIL EXC ; PLACE					
J121112	TOPSOIL EXC ; DISP					
			TOTALS FOR THIS DBE FIRM:	$1,366,000.00		

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] EVP 6-5-20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin
Firm Name: Judlau Contracting, Inc.
E-mail: shamik.amin@ohlna.com
Phone: 630.387.6040
Address: 1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] PRESIDENT 6/4/2020

Signature for DBE Contractor — Title — Date

Contact: JESUS SAUZAMEDA, JR
Firm Name: TRUCK KING HAULING CONTRACTORS INC
E-mail: JSAUZAMEDA@TKHCINC.COM
Phone: 773-847-6000
Address: 4600 W 48TH ST , CHICAGO IL , 60632

ISTHA_DBE Form 2025_TEMPLATE_04182019

4600 West 48th Street
Chicago, IL 60632
773.847.6000
www.tkhcinc.com

Customer Bid

JUDLAU CONTRACTING, INC.	
26-15 ILMER STREET	
COLLEGE POINT	NY
Contact	
DALIN SMITH	
dalin.smith@ohlna.com	

ISTHA I-17-4339, ELGIN OHARE WEST ACCE

Location

ISTHA I-17-4339, ELGIN OHARE WEST ACCE	
I-294 FROM GRAND AVE TO WOLF	
FRANKLIN PARK	IL

Bid No	2000114
Bid Date	6/4/2020
Expire Date	9/2/2020
Job Start Date	6/4/2020
Wage Type	Private
Payment Terms	

Comment

PLEASE ADD 3% ESCALATION TO ALL RATES STARTING JAN 1ST, 2021.

Sales Tax	Tax %	Estimator
	0.00%	vic.ballesteros

Description	Quantity	Unit Rate	Units
HOURLY PORT TO PORT DBE/MBE LOWBOY - 6 HOUR GUARANTEE FOR ALL SEMI LOWBOY TRUCKS, (NO PERMITS INCLUDED)*RATE IS GOOD FOR UP TO 120,000 LBS*, 100% TOWARDS DBE/MBE GOAL CREDIT		$125.00	Hourly
HOURLY - ONSITE WORK DBE/MBE WATER TRUCK - 8 HOUR GUARANTEE FOR ALL WATER TRUCKS, 100% TOWARDS DBE/MBE GOAL CREDIT		$125.00	Hourly
HOURLY + 1/2HR TRAVEL DBE/MBE 6-WHEELER - 8 HOUR GUARANTEE FOR ALL 6-WHEELER TRUCKS, 100% TOWARDS DBE/MBE GOAL CREDIT		$100.00	Hourly
HOURLY NO TRAVEL DBE/MBE SEMI TRUCKS - 6 HOUR GUARANTEE FOR ALL SEMI TRUCKS, 100% TOWARDS DBE/MBE GOAL CREDIT		$110.00	Hourly
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO BEVERLY MATERIALS EAST DUNDEE PLANT, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$235.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO BEVERLY MATERIALS FOSTER ROAD PLANT, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$305.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO BEVERLY MATERIALS BELVIDERE QUARRY, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$410.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO ALLIED ASPHALT FRANKLIN PARK PLANT, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$170.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO LAFARGE FOX RIVER STONE, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$275.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO BLUFF CITY MATERIALS - ELGIN/BARTLETT, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$255.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO HANSON / RELIABLE / VULCAN McCOOK AREA, 100% TOWARDS DBE/MBE GOAL CREDIT	1	$225.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO TOUGH CUTS CONCRETE SERVICES INC., 100% TOWARDS DBE/MBE GOAL CREDIT	1	$245.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS TO CUSTOMER PICK UP SITE (TOUHY STOCKPILE), 100% TOWARDS DBE/MBE GOAL CREDIT	1	$155.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS FROM CUSTOMER PICK UP SITE (ARLINGTON HEIGHTS NW AREA), 100% TOWARDS DBE/MBE GOAL CREDIT	1	$185.00	Loads
CARTAGE ONLY LOADS DBE/MBE SEMI TRUCKS FROM CUSTOMER PICK UP SITE (ARLINGTON HEIGHTS SW AREA), 100% TOWARDS DBE/MBE GOAL CREDIT	1	$185.00	Loads
CARTAGE ONLY LOADS DBE/MBE - NON-SPECIAL WASTE TO WINNEBAGO LANDFILL, 100% TOWARDS DBE/MBE GOAL CREDIT.	1	$425.00	Loads

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Chicago, IL 60632
773.847.6000
www.tkhcinc.com

Customer Bid

CARTAGE ONLY LOADS DBE/MBE - NON-SPECIAL WASTE TO WASTE MANAGEMENT LARAWAY, 100% TOWARDS DBE/MBE GOAL CREDIT.	1	$385.00	Loads
CARTAGE ONLY LOADS DBE/MBE - NON-SPECIAL WASTE TO DUPONT LANDFILL,(DEPENDING ON SEMI TRUCK AVAILABLILTY) 100% TOWARDS DBE/MBE GOAL CREDIT	1	$375.00	Loads
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM BEVERLY MATERIALS EAST DUNDEE PLANT, 100% TOWARDS DBE/MBE GOAL CREDIT		$11.20	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM BEVERLY MATERIALS FOSTER ROAD PLANT, 100% TOWARDS DBE/MBE GOAL CREDIT		$14.55	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM BEVERLY MATERIALS BELVIDERE QUARRY, 100% TOWARDS DBE/MBE GOAL CREDIT		$19.55	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM ALLIED ASPHALT FRANKLIN PARK PLANT, 100% TOWARDS DBE/MBE GOAL CREDIT		$8.10	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM LAFARGE FOX RIVER STONE, 100% TOWARDS DBE/MBE GOAL CREDIT		$13.10	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM VULCAN BARTLETT, 100% TOWARDS DBE/MBE GOAL CREDIT		$12.15	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM HANSON / RELIABLE / VULCAN McCOOK AREA, 100% TOWARDS DBE/MBE GOAL CREDIT		$10.75	Tons
CARTAGE ONLY TON - AGGREGATES DBE/MBE SEMI TRUCKS FROM TOUGH CUTS CONCRETE SERVICES INC., 100% TOWARDS DBE/MBE GOAL CREDIT		$11.70	Tons

1. Terms: Net 30 Days

2. All quotes must be signed and returned within 30 days of quote date to guarantee quoted pricing.

3. All material quoted is subject to availability, topsoil import is only good for 30 days after the quote day and should only be used after as a benchmark for pricing.

4. All exported loads must be CLEAN FILL only, no wood, landscape waste, plastic, steel, or any other debris can be in the load.

5. Any loads deemed hard to handle by the respective dump locations that incur an additional dump fee will be billed accordingly.

6. All exported loads must meet IEPA regulations, please submit all analytical paperwork and forms at least 14 days prior to the job starting to get dump site approval. Customer is responsible for all tests and IEPA fee`s associated with any exported loads.

7. Sales tax has not been added to any of the unit prices, please add accordingly.

8. Waiting time will be charged for any units performed on a ``cartage only`` or ``cartage & material/dump fee`` basis either ``per-load` or ``per-ton`` it will be charged at our DBE/MBE or Non-DBE/MBE hourly rate depending on what type of truck was ordered by the customer or what type of truck was used for the job by Truck King for DBE/MBE purposes. It will be charged in 15 minute increments.

9. Please add 4% to all unit prices starting Jan 1st, 2021, and every year after.

10. Pricing for all imported/exported loads and materials are shown separately. ALL DUMP FEES AMD MATERIAL FEES ARE TO BE PAID BY THE CUSTOMER DIRECTLY TO THE SUPPLIER, UNLESS PRIOR ARRANGEMENTS ARE MADE. This pricing is provided as a benchmark of prices from the suppliers.

11. Any Truck King Hauling Contractors Inc. trucks or subcontractors that are overloaded by the customer will be charged to the customer in full for each overweight incurred plus any downtime or extra fees.

12. Fuel surcharge: When Diesel Fuel is under $4.00 per gallon all the rates from this quote will be held at the quoted rate. If Diesel Fuel goes over $4.00 per gallon the quoted rates will increase by 3% per every $.50 cents of increase based on the midwest national average starting at $4.00 per gallon.

13. The customer shall pay all of Hauler`s costs of collection, including without limitation, attorney`s fees and cost of suit incurred as the result of the customer`s failure to pay Hauler in accordance with this agreement. Additionally, any sum remaining unpaid when due as herein above set forth shall bear interest at the rate of 18% per annum thereafter.

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Customer Bid

14. Per DBE/MBE requirements at least one truck must be owned, operated, licensed, and insured by the DBE/MBE trucking company and used daily on each contract for which it is submitted as a DBE/MBE participant. If you use the 0-15% Non-DBE/MBE rate for this project you must use one company owned truck at company truck rate. The one company owned truck needs to be used to receive the 0-15% Non-DBE/MBE credit towards the overall goal credit from any Non-DBE/MBE trucks as well as from the 100% DBE/MBE credit from any other certified DBE/MBE trucks that we may sub-contract with. The 100% DBE/MBE rate on this quote is quoted as a whole and is to be used without using the 0-15% non-DBE/MBE rate at anytime on this project. Please feel free to contact your Truck King estimator for further explanation.

15. Any type of fees billed to Truck King Hauling Contractors, Inc. by a landfill or dump will be the responsibility of the customer and will be billed accordingly.

16. For all SEMI hourly work if not specified above on the item description, there is an 6 hour minimum required that must be paid to each truck if 6 hours of work is not reached. For all 6-WHEELER hourly work there is a 8 hour minimum required that must be paid to each truck if 8 hours of work is not reached.

17. 2 hours of show-up time must be paid to all trucks when ordered if the job is canceled less then 2 hours from the scheduled start time.

18. It is mutually understood that TKHC Inc.`s quote is based on information received from the Customer separate from any plans, specifications or addendums. AT NO TIME will TKHC Inc. review any plans, specifications or addendums prior to quoting.

19. TKHC Inc.`s quote is based on our standard certificate of insurance. Any additional insurance requirements necessary to comply with the project such as additional insured endorsements, waivers of subrogation, etc. should be disclosed at the time of quote separately from any plans, specifications or addendums. Failure to inform TKHC Inc. at time of quote request will result in Customer being responsible for all costs incurred to comply with any additional insurance requirements needed.

20. All 100% DBE/MBE rates are good for up to 6 semi trucks per calendar day and all 0-15% Non-DBE/MBE rates are good for up to 6 semi trucks per calendar day, in total that is up to 12 semi trucks per calendar day per project if used as part of your bid package and notified at bid time. More DBE/MBE semi trucks and Non-DBE/MBE semi trucks may be available at the time the job starts, on a daily basis on a first come first serve basis. It is imperative that TKHC, Inc. receive notification of usage on a project as soon as possible and also we should receive look ahead scheduling as any other subcontract would on a project.

21. When Special waste is bid by the ton as a package of disposal and cartage there is a 20 ton minimum for cartage that will be billed if 20 tons are not met.

22. The pricing for non-special waste soil and special waste soil is predicated upon a representative sample being tested by the customer for Code-R parameters and the test results being distributed to us and the Sub-Title D facility that was quoted. Soils that meet the Sub-Title D acceptance criteria based upon the results of the Code-R parameters, i.e. Non-hazardous soils, will be good with the prices quoted above. Soils that are not acceptable or are considered hazardous will not be good for acceptence and the above prices quoted are null and void.

23. Shipments between the hours of 4:00pm and 6:00am are considered night-time hours of operations at many quarries and CCDD locations. There may be minimum delivery requirements per night shift and/or an additional opening fee. If the minimum delivery requirement is not met the contractor will be assessed an opening fee up to $5,000 per shift where minimum delivery requirements are not met. There will be a cancellation fee for any night deliveries that are canceled less than a 24 hour notice. Night shipments on Saturday and anytime on Sunday require an additional fee up to $3,000 per shift. Daytime shipments on Saturday afternoon may be subject to an additional fee as well.

24. It is the customers responsibilites to keep the working site and all haul roads free of any rebar, metals & any debris that may cause damage to any Articulated & semi trucks while working onsite. Any equipment damages caused due to jobsite unsafe environment will be responsibilities of the contractor. including, but not limited to, any and all tire repair/replacement costs.

25. Truck King is not responsible for any fees, costs, delay and any other costs, due to jurisdictional disputes arising out of contractor`s work assignments.

26. Price Escalation - Any increase in Truck King's cost of transportation services caused by changes in prevailing wage rates for material haul or use of independent contractors/owner operators imposed after the date of this quote will be added to the unit/hourly prices as of the effective date of the change. This is a material term of this quote and shall be expressly include in any agreement between the parties.

I have read and agree to above mentioned _____ Title _____

This bid must be signed by an authorized representative of the company. Date _____

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Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

March 4, 2020

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Jesus Sauzameda, Jr.
Truck King Hauling Contractors, Inc.
4600 W. 48th St.
Chicago, IL 60632

Dear Mr. Sauzameda:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for Truck King Hauling Contractors, Inc. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

To remain certified and in good standing, you must annually submit a *No Change Affidavit*. Your firm's next affidavit is due on April 1, 2021. IDOT will send an affidavit form 60 days prior to that date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there is a change in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

Debra A. Clark, Bureau Chief
Bureau of Small Business Enterprises

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2/2

CONTRACT #	I-17- 4339

DBE FIRM NAME:	Nace Trucking, Inc.
CIRCLE ALL THAT APPLY:	DBE MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME _____ JV PARTNER _____ SUBCONTRACTOR _____ TRUCKER ✓ SUPPLIER _____ MANUFACTURER _____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): (Y) N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan.
Attach this form to the DBE Utilization Plan form, DBE Form 2026. If additional space is needed, complete an additional form(s) for the firm or attach a spreadsheet on DBE FIRM letterhead.

PAY ITEM NO. *	DESCRIPTION: Indicate whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
JT211411	SUBGRADE ACEA 12"			$1,900,000.00		
J1522500	MECH STAB EARTH RET WALL					
			TOTALS FOR THIS DBE FIRM:	1,900,000.00		

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowa items and/or Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan for DBE subcontractors but credit may be allowed if performed as part of specific pay item(s) during contract execution. Reference Sections II, VI.A.2 and VI.B.1 of the Special provision for DBE Participation. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. **PARTIAL PAY ITEMS:** For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amoun

2. **COMMITMENT:** The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] EST 6-5-20

Signature for Prime Contractor — Title

Date:

Contact: Shamik Amin

Phone: Judlau Contracting, Inc.

Firm Name shamik.amin@ohlna.com

Address: 630.387.6040

1011 Warrenville Rd, #195, Lisle, IL 60532

[redacted] owner

Signature for DBE Contractor — Title

Date: June 5, 2020

Contact: Nelson Callejas

Phone: 847-366-0150

Firm Name Nace Trucking, Inc.

Address: 1518 Cornella Ave, Waukegan, IL 60085

QUOTE# 911
DATE: 6/4/2020
EXPIRATION DATE: 7/4/2020

Nace Trucking, Inc.

A Certified DBE Trucking Hauler
1518 Cornelia Ave. Waukegan, IL 60085 **847-366-0150** Nccallejas5959@gmail.com

TO:
Judlau Contracting, Inc.
1011 Warrenville Road
Lisle, IL 60532
Attn: Dalin Smith

SALESPERSON	JOB ADDRESS	PAYMENT TERMS
Nelson Callejas	ISTHA I-17-4339	Net 30

EXPORT

1. Export CCDD Spoils from the above referenced job location to Bluff City - $300.00/Ld (Cartage & Dump fee Included)
2. Export CCDD Spoils from the above referenced job location to Vulcan McCook - $305.00/Ld (Cartage & Dump fee Included)
3. Export CCDD Spoils from the above referenced job location to Hanson McCook - $305.00/Ld (Cartage & Dump fee Included)
4. Export Various Spoils from the above referenced job location to Tough Cuts - $125.00/Ld (Cartage & Dump fee Included)
5. Export Non-Special Waste from the above referenced job location to Waste Management Laraway Landfill - Cartage Only - $345.00/Ld
6. Export Non-Special Waste from the above referenced job location to Winnebago Landfill - Cartage Only - $365.00/Ld
7. *REFER TO ADDITIONAL TERMS AND CONDITIONS LINE #2

Hourly Rates:	Semi:	$105.00	6-Wheeler:	$98.00

X. Daniel Bitton X.

ADDITIONAL TERMS AND CONDITIONS

1. Sales tax will be added to above material rates if tax exempt form is not submitted.
2. *Demurrage at hourly rate after 15 minutes of truck waiting time to be LOADED on the job site or truck waiting time to UNLOAD at dump site if customer is covering dump fees.
3. Nace Trucking, Inc. is not responsible for analytical, land filling or loading cost unless otherwise specified.
4. IEPA (LPC-662, LPC-663) forms required prior to start of job.
5. A two hour show up cost for trucks will be assessed if not notified of job cancellation at least two hours prior to start time
6. Quote valid for 30 days from quote date, unless signed by Authorized Company Representative.
7. Customer is Responsible for ALL Overweight's if drivers are not allowed out of their trucks to oversee loading.
8. This quote is not a guarantee that trucks will be available for the job start date, unless quote is signed by an Authorized Company Representative.
9. All above rates will have a 3.0% escalation for 2021
10. MSE Backfill and FA-2 rates will be as follows: 2021 $5.75/ton, 2022 $6.00/ton and 2023 $6.25/ton
11. 1 Hour of Travel Time per truck, per day will be added to ALL hourly
12. Above rates include All tolls.

Total invoice amounts will be due within 30 days of invoice date. A Charge of 1.5% per month (18% per annum) may be added to past due invoices. Above customer is responsible for ALL legal and lien fees for any and all invoices that are not paid in full within 30 days of invoice date. Please make checks payable to; Nace Trucking, Inc.

If you have any questions concerning this quote, please call (847) 366-0150

Nace Trucking, Inc.

QUOTE# 911
DATE: 6/4/2020
EXPIRATION DATE: 7/4/2020

A Certified DBE Trucking Hauler
1518 Cornelia Ave. Waukegan, IL 60085 **847-366-0150** Nccallejas5959@gmail.com

TO:
Judlau Contracting, Inc.
1011 Warrenville Road
Lisle, IL 60532
Attn: Dalin Smith

SALESPERSON	JOB ADDRESS	PAYMENT TERMS
Nelson Callejas	I5THA I-17-4339	Net 30

IMPORT

PRODUCT	CARTAGE RATE/TON	MATERIAL RATE/TON	TOTAL RATE/TON EXCLUDING TAX	TAX RATE ON MATERIAL	TAX AMOUNT	TOTAL MATERIAL WITH TAX
MSE Backfill	$14.80	$5.10	$19.90	0.00%	$0.00	**$19.90**
FA-2	$14.80	$5.10	$19.90	0.00%	$0.00	**$19.90**
FA-6	$7.75	$7.00	$14.75	0.00%	$0.00	**$14.75**
CA-1	$7.75	$13.05	$20.80	0.00%	$0.00	**$20.80**
CA-16	$7.75	$18.25	$26.00	0.00%	$0.00	**$26.00**
CA-3	$7.75	$18.25	$26.00	0.00%	$0.00	**$26.00**
CA-4	$9.10	$10.25	$19.35	0.00%	$0.00	**$19.35**
CA-6	$7.75	$7.90	$15.65	0.00%	$0.00	**$15.65**
CA-7/11	$7.75	$13.40	$21.15	0.00%	$0.00	**$21.15**
BEDDING AGGREGATE (CA-6)	$7.75	$7.00	$14.75	0.00%	$0.00	**$14.75**
PGE (CS-01)	$7.75	$10.25	$18.00	0.00%	$0.00	**$18.00**
TRENCH BACKFILL	$7.75	$7.00	$14.75	0.00%	$0.00	**$14.75**
RIP RAP 1	$7.75	$18.25	$26.00	0.00%	$0.00	**$26.00**
RIP RAP 2	$7.75	$18.25	$26.00	0.00%	$0.00	**$26.00**
PRODUCT	**CARTAGE ONLY PER TON**	**MATERIAL RATE/TON**	**TOTAL CARTAGE PER TON**	**TAX RATE ON MATERIAL**	**TAX AMOUNT**	**TOTAL CARTAGE WITH TAX**
VULCAN MCCOOK	$7.75	$0.00	**$7.75**	0.00%	$0.00	**$7.75**
HANSON MCCOOK	$7.75	$0.00	**$7.75**	0.00%	$0.00	**$7.75**
TOUGH CUTS	$5.14	$0.00	**$5.14**	0.00%	$0.00	**$5.14**
LINDAHL BENSENVILLE	$5.25	$0.00	**$5.25**	0.00%	$0.00	**$5.25**
BLUFF CITY	$11.05	$0.00	**$11.05**	0.00%	$0.00	**$11.05**

IMPORT

1. Import Various Materials from N/W Quad of I-90 & Arlington Heights Rd to the above referenced job location - $155.00/Ld (Cartage Only)
2. Import Various Materials from S/W Quad of I-90 & Arlington Heights Rd to the above referenced job location - $155.00/Ld (Cartage Only)
3. Import Various Materials from Touhy Ave & Mt. Prospect Rd to the above referenced job location - $130.00/Ld (Cartage Only)

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

NACE Trucking, Inc.
Nelson Callejas
1518 Cornelia Ave.
Waukegan, IL 60085

County: Lake

Email: nacetrucking1518@gmail.com

Phone: (847) 366-0150

Fax: (847) 336-2494

Categories: Trucking

NAICS	Speciality
484220-Specialized Freight (except Used Goods) Trucking, Local	484220- TRUCKING

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Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

May 6, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Nelson Callejas
NACE Trucking, Inc.
1518 Cornelia Ave.
Waukegan, IL 60085

Dear Mr. Callejas:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for NACE Trucking, Inc., and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

In order to remain certified and in good standing, you must annually submit a No Change Affidavit. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises (bureau) within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there are <u>any</u> change in circumstances affecting your firm's eligibility status, your firm <u>must</u> provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

Debra A. Clark, Bureau Chief
Bureau of Small Business Enterprises

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-17-4339

DBE FIRM NAME	S&J Construction Co., Inc
CIRCLE ALL THAT APPLY:	DBE MBE WBE SBA 8(A)

CHECK ALL THAT APPLY:

PRIME ____ JV PARTNER ____ SUBCONTRACTOR XX ____ TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR:	TIER 1 (SUB TO PRIME): Y N	TIER 2 OR BELOW: Y N	UNDER CONTRACT TO:

This form must be completed for EACH disadvantaged business participating in the DBE Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on the DBE firm company letterhead.

PAY ITEM NO.*	DESCRIPTION: Indicate whether furnish only or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($) (reduce by 40% if counting amount as a SUPPLIER)
	See attached					
			TOTALS FOR THIS DBE FIRM:			

*Contingency Work must not be included under Pay Items and will not be approved toward DBE goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #JS671010, will not be approved within the DBE Utilization Plan. NOTE that these items are not included in the determination of the DBE Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the DBE listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the DBE may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the DBE on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. **The Prime Contractor will not assign any of the contract items listed above to a firm other than the DBE identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the DBE** no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. **Failure to receive written approval prior to a change in type or scope is a violation of the Special Provision for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] Est. 6-5-20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd, #195 Lisle IL 60532

[redacted] President 6/04/2020

Signature for DBE Contractor — Title — Date

Contact: Simone Kapovich

Firm Name: S&J Construction Co., Inc.

E-mail: skapovich@sjconst.com

Phone: 708-331-1816

Address: 4245 166th Street Oak Forest, IL 60452

View up to date information on how Illinois is handling the Coronavirus Disease 2019 (COVID-19) from the Illinois Department of Public Health (http://www.dph.illinois.gov/topics-services/diseases-and-conditions/diseases-a-z-list/coronavirus)

Unified Certification Program - Search

Contractor Details Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

S & J Construction Co., Inc.
Simone Kapovich
4245 166th St.
Oak Forest, IL 60452

Email: skapovich@sjconst.com
Phone: (708)-331-1816
Fax: (708) 687-2135

County: Cook

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- STEEL, STRUCTURAL - ERECTION
238910-Site Preparation Contractors	SIGNING
	BRIDGES - EXCEPT PAINTING
	PRECAST & PRESTRESSED CONCRETE - HIGHWAY
	STEEL, REINFORCING - REBAR PLACEMENT
	WELDING
	238910- CAISSONS & PILE DRIVING
	DRILL SHAFT FOUNDATIONS

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Version: 1.1.27.5458

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

RECEIVED
OCT 18 2019
S & J CONSTRUCTION CO., INC.

October 15, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Simone Kapovich
S & J Construction Co., Inc.
4245 166th St.
Oak Forest, IL 60452

Dear Ms. Kapovich:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for S & J Construction Co., Inc., and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

To remain certified and in good standing, you must annually submit a *No Change Affidavit.* IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(I), whenever there is a change in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

[redacted]

E. Diane Cook Pelton, Manager
DBE Certification Section
Bureau of Small Business Enterprises

S & J Construction Co., Inc.
4245 166th Street
Oak Forest, IL 60452
Phone (708) 331-1816
Fax (708) 687-2135

ISTHA I-294
Grand to Wolf and Ramps S1 & S2
Contract No.: I-17-4339

BID DATE: 06/05/2020

SCHEDULE OF PRICES

Item	Description	Unit	Quantity	Unit Price	Total Price
52100010	ELAST. BEARING TYPE 1	EACH	6	$150.00	$900.00
52100020	ELAST. BEARING TYPE 2	EACH	6	$200.00	$1,200.00
52100510	ANCHOR BOLTS, 3/4"	EACH	120	$125.00	$15,000.00
52100520	ANCHOR BOLTS, 1"	EACH	8	$125.00	$1,000.00
52100530	ANCHOR BOLTS, 1-1/4"	EACH	252	$130.00	$32,760.00
52100540	ANCHOR BOLTS, 1-1/2"	EACH	40	$140.00	$5,600.00
52100560	ANCHOR BOLTS, 2"	EACH	48	$150.00	$7,200.00
X5210120	HLMR BRG. GUID. EXP. 250K	EACH	24	$250.00	$6,000.00
X5210180	HLMR BRG. GUID. EXP. 550K	EACH	6	$250.00	$1,500.00
X5210200	HLMR BRG. GUID. EXP. 650K	EACH	6	$250.00	$1,500.00
X5210210	HLMR BRG. GUID. EXP. 700K	EACH	12	$250.00	$3,000.00
X5210220	HLMR BRG. GUID. EXP. 750K	EACH	12	$250.00	$3,000.00
X5210230	HLMR BRG. GUID. EXP. 800K	EACH	6	$250.00	$1,500.00
X5210240	HLMR BRG. GUID. EXP. 900K	EACH	18	$250.00	$4,500.00
X5210355	HLMR BRG. FIXED, 650K	EACH	12	$250.00	$3,000.00
X5210375	HLMR BRG. FIXED, 850K	EACH	6	$250.00	$1,500.00
JI504060	ERECT PPC BEAMS, IL45	FOOT	4398		$0.00
JI504120	ERECT PPC BEAMS, IL72	FOOT	8940		$0.00
JI505231	F&E STRUCTURAL STEEL NO. 1	L SUM	1		$0.00
JI505232	F&E STRUCTURAL STEEL NO. 2	L SUM	1		$0.00
	All Items are erect/install only			**TOTAL:**	**$89,160.00**

SCOPE OF WORK

The above price includes all labor, equipment, and tools to perform the work as shown in the contract plans, specifications, and as stated here in. All access to the work/erection sites for the cranes, equipment, and material delivery shall be the responsibility of the General Contractor (G.C.).

S&J is an AISC Certified Erector in Complex Structures as required per the contract specifications.

Boom Height restriction on this project of 110' is recognized in this quote. Because of this restriction, we will be forced to work at night on off hours as stated in the specifications. This will occur in the open field/detention pond area where day work could have occurred.

A safety factor of 25%, per the specifications for this project, must be added to the weight of each piece for determining crane size and capacity. This specification is recognized in this quote and is requiring the need for larger cranes than would normally be used.

Erecting Steel Girders:

- S & J will require clear, firm, and level areas behind and adjacent to each abutment, around the center pier in the middle of I-294 for the set-up of our cranes and laydown of steel. S&J will also require an access road at least 40' wide adjacent to both Ramps (except over a road). A finger access road approximately 25' wide will need to be installed in the center of each span (not over a road) for aerial lift access and crane access for fill steel. These roads must be stable and adequate to support the cranes erecting and trucks delivering the steel. The access road for Ramp S1 shall be on the south or west side of the structure and extend from the north abutment to the center of Pier 5. A rail crossing will be required in Span 5. The access road for Ramp S2 shall be on the north side of the structure and shall extend from the north abutment to past Pier 5 west of 294. The access for Spans 1, 2, and 3 for Ramp S2 can be on either side of the structure with a rail crossing in span 3. All access roads and rail crossings shall be the responsibility of the GC. The maximum grade for these roads cannot exceed 20%
- Shoring for Ramp S1 will be used in spans 2, 3, 4, and 5. Shoring for Ramp S2 will be used in spans 2, 3, 6, and 7. S&J will supply the shoring and wood mats needed for the shoring, the GC shall supply a stone base level and stable to support the loads in each span. Any required protection (barricades, barrier wall, etc.) of these areas shall be provided by the G.C.
- The delivery of the steel girders shall be to the point of erection; point of erection is to the hook of the crane at its location to erect the delivered piece.
- The need for a staging area for the delivery of the steel girders for the day-time or night erection as well as all costs associated with these deliveries shall be the responsibility of the GC.
- The connection of the cross frames is close to the bottom flange of the girders; therefore, the erector will have to bolt-up & impact the bottom connection of the cross frames under lane closures. The GC is to gap the protective shielding at these connection areas until the detailing is complete.
- This work is quoted for one mobilization for Ramp S1, and two additional mobilizations for Ramp S2. The S1 and S2 erection in the open field/detention pond area can happen in a continuous erection operation once our work for the project is started. For S2, a separate mobilization will be required for the erection over I-294, and a one to erect spans 1, 2, and 3.

S & J Construction Co., Inc.
4245 166th Street
Oak Forest, IL 60452
Phone (708) 331-1816
Fax (708) 687-2135

ISTHA I-294
Grand to Wolf and Ramps S1 & S2
Contract No.: I-17-4339

BID DATE: 06/05/2020

SCHEDULE OF PRICES

Item	Description	Unit	Quantity	Unit Price	Total Price
52100010	ELAST. BEARING TYPE 1	EACH	6	$150.00	$900.00
52100020	ELAST. BEARING TYPE 2	EACH	6	$200.00	$1,200.00
52100510	ANCHOR BOLTS, 3/4"	EACH	120	$125.00	$15,000.00
52100530	ANCHOR BOLTS, 1-1/4"	EACH	252	$130.00	$32,760.00
52100540	ANCHOR BOLTS, 1-1/2"	EACH	40	$140.00	$5,600.00
52100560	ANCHOR BOLTS, 2"	EACH	48	$150.00	$7,200.00
X5210120	HLMR BRG. GUID. EXP. 250K	EACH	24	$250.00	$6,000.00
X5210180	HLMR BRG. GUID. EXP. 550K	EACH	6	$250.00	$1,500.00
X5210200	HLMR BRG. GUID. EXP. 650K	EACH	6	$250.00	$1,500.00
X5210210	HLMR BRG. GUID. EXP. 700K	EACH	12	$250.00	$3,000.00
X5210220	HLMR BRG. GUID. EXP. 750K	EACH	12	$250.00	$3,000.00
X5210230	HLMR BRG. GUID. EXP. 800K	EACH	6	$250.00	$1,500.00
X5210240	HLMR BRG. GUID. EXP. 900K	EACH	18	$250.00	$4,500.00
X5210355	HLMR BRG. FIXED, 650K	EACH	12	$250.00	$3,000.00
X5210375	HLMR BRG. FIXED, 850K	EACH	6	$250.00	$1,500.00
JI504060	ERECT PPC BEAMS, IL45	FOOT	4398	$76.00	$334,248.00
JI504120	ERECT PPC BEAMS, IL72	FOOT	8940	$131.00	$1,171,140.00
JI505231	F&E STRUCTURAL STEEL NO. 1	L SUM	1	$2,000,000.00	$2,000,000.00
JI505232	F&E STRUCTURAL STEEL NO. 2	L SUM	1	$3,150,000.00	$3,150,000.00
				TOTAL:	**$6,743,548.00**

All Items are erect/install only

Changes in scope are in yellow Cut 200,000

Total 6,543,548

- Surveying of the horizontal and vertical position of each girder before erecting adjacent or continuing segments shall be the responsibility of the G.C.
- Girder bracing and stabilization of the structural steel for the concrete deck pour is not included. S&J will provide bracing and stabilization in its procedure for the erection of the steel only. After the girders are erected and detailed, any bracing and shoring used during the erection process will be removed.
- Cross frame holes shall be drilled or reamed to full size during fabrication or shop assembly by the fabricator.

Erecting Precast Girders:

The bearing pad material, steel diaphragms and hardware shall be supplied by the G.C.

The Bond Breaker is the responsibility of the G.C.

S&J has included the installation of the thru bolts and angles on the webs of the girders.

- **Grand Ave. Bridge:**
  - S&J will require a clear, firm, and level area behind and adjacent to each abutment for the set-up of our cranes to erect the precast for each stage of construction.
  - The delivery of the girders shall be on I-294 in a closed lane adjacent to the bridge.
  - The need for a staging area for the delivery of the precast girders for the night erection as well as all costs associated with these deliveries shall be the responsibility of the GC.
- **UP RR Bridge:**
  - S&J will require a clear, firm, and level area behind and adjacent to each abutment for the set-up of our cranes to erect the precast for each stage of construction.
  - The delivery of the girders shall be on I-294 in a closed lane adjacent to the bridge.
  - The need for a staging area for the delivery of the precast girders for the night erection as well as all costs associated with these deliveries shall be the responsibility of the GC.

Anchor Bolts:

- Drilling of the anchor bolts shall be the responsibility of the G.C.
- S&J has included the installation of the anchor bolts.

Lane Closures:

Grand Ave.:

- 6 nights with Full Stops on Grand Ave.
- 6 nights with single lane closures on I-294.

UP RR Bridge:

- Two nights with a 2-lane closure on I-294.
- Two nights with a single lane closure on I-294.

I-294:

- See above for lane closure on I-294 to unload the precast girders during erection.
- S.B.: 3 nights with Full Stops, will require a 3-lane closure each of these nights. These closures will need to be set up as a single, then a double, then a triple lane closure each night to allow as much time as possible on the expressway.

- N.B.: 3 nights with Full Stops, same explanation as above
- N.B. & S.B.: 2 nights in each direction with a 2 lane closure to detail the bottom flange splice bolts and the lower cross-frame connection.
- 3 nights with a 2 lane closures, NB or SB pending how the actual erection will occur. This will be required for the cantilevered portion of the girder being erected over Pier 4.

GENERAL NOTES:

- Work by the Norkol Building is quoted for nightwork per the contract documents.
- S&J has included the costs for E-Rail safety training required to work by the railroad.
- Coordination with the RR and all RR flagging shall be the responsibility of the GC.
- Any and all field dimensioning and verification shall be the responsibility of the GC.
- All traffic control and protection and flagging required for the erection and detailing of the steel and precast shall be the responsibility of the G.C.
- An S.E. stamped engineered erection procedure is included for our work.
- Source quality control and any inspection required by an outside independent agency shall be the responsibility of the General Contractor for any of the work needed for this project.
- The insurance S&J is providing for this project is: Workman's Comp. for 1 Mil., General Liability for 2 Mil. each occurrence and 4 Mil. Aggregate; Automobile for 1 Mil.; and a 20 Mil. Umbrella. We do not have Railroad Insurance, Professional Liability Insurance, Builders Risk, or other insurance which may be required for this project.

EXCLUDED FROM OUR PRICE:

- Permanent Material.
- Traffic Control and Protection, lane closures, and all required flagging.
- Installing/Removing temporary concrete barrier wall.
- Cleaning and painting (including touchup) of structural steel/bearings.
- Installation of Shear Studs.
- Installation of Expansion Joint Steel.
- Protective Shielding
- Any concrete work and/or grouting.
- Utility Removal or Relocation.
- Testing and Inspection, Third Party Inspection, QC/QA.
- Site restoration.
- Survey and Layout.
- All trucking costs & associated demurrage charges that may occur.
- Permits/Fees. (Except for Cranes).
- Liquidated Damages not caused by S&J.
- Bond Costs.
- Retention.

DBE FORM 2023

Demonstration of Good Faith Efforts to Achieve DBE Subcontracting Goal

If the DBE contract goal was not achieved, the Good Faith Efforts checklist and contacts log must be submitted with the bid. Failure to do so may render the Bidder's solicitation response non-responsive and cause it to be rejected, or render the Bidder ineligible for contract award, at ISTHA's sole discretion. The Bidder must provide all evidence relied upon in support of its Good Faith Efforts with its bid.

Good Faith Efforts Checklist

Insert on each line below the initials of the authorized Bidder representative who is certifying the Bidder has completed the activities described below. If any of the items were not completed, attach a detailed written explanation. If any other efforts were made to obtain DBE participation in addition to the items listed below, attach a detailed written explanation.

_____Identified portions of the contract work capable of performance by available DBEs, including, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation even when the Bidder could perform those scopes with its own forces.

_____Solicited through reasonable and available means (e.g., pre-bid meetings, networking session, written notices, advertisements) DBEs to perform the types of work that could be subcontracted on this project, within sufficient time to allow them to respond.

- ILUCP DBE Directory: http://www.idot.illinois.gov/doing-business/certifications/disadvantaged-business-enterprise-certification/il-ucp-directory/index
- City of Chicago's M/WBE Directory: https://chicago.mwdbe.com/FrontEnd/VendorSearchPublic.asp?TN=Chicago
- County of Cook, IL's M/WBE Directory: http://www.cookcountyil.gov/mbewbevbe-directory/
- Small Business Administration's SBA 8(a) Directory: http://dsbs.sba.gov/dsbs/search/dsp_dsbs.cfm

_____Provided timely and adequate information about the plans, specifications and requirements of the contract. Followed up initial solicitations to answer questions and encourage DBEs to submit bids.

_____Negotiated in good faith with interested DBEs that submitted bids and thoroughly investigated their capabilities.

_____Made efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as may be required for performance of the contract (if applicable).

_____Utilized resources available to identify available DBEs, including but not limited to DBE assistance groups; local, state and federal minority or women business assistance offices; and other organizations that provide assistance in the recruitment and placement of DBEs.

Affidavit of Truthfulness: Signature below affirms accuracy of Good Faith Efforts and Tollway to provide above information

Print Name: _____ Phone contact: _____

Position: _____ E-mail address: _____

Signature: _____ Date: _____

DBE FORM 2023

Good Faith Efforts Contacts Log for Soliciting - DBE Participation: Form 2023 continued

Project name: _____ Project number: _____

Bidder name: _____ Contact person: _____

Use this form to document all contacts and responses (telephone, e-mail, fax, etc.) regarding the solicitation of DBEs. Duplicate as needed.

Name of DBE	Date and method of contact	Scope of work solicited	Reason agreement was not reached

Affidavit of Truthfulness: Signature below affirms accuracy of Good Faith Efforts and Tollway to provide above information

Print Name: _____ **Phone contact:** _____

Position: _____ **E-mail address:** _____

Signature: _____ **Date:** _____

ILLINOIS STATE TOLL HIGHWAY AUTHORITY

FORM 2024 - DBE Trucking Reporting and Verification Form

To be submitted to the CM by the prime contractor at 25%, 50%, 75% of contract completion, FINAL (Request for Release of Final Retainage)

SECTION A: to be completed by Prime Contractor

(a) Contract Number _____

(b) Prime Contractor Name _____

(c) Contract Award Value _____

(d) Amount Earned to Date

(e) Percent Complete _____ Chose One

(f) Reporting Period: _____ To _____

	(h) Name of DBE Trucking Subcontractor	(i) DBE Trucking Subcontractor Amount from DBE Plan (Form 2025)	(j) Amount Paid to DBE Trucking Subcontractor to Date	(k) Percent of Planned Amount Paid to Date
(g)				#DIV/0!

(h) _____ _____

Signature of Prime Contractor Authorized Agent — Date

(i) _____ _____

Printed Name — Title

SECTION B: to be completed by DBE Trucking Sub-Contractor

		Number of Trucks
(j)	Total value of payments received for trucks owned and operated by this DBE trucker	a. _____
(k)	Total value of payments received for trucks leased and operated by another DBE trucker	b. _____
(l)	Total value of payments received for trucks leased from a Non-DBE trucker	c. _____
(m)		$ -

Total of a, b & c above must be equal to the amount paid to subcontract as disclosed by the prime contractor in Section A (Shaded Cell); include number of trucks for each dollar value.

(n) Total fee or commission received in association with lease of Non-DBE trucks (mark-up) d. _____

(o) **Total DBE Trucking Participation Based on DBE Special Provision VII.A.** $ -

Sum of a, b & d above

(p) _____ _____

Signature of DBE Sub-Contractor Authorized Agent — Date

(q) _____ _____

Printed Name — Title

I certify that I have read and understood the information provided by this form and that all of the foregoing information submitted in this affidavit are true and correct to the best of my knowledge, as of the stated date(s), and that all responses are full and complete, omitting no material information. I authorize the Illinois State Toll Highway Authority to make inquiries to verify the accuracy of the statements made.

I understand that a material or false statement or omission made in connection with this application may be sufficient cause for revocation of a prior DBE certification, initiation of suspension or debarment proceedings, and may subject the person and/or entity making the false statement to any and all civil and criminal penalties available pursuant to applicable Federal and State law.

Signature /Date of Construction Manager (CM)

Diversity Verification

Initials / Date

ISTHA DBE Final Payment Report – DBE Form 2115

General Information

1	Report Date:			
2	Contract No.:			
3	Reporting Period:		Through	

Prime Contractor Information

4	Prime Contractor:	
5	Address:	
6	Telephone:	

Subcontractor Information

7	Subcontractor:	
8	Address:	
9	Telephone:	

Subcontractor Payment

13	Payment Earned during Contract:	
14	Adjustments:	
15	Payment Recvd to date:	
16	Payment withheld due to delinquent debt:	
17	Balance Due:	

Subcontractor Work during Contract:

Pay Item No.	Pay Item Description	Quantity	Unit	Unit Price	Total Amount	Partial Pay Item Descr. (if app.)	Total Earned by Subcontractor
(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
						(26) **Sum:**	

(27)Explanations	

Affidavit: **This form is to verify the work completed and the amount paid to the DBE Subcontractor on the above captioned contract. Under penalty of law for perjury or falsification, the undersigned certifies that the work reported herein was executed by the DBE, that the DBE actually performed, managed and supervised the work, that this represents all payment to the Subcontractor on the above captioned contract, excepting payment withheld due to delinquent debt for which the Subcontractor is responsible, and that the work reported herein conforms to the work reported in the approved Utilization Plan (DBE Form 2026/2025) together with any amendments approved by ISTHA. The undersigned also certifies that he or she is a duly authorized agent with full power and Tollway to make this certification.**

Prime Contractor

28	Name of Agent:	
29	Title of Agent:	
30	Signature of Agent:	
31	Date of Signature:	

Subcontractor

32	Name of Agent:	
33	Title of Agent:	
34	Signature of Agent:	
35	Date of Signature:	

Capture Application Request for Log-in/Password

I, _____, _____,
(Print the name of signatory party) (Title)

request a **Login** and **Password** for the DBE/EEO Capture Application for

☐ Construction Manager ☐ Prime Contractor

(company name) _____.

Request Type: ☐ New User **– or --** ☐ I need to add or remove contracts from my existing ID.

My email address is: _____ (only for new user).

I have the responsibility to review DBE/EEO data for the Tollway on contract(s):

# _____ [ ] add [ ] remove	# _____ [ ] add [ ] remove	# _____ [ ] add [ ] remove
# _____ [ ] add [ ] remove	# _____ [ ] add [ ] remove	# _____ [ ] add [ ] remove

Any party reviewing this DBE/EEO data must certify that they have the Tollway to provide the information contained therein and that the information is complete and accurate.

Print Name:_____ Date _____

User Signature: _____ Date _____

Print Company Name: _____ Date _____

Affidavit: *For and on behalf of*_____
(Printed Company Name)
I, _____, its duly authorized agent with full power
(Printed Name of Agent)
and Tollway to make this certification, represents, warrant and certify to the Illinois Tollway that this Disclosure is complete and accurate.

Title of Agent:	
Signature of Agent:	
Date of Signature:	

For ease of response, please e-mail this request from the email account listed above to:
dbe@getipass.com

Illinois State Toll Highway Authority

SPECIAL PROVISIONS FOR

EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. OBJECTIVE OF THE EQUAL EMPLOYMENT OPPORTUNITY PROGRAM (EEO):

To promote equality of employment opportunity for all individuals including veteran, minority, and female tradespersons on Illinois State Toll Highway Authority (ISTHA or "Tollway") capital construction projects. In its efforts to achieve this equality, it is the desire of ISTHA to follow the guidelines as instituted by the United States Department of Labor, Office of Federal Contract Compliance Programs ("OFCCP") as established through Executive Order 11246 and by Title VII of the Civil Rights Act of 1964, the Illinois Department of Human Rights (IDHR) as established through the Illinois Human Rights Act (Illinois Compiled Statutes, 775 ILCS 5/1 -101, *et sequitur*), and State of Illinois Executive Order 15-2, Executive Order To Ensure Equal Opportunity Is Provided To All Illinois Persons And Businesses.

2. CONTRACTOR ASSURANCE:

The contractor will assure that each of its employees and its subcontractors' employees associated with the contract shall not discriminate on the basis of any protected category identified by law in the performance of this contract in compliance with Title VII of the Civil Rights Act of 1964 found in 42 U.S.C § 2000e, *et seq* and Illinois state laws. Discrimination is the unfair treatment or denial of normal privileges to persons because of any characteristic protected by law. The Tollway encourages the prompt reporting of incidents of suspected discrimination, harassment or retaliation, regardless of the offender's identity or position. In the event of the contractor's non-compliance with this Equal Employment Opportunity Special Provision, the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and other remedies invoked as provided by statute or regulation.

3. EEO GOAL TO BE ACHIEVED BY THE CONTRACTOR:

The EEO goals set by the U.S. Dept. of Labor - Office of Federal Contract Compliance Programs ("OFCCP") for construction trade workers in the Chicago area, which is provided through Executive Order 11246, apply to this contract. The EEO goals are measured through the following percentages of construction aggregated work hours in each of the categories;

Women: at least 6.9 percent for all contracts.

Minorities: set on a contract basis, dependent upon the county where the work will be performed. The Minority Goal for this contract is **19.6%**.

ILLINOIS COUNTY	CURRENT FEDERAL GOAL % FOR MINORITIES	ILLINOIS COUNTY	CURRENT FEDERAL GOAL % FOR MINORITIES
BOONE	6.3	LAKE	19.6
BUREAU	18.4	LASALLE	18.4
COOK	19.6	LEE	4.6
DEKALB	18.4	MCHENRY	19.6
DUPAGE	19.6	OGLE	4.6
GRUNDY	18.4	ROCK ISLAND	4.6
HENRY	4.6	STEPHENSON	4.6
IROQUOIS	18.4	WHITESIDE	3.4
KANE	19.6	WILL	19.6
KENDALL	18.4	WINNEBAGO	6.3

4. DEFINITIONS OF ETHNIC CLASSIFICATIONS:

AMERICAN INDIAN OR ALASKA NATIVE:

Persons having origins in any of the original peoples of North and South American (including Central America), and who maintain tribal affiliation or community attachment.

ASIAN:

Persons having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian Subcontinent, including for example Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.

BLACK OR AFRICAN AMERICAN:

Persons having origins in any of the Black racial groups of Africa.

HISPANIC:

Persons of Mexican, Puerto Rican, Cuban, Central American, South American, or other Spanish culture or origin, regardless of race.

5. CONTRACT PERFORMANCE

During the performance of this contract, the contractor agrees as follows, as required by the Illinois Department of Human Rights (IDHR) at 44 Ill. Admin. Code 750 (Appendix A):

5.1 That it will, upon receipt of "Notice of Intent" email as low apparent responsive/responsible Bidder, submit EEO Form 1256, Workforce Projection if required by the "Notice of Intent".

5.2 That it will not discriminate against any protected category identified by law; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

5.3 That, if it hires additional employees in order to perform this contract or any portion thereof, it will determine the availability (in accordance with IDHR's rules) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

5.4 That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination of any protected category identified by law.

5.5 That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the IDHR's Rules. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules, the contractor will promptly so notify the IDHR and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.

5.6 That it will submit reports as required by the IDHR's Rules, furnish all relevant information as may from time to time be requested by the IDHR or the Tollway, and in all respects comply with the Illinois Human Rights Act and the IDHR's Rules.

5.7 That it will abide by the audit clause of the contract.

5.8 That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable

for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the IDHR in the event any subcontractor fails or refuses to comply therewith. In addition,

the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

5.9 That it will designate and make known to the Tollway an EEO Officer.

6. CALCULATING EEO PERFORMANCE, CREDIT TOWARDS THE USDOL OFCCP GOALS AND VETERAN PARTICIPATION FOR ILLINOIS EXECUTIVE ORDER 15-12:

Actual amounts of minority, female, and veteran work will be measured for the total hours of construction workers employed on the contract within each of the categories of journeyworker, apprentice and laborer by the contractor and all of the worksite subcontractors. Minority female trade worker hours are counted in applicable ethnic category, in the veteran category if applicable and also in the female category.

In the certified payroll reports, the following ethnic categories should be used to indicate minority personnel for purposes of reporting compliance with the weekly certified payroll report: American Indian/Alaska Native, Asian, Black/African American, Hispanic and Native Hawaiian/Other Pacific Islander.

Included in the certified payrolls, as "Apprentices" are only bona fide apprentices currently in a training program certified by the U.S. Department of Labor - Bureau of Apprenticeship and Training, and hours credited towards the EEO Program are only those hours the apprentice was employed at the construction site. "Journeyworkers" are the construction site journeyworkers from the major trades. Other "Helpers", watchmen, custodial workers, clerical workers, and salaried superintendents are not creditable in the formula. Hourly wage "Forepersons" and "Forepersons" otherwise known as working forepersons, will be counted as journeyworkers for purposes of the EEO Program reporting.

In addition to the timely submission of certified payroll required by the Prevailing Wage Act (820 ILCS 130) as required by the contract specifications, the contractor must have submitted all certified payrolls for the contractor and all subcontractors before the contractor submits its request for the final release of retention and the final waiver of lien. No adjustments to certified payrolls will be accepted after the transmission of the final waiver of lien.

The contractor and each subcontractor shall permit its employees to be interviewed on the job, during working hours, by compliance personnel of the Tollway, IDHR or the Department of Labor regarding compliance with the terms of this Special Provision.

7. EEO FORM 0003 WORKFORCE ANALYSIS

All contractor and subcontractors' EEO 0003 reports must be submitted electronically to the Tollway.

The party preparing the report must give their name, title, email address and telephone number. The contractor is required to submit EEO Form 0003, Workforce Analysis, electronically monthly and be up-to-date to through the last full month preceding the transmittal of each pay estimate. Failure to submit the EEO 0003 Report(s) electronically **before transmittal of the pay estimate** will cause the pay estimate to be deemed incomplete and will be returned to the contractor for completion.

The contractor is responsible for maintaining a hard copy of the contractor's and subcontractors' certified payrolls, including all properly executed certifications, organized by contract for every construction worksite. Failure to report fully all required workforce information will cause a delay in processing the contractor's pay estimates. Disclosure of this information is required. Patterns of delinquent reporting may be cause to terminate this contract or such other remedy as the Tollway deems appropriate.

8. SUBCONTRACTOR OBLIGATIONS:

The contractor is required to clearly identify in their subcontract agreements the specific performance obligations that each subcontractor has toward assisting the contractor in meeting the EEO goals.

In the same manner as with other provisions of this contract, the contractor will be responsible for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the Tollway and the IDHR in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

9. GOOD FAITH EFFORT PROCEDURES:

If the Tollway determines that the contractor and/or its subcontractors are not in compliance with the EEO goals, the Tollway will notify the contractor of said non-compliance. The contractor must submit a Corrective Action Plan within fifteen (15) business days of the date of its receipt of the notice of non-compliance. The Corrective Action Plan must contain evidence of good faith efforts the contractor has made in an effort to meet the EEO goals and outline the additional good faith efforts the contractor will be making, including but not limited to timelines, through the remaining life of the contract.

10. CORRECTIVE ACTION PLAN:

The Corrective Action Plan must show that the contractor made good faith efforts, taking all necessary and reasonable steps to achieve the stated EEO goals. Necessary and reasonable steps are those that could reasonably be expected to employ and retain a sufficient number of minority and female trade workers to meet or exceed the federally set EEO goals for the Illinois county in which work is performed.

Examples of Good Faith Efforts include, but are not limited to, the following:

- Establish and maintain a current list of minority, veteran and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the contractor or its labor organizations have employment opportunities available, and maintain a record of the organizations' responses.
- Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a labor organization, a recruitment source or community organization.
- Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the contractor's employment needs, especially those programs funded or approved by the Department of Labor.
- Disseminate the contractor's EEO policy by providing notice of the policy to labor organizations and training programs and requesting their cooperation in assisting the contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- Disseminate the contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the contractor's EEO policy with other contractors and Subcontractors with whom the contractor does or anticipates doing business.

- Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs.
- Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.

The Tollway will consider the quality, quantity and intensity of the kinds of efforts that the contractor and its subcontractors have made throughout the life of the contract. Mere pro forma efforts are not good faith efforts; rather, the contractor and its subcontractors are expected to have taken those efforts that would be reasonably expected of a contractor and its subcontractors who are actively trying to employ and retain minority and female trade workers sufficient to meet the contract EEO goals.

11. AMENDED CORRECTIVE ACTION PLAN:

If the Tollway determines that the contractor has not made a good faith effort to meet the EEO goals, the Tollway will notify the contractor of that preliminary determination by contacting the responsible company official designated in the Corrective Action Plan. The preliminary determination will include a statement of reasons why a finding of insufficient good faith efforts has been made and may include additional good faith efforts that the contractor could take to remedy the deficiency. The notification will designate a fifteen (15) business day period during which the contractor may make additional efforts to demonstrate a good faith effort to meet the EEO goals. The contractor is not limited by the Tollway's suggestions per Sections 9 and 10 of additional good faith efforts, but may take other actions in order to demonstrate good faith efforts to employ and retain additional minority and female trade workers on the project. The contractor shall submit an amended Corrective Action Plan if additional employment commitments to meet the EEO contract goal are secured and/or to document its additional good faith efforts. If additional hiring commitments sufficient to meet the EEO contract goal are not secured, the contractor shall report the final good faith efforts made in the time allotted. All additional efforts taken by the contractor will be considered as part of the contractor's good faith efforts. If the contractor is not able to meet the EEO goal after making additional efforts, the Tollway will make a pre-final determination as to the good faith efforts of the contractor and will notify the designated responsible contractor official of the reasons for an adverse determination, if applicable.

12. DETERMINATION OF NON-COMPLIANCE:

If the Tollway determines that the contractor has failed to make a good faith effort to meet the EEO goals on the contract, the Tollway will document its findings in a "Letter of Non-Compliance" that will become part of the procurement file maintained on the contractor by the Tollway. The Letter may include a proposed sanction under Section 14 if the contractor fails to take corrective action in a timely fashion. Upon a finding that a contractor has failed to make good faith efforts to achieve the applicable EEO goals, the Tollway may exercise any appropriate sanction available to it under Section 14, including the revocation of the contract award to the contractor and any other remedy available to the Tollway under its contract with the contractor or by law.

13. ADMINISTRATIVE RECONSIDERATION:

The contractor may request administrative reconsideration of a Letter of Non-Compliance within the fifteen (15) business days after its receipt of the Letter by actual delivery of a reconsideration request to the Tollway, Department of Diversity and Strategic Development, 2700 Ogden Avenue, Downers Grove, Illinois 60515-1703 or via email to E-mail address: form0003wfa@getipass.com. Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The Letter of Non-Compliance shall become final if the contractor fails to submit a timely request for administrative reconsideration. A request may provide additional written documentation and/or argument concerning the issue of whether an adequate good faith effort was made to meet the contract goal.

The Tollway Chief of Diversity and Strategic Development or his/her designee will send the Contractor a written decision within fifteen (15) business days after receipt of the request for reconsideration, unless extended by the

Tollway if a hearing is requested, explaining the basis for finding that the contractor did or did not meet the EEO goals or demonstrate good faith efforts towards meeting those goals. A decision by the Chief of Diversity and Strategic Development that a good faith effort was made shall be deemed approval of the Corrective Action Plan submitted by the contractor. A final decision that a good faith effort was not made shall render the contractor in breach as non-compliant with its contract with the Tollway and may subject the contractor to sanctions under Section 14.

14. SANCTIONS:

The Contractor's failure to achieve the EEO goals or to demonstrate good faith efforts towards meeting those goals may subject the Contractor to administrative sanctions. These sanctions include, but are not limited to, monetary sanctions, including non-release of retainage, liquidated damages, deeming the contractor as non-responsible with respect to future business with the Tollway, and other reasonable sanctions as are permitted by law or equity. A contractor's repeated failure to meet its EEO obligations on Tollway contracts can be grounds for the Tollway to not award future contracts to the contractor.

In imposing sanctions, the Tollway will consider the bona fide efforts of the contractor to meet the EEO goals, its history of good faith efforts on other Tollway contracts, the size of the contract, the degree to which the contractor fell below the EEO goals, and other factors deemed relevant by the Tollway.

15. RECORDS RETENTION AND AUDIT

Refer to the audit clause of the contract.

16. INACCURATE OR FRAUDULENT REPORTING:

contractors and subcontractors have a duty to accurately report information pursuant to this Special Provision. A contractor or subcontractor who fails to supply accurate information may be subject to sanctions imposed by the Tollway under Section 14. A contractor or subcontractor who intentionally supplies inaccurate information may be subject to civil and/or criminal sanctions.

17. OTHER REGULATIONS:

The achievement of the EEO goals does not abrogate other responsibilities of the contractor to comply with equal employment opportunity requirements under federal or state law, municipal ordinance, prevailing government regulations or terms contained elsewhere in the contract.

Illinois Tollway

Tollway Contract #: I-17-4339

Prime: Judlau Contracting, Inc.

Date: June 2, 2020

FORM EEO 1256 - WORKFORCE PROJECTION

The undersigned Bidder has analyzed minority group and female populations, unemployment rates and availability of workers for the location in which this contract work is to be performed, and for the locations from which the Bidder recruits employees, and hereby submits the following workforce projection including a projection for minority and female employee utilization in all job categories in the workforce to be allocated to this contract:

TABLE A

TOTAL Workforce Projection for Contract

JOB CATEGORIES	TOTAL EMPLOYEES		MINORITY EMPLOYEES						TRAINEES			
			BLACK		HISPANIC		*OTHER MINOR.		APPREN-TICES		ON THE JOB TRAINEES	
	M	F	M	F	M	F	M	F	M	F	M	F
Officials (Manager)	1											
Supervisors	3											
Foremen	21		4		9							
Clerical												
Equipment Operators	18	4			7				3			
Mechanics												
Truck Drivers												
Ironworkers												
Carpenters	17	3	7	1	5	2			4	1		
Cement Masons	14	2	2		4							
Electricians												
Pipefitters, Plumbers												
Painters												
Laborers, Semi-Skilled	38	12	9	2	14	7			4	2	4	1
Laborers, Unskilled												
TOTAL	112	21	22	3	39	9			11	3	4	1

TABLE B

CURRENT EMPLOYEES TO BE ASSIGNED TO CONTRACT

TOTAL EMPLOYEES		MINORITY EMPLOYEES	
M	F	M	F
1			
3			
16		7	
12	2	5	
9	2	6	2
7		3	
22	6	19	5
70	10	40	7

TABLE C

TOTAL Training Projection for Contract

Employees In Training	Total Employee		Black		Hispanic		*Other Minor.	
	M	F	M	F	M	F	M	F
Apprentices	11	3	3	1	5	1		
On-The-Job Trainees	4	1	1	1	2			

* Other minorities are defined as Asians (A) or Native Americans (N). Please specify race of each employee shown in Other Minorities column.

Note: See Instructions on page 2

FORM EEO 1256 - WORKFORCE PROJECTION - continued

A. Included in "Total Employees" under Table A is the total number of new hires that would be employed in the event the undersigned Bidder is awarded this contract.

The undersigned Bidder projects that: (number) 49 new hires would be recruited from the area in which the contract project is located; and/or (number) 4 new hires would be recruited from the area in which the Bidder's principal office or base of operation is located.

B. Included in "Total Employees" under Table A is a projection of numbers of persons to be employed directly by the undersigned Bidder as well as a projection of numbers of persons to be employed by subcontractors.

The undersigned Bidder estimates that (number) 87 persons will be directly employed by the prime contractor and that (number) 46 persons will be employed by subcontractors.

Company Judlau Contracting, Inc. Telephone Number 630.387.6040

1011 Warrenville Road, Suite 195

Address Lisle, IL 60532

Instructions: All tables must include subcontractor personnel in addition to prime contractor personnel.

Table A - Include both the number of employees that would be hired to perform the contract work and the total number currently employed (Table B) that will be allocated to contract work, and include all apprentices and on-the-job trainees. The "Total Employees" column should include all employees including all minorities, apprentices and on-the-job trainees to be employed on the contract work.

Table B - Include all employees currently employed that will be allocated to the contract work including any apprentices and on-the-job trainees currently employed.

Table C - Indicate the racial breakdown of the total apprentices and on-the-job trainees shown in Table A.

EEO 0003 Workforce Reporting Worksheet

Contract #		Prepared by	
EEO Contractor/Supplier Name		Title	
Company Contact		E-mail Address	
Period Begin Date		Phone #	
Period End Date			
Current Pay Estimate		% Complete	Mobilization Date
No Hours to Report	☐		
Work Performed			
Narrative Box			

Job Category	✓ CHECK THE CORRECT BOX												ENTER HOURS AND COUNT			
	Gender		Ethnicity							Worker Experience Level			Non-Veteran		Veteran	
	Male	Female	African American	American Indian /AK	Asian	Hispanic	Native Hawaian or other Pacific	Two or More Races	White	Journey - man	App-rentice	On-the-Job Trainee	Hours	Count	Hours	Count

STATE OF ILLINOIS

SPECIAL PROVISION - VETERAN SMALL BUSINESS
PARTICIPATION AND UTILIZATION PLAN - CONSTRUCTION
For State Agency/State University Use Only

It is the goal of the State to promote and encourage the continued economic development of small businesses owned and controlled by qualified veterans and that qualified service-disabled veteran-owned small businesses (SDVOSB) and veteran-owned small businesses (VOSB) participate in the State's procurement process as both prime contractors and subcontractors. 30 ILCS 500/45-57.

Contract Goal to be Achieved by Vendor: This solicitation includes a specific **Veteran Small Business** participation goal of **0.5%** based on the availability of CMS certified veteran-owned and service-disabled veteran-owned small business (VOSB/SDVOSB) vendors to perform or provide the anticipated services and/or supplies required by this solicitation.

The Veteran Small Business participation goal is applicable to all bids or offers. In addition to the other award criteria established for this solicitation, the Agency will award this contract to a Vendor that meets the goal or makes good faith efforts to meet the goal. This goal is also applicable to change orders and allowances within the scope of work provided by the certified VOSB/SDVOSB vendor. If Vendor is a CMS certified VOSB/SDVOSB vendor, the entire goal is met and no subcontracting with a CMS certified VOSB/SDVOSB vendor is required; however, **Vendor must submit a Utilization Plan indicating that the goal will be met by self-performance.**

The VOSB goal is separate and distinct from the DBE goal. A single firm may not be utilized to achieve credit toward both DBE and VOSB goals on a single project except when the firm is bidding the contract as the Prime Vendor, is certified as both a DBE and VOSB and will commit to meeting the two goals by self-performing the same or greater percentage of work under the contract as the DBE and VOSB goals added together.

Following are guidelines for Vendor's completion of the Utilization Plan. **Please read the guidelines carefully.**

- Utilization Plan (Form 2026) is due with bid
- Good Faith Efforts (Form 2023) is due with bid, if applicable
- Participation Statement (Form 2025) for each Veteran firm listed on the Form 2026 should be submitted at the time of bid. There is a five (5) day cure period to provide complete and accurate information on the VOSB Form 2025 by 5:00 p.m. on the fifth calendar day after bids are due. In no case should a contractor remove, replace, or reduce the commitment to a Veteran firm listed in the initial Utilization Plan Form 2026 without prior written consent of ISTHA. Under no circumstances is the Bidder allowed to change the amount of the core bid submitted or any other documentation unrelated to this special provision.

Vendor should include any additional information that will add clarity to Vendor's proposed utilization of certified Veteran Small Business vendors to meet the targeted goal. The Utilization Plan must demonstrate that Vendor has either: (1) met the entire contract goal; (2) made good faith efforts towards meeting the entire goal; or (3) made good faith efforts towards meeting a portion of the goal. Any submission of good faith efforts by Vendor shall be considered as a request for a full or partial waiver.

At the time of bid or offer, Vendor, or Vendor's proposed Subcontractor, must be certified with CMS as a VOSB or SDVOSB. Failure to complete a Utilization Plan or provide Good Faith Effort documentation shall render the bid or offer non-responsive or not responsible.

1. If applicable where there is more than one prime vendor, the Utilization Plan should include an executed Joint Venture Agreement specifying the terms and conditions of the relationship between the parties and their relationship and responsibilities to the contract. The Joint Venture Agreement must clearly evidence that the certified VOSB/SDVOSB vendor will be responsible for a clearly defined portion of the work and that its responsibilities, risks, profits and contributions of capital, and personnel are proportionate to its ownership percentage. It must include specific details related to the parties' contributions of capital, personnel, and

equipment and share of the costs of insurance and other items; the scopes to be performed by the certified VOSB/SDVOSB vendor under its supervision; and the commitment of management, supervisory personnel, and operative personnel employed by the certified VOSB/SDVOSB vendor to be dedicated to the performance of the contract. Established Joint Venture Agreements will only be credited toward Veteran Small Business goal achievements for specific work performed by the certified VOSB/SDVOSB vendor. **Each party to the Joint Venture Agreement must execute the bid or offer prior to submission of the bid or offer to the Agency.**

2. An agreement between a vendor and a certified VOSB/SDVOSB vendor in which a certified VOSB/SDVOSB vendor promises not to provide subcontracting or pricing quotations to other vendors is prohibited. The Agency may request additional information to demonstrate compliance. Vendor agrees to cooperate promptly with the Agency in submitting to interviews, allowing entry to places of business, providing further documentation, and to soliciting the cooperation of a proposed certified VOSB/SDVOSB vendor. Failure to cooperate by Vendor and certified VOSB/SDVOSB vendor may render the Bidder or offeror non-responsive or not responsible. **The contract will not be finally awarded to Vendor unless Vendor's Utilization Plan is approved.**

3. **Veteran Small Business Certified Vendor Locator References:** Vendors may consult CMS' Veteran Small Business Vendor Directory at www.sell2.illinois.gov/cms/business, as well as the directories of other certifying agencies, but firms **must be certified with CMS as VOSB/SDVOSB vendors at the time of bid/offer.**

4. **Vendor Assurance:** Vendor shall not discriminate on the basis of race, color, national origin, sexual orientation or sex in the performance of this contract. Failure by Vendor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the Agency deems appropriate. This assurance must be included in each subcontract that Vendor signs with a subcontractor or supplier.

5. **Calculating Certified VOSB/SDVOSB Vendor Participation:** The Utilization Plan documents work anticipated to be performed, or goods/equipment provided by all certified VOSB/SDVOSB vendors and paid for upon satisfactory completion/delivery. Only the value of payments made for the work actually performed by certified VOSB/SDVOSB vendors is counted toward the contract goal. Applicable guidelines for counting payments attributable to contract goals are summarized below:

5.1 The participation of VOSBs will be calculated on the amount of the Core Work, not Contingency Work identified in the bid documents. The contractor's VOSB commitment will be assessed for any and all Extra Work Orders (EWO) and Change Orders (CO) at the time such orders are issued.

5.1.1 *Contingency Work* is the anticipated work within the scope of the project which is included in the project to cover the work of such an uncertain nature that the location or quantity could not be identified prior to awarding the contract.

5.1.2 *Core Work* is the anticipated work within the scope of the project which is included in the project to cover the work of such a nature that the location and estimated quantity could be identified prior to awarding the contract.

5.2. The value of the work actually performed or goods/equipment provided by the certified VOSB/SDVOSB vendor shall be counted towards the goal. The entire amount of that portion of the contract that is performed by the certified VOSB/SDVOSB vendor, including supplies purchased or equipment leased by the certified VOSB/SDVOSB vendor shall be counted, except supplies purchased and equipment rented from the Prime Vendor submitting this bid or offer.

5.3. A vendor shall count the portion of the total dollar value of the Veteran Small Business contract equal to the distinct, clearly defined portion of the work of the contract that the certified VOSB/SDVOSB vendor performs toward the goal. A vendor shall also count the dollar value of work subcontracted to other certified VOSB/SDVOSB vendor. Work performed by the non-certified VOSB/SDVOSB party shall not be counted toward the goal. **Work that a certified VOSB/SDVOSB vendor subcontracts to a non-certified VOSB/SDVOSB vendor will not count towards the goal.**

5.4. A Vendor shall count toward the goal 100% of its expenditures for materials and supplies required under the contract and obtained from a certified VOSB/SDVOSB manufacturer; 60% of the cost of the materials or supplies required under the contract and obtained from a certified VOSB/SDVOSB regular dealer or supplier shall count toward the VOSB/SDVOSB goal. A Vendor shall count toward the goal the following expenditures to certified VOSB/SDVOSB vendors that are not manufacturers, regular dealers, or suppliers:

5.4.1. The fees or commissions charged for providing a bona fide service, such as professional, technical, consultant or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials or supplies required for performance of the contract, provided that the fee or commission is determined by the Agency to be reasonable and not excessive as compared with fees customarily allowed for similar services.

5.4.2. The fees charged for delivery of materials and supplies required by the contract (but not the cost of the materials and supplies themselves) when the hauler, trucker, or delivery service is not also the manufacturer or a supplier of the materials and supplies being procured, provided that the fee is determined by the Agency to be reasonable and not excessive as compared with fees customarily allowed for similar services. The certified VOSB/SDVOSB vendor's trucking firm must be responsible for the management and supervision of the entire trucking operation for which it is responsible on the contract, and must itself own and operate at least one fully licensed, insured and operational truck used on the contract.

5.4.3. The fees or commissions charged for providing any bonds or insurance specifically required for the performance of the contract, provided that the fee or commission is determined by the Agency to be reasonable and not excessive as compared with fees customarily allowed for similar services.

5.5. Certified VOSB/SDVOSB vendors who are performing on contract as second tier subcontractors may be counted in meeting the established Veteran Small Business goal for this contract as long as the Prime Vendor can provide documentation indicating the utilization of these vendors.

5.6. A Vendor shall count towards the goal only expenditures to firms that perform a commercially useful function in the work of the contract.

5.6.1. A firm is considered to perform a commercially useful function when it is responsible for execution of a distinct element of the work of a contract and carries out its responsibilities by actually performing, managing, and supervising the work involved. The certified VOSB/SDVOSB vendor must also be responsible, with respect to materials or supplies used on the contract, for negotiating price, determining quality and quantity, ordering the materials or supplies, and installing the materials (where applicable) and paying for the material or supplies. To determine whether a firm is performing a commercially useful function, the Agency shall evaluate the amount of work subcontracted, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing, and the credit claimed for its performance of the work, industry practices, and other relevant factors.

5.6.2. A certified VOSB/SDVOSB vendor does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction or contract through which funds are passed through in order to obtain certified VOSB/SDVOSB vendor participation. In determining whether a certified VOSB/SDVOSB vendor is such an extra participant, the Agency shall examine similar transactions, particularly those in which certified VOSB/SDVOSB vendors do not participate, and industry practices.

5.7. A Vendor shall not count towards the goal expenditures that are not direct, necessary and related to the work of the contract. Only the amount of services or goods that are directly attributable to the performance of the contract shall be counted. Ineligible expenditures include general office overhead or other Vendor support activities.

6. Good Faith Effort Procedures: Vendor must submit a Utilization Plan (VOSB Form 2026) and Participation Statement(s)(VOSB Form 2025) that meet or exceed the published goal. If Vendor cannot meet the stated goal,

Vendor must document and explain via VOSB Form 2023 the good faith efforts it undertook to meet the goal. Utilization Plan, Participation Statement(s) and Good Faith Effort are due at the time of bid or offer submission. **Vendors will not be permitted to correct goal deficiencies after bid or offer due dates.** CMS or the State Agency, as its delegate, will consider the quality, quantity, and intensity of Vendor's efforts.

The Utilization Plan contains a checklist of actions that CMS or the State Agency, as its delegate, will consider as evidence of Vendor's good faith efforts to meet the goal. Other factors or efforts brought to the attention of CMS or the State Agency, as its delegate, may be relevant in appropriate cases.

6.1. In evaluating Vendor's good faith efforts, CMS or the State Agency, as its delegate, may consider whether the ability of other Bidders or offerors to meet the contract goal suggests that good faith efforts could have resulted in Vendor meeting the goal.

6.2 If CMS or the State Agency, as its delegate, determines that Vendor has made good faith efforts to meet the goal, the Agency may award the contract provided that Vendor is otherwise eligible for award.

6.3. If CMS or the State Agency, as its delegate, determines that good faith efforts have not been met, the bid or offer may be determined to be non-responsible by the Chief Procurement Office.

7. Contract Compliance: Compliance with this section is an essential part of the contract. The following administrative procedures and remedies govern Vendor's compliance with the contractual obligations established by the Utilization Plan. After approval of the Plan and award of the contract, the Utilization Plan becomes part of the contract. If Vendor did not succeed in obtaining certified VOSB/SDVOSB vendor participation to achieve the goal and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of certified VOSB/SDVOSB vendor work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the contract goal.

7.1. The Utilization Plan may not be amended after contract execution without the Agency's prior written approval.

7.2. **Vendor may not make changes to its contractual certified VOSB/SDVOSB vendor commitments or substitute certified VOSB/SDVOSB vendors without the prior written approval of the Agency**. Unauthorized changes or substitutions, including performing the work designated for a certified VOSB/SDVOSB vendor with Vendor's own forces, shall be a violation of the utilization plan and a breach of the contract, and shall be cause to terminate the contract, and/or seek other contract remedies or sanctions. The facts supporting the request for changes must not have been known nor reasonably should have been known by the parties prior to entering into the subcontract. Vendor must negotiate with the certified VOSB/SDVOSB vendor to resolve the problem. Where there has been a mistake or disagreement about the scope of work or goods/equipment, provided the certified VOSB/SDVOSB vendor can be substituted only where agreement cannot be reached for a reasonable price or schedule for the correct scope of work, goods or equipment.

7.3. Substitutions of a certified VOSB/SDVOSB vendor may be permitted under the following circumstances:

7.3.1. Unavailability after receipt of reasonable notice to proceed;
7.3.2. Failure of performance;
7.3.3. Financial incapacity;
7.3.4. Refusal by the certified VOSB/SDVOSB vendor to honor the bid or bid price or scope;
7.3.5. Material mistake of fact or law about the elements of the scope of work of a solicitation where a reasonable price cannot be agreed;
7.3.6. Failure of the certified VOSB/SDVOSB vendor to meet insurance, licensing or bonding requirements;

7.3.7. The certified VOSB/SDVOSB vendor's withdrawal of its bid or offer; or
7.3.8. Decertification of the certified VOSB/SDVOSB vendor.

7.4. If it becomes necessary to substitute a certified VOSB/SDVOSB vendor or otherwise change the Utilization Plan, Vendor must notify the Agency in writing of the request to substitute a certified VOSB/SDVOSB vendor or otherwise change the Utilization Plan. The request must state specific reasons for the substitution or change. The Agency will approve or deny a request for substitution or other change in the Utilization Plan within five (5) business days of receipt of the request.

7.5. Where Vendor has established the basis for the substitution to the Agency's satisfaction, it must make good faith efforts to meet the contract goal by substituting a certified VOSB/SDVOSB vendor. Documentation of a replacement certified VOSB/SDVOSB vendor, or of good faith efforts to replace the certified VOSB/SDVOSB vendor, must meet the requirements of the initial Utilization Plan. If the goal cannot be reached and good faith efforts have been made, Vendor may substitute with a non-certified VOSB/SDVOSB vendor or Vendor may perform the work.

7.6. If a Vendor plans to hire a subcontractor for any scope of work that was not previously disclosed in the Utilization Plan, Vendor must obtain the approval of the Agency to modify the Utilization Plan and must make good faith efforts to ensure that certified VOSB/SDVOSB vendors have a fair opportunity to submit a bid or offer on the new scope of work.

7.7. A new certified VOSB/SDVOSB vendor agreement must be executed and submitted to the Agency within five (5) business days of Vendor's receipt of the Agency's approval for the substitution or other change.

7.8. Veteran payment reporting, in such form or format as specified by the Tollway, must be submitted as specified in the Diversity Payment Reporting Instructions posted on the Tollway's website.

After the performance of the final item of work or delivery of material by a VOSB/SDVOSB and final payment to the VOSB/SDVOSB by the contractor, but not later than thirty (30) calendar days after payment has been made by ISTHA to the contractor for such work or material, the contractor shall submit a VOSB/SDVOSB Final Payment Report on ISTHA Form 2115, or such other form or format as specified by the Tollway, to the Construction Manager. If full and final payment has not been made to the VOSB/SDVOSB, the Report shall indicate whether a disagreement concerning the final payment exists between the contractor and the VOSB/SDVOSB or if the contractor believes that the VOSB/SDVOSB's work has not been satisfactorily completed.

Vendor shall maintain a record of all relevant data with respect to the utilization of certified VOSB/SDVOSB vendors, including but without limitation, payroll records, invoices, canceled checks and books of account for a period of at least five years after the completion of the contract. Full access to these records shall be granted by Vendor in a timely fashion upon written demand by the Agency to any duly authorized representative thereof, or to any municipal, state or federal authorities. The Agency shall have the right to obtain from Vendor any additional data reasonably related or necessary to verify any representations by Vendor. After the performance of the final item of work or delivery of material by the certified VOSB/SDVOSB vendor and final payment to the certified VOSB/SDVOSB vendor by Vendor, but not later than thirty (30) calendar days after such payment, Vendor shall submit a statement confirming the final payment and the total payments made to the certified VOSB/SDVOSB vendor under the contract.

7.9. The Agency will periodically review Vendor's compliance with these provisions and the terms of its contract. Without limitation, Vendor's failure to comply with these provisions or its contractual commitments as contained in the Utilization Plan, failure to cooperate in providing information regarding its compliance with these provisions or its Utilization Plan, or provision of false or misleading information or statements concerning compliance, certification status or eligibility of the certified VOSB/SDVOSB vendor, good faith efforts or any other material fact or representation shall constitute a material breach of this contract and entitle the Agency to declare a default, terminate the contract, or exercise those remedies provided for in the contract or at law or in equity.

7.10. The Agency reserves the right to withhold payment to Vendor to enforce these provisions and Vendor's contractual commitments. Final payment shall not be made pursuant to the contract until Vendor submits sufficient documentation demonstrating compliance with its Utilization Plan.

Date: 6/5/2020

To: Contact Name: Alan Tutje
Contractor Company Name: Judlau Contracting, Inc.

From Tamela Reed-McClinton
DBE Project Specialist

Please note in accordance with the Procurement code (30 ILCS 500), section 50-11 prohibits a person from entering into a contract with a State agency, or entering into a sub-contract, if it, or any affiliate, is delinquent in the payment of any debt to the State, unless the person or affiliate has entered into a deferred payment plan to pay off the debt. (Procurement reform bill can be referenced on the Illinois Tollway website)

Subject: **VOSB Plan Review** **Date Original Plan Submitted:** 6/5/2020 **Revision #** 0

Contract # I-17-4339 **Established VOSB Goal:** 0.50 %

Contract Description: Elgin O'Hare West Access Tollway(I-490) Roadway and Bridge Widening and Reconstruction

[X] Contractor's plan as submitted meets the established VOSB goal for this contract

Notes:

VOSB Plan as Submitted by apparent low bidder:

Core Bid Amount	$143,309,098.56								
VOSB Firm Name	**Status (SB/Sup/TK)**	**Type**	**Scope**	**Contract Amount**	**Credit Amount**	**Credit %**	**Certifying Agency**	**Gender**	**Ethnicity**
Industrial Fence, Inc.	SB	VOSB	Fence/Guardrail	$728,600.00	$728,600.00	0.50 %	CMS	M	Hispanic
Total # of subcontracts: 1			**TOTAL**	**$728,600.00**	**$728,600.00**	**0.50 %**			
Total # of subcontractors: 1			**Total %**	**0.50 %**	**0.50 %**				

ILLINOIS STATE TOLL HIGHWAY AUTHORITY
VOSB FORM 2026 - UTILIZATION PLAN

PRIME CONTRACTOR: Judlau Contracting, Inc.
CONTACT NAME: Shamik Amin
CONTACT PHONE NUMBER: 630-387-6040
CONTACT E-MAIL: shamik.amin@ohlna.com

CONTRACT NUMBER I-17-4339

Check one:

☒ Contractor will meet or exceed the VOSB Contract Goal and will provide Veteran Owned Small Business Participation as presented below.

☐ Contractor will meet or exceed the VOSB Contract Goal because PRIME BIDDER IS A VOSB.

☐ Contractor requests a waiver of the VOSB Contract Goal.

The Bidder is requesting the contract Goal be accordingly modified or waived. Attached is all information required by the Veteran Small Business Participation and Utilization Plan-Construction in support of this request, including Good Faith Efforts - Form 2023.

DOLLAR AMOUNT OF WAIVER REQUEST:_____

PERCENTAGE OF WAIVER REQUEST: _____

Instructions to Bidders:

1. Bidders are required to comply with the Veteran Small Business Participation and Utilization Plan - Construction
2. Submit only one Veteran Utilization Plan for each Project.
3. This Utilization Plan, Form 2026 must:
   --be submitted with the bid or the bid may be deemed non-responsive
   --be an accurate representation of work and pricing agreed upon between the prime and the Veteran firm prior to bid submission
4. The Participation Statement(s) (VOSB Form 2025), with original signatures, pay item description and pricing are to be submitted to Tollway Diversity at constructionbid@getipass.com by 5 p.m. on the fifth calendar day after notification to the prime by the Tollway of apparent low Bidder status.
5. Each company listed on the Utilization Plan and subsequent Participation Statement must be listed in a certifying agency's database as stipulated in the Special Provision at the time of bid submission to be considered acceptable for Veteran credit.
6. In no case should a Contractor remove, replace or reduce the commitment to a Veteran firm listed in the initial Utilization Plan on the Participation Statement without prior written consent of ISTHA. Under no circumstances is the Bidder allowed to change the amount of the core bid submitted or any other documentation unrelated to this special provision.

VOSB UTILIZATION PLAN

VOSB Firm Name	Scope of Work Brief description of overall work to be performed	VOSB - Amount ($) If supplier, enter 60% credit amount.
Industrial Fence	Fence and Guardrail	$728,600.30
	TOTAL	$728,600.30

For ebid: the submission of Form 2026 constitutes signature of this form.
For hardcopy: signature required.

[redacted]
Signature

Form 2026 - 03/2018

Illinois State Toll Highway Authority "ISTHA"

VOSB FORM 2025 - VOSB PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #: I-17-4339

UNDERSTUDY FIRM: Industrial Fence Inc.

SECONDARY CERTIFY: VOSB ☐ SDVOSB

PRIME ____ JV PARTNER ____ SUBCONTRACTOR ✓ TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

SUBCONTRACTOR: TIER 1 (SUB TO PRIME): Y ☒ N ☐ TIER 2 OR BELOW: Y ☐ N ☐ UNDER CONTRACT TO:

This form must be completed for EACH veteran-owned business participating in the VOSB Utilization Plan. This form is due to the Tollway by 5:00 pm on the fifth calendar day after notification to the prime by the Tollway as low apparent bidder to constructionbid@getipass.com. If additional space is needed, complete an additional form(s) for the firm or attach a detailed information on VOSB firm company letterhead.

PAY ITEM NO.	DESCRIPTION: Indicate work that firm will perform and if it will supply and install	QUANTITY	UNIT PRICE	EXTENDED COST AMOUNT	CHECK IF SUPPLIER	TOTAL VOSB PARTICIPATION DOLLARS (Work that firm will perform and if it will supply and install)
	SEE ATTACHED					728,600.00 30
	TOTALS FOR THIS VOSB FIRM:					728,600.00 30

*Contingency Work must not be included under Pay Items and will not be approved toward VOSB goal participation until such time as those Pay Items have been confirmed as required work of the contract. Direct Allowance items, including but not limited to Mobilization Item #IS671010, will not be approved within the VOSB Utilization Plan. NOTE that these items are not included in the determination of the VOSB Goal percentage.

1. PARTIAL PAY ITEMS: For any of the above ITEMS that are partial pay items, specifically describe the work and subcontract dollar amount.

2. COMMITMENT: The undersigned certify that the information herein is true and correct, and that the VOSB listed below has agreed to perform a commercially-useful function in the work of the contract item(s) listed above and to execute a contract to that effect with the Prime Contractor. The undersigned further understand that NO CHANGES to the type or scope of work performed by the VOSB may be made without PRIOR WRITTEN APPROVAL and that complete and accurate information regarding actual work performed by the VOSB on this contract and the payment thereto must be provided to ISTHA's Department of Diversity and Strategic Development. The Prime Contractor will not assign any of the contract items listed above to a firm other than the VOSB identified below without ISTHA's prior written approval. The Prime Contractor must request, in writing, approval by ISTHA's Diversity and Strategic Development Department of any proposed amendment to the type or scope of work to be performed by the VOSB no later than three business days from the date the Prime Contractor becomes aware of the circumstances supporting the request. Failure to receive written approval prior to a change in type or scope of work violates the ILLINOIS VETERAN SMALL BUSINESS PARTICPATION AND UTILIZATION PLAN and can subject the contractor to contract sanctions.

[redacted] ESTIMATOR 6/5/20

Signature for Prime Contractor — Title — Date

Contact: Shamik Amin

Firm Name: Judlau Contracting, Inc.

E-mail: shamik.amin@ohlna.com

Phone: 630-387-6040

Address: 1011 Warrenville Rd #195, Lisle IL 60532

[redacted] President 06/03/20

Signature for VOSB Contractor — Title — Date

Contact: Miguel A. Saltijeral

Firm Name: Industrial Fence Inc.

E-mail: msaltijeral@industrialfenceinc.com

Phone: 773-521-9900

Address: 1300 S. Kilboum Avenue Chicago, IL 60623

INDUSTRIAL FENCE INC.

Manufactured in the USA. Veteran & Minority Owned.

GC: General Contractor

Contact: Estimating

Phone:

Email:

IFI Bid Proposal

Estimate Date: 06/04/2020

Work Order No: E20170

Project Name: ISTHA I-17-4339

Description	Unit	Quantity	Unit Price	Total Price
10 Chain Link Fence				
X6640535 - CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	LF	1,863.00	41.49	77,295.87
JI664305 - Right Of Way Fence (ROW) Ty 1 6'	LF	9,152.00	15.00	137,280.00
JI664310 Corner Post ROW Ty 1	EA	23.00	445.07	10,236.61
JI664315 Pull Pst ROW Ty 1	EA	14.00	445.06	6,230.84
JI664320 End Pst ROW Fence Ty1	EA	18.00	445.07	8,011.26
JI664335 Dbl Veh Gate ROW TY 1	EA	6.00	2,225.73	13,354.38
JI664400 ROW Fence Removal	LF	9,032.00	6.12	55,275.84
				$307,684.80
30 Guardrail				
63200310 Guardrail Removal	LF	8,540.00	5.39	46,030.60
70600280 - IMP ATTN TEMP SUN TL3	EA	19.00	10,330.56	196,280.64
70600370 - IMP ATTN REL SUN TL3	EA	1.00	3,280.56	3,280.56
JI630002 SPBGR Ty A 6' Post	LF	438.00	24.44	10,704.72
JI631110 Traffic Barrier Terminal Ty 1A Spl	EA	2.00	3,358.98	6,717.96
JI631120 Traffic Barrier Terminal Ty 2	EA	2.00	1,419.24	2,838.48
JI635010 Roadway Delineators	EA	4.00	51.32	205.28
JI706282 Impact Attenuator Temp SUN TL3 to Remain in Place	EA	1.00	34,030.56	34,030.56
JI782022 Guardrail Barrier Reflectors Type B	EA	10.00	8.76	87.60
JS120710 Energy Attenuator	EA	3.00	28,896.96	86,690.88
JI706400 - REMOVE TEMPORARY IMPACT ATTENUATOR	EA	1.00	1,023.48	1,023.48
JI725000 Terminal Marker DA	EA	6.00	43.82	262.92
				$388,153.68
50 Railings				
50901760 Pipe Handrail	LF	91.00	360.02	32,761.82
				$32,761.82
Totals				$728,600.30

We would like to thank you for the opportunity to bid on this project. It has been a pleasure serving you. We express our sincere appreciation for your business. At Industrial

INDUSTRIAL FENCE INC.

Manufactured in the USA. Veteran & Minority Owned.

GC: General Contractor

Contact: Estimating

Phone:

Email:

IFI Bid Proposal

Estimate Date: 06/04/2020

Work Order No: E20170

Project Name: ISTHA I-17-4339

Fence, Inc. we value your business and recognize the importance of service, quality and value.

Exclusions:

- Railroad, Professional Liability & Pollution Insurance
- Demo of existing fencing or footings
- No bonds, permits, licenses and/or fees
- Removal or Install of Concrete Pads for Attenuator
- Survey / Layout
- No taxes included
- Multiple Installations or removals
- Grounding
- Traffic-Control
- Excessive Mobilization
- No Bituminous Shoulder Coring of Fill (art. 630.06) FOR GUARDRAIL INSTALLATION** (Core Drilling PER HOLE $45.00 extra)
- No express or implied design build included to proposal.
- WBE / EEO Requirements
- Additional Required Insurance Coverages
- Concrete removal or rock/hard ground drilling/coring
- No clearing or Grubbing for fence removal or installation
- All work performed during regular work hours 7am to 3.30pm
- Widening of existing shoulder for construction of TBT Type 1 SPL
- QA-QC Testing & Inspection
- Grading or Restoration
- Unforeseen Conditions
- Liquidated & Unliquidated Damages
- Flagmen
- All work to be performed under normal conditions.
- Damages caused by motorists or other contractors
- Installation for Imbeds (cast by others)
- Damages caused by Unmarked Utilities
- Removal or Install of Concrete/Asphalt Pad for Temporary/Permanent
- Per IDOT Section 706.06 Impact Attenuators Temporary, any Maintenance or Repairs to the Unit will be completed on T&M
- Indemnification for Contractor negligence or fault
- Hand Digging Utilities
- No Restoration Included with Removal Items
- Exclude top Soil, pulverizing, asphalt, etc. for any steel plate beam guardrail adjustment.
- Attenuator rental is per project
- Normal wear & tear, weather, Dewatering, Snow Removal
- Guardrail Leave Outs
- Lane closures

IFI chooses to participate in the Option for Steel Cost Adjustment

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Industrial Fence, Inc.**
OWNER	**Mr. Miguel A. Saltijeral**
ADDRESS	**1300 S. Kilbourn Ave** **Chicago, IL 60623**
PHONE	**773-521-9900**
FAX	**773-521-9904**
EMAIL	**daquino@industrialfenceinc.com**

Map This Address

Certification Information

CERTIFYING AGENCY	**Cook County**
CERTIFICATION TYPE	**VBE - Veteran Business Enterprise**
CERTIFICATION DATE	**3/22/2019**
RENEWAL DATE	**7/20/2020**
EXPIRATION DATE	**3/22/2022**
CERTIFIED BUSINESS DESCRIPTION	**Construction - General Contractor: Installation Chain Link, Guardrail, Fencing, Railings & Miscellaneous Metals; and Construction Management; Fabrication/Manufacturer: Chain Link Fencing; Ornamental Fencing; Wrought Iron Fencing; Railings & Miscellaneous Metals; Regular Dealer: Chain Link Fencing; Ornamental Fencing; Wrought Iron Fencing; Railings and Related Products; and Low Voltage Electrical Work**

Commodity Codes

Code	Description
NAICS 237310	Bridge construction
NAICS 237310	Construction management, highway, road, street and bridge
NAICS 237310	Guardrail construction
NAICS 237310	Highway, Street, and Bridge Construction
NAICS 238190	Ornamental metal work installation
NAICS 238210	Low voltage electrical work
NAICS 238990	All Other Specialty Trade Contractors

NAICS 238990	Chain link fence installation
NAICS 332323	Architectural metalwork manufacturing
NAICS 332323	Fences and gates (except wire), metal, manufacturing
NAICS 332323	Gates, metal (except wire), manufacturing
NAICS 332323	Ornamental metalwork manufacturing
NAICS 332323	Pipe railings, metal, manufacturing
NAICS 332323	Railings, metal, manufacturing
NAICS 332323	Wrought iron fences manufacturing
NAICS 332618	Chain link fencing and fence gates made from purchased wire
NAICS 332618	Fencing and fence gates made from purchased wire
NAICS 423390	Architectural metalwork merchant wholesalers
NAICS 423390	Fencing (except wood) merchant wholesalers
NAICS 423390	Fencing and fencing accessories, wire, merchant wholesalers
NAICS 423390	Ornamental ironwork merchant wholesalers

Additional Information

VOSB FORM 2023

Demonstration of Good Faith Efforts to Achieve VOSB Construction Subcontracting Goal

If the VOSB contract goal was not achieved, the Good Faith Efforts checklist and contacts log must be submitted with the bid. Failure to do so may render the Bidder's solicitation response non-responsive and cause it to be rejected, or render the Bidder ineligible for contract award, at ISTHA's sole discretion. The Bidder must provide all evidence relied upon in support of its Good Faith Efforts with its bid.

Good Faith Efforts Checklist

Insert on each line below the initials of the authorized Bidder representative who is certifying the Bidder has completed the activities described below. If any of the items were not completed, attach a detailed written explanation. If any other efforts were made to obtain VOSB/SDVOSB participation in addition to the items listed below, attach a detailed written explanation.

_____Utilize the Sell2Illinois website to identify certified VOSB/SDVOSB vendors within the respective commodity/service codes and at a minimum email all listed vendors and solicit quotes from all vendors who express an interest via follow-up emails or telephone calls.

- https://www2.illinois.gov/cms/business/sell2/Pages/VendorSearch.aspx

_____Identified portions of the contract work capable of performance by available VOSBs/SDVOSBs, including, where appropriate, breaking out contract work items into economically feasible units to facilitate VOSB/SDVOSB participation even when the Bidder could perform those scopes with its own forces.

_____Make a portion of the work available to certified VOSB/SDVOSB vendors and selecting those portions of the work or material needs consistent with their availability, so as to facilitate certified VOSB/SDVOSB vendor participation.

_____Solicited through reasonable and available means (e.g., pre-bid meetings, networking session, written notices, advertisements) VOSBs/SDVOSBs to perform the types of work that could be subcontracted on this project, within sufficient time to allow them to respond. Vendor must determine with certainty if the certified VOSB/SDVOSB vendors are interested by taking appropriate steps to follow up initial solicitations and encourage them to submit a bid.

_____Provided timely and adequate information about the plans, specifications and requirements of the contract. Followed up initial solicitations to answer questions and encourage VOSBs/SDVOSBs to submit bids.

_____Negotiated in good faith with interested VOSBs/SDVOSBs that submitted bids and thoroughly investigated their capabilities. Evidence of such negotiation must include the names, addresses, email addresses, and telephone numbers of certified VOSB/SDVOSB vendors that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting and evidence as to why additional agreements could not be reached for certified VOSB/SDVOSB vendors to perform the work. A Vendor using good business judgment may consider a number of factors in negotiating with certified VOSB/SDVOSB vendors and may take a firm's price and capabilities into consideration. The fact that there may be some additional costs involved in finding and using certified VOSB/SDVOSB vendors may not be in itself sufficient reason for a Vendor's failure to meet the goal, as long as such costs are reasonable. Vendors are not required to accept higher quotes from certified VOSB/SDVOSB vendors if the price difference is excessive or unreasonable. The certified VOSB/SDVOSB vendor's memberships in specific groups, organizations, or associations and political or social affiliations are not legitimate causes for the rejection or non-solicitation of bids in Vendor's efforts to meet the goal.

VOSB FORM 2023 page 2

_____Made efforts to assist interested VOSBs/SDVOSBs in obtaining bonding, lines of credit, or insurance as may be required for performance of the contract (if applicable).

_____Made efforts to assist interested certified VOSB/SDVOSB vendors in obtaining necessary equipment, supplies, materials, or related assistance or services.

_____Utilized resources available to identify available VOSBs/SDVOSBs, including but not limited to VOSB/SDVOSB assistance groups; local, state and federal business assistance offices; and other organizations that provide assistance in the recruitment and placement of VOSBs/SDVOSBs.

Affidavit of Truthfulness: Signature below affirms accuracy of Good Faith Efforts and Tollway to provide above information

Print Name: _____ Phone contact: _____

Position: _____ E-mail address: _____

Signature: _____ Date: _____

VOSB FORM 2023

Good Faith Efforts Contacts Log for Soliciting - VOSB Participation: Form 2023 continued

Project name: _____ Project number: _____

Bidder name: _____ Contact person: _____

Use this form to document all contacts and responses (telephone, e-mail, fax, etc.) regarding the solicitation of VOSBs/SDVOSBs. Duplicate as needed.

Name of VOSB/SDVOSB	Date and method of contact	Scope of work solicited	Reason agreement was not reached

Affidavit of Truthfulness: Signature below affirms accuracy of Good Faith Efforts and Tollway to provide above information

Print Name: _____ **Phone contact:** _____

Position: _____ **E-mail address:** _____

Signature: _____ **Date:** _____

ILLINOIS STATE TOLL HIGHWAY AUTHORITY

SPECIAL PROVISION

FOR

BID CREDIT INCENTIVE PROGRAMS

1. OBJECTIVE OF THE BID CREDIT INCENTIVE PROGRAM

The Tollway offers programs allowing a contractor or subcontractor/fabricator to earn Bid Credits to be used toward future Tollway construction bids. A Bidder can then apply its Bid Credits to a maximum Bid Credit CAP assigned by the Tollway to each contract in order to lower their bid amount and increase the chances of winning the contract as the low bidder.

Use of Bid Credits from the Bid Credit Incentive Programs is applicable only to construction projects advertised by the Tollway for public bidding.

Current Tollway Bid Credit Programs are:

- ConstructionWorks (CW) Program: encouraging contractors to employ and retain qualified and eligible CW individuals enrolled in the CW Program, including African Americans, Asians, Hispanic, Ex-offenders, exonerated individuals, Females, Veterans and other traditionally underserved populations.

- Earned Credit Program (ECP): encouraging contractors to employ and retain qualified and eligible Workforce Innovation and Opportunity Act eligible individuals, including African Americans, Asians, Hispanic, Ex-offenders, exonerated individuals, Females, Veterans and other traditionally underserved populations.

- Partnering for Growth – Construction (P4G-Con): encouraging contractors to mentor a Disadvantaged Business Enterprise or Veteran-owned Small Business protégé firm.

For more information, reference the Operational Guide for each program on the Tollway's website, https://www.illinoistollway.com/doing-business/diversity-development/programs.

2. DEFINITIONS

Active Bid Credit Certificate *Register*: Listing of all active Bid Credit Certificates for all Bid Credit programs indicating certificate number, value, owner and issue date.

Active Bid Credits: Bid Credits available for submission and utilization on a construction bid.

Award Criteria: Contractor's Base Bid minus Bid Credit submitted subject to the Bid Credit Cap identified for each solicitation.

Base Bid: The bid amount prior to applying Bid Credits Submitted.

Bid Credit: Virtual dollar credits earned through a Tollway BID CREDIT Program.

Bid Credit Allocation: When Bid Credits Submitted by a prime contractor and subcontractor/fabricator are applied proportionally to the total of all the Bid Credits originally submitted with the bid.

Bid Credit Cap: A contract-specific limit as determined by an approved Tollway formula on the amount of Active Bid Credits that can be applied as Bid Credits. Any Bid Credits Submitted above and beyond the Bid Credit Cap will not be considered.

BID CREDIT CERTIFICATE: A numbered document that identifies certificate number, value, owner and issue date.

BID CREDITS SUBMITTED: BID CREDITs included in a construction bid as evidenced by a Bid Credit Certificate. The total amount of the certificate(s) will be considered as tendered unless otherwise indicated on the physical certificate.

BID CREDITS UTILIZED: The amount of BID CREDITs required to establish the apparent low Bidder based on the difference between the award criterions of the lowest Bidder and the next apparent low Bidder plus $1.00 of BID CREDIT.

INACTIVE BID CREDITS: Bid Credit not available for submission due to utilization on a construction bid or superseded by current ACTIVE BID CREDITs.

TOLLWAY: The Illinois State Toll Highway Authority.

3. EARNING BID CREDITS

Refer to the Operational Guides for active TOLLWAY Bid Credit Programs as posted on the TOLLWAY's website, https://www.illinoistollway.com/doing-business/diversity-development/programs.

4. BIDDING PROCEDURES

All bids must comply with the applicable procurement statutes, rules and regulations and the specific requirements of each solicitation to be considered responsive. Bids that fail to meet these minimum requirements may be considered non-responsive.

4.1 Each bid solicitation will have a contract-specific total Bid Credit Cap as determined by the approved Tollway formula on the amount of Bid Credit that can be applied.

4.2 Any credits applied above and beyond the Bid Credit Cap will not be considered.

4.3 If needed, contractors can check the appropriate ACTIVE Bid Credit Certificate REGISTER on the TOLLWAY's website to ensure Bid Credit Certificate SUBMITTED are active.

4.4 The Bid Credit Cap may be met by Bid Credits:

4.4.1 Earned from one Bid Credit program or from a combination of Bid Credit programs, as Bid Credit Certificates are now issued as one certificate covering all Bid Credit programs

4.4.2 Offered for submission by joint venture partners independently, and/or by subcontractors/fabricators independently, as per Section 5 below. If Bid Credits from different firms are submitted on the same bid, the Bid Credits are applied via Bid Credit Allocation as defined above proportionally to the amounts originally submitted on the bid.

4.5 Entering Bid Credits on the bid forms:

- The BASE BID is to be clearly identified on line #1 of the P page;
- Line #2 is to include the total amount of Bid Credit applied to the bid;
- Line #3 is to include the AWARD CRITERIA (Line #1 minus Line #2 equals Line #3).

4.6 All Bid Credit Certificates submitted to calculate the Bid Credit included on Line #2 must be included in the original bid package.

4.7 All Bid Credit UTILIZED to become or remain the successful Bidder will become unavailable for inclusion in any other bid at the time the Bidder's AWARD CRITERIA is deemed the lowest responsive and responsible bid.

4.8 The Bid Credit Certificate (s) will be redeemed up to the amount needed plus $1 to allow the contractor's bid to be the lowest apparent bid for award of the contract and any unused remaining balance will be returned in the form of a Bid Credit Certificate (s) to the contractor, or subcontractor/fabricator if applicable.

5. JOINT VENTURE AND SUBCONTRACTOR/FABRICATOR PARTICIPATION

5.1 Joint Venture partners who own Bid Credits may independently submit Bid Credits toward the joint venture bid subject to the overall Bid Credit Cap.

5.2 Subcontractors/fabricators who own Bid Credits may provide those Bid Credits to prime contractors to be applied by prime contractors in a bid solicitation, provided the prime contractor has committed to utilizing the subcontractor/fabricator in the performance of the contract unless such use is prohibited for reasons beyond the prime contractor's control.

5.3 In the event that a subcontractor/fabricator becomes disqualified from contract participation by no fault of the prime, (i.e. delinquent debt, etc.) the actual Active Bid Credits Utilized by the disqualified subcontractor/fabricator that factored into the apparent winning bid will not be refunded to the subcontractor's Bid Credit Certificate balance.

5.4 For subcontractor/fabricator Bid Credit to be considered for utilization on a bid by a prime contractor:

5.4.1 The prime contractor must include Bid Credit owned by the prime Bidder along with the BID CREDIT from the subcontractor/fabricator for application to the bid.

5.4.2 The amount of Bid Credits Submitted by the prime contractor shall be no less than the lowest dollar amount submitted by any subcontractor/fabricator application to the bid.

5.4.2.1 An allowance may be made in cases where the prime contractor's total Bid Credits owned are less than those of the subcontractor/fabricator.

- In no case can the prime offer less than $1,000 in Bid Credits.
- In instances where the prime has Bid Credits, but the total amount of the prime's Bid Credits is less than any subcontractor's Bid Credits offered with a bid, the prime's Bid Credits will be utilized and exhausted before a subcontractor's Bid Credits will be applied to the bid.

5.4.2.2 Failure to meet this standard will result in the Bid Credits Submitted not being considered.

5.4.3 The prime contractor is required to perform the following:

- Ensure that the subcontractor is aware of and has provided permission to the Bidder as indicated on the Bid Credit Certificate to use the Bid Credit Certificate in the bid solicitation;
- Identify the scope of work and dollar amount committed to each subcontractor/fabricator where a Bid Credit Certificate is being calculated in the Bid Credit;

- Ensure that the Bid Credit Certificate is in active mode, which can be done through checking the Active Bid Credit Certificate Register on the Tollway's website (www.illinoistollway.com and click on "Doing Business") prior to submitting a Bid Credit Bid Credit Certificate in a Tollway bid solicitation;

5.4.4 Ensure that the total amount of Bid Credit Certificates does not exceed the contract-specific total Bid Credit Cap. In the event of a successful bid, excess credits shall be returned via Bid Credit Allocation in proportion to what was originally submitted by the prime(s) and subcontractor/fabricator(s).

5.4.5 Insert a copy of this Tollway Special Provision for Bid Credit incentive programs in each and every subcontract or joint venture agreement under this contract and it shall become a material term of the subcontracts.

5.5 Bid Credits Submitted by the prime contractor, joint venture partner(s) and/or subcontractor/fabricator(s) are applied via Bid Credit Allocation, proportionally to the amounts originally submitted on the bid.

6. LONGEVITY OF BID CREDIT CERTIFICATES

6.1 Unused Bid Credits do not expire.

6.2 Bid Credits will become Inactive Bid Credits once utilized in a successful bid.

6.3 Should the same Bid Credit Certificate be submitted in multiple bids on the same date:

- Where multiple solicitations have the same bid opening date, the Tollway will typically open bids in numerical order with the lowest project number per the last four digits of the contract being opened first.
- The first bid opened containing the Bid Credit Certificate will be considered for bid.
- All other bids containing a duplicate Bid Credit Certificate will be placed in a suspended mode until the award recommendation of the prior bid(s) has been issued.
- Until such time of award recommendation, all duplicate Bid Credit Certificates will be Inactivated as applicable and the remaining Bid Credit(s) and Award Criteria will be recalculated for subsequent bids.

As an example: Bid 01 (RR-XX-1234) included Bid Credit Certificate A for $100, Bid 02 (RR-XX-5678) also included Bid Credit Certificate A for $100. Bid 01 utilized $50 of Bid Credit Certificate A. Upon award recommendation of Bid 01, Bid Credit Certificate A has $50 remaining available for consideration in Bid 02.

6.4 As stated in Section 4.8 above, the Bid Credit Certificate (s) will be redeemed up to the amount needed plus $1 to allow the contractor's bid to be the lowest apparent bid for award of the contract and any unused remaining balance will be returned in the form of a revised Bid Credit Certificate (s) to the contractor or subcontractor/fabricator if applicable.

7. FRAUDULENT USE OF BID CREDIT CERTIFICATES

Any contractor who knowingly submits an Inactive Bid Credits shall be permanently barred from participating in any Tollway Bid Credit program.

Any contractor who submits a subcontractor/fabricator's Bid Credit Certificate without the permission of the subcontractor/fabricator and/or without committing to utilizing the subcontractor/fabricator by scope of service and dollar value of commitment in the bid shall be permanently barred from participating in any Tollway Bid Credit program.

The Tollway may report such reporting abuses to the Office of the Inspector General and applicable law enforcement authorities.

ILLINOIS TOLLWAY
STANDARD BUSINESS TERMS AND CONDITIONS

ILLINOIS TOLLWAY CONTRACT NO.: I-17-4339

CONTRACTOR/CONSULTANT NAME: Judlau Contracting, Inc.

1. PAYMENT TERMS AND CONDITIONS:

1.1 Minority Contractor Initiative: Any Vendor awarded a contract under Section 20-10, 20-15, 20-25 or 20-30 of the Illinois Procurement Code (30 ILCS 500) of $1,000 or more is required to pay a fee of $15. The Comptroller shall deduct the fee from the first check issued to the Vendor under the contract and deposit the fee in the Comptroller's Administrative Fund. 15 ILCS 405/23.9.

1.2 Expenses: The State will not pay for supplies provided or services rendered, including related expenses, incurred prior to the execution of this contract by the Parties even if the effective date of the contract is prior to execution.

1.3 Prevailing Wage: As a condition of receiving payment Vendor must (i) be in compliance with the contract, (ii) pay its employees prevailing wages when required by law, (iii) pay its suppliers and subcontractors according to the terms of their respective contracts, and (iv) provide lien waivers to the State upon request. Examples of prevailing wage categories include public works, printing, janitorial, window washing, building and grounds services, site technician services, natural resource services, security guard and food services. The prevailing wages are revised by the Department of Labor and are available on the Department's official website, which shall be deemed proper notification of any rate changes under this subsection. Vendor is responsible for contacting the Illinois Department of Labor to ensure understanding of prevailing wage requirements at 217-782-6206 or (http://www.state.il.us/agency/idol/index.htm).

1.4 Federal Funding: This contract may be partially or totally funded with Federal funds. If federal funds are expected to be used, then the percentage of the good/service paid using Federal funds and the total Federal funds expected to be used will be provided in the award notice.

1.5 Invoicing: By submitting an invoice, vendor certifies that the supplies or services provided meet all requirements of the contract, and the amount billed and expenses incurred are as allowed in the contract. Invoices for supplies purchased, services performed and expenses incurred through December 31 of any year must be submitted to the State no later than February 28 of the following year; otherwise Vendor may have to seek payment through the Illinois Court of Claims. 30 ILCS 105/25. All invoices are subject to statutory offset. 30 ILCS 210.

1.5.1 Vendor shall not bill for any taxes unless accompanied by proof that the State is subject to the tax. If necessary, Vendor may request the applicable Agency/University state tax exemption number and federal tax exemption information.

1.5.2 Vendor shall invoice at the completion of the contract unless invoicing is tied in the contract to milestones, deliverables, or other invoicing requirements agreed to in the contract.

2. ASSIGNMENT: This contract may not be assigned, transferred in whole or in part by vendor without the prior written consent of the State.

3. **AUDIT/RETENTION OF RECORDS:** Vendor and its subcontractors shall maintain books and records relating to the performance of the contract or subcontract and necessary to support amounts charged to the State pursuant the contract or subcontract. Books and records, including information stored in databases or other computer systems, shall be maintained by the vendor for a period of five years from the later of the date of final payment under the contract or completion of the contract, and by the subcontractor for a period of five years from the later of final payment under the term or completion of the subcontract. Books and records required to be maintained under this section shall be available for review or audit by representatives of: the procuring Agency/University, the Auditor General, the Executive Inspector General, the Chief Procurement Officer, the Tollway Inspector General, State of Illinois internal auditors or other governmental entities with monitoring Tollway, upon reasonable notice and during normal business hours. Vendor and its subcontractors shall cooperate fully with any such audit and with any investigation conducted by any of these entities. Failure to maintain books and records required by this section shall establish a presumption in favor of the State for the recovery of any funds paid by the State under the contract for which adequate books and records are not available to support the purported disbursement. The vendor or subcontractors shall not impose a charge for audit or examination of the vendor's books and records. 30 ILCS 500/20-65.

4. **TIME IS OF THE ESSENCE:** Time is of the essence with respect to vendor's performance of this contract. Vendor shall continue to perform its obligations while any dispute concerning the contract is being resolved unless otherwise directed by the State.

5. **NO WAIVER OF RIGHTS:** Except as specifically waived in writing, failure by a Party to exercise or enforce a right does not waive that Party's right to exercise or enforce that or other rights in the future.

6. **FORCE MAJEURE:** Failure by either Party to perform its duties and obligations will be excused by unforeseeable circumstances beyond its reasonable control and not due to its negligence, including acts of nature, acts of terrorism, riots, labor disputes, fire, flood, explosion, and governmental prohibition. The non-declaring Party may cancel the contract without penalty if performance does not resume within 30 days of the declaration.

7. **CONFIDENTIAL INFORMATION:** Each Party, including its agents and subcontractors, to this contract may have or gain access to confidential data or information owned or maintained by the other Party in the course of carrying out its responsibilities under this contract. Vendor shall presume all information received from the State or to which it gains access pursuant to this contract is confidential. Vendor information, unless clearly marked as confidential and exempt from disclosure under the Illinois Freedom of Information Act, shall be considered public. No confidential data collected, maintained, or used in the course of performance of the contract shall be disseminated except as authorized by law and with the written consent of the disclosing Party, either during the period of the contract or thereafter. The receiving Party must return any and all data collected, maintained, created or used in the course of the performance of the contract, in whatever form it is maintained, promptly at the end of the contract, or earlier at the request of the disclosing Party, or notify the disclosing Party in writing of its destruction. The foregoing obligations shall not apply to confidential data or information lawfully in the receiving Party's possession prior to its acquisition from the disclosing Party; received in good faith from a third Party not subject to any confidentiality obligation to the disclosing Party; now is or later becomes publicly known through no breach of confidentiality obligation by the receiving Party; or is independently developed by the receiving Party without the use or benefit of the disclosing Party's confidential information.

8. **USE AND OWNERSHIP:** All work performed, or supplies created by Vendor under this contract, whether written documents or data, goods or deliverables of any kind, shall be deemed work for hire under copyright law and all intellectual property and other laws, and the State of Illinois is granted sole and exclusive ownership to all such work, unless otherwise agreed in writing. Vendor hereby assigns to the State all right, title, and interest in and to such work including any related intellectual property rights, and/or waives any and all claims that Vendor may have to such work including any so-called "moral rights" in connection with the work. Vendor acknowledges the

State may use the work product for any purpose. Confidential data or information contained in such work shall be subject to confidentiality provisions of this contract.

9. **INDEMNIFICATION AND LIABILITY:** The vendor shall indemnify and hold harmless the Tollway and State of Illinois, their directors, agencies, officers, employees, agents and volunteers from any and all costs, demands, expenses, losses, claims, damages, liabilities, settlements and judgments, including in-house and contracted attorneys' fees and expenses, arising out of: (a) any breach or violation by vendor of any of its certifications, representations, warranties, covenants or agreements; (b) any actual or alleged death or injury to any person, damage to any property or any other damage or loss claimed to result in whole or in part from vendor's negligent performance; or (c) any negligent act, activity or omission of vendor or any of its employees, representatives, subcontractors or agents. Neither Party shall be liable for incidental, special, consequential or punitive damages.

10. **INDEPENDENT CONTRACTOR:** Vendor shall act as an independent contractor and not an agent or employee of, or joint venture with the State. All payments by the State shall be made on that basis.

11. **SOLICITATION AND EMPLOYMENT:** Vendor shall not employ any person employed by the State during the term of this contract to perform any work under this contract. Vendor shall give notice immediately to the Agency's director if vendor solicits or intends to solicit State employees to perform any work under this contract.

12. **COMPLIANCE WITH THE LAW:** The Vendor, its employees, agents, and subcontractors shall comply with all applicable federal, state, and local laws, rules, ordinances, regulations, orders, federal circulars and all license and permit requirements in the performance of this contract. Vendor shall be in compliance with applicable tax requirements and shall be current in payment of such taxes. Vendor shall obtain at its own expense, all licenses and permissions necessary for the performance of this contract.

13. **BACKGROUND CHECK:** Whenever the State deems it reasonably necessary for security reasons, the State may conduct, at its expense, criminal and driver history background checks of vendor's and subcontractors officers, employees or agents. Vendor or subcontractor shall reassign immediately any such individual who, in the opinion of the State, does not pass the background check.

14. **APPLICABLE LAW:** This contract shall be construed in accordance with and is subject to the laws and rules of the State of Illinois. The Department of Human Rights' Equal Opportunity requirements (44 Ill. Adm. Code 750) are incorporated by reference. Any claim against the State arising out of this contract must be filed exclusively with the Illinois Court of Claims. 705 ILCS 505/1. The State shall not enter into binding arbitration to resolve any contract dispute. The State of Illinois does not waive sovereign immunity by entering into this contract. The official text of cited statutes is incorporated by reference. An unofficial version can be viewed at http://www.ilga.gov).

15. **ANTI-TRUST ASSIGNMENT:** If Vendor does not pursue any claim or cause of action it has arising under federal or state antitrust laws relating to the subject matter of the contract, then upon request of the Illinois Attorney General, Vendor shall assign to the State rights, title and interest in and to the claim or cause of action.

16. **CONTRACTUAL TOLLWAY:** The Agency that signs for the State of Illinois shall be the only State entity responsible for performance and payment under the contract. When the Chief Procurement Officer or authorized designee signs in addition to an Agency, they do so as approving officer and shall have no liability to Vendor. When the Chief Procurement Officer or authorized designee, or State Purchasing Officer signs a master contract on behalf of State agencies, only the Agency that places an order with the Vendor shall have any liability to Vendor for that order.

17. **NOTICES:** Notices and other communications provided for herein shall be given in writing by registered or certified mail, return receipt requested, by receipted hand delivery, by courier (UPS, Federal Express or other similar and

reliable carrier), by e-mail, or by fax showing the date and time of successful receipt. Notices shall be sent to the individuals who signed the contract using the contact information following the signatures. Each such notice shall be deemed to have been provided at the time it is actually received. By giving notice, either Party may change the contact information.

18. **MODIFICATIONS AND SURVIVAL:** Amendments, modifications and waivers must be in writing and signed by authorized representatives of the Parties. Any provision of this contract officially declared void, unenforceable, or against public policy, shall be ignored and the remaining provisions shall be interpreted, as far as possible, to give effect to the Parties' intent. All provisions that by their nature would be expected to survive, shall survive termination. In the event of a conflict between the State's and the Vendor's terms, conditions and attachments, the State's terms, conditions and attachments shall prevail.

19. **PERFORMANCE RECORD / SUSPENSION:** Upon request of the State, vendor shall meet to discuss performance or provide contract performance updates to help ensure proper performance of the contract. The State may consider vendor's performance under this contract and compliance with law and rule to determine whether to continue the contract, suspend vendor from doing future business with the State for a specified period of time, or to determine whether vendor can be considered responsible on specific future contract opportunities.

20. **FREEDOM OF INFORMATION ACT:** This contract and all related public records maintained by, provided to or required to be provided to the State are subject to the Illinois Freedom of Information Act (FOIA) (50 ILCS 140) notwithstanding any provision to the contrary that may be found in this contract.

21. **SCHEDULE OF WORK:** Any work performed on State premises shall be done during the hours designated by the State and performed in a manner that does not interfere with the State and its personnel.

22. **WARRANTIES FOR SUPPLIES AND SERVICES:**

22.1 Vendor warrants that the supplies furnished under this contract will: (a) conform to the standards, specifications, drawing, samples or descriptions furnished by the State or furnished by the Vendor and agreed to by the State, including but not limited to all specifications attached as exhibits hereto; (b) be merchantable, of good quality and workmanship, and free from defects for a period of twelve months or longer if so specified in writing, and fit and sufficient for the intended use; (c) comply with all federal and state laws, regulations and ordinances pertaining to the manufacturing, packing, labeling, sale and delivery of the supplies; (d) be of good title and be free and clear of all liens and encumbrances and; (e) not infringe any patent, copyright or other intellectual property rights of any third party. Vendor agrees to reimburse the State for any losses, costs, damages or expenses, including without limitations, reasonable attorney's fees and expenses, arising from failure of the supplies to meet such warranties.

22.2 Vendor shall insure that all manufacturers' warranties are transferred to the State and shall provide a copy of the warranty. These warranties shall be in addition to all other warranties, express, implied or statutory, and shall survive the State's payment, acceptance, inspection or failure to inspect the supplies.

22.3 Vendor warrants that all services will be performed to meet the requirements of the contract in an efficient and effective manner by trained and competent personnel. Vendor shall monitor performances of each individual and shall reassign immediately any individual who is not performing in accordance with the contract, who is disruptive or not respectful of others in the workplace, or who in any way violates the contract or State policies.

23. **REPORTING, STATUS AND MONITORING SPECIFICATIONS:**

23.1 Vendor shall immediately notify the State of any event that may have a material impact on vendor's ability

to perform the contract.

23.2 By August 31 of each year, Vendor shall report to the Agency or University the number of qualified veterans and certain ex-offenders hired during Vendor's last completed fiscal year. Vendor may be entitled to employment tax credit for hiring individuals in those groups. 35 ILCS 5/216, 5/217.

24. EMPLOYMENT TAX CREDIT: Vendors who hire qualified veterans and certain ex-offenders may be eligible for tax credits. 30 ILCS 500/45-67 and 45-70. Please contact the Illinois Department of Revenue (telephone #: 217-524-4772) for information about tax credits.

25. SUPPLEMENTAL PROVISIONS

25.1 TOLLWAY SUPPLEMENTAL PROVISIONS

25.1.1 Agents and Employees:
Vendor shall be responsible for the negligent acts and omissions of its agents, employees and **subcontractors in their performance of vendor's duties under this contract. Vendor represents that it shall** utilize the services of individuals skilled in the profession for which they will be used in performing services or supplying goods hereunder. In the event that the Tollway determines that any individual performing services or supplying goods for Vendor hereunder is not providing such skilled services or delivery of goods, it shall promptly notify the Vendor and the Vendor shall replace that individual.

25.1.2 Publicity:
Vendor shall not, in any advertisement or any other type of solicitation for business, state, indicate or otherwise imply that it is under contract to the Tollway nor shall the Tollway's name be used in any such advertisement or solicitation without prior written approval except as required by law.

25.1.3 Third Party Beneficiaries:
There are no third party beneficiaries to this contract. This contract is intended only to benefit the Tollway/Buyer and the Vendor.

25.1.4 Successors In Interest:
All the terms, provisions, and conditions of the contract shall be binding upon and inure to the benefit of the parties hereto and their respective successors, assigns and legal representatives.

25.1.5 Venue:
Any claim against the Tollway arising out of this contract must be filed exclusively with Circuit Court for the Eighteenth Judicial Circuit, DuPage County, Illinois for State claims and the U.S. District Court for the Northern District of Illinois for Federal claims.

25.1.5.1 Whenever "State" is used or referenced in this contract, it shall be interpreted to mean "Tollway".

25.1.5.2 The State Prompt Payment Act (30 ILCS 40) does not apply to the Tollway.

25.1.5.3 The Tollway is not currently an appropriated agency.

25.2 REPORT OF A CHANGE IN CIRCUMSTANCES: The vendor agrees to report to the Tollway as soon as practically possible, but no later than twenty-one (21) days following any change in facts or circumstances that might impact the contractor's ability to satisfy its legal or contractual responsibilities and obligations

under this contract. Required reports include, but are not limited to changes in the contractor's Certification/Disclosure Forms, the contractor's IDOT pre-qualification, or any certification or licensing required for this project. Additionally, (contractor/vendor) agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the CONTRACTOR, or any of its principals, that might occur while this contract is in effect. This reporting requirement does not apply to common offenses, including but not limited to minor traffic/vehicle offenses.

Further, the contractor agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontracts relating to work performed under this agreement. The (contractor/vendor) agrees to forward or relay to the Tollway any reports received from subcontractors pursuant to this paragraph within twenty-one (21) days.

Finally, the contractor acknowledges and agrees that the failure of the contractor to comply with this reporting requirement shall constitute a material breach of contract which may result in this contract being declared void.

25.3 PAYMENT DATA REPORTING REQUIREMENT

The Tollway requires contractors to report all payments received and/or paid to other firms pursuant to this contract in the form prescribed by the Tollway.

Additional information can be found at: https://www.illinoistollway.com/doing-business#B2GNow
(If hyperlink does not load, copy and paste the address into your web browser's address bar)

25.4 VENDOR SUPPLEMENTAL PROVISIONS

☐ Vendor Supplemental Provisions:

STATE OF ILLINOIS

SOLICITATION AND CONTRACT TERMS AND CONDITIONS EXCEPTIONS

Judlau Contracting, Inc. agrees with the terms and conditions set forth in the State of Illinois Invitation for Bid, including the standard terms and conditions, the Agency/University supplemental provisions, certifications, and disclosures, with the following exceptions:

	Excluding certifications required by statute to be made by the Vendor, both Parties agree that all of the duties and obligations that the Vendor owes to the Agency/University for the work performed shall be pursuant to the solicitation and resulting contract, and Vendor's exceptions accepted by the State thereto as set forth below.
	STANDARD TERMS AND CONDITIONS
Section/ Subsection #	State the exception such as "add," "replace," and/or "delete."
	ADDITIONAL TERMS AND CONDITIONS
New Provision(s), # et. seq.	**Section/Subsection New Number, Title of New Subsection**: State the new additional term or condition.

_____ hereby agrees to the exceptions provided by _____ and to the Additional Terms and Conditions provided by _____.

Agreed:	Judlau Contracting, Inc.	Agreed:
By:	Arnav Amin	By:
Signed:	[redacted]	Signed:
Position:	Executive Vice President	Position:
Date:	June 2, 2020	Date:

Sub-Contractor/Consultant Information/Delinquent Debt Review
Contractor/Consultant
Sub-Contractor/Consultant
FEIN

Date: June 2, 2020 **Project Number:** I-17-4339

Project Name: Elgin O'Hare West Access Tollway (I-490) Roadway and Bridge Widening and Reconstruction
Tri-State Tollway South of Grand Avenue to Wolf Road, Mile Post 35.04 to Mile Post 36.70
Western Access Tollway (I-490) Ramp S1 and Ramp S2, Mile Post 00.00 to Mile Post 00.25

CONTRACTOR/ CONSULTANT DELINQUENT DEBT REVIEW

Sub-Contractor/Consultant Disclosure.
Will you be using any sub-consultants/contractors? ☒ Yes ☐ No

If yes, you must identify below, to the extent the information is known, regardless of the subcontract value, the names, addresses and type of work all sub-contractors/consultants that will be utilized in the performance of this contract, together with the anticipated dollar value (sub-contractors) or percentage (sub-consultants) each is expected to receive pursuant to this contract. The list of sub-contractors/consultants should include but not be limited to sub-contractors/consultants, suppliers and truckers proposed to achieve disadvantaged business enterprise and veteran owned business goals. The State may request updated information at any time. For purposes of this section sub-contractors/consultants are those specifically hired to perform part of the work of this contract. Non-DBE suppliers and truckers do not need to be included.

Upon request, our firm agrees to provide a copy of the subcontract, if required, within fifteen (15) days after execution of the contract if selected, or after execution of the subcontract, whichever is later, for those subcontracts with an annual value of more than $50,000. All subcontracts over $50,000 must include the same certifications that the Vendor must make as a condition of the contract. The vendor shall include in each subcontract the subcontractor certifications as shown on the Standard Subcontractor Certification form available from the State.

Delinquent Payment. The contractor/consultant certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11 prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with the State agency if it, or any affiliate, has failed to collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The contractor/consultant further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the contractor/consultant or any affiliate is determined to be delinquent in the payment of any debt to the State during the term of the contract.

Contractor/Consultant: Judlau Contracting, Inc.

Federal Employment Identification Number (FEIN): [redacted]

E-Mail: arnav.amin@ohlna.com

Include an attachment if more space is needed to provide the below information. The attachment must provide the requested information.

NOTE for Construction Contracts: List all known subcontractors including those identified in the Bid Package on DBE Form 2026 and VOSB Form 2026, and include any name listed in the "Under Contract To" section of these forms.

Sub-Contractor(s)/Consultant(s)	Sub-Contractor /Consultant FEIN	Address	General Type of Work	Anticipated Amount of Contract to be Pai extent known) Sub-Contractor (d value) or Sub-Consultan (percentage)
SEE ATTACHED				

Signature: [redacted] **Date:** June 2, 2020

Printed Name: Arnav Amin

Sub-Contractor(s)	Sub-Contractor FEIN	ADDRESS	General Type of Work	Anticipated Amount to be Paid (to extent known)
GREAT LAKES METALS CORPORATION	[redacted]	8920 S. OCTAVIA AVENUE, BRIDGEVIEW, IL 60455	STEEL SUPPLIER	$ 2,000,000.00
DIVINE CEMENT		527 VERA CT, JOLIET IL 60436	CONCRETE PAVING	$ 7,000,000.00
BRYAN ENVIRO. CONSULT.		17926 DIXIE HWY, SUITE B, HOMEWOOD, IL 60430	CONSULTING	$ 240,000.00
ATLANTIC PAINTING		10019 SOUTHWEST HWY., OAK LAWN, IL 60453	PAINTING	$ 1,500,000.00
ARAIZA		4841 WEST 173RD STREET, COUNTRY CLUB HILLS IL 60478	CONCRETE	$ 500,000.00
LAREDO SYSTEMS		11933 COUNTY LINE ROAD, GARDEN PRAIRIE, IL 61038	LANDSCAPING	$ 1,500,000.00
VIRIDIAN ENTERPRISES		3810 WEST ADDISON STREET, CHICAGO, IL 60618	SEWER	$ 6,000,000.00
C3 CORPORATION		2603 E. CASS STREET, JOLIET, IL 60432	SURVEYING	$ 450,000.00
MARKING SPECIALISTS CORPORATION		214 CRYSTAL STREET, STE C., CARY, IL 60013	PAVEMENT MARKING	$ 100,000.00
M.A. REBAR SERVICES, INC.		6508 WEST 126TH PLACE, PALOS HEIGHTS, IL 60463	REBAR	$ 10,000,000.00
MIDCO		7237 W. 90TH PLACE, BRIDGEVIEW, IL 60455	ELECTRICAL SUPPLY	$ 250,000.00
LYONS VIEW MAUNFACTURING		5261 WEST HARRISONSTREET, CHICAGO, IL 60644	ELECTRICAL SUPPLY	$ 240,000.00
TRUCK KING HAULING CONTRACTORS		4600 W. 48TH STREET, CHICAGO, IL 60632	TRUCKING	$ 1,350,000.00
E. KING CONSTRUCTION		3865 W. COLUMBUS AVE	TRUCKING	$ 1,200,000.00
S&J CONSTRUCTION, INC.		4245 166TH STREET, OAK FOREST, IL 60452	SIGNAGE/ERECTION	$ 8,500,000.00
INDUSTRIAL FENCE, INC.		1300 S. KILBOURN AVENUE, CHICAGO, IL 60623	FENCING	$ 780,000.00
NACE TRUCKING		1518 CORNELIA AVE., WAUKEGAN, IL 60085	TRUCKING	$ 1,900,000.00
MEADE ELECTRIC		625 WILLOWBROOK CENTER PARKWAY, WILLOWBROOK, IL 60527	ELECTRICAL	$ 4,700,000.00
Torres Electrical Contractor's, LLC		25261 Sunderlin Road, Plainfield, IL 60585	ELECTRICAL	$ 1,145,340.39

Office of the Secretary of State Jesse White
CYBERDRIVEILLINOIS.COM

Corporation/LLC Search/Certificate of Good Standing

Corporation File Detail Report

File Number	69030335
Entity Name	JUDLAU CONTRACTING, INC.
Status ACTIVE	

Entity Information

Entity Type
CORPORATION

Type of Corp
FOREIGN BCA

Qualification Date (Foreign)
Wednesday, 17 July 2013

State
NEW YORK

Duration Date
PERPETUAL

Agent Information

Name
COGENCY GLOBAL INC.

Address

600 SOUTH SECOND ST, SUITE 404
SPRINGFIELD , IL 62704

Change Date
Wednesday, 12 July 2017

Annual Report

Filing Date
00/00/0000

For Year
2020

Officers

President
Name & Address
ASHOK PATEL 26-15 ULMER ST COLLEGE POINT NY 11354

Secretary
Name & Address
CESAR F PEREIRA 26-15 ULMER ST COLLEGE POINT NY 11354

Assumed Name

ACTIVE
OHL NORTH AMERICA

Return to Search

File Annual Report

Adopting Assumed Name

Change of Registered Agent and/or Registered Office

(One Certificate per Transaction)

This information was printed from www.cyberdriveillinois.com, the official website of the Illinois Secretary of State's Office. Thu Jul 09 2020

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:48 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Araiza Corporation

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:51 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Atlantic Painting Co.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:53 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Bryan Environmental Consultants, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:41 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

C3 Corporation

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:57 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:57 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Divine Cement Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:26 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

E King Construction Co., Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:57 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:59 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Great Lakes Metals Corporation

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:08 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted]. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Industrial Fence, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:05 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Judlau Contracting, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:43 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER[redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Laredo Systems

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:13 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Lyons View Manufacturer and Supply

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:37 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER[redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

MA Rebar Services, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:38 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Marking Specialists Corporation

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 16:17 **08/31/20**

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 08/31/20 AT 16:17 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Meade Electric Company, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:23 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

MIDCO Electric Supply, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:32 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Nace Trucking, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:10 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

S & J Construction Co., Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:18 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Torres Electrical Contractor's, LLC

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:28 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Truck King Hauling Contractors, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 11:05 07/09/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 07/09/20 AT 11:45 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER[redacted] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Viridian Enterprises, Inc.

Substance Abuse Prevention Program Certification Public Act 95-0635

Contract # I-17-4339 Today's Date June 2, 2020

The undersigned contractor(s) and subcontractor(s) certify that they have read the provisions of the Substance Abuse Prevention on Public Works Act, Public Act 95-0635, and are in compliance with the terms of the Act.

____The contractor/subcontractors hereby certify that they are exempt from the provisions of Public Act 95-0635 because it is a party to a collective bargaining agreement that deals with Substance Abuse and Prevention as provided for in the Act.

X The contractor/subcontractors hereby certify they have a program in place to address Substance Abuse and Prevention as provided for in the Act and will submit the same to the Tollway prior to issuance of an Authorization to Proceed.

Judlau Contracting, Inc. — Contractor

Arnav Amin, Executive Vice President — Name/Title of Authorized Representative

[redacted] — Signature of Authorized Representative

Subcontractor — Name/Title of Authorized Representative

Signature of Authorized Representative

Subcontractor — Name/Title of Authorized Representative

Signature of Authorized Representative

Subcontractor — Name/Title of Authorized Representative

Signature of Authorized Representative

Subcontractor — Name/Title of Authorized Representative

Signature of Authorized Representative

STATE OF ILLINOIS
TAXPAYER IDENTIFICATION NUMBER

I certify that:

The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and

I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and

I am a U.S. person (including a U.S. resident alien).

- If you are an individual, enter your name and SSN as it appears on your Social Security Card.
- If you are a sole proprietor, enter the owner's name on the name line followed by the name of the business and the owner's SSN or EIN.
- If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's name on the name line and the D/B/A on the business name line and enter the owner's SSN or EIN.
- If the LLC is a corporation or partnership, enter the entity's business name and EIN and for corporations, attach IRS acceptance letter (CP261 or CP277).
- For all other entities, enter the name of the entity as used to apply for the entity's EIN and the EIN.

Name: Click here to enter text.

Business Name: Judlau Contracting, Inc

Taxpayer Identification Number:

Social Security Number: Click here to enter text.

or

Employer Identification Number: [redacted]

Legal Status (check one):

☐ Individual	☐ Governmental
☐ Sole Proprietor	☐ Nonresident alien
☐ Partnership	☐ Estate or trust
☐ Legal Services Corporation	☐ Pharmacy (Non-Corp.)
☐ Tax-exempt	☐ Pharmacy/Funeral Home/Cemetery (Corp.)
☐ Corporation providing or billing medical and/or health care services	☐ Limited Liability Company (select applicable tax classification)
☒ Corporation NOT providing or billing medical and/or health care services	☐ C = corporation ☐ P = partnership

Signature of Authorized Representative: [redacted]

Date: 5/13/2020

Certificate of Registration

STATE BOARD OF ELECTIONS

Registration No. 26817

Judlau Contracting, Inc.

26-15 Ulmer Street

College Point NY 11354

Information for this business last updated on:

Thursday, May 21, 2020

Certificate produced on Thursday, May 21, 2020 at 4:29 PM

Registered
SEAL OF THE STATE BOARD OF ELECTIONS
ILLINOIS
Business

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

TO: Eleanor Curcuro
State Purchasing Officer

DATE: July 22, 2020

FROM: Erick Occomy EO
Chief of Contract
Services

SUBJECT: Contract No. I-17-4339
Judlau Contracting, Inc.
Affirmative Response on Forms A Disclosures - Step 7, Question 4

In the Forms A disclosures submitted for Judlau Contracting, Inc., the following question was answered Yes: Within the previous ten years, have you had any adverse civil judgments and administrative findings? An explanation was included in Judlau's disclosures.

By copy of this memo, Procurement confirms our review of the information disclosed and that the Tollway has no issue with this information and recommends proceeding with the contract.

OC:gg

STATE OF ILLINOIS
FORMS A

A vendor responding to a solicitation by the State of Illinois must return the information requested within this section with their bid or offer if they are not registered in the Illinois Procurement Gateway (IPG) and do not have an approved, unexpired IPG Registration Number. Failure to do so may render their bid or offer non-responsive and result in disqualification.

Please read this entire Forms A and provide the requested information as applicable and per the instructions. All forms and signature areas contained in this Forms A must be completed in full and submitted along with the bid in an Invitation for Bid; and completed in full and submitted along with the technical response and price proposal, which combined will constitute the Offer, in a Request for Proposal.

Vendor Name: Judlau Contracting, Inc.	Phone: 718-554-2320
Street Address: 26-15 Ulmer Street	Email: cesar.pereira@ohlna.com
City, State Zip: College Point, NY 11354	Vendor Contact: Cesar Pereira

In compliance with the State and Federal Constitutions, the Illinois Human Rights Act, the U.S. Civil Rights Act, and Section 504 of the Federal Rehabilitation Act, the State of Illinois does not discriminate in employment, contracts, or any other activity.

The State of Illinois encourages prospective vendors to consider hiring qualified veterans and Illinois residents discharged from any Illinois adult correctional center, in appropriate circumstances.

OUTLINE

FORMS A

Complete this section if you are <u>not</u> using an IPG (Illinois Procurement Gateway) Registration #

	Part
Business and Directory Information	1.
Illinois Department of Human Rights Public Contracts Number	2.
Authorized to Transact Business or Conduct Affairs in Illinois	3.
Standard Certifications	4.
State Board of Elections	5.
Disclosure of Business Operations in Iran	6.
Financial Disclosures and Conflicts of Interest	7.
Taxpayer Identification Number	8.

STATE OF ILLINOIS
BUSINESS AND DIRECTORY INFORMATION

1.1. Name of Business (official name and DBA)

Judlau Contracting, Inc.

1.2. Business Headquarters (address, phone and fax)

26-15 Ulmer Street College Point, NY 11354

718-554-2320

718-661-3761

1.3. If a Division or Subsidiary of another organization provide the name and address of the parent

OHL USA, Inc.

1.4. Billing Address

26-15 Ulmer Street College Point, NY 11354

Click here to enter text.

1.5. Name of Chief Executive Officer

Ashok R. Patel

1.6. Company Web Site Address

www.judlau.com

1.7. Type of Organization (sole proprietor, corporation, etc.--should be same as on Taxpayer ID form below)

Corporation

1.8. Length of time in business

39 years

1.9. Annual Sales for Offeror's most recently completed fiscal year

$ 541,155,109

1.10. Show number of full-time employees, on average, during the most recent fiscal year

233 – Judlau Contracting, Inc. (excluding Union/Field type employees)

1.11. Is your company at least 51% owned and controlled by individuals in one of the following categories? If "Yes," please check the category that applies:

1.11.1. Minority (30 ILCS 575/2(A)(1) & (3)) ☐ Yes

1.11.2. Women (30 ILCS 575/2(A)(2) & (4)) ☐ Yes

1.11.3. Person with Disability (30 ILCS 575/2(A)(2.05) & (2.1)) ☐ Yes

1.11.4. Disadvantaged (49 CFR 26) ☐ Yes

1.11.5. Veteran (30 ILCS 500/45-57) ☐ Yes

STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF HUMAN RIGHTS PUBLIC CONTRACT NUMBER

2.1. If Offeror employed fifteen or more full-time employees at the time of submission of their response to this solicitation or any time during the previous 365-day period leading up to submission, it must have a current IDHR Public Contract Number or have proof of having submitted a completed application for one **prior** to contract award or prior to bid opening for construction or construction-related services. 775 ILCS 5/2-101. If the Agency cannot confirm compliance, it will not be able to consider a Vendor's bid or offer. Please complete the appropriate sections below:

Name of Company (and DBA): Judlau Contracting, Inc.

☐ (check if applicable) The number is not required as the company has not met or exceeded the number of employees that makes registration necessary under the requirements of the Human Rights Act described above.

IDHR Public Contracts Number: 136582-00 Expiration Date: 12/05/2023.

2.2. If number has not yet been issued, provide the date a completed application for the number was submitted to IDHR: Click here to enter text..

2.3. Upon expiration and until their Contractor Identification Number is renewed, companies will not be eligible to be awarded contracts by the State of Illinois or other jurisdictions that require a current IDHR number as a condition of contract eligibility. 44 ILL. ADM. CODE 750.210(a).

2.4. Numbers issued by the Department of Human Rights (or its predecessor agency, the Illinois Fair Employment Practices Commission) prior to July 1, 1998 are no longer valid. This affects numbers below 89999-00-0. Valid numbers begin with 900000-00-0.

2.5. If Offeror's organization holds an expired number, it must re-register with the Department of Human Rights.

2.6. Offeror may obtain an application form by:

2.6.1. Telephone: Call the IDHR Public Contracts Unit at (312) 814-2431 between Monday and Friday, 8:30 AM - 5:00 PM, CST. (TDD (312) 263-1579).

2.6.2. Internet: You may download the form from the Department of Human Rights' website at *https://www.illinois.gov/dhr/PublicContracts/Pages/default.aspx* .

2.6.3. Mail: Write to the Department of Human Rights, Public Contracts Unit, 100 West Randolph Street, Suite 10-100, Chicago, IL 60601.

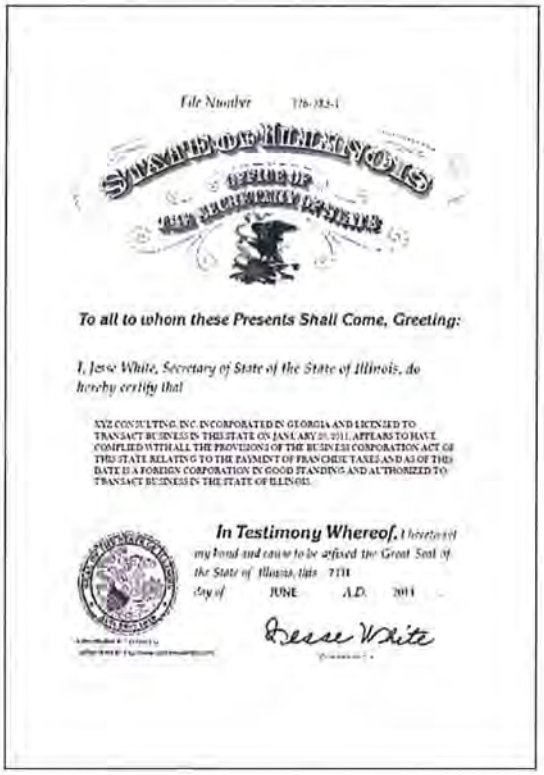
STATE OF ILLINOIS
AUTHORIZED TO TRANSACT BUSINESS OR CONDUCT AFFAIRS IN ILLINOIS

3. A person, other than an individual acting as a sole proprietor, must be a duly constituted legal entity prior to submitting a bid, offer, or proposal. The legal entity must be authorized to transact business or conduct affairs in Illinois prior to execution of the contract. 30 ILCS 500/20-43.

   These requirements do not apply to construction contracts that are subject to the requirements of 30 ILCS 500/30-20 and 30 ILCS 500/33-10. The prequalification requirements of Sections 30-20 and 33-10 shall include the requirement that the bidder be registered with the Illinois Secretary of State.

   Prior to execution of the contract, the State may request evidence from a vendor that certifies it is authorized to transact business or conduct affairs in Illinois. Failure to produce evidence in a timely manner may be considered grounds for determining the Vendor non-responsive or not responsible. For information on registering to transact business or conduct affairs in Illinois, please visit the Illinois Secretary of State's Department of Business Services at their website at (*http://cyberdriveillinois.com/departments/business_services/home.html*) or your home county clerk.

EVIDENCE OF BEING AUTHORIZED TO TRANSACT BUSINESS OR CONDUCT AFFAIRS IN ILLINOIS IS THE SECRETARY OF STATE'S CERTIFICATE OF GOOD STANDING



File Number 176-383-1

SECRETARY OF STATE

To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that

XYZ CONSULTING INC. INCORPORATED IN GEORGIA AND LICENSED TO TRANSACT BUSINESS IN THIS STATE ON JANUARY 20, 2011, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES AND AS OF THIS DATE IS A FOREIGN CORPORATION IN GOOD STANDING AND AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS.

In Testimony Whereof, *I hereunto set my hand and cause to be affixed the Great Seal of the State of Illinois, this 7TH day of* JUNE *A.D.* 2011

Jesse White

File Number 6903-033-5

STATE OF ILLINOIS

OFFICE OF THE SECRETARY OF STATE

To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that I am the keeper of the records of the Department of Business Services. I certify that

JUDLAU CONTRACTING, INC., INCORPORATED IN NEW YORK AND LICENSED TO TRANSACT BUSINESS IN THIS STATE ON JULY 17, 2013, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE, AND AS OF THIS DATE, IS A FOREIGN CORPORATION IN GOOD STANDING AND AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS.

In Testimony Whereof, *I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, this* 25TH *day of* MARCH *A.D.* 2020 .

Authentication #: 2008501476 verifiable until 03/25/2021

Authenticate at: http://www.cyberdriveillinois.com

Jesse White

SECRETARY OF STATE

Vendor acknowledges and agrees that compliance with this subsection in its entirety for the term of the contract and any renewals is a material requirement and condition of this contract. By executing this contract Vendor certifies compliance with this subsection in its entirety, and is under a continuing obligation to remain in compliance and report any non-compliance.

This subsection, in its entirety, applies to subcontractors used on this contract. Vendor shall include these Standard Certifications in any subcontract used in the performance of the contract using the Standard Certification form provided by the State.

If this contract extends over multiple fiscal years, including the initial term and all renewals, Vendor and its subcontractors shall confirm compliance with this section in the manner and format determined by the State by the date specified by the State and in no event later than July 1 of each year that this contract remains in effect.

If the Parties determine that any certification in this section is not applicable to this contract it may be stricken without affecting the remaining subsections.

4.1. As part of each certification, Vendor acknowledges and agrees that should Vendor or its subcontractors provide false information, or fail to be or remain in compliance with the Standard Certification requirements, one or more of the following sanctions will apply:

- the contract may be void by operation of law,
- the State may void the contract, and
- the Vendor and it subcontractors may be subject to one or more of the following: suspension, debarment, denial of payment, civil fine, or criminal penalty.

Identifying a sanction or failing to identify a sanction in relation to any of the specific certifications does not waive imposition of other sanctions or preclude application of sanctions not specifically identified.

4.2. Vendor certifies it and its employees will comply with applicable provisions of the United States Civil Rights Act, Section 504 of the Federal Rehabilitation Act, the Americans with Disabilities Act, and applicable rules in performance of this contract.

4.3. Vendor, if an individual, sole proprietor, partner or an individual as member of a LLC, certifies he/she is not in default on an educational loan. 5 ILCS 385/3.

4.4. Vendor, if an individual, sole proprietor, partner or an individual as member of a LLC, certifies it he/she has not received (i) an early retirement incentive prior to 1993 under Section 14-108.3 or 16-133.3 of the Illinois Pension Code or (ii) an early retirement incentive on or after 2002 under Section 14-108.3 or 16-133.3 of the Illinois Pension Code. 30 ILCS 105/15a; 40 ILCS 5/14-108.3; 40 ILCS 5/16-133.

4.5. Vendor certifies that it is a legal entity authorized to do business in Illinois prior to submission of a bid, offer, or proposal. 30 ILCS 500/1-15.80, 20-43.

4.6. To the extent there was a current Vendor providing the services covered by this contract and the employees of that Vendor who provided those services are covered by a collective bargaining agreement, Vendor certifies (i) that it will offer to assume the collective bargaining obligations of the prior employer, including any existing collective bargaining agreement with the bargaining representative of any existing collective bargaining unit or units performing substantially similar work to the services covered by the contract subject to its bid or offer; and (ii) that it shall offer employment to all employees currently employed in any existing bargaining unit who perform substantially similar work to the work that will be performed pursuant to this contract. This does not apply to heating, air conditioning, plumbing and electrical service contracts. 30 ILCS 500/25-80.

4.7. Vendor certifies it has neither been convicted of bribing or attempting to bribe an officer or employee of the State of Illinois or any other State, nor made an admission of guilt of such conduct that is a matter of record. 30 ILCS 500/50-5.

4.8. If Vendor has been convicted of a felony, Vendor certifies at least five years have passed after the date of completion of the sentence for such felony, unless no person held responsible by a prosecutor's office for the facts upon which the conviction was based continues to have any involvement with the business. 30 ILCS 500/50-10.

4.9. If Vendor or any officer, director, partner, or other managerial agent of Vendor has been convicted of a felony under the Sarbanes-Oxley Act of 2002, or a Class 3 or Class 2 felony under the Illinois Securities Law of 1953, Vendor certifies at least five years have passed since the date of the conviction. Vendor further certifies that it is not barred from being awarded a contract and acknowledges that the State shall declare the contract void if this certification is false. 30 ILCS 500/50-10.5.

4.10. Vendor certifies it is not barred from having a contract with the State based upon violating the prohibitions related to either submitting/writing specifications or providing assistance to an employee of the State of Illinois by reviewing, drafting, directing, or preparing any invitation for bids, a request for proposal, or request of information, or similar assistance (except as part of a public request for such information). 30 ILCS 500/50-10.5(e), *amended* by Pub. Act No. 97-0895 (August 3, 2012).

4.11. Vendor certifies that it and its affiliates are not delinquent in the payment of any debt to the State (or if delinquent has entered into a deferred payment plan to pay the debt), and Vendor and its affiliates acknowledge the State may declare the contract void if this certification is false or if Vendor or an affiliate later becomes delinquent and has not entered into a deferred payment plan to pay off the debt. 30 ILCS 500/50-11, 50-60.

4.12. Vendor certifies that it and all affiliates shall collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with provisions of the Illinois Use Tax Act and acknowledges that failure to comply may result in the contract being declared void. 30 ILCS 500/50-12.

4.13. Vendor certifies that it has not been found by a court or the Pollution Control Board to have committed a willful or knowing violation of the Environmental Protection Act within the last five years, and is therefore not barred from being awarded a contract. 30 ILCS 500/50-14.

4.14. Vendor certifies it has neither paid any money or valuable thing to induce any person to refrain from bidding on a State contract, nor accepted any money or other valuable thing, or acted upon the promise of same, for not bidding on a State contract. 30 ILCS 500/50-25.

4.15. Vendor certifies it is not in violation of the "Revolving Door" provisions of the Illinois Procurement Code. 30 ILCS 500/50-30.

4.16. Vendor certifies that it has not retained a person or entity to attempt to influence the outcome of a procurement decision for compensation contingent in whole or in part upon the decision or procurement. 30 ILCS 500/50-38.

4.17. Vendor certifies that if it has hired a person required to register under the Lobbyist Registration Act to assist in obtaining any State contract, that none of the lobbyist's costs, fees, compensation, reimbursements, or other remuneration were billed to the State. 30 ILCS 500/50-38.

4.18. Vendor certifies it will report to the Illinois Attorney General and the Chief Procurement Officer any suspected collusion or other anti-competitive practice among any bidders, offerors, contractors, proposers, or employees of the State. 30 ILCS 500/50-40, 50-45, 50-50.

4.19. Vendor certifies steel products used or supplied in the performance of a contract for public works shall be manufactured or produced in the United States, unless the executive head of the procuring Agency grants an exception. 30 ILCS 565.

4.20. Drug Free Workplace

4.20.1. If Vendor employs 25 or more employees and this contract is worth more than $5,000, Vendor certifies it will provide a drug free workplace pursuant to the Drug Free Workplace Act.

4.20.2. If Vendor is an individual and this contract is worth more than $5000, Vendor certifies it shall not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance during the performance of the contract. 30 ILCS 580.

4.21. Vendor certifies that neither Vendor nor any substantially owned affiliate is participating or shall participate in an international boycott in violation of the U.S. Export Administration Act of 1979 or the applicable regulations of the United States. Department of Commerce. 30 ILCS 582.

4.22. Vendor certifies it has not been convicted of the offense of bid rigging or bid rotating or any similar offense of any state or of the United States. 720 ILCS 5/33 E-3, E-4.

4.23. Vendor certifies it complies with the Illinois Department of Human Rights Act and rules applicable to public contracts, which include providing equal employment opportunity, refraining from unlawful discrimination, and having written sexual harassment policies. 775 ILCS 5/2-105.

4.24. Vendor certifies it does not pay dues to or reimburse or subsidize payments by its employees for any dues or fees to any "discriminatory club." 775 ILCS 25/2.

4.25. Vendor certifies that no foreign-made equipment, materials, or supplies furnished to the State under the contract have been or will be produced in whole or in part by forced labor or indentured labor under penal sanction. 30 ILCS 583.

4.26. Vendor certifies that no foreign-made equipment, materials, or supplies furnished to the State under the contract have been produced in whole or in part by the labor of any child under the age of 12. 30 ILCS 584.

4.27. Vendor certifies that any violation of the Lead Poisoning Prevention Act, as it applies to owners of residential buildings, has been mitigated. 410 ILCS 45.

4.28. Vendor warrants and certifies that it and, to the best of its knowledge, its subcontractors have and will comply with Executive Order No. 1 (2007). The Order generally prohibits Vendors and subcontractors from hiring the then-serving Governor's family members to lobby procurement activities of the State, or any other unit of government in Illinois including local governments if that procurement may result in a contract valued at over $25,000. This prohibition also applies to hiring for that same purpose any former State employee who had procurement authority at any time during the one-year period preceding the procurement lobbying activity.

4.29. Vendor certifies that information technology, including electronic information, software, systems and equipment, developed or provided under this contract comply with the applicable requirements of the Illinois Information Technology Accessibility Act Standards as published at (www.dhs.state.il.us/iitaa) 30 ILCS 587.

4.30. Vendor certifies that it has read, understands, and is in compliance with the registration requirements of the Elections Code (10 ILCS 5/9-35) and the restrictions on making political contributions and related requirements of the Illinois Procurement Code. 30 ILCS 500/20-160 and 50-37. Vendor will not make a political contribution that will violate these requirements.

In accordance with section 20-160 of the Illinois Procurement Code, Vendor certifies as applicable:

☐ Vendor is not required to register as a business entity with the State Board of Elections.

or

☒ Vendor has registered with the State Board of Elections. As a registered business entity, Vendor acknowledges a continuing duty to update the registration as required by the Act.

4.31. Vendor certifies that if it is awarded a contract through the use of the preference required by the Procurement of Domestic Products Act, then it shall provide products pursuant to the contract or a subcontract that are manufactured in the United States. 30 ILCS 517.

4.32. For contracts other than construction contracts subject to the requirements of 30 ILCS 500/30-20 and 30 ILCS 500/33-10, a person (other than an individual acting as a sole proprietor) must be a duly constituted legal entity to qualify as a bidder or offeror prior to submitting a bid, offer, or proposal. 30 ILCS 500/20-43. Vendor certifies that it is a legal entity as of the date for submitting this bid, offer, or proposal.

4.33. Vendor certifies that, for the duration of this contract it will:

- post its employment vacancies in Illinois and border states on the Department of Employment Security's IllinoisJobLink.com website or its successor system; or
- will provide an online link to these employment vacancies so that this link is accessible through the IllinoisJobLink.com website it successor system; or
- is exempt from 20 ILCS 1005/1005-47 because the contract is for construction-related services as that term is defined in section 1-15.20 of the Procurement Code; or the contract is for construction and vendor is a party to a contract with a bona fide labor organization and performs construction. (20 ILCS 1005/1005-47).

5. Section 50-37 of the Illinois Procurement Code prohibits political contributions of certain vendors, bidders and offerors. Additionally, section 9-35 of the Illinois Election Code governs provisions relating to reporting and making contributions to state officeholders, declared candidates for State offices and covered political organizations that promote the candidacy of an officeholder or declared candidate for office. The State may declare any resultant contract void if these Acts are violated.

Generally, if a vendor, bidder, or offeror is an entity doing business for profit (i.e. sole proprietorship, partnership, corporation, limited liability company or partnership, or otherwise) and has contracts with State agencies that annually total more than $50,000 or whose aggregate pending bids or proposals and current State contracts that total more than $50,000, the vendor, bidder, or offeror is prohibited from making political contributions and must register with the State Board of Elections. 30 ILCS 500/20-160.

EVIDENCE OF REGISTRATION WITH THE STATE BOARD OF ELECTIONS IS THE CERTIFICATE OF REGISTRATION

Certificate of Registration

STATE BOARD OF ELECTIONS

Registration No. 138

ABC Corporation
123 Main Street
Anywhere, IL USA 62707

Information for this business last updated on
Wednesday, October 13, 2010

STATE OF ILLINOIS
DISCLOSURE OF BUSINESS OPERATIONS WITH IRAN

6. In accordance with 30 ILCS 500/50-36, each bid, offer, or proposal submitted for a State contract, other than a small purchase defined in Section 20-20 of the Illinois Procurement Code, will include a disclosure of whether or not the bidder, offeror, or proposing entity, or any of its corporate parents or subsidiaries, within the 24 months before submission of the bid, offer, or proposal had business operations that involved contracts with or provision of supplies or services to the Government of Iran, companies in which the Government of Iran has any direct or indirect equity share, consortiums or projects commissioned by the Government of Iran and:

   - more than 10% of the company's revenues produced in or assets located in Iran involve oil-related activities or mineral-extraction activities; less than 75% of the company's revenues produced in or assets located in Iran involve contracts with or provision of oil-related or mineral – extraction products or services to the Government of Iran or a project or consortium created exclusively by that Government; and the company has failed to take substantial action; or

   - the company has, on or after August 5, 1996, made an investment of $20 million or more, or any combination of investments of at least $10 million each that in the aggregate equals or exceeds $20 million in any 12- month period that directly or significantly contributes to the enhancement of Iran's ability to develop petroleum resources of Iran.

A bid or offer that does not include this disclosure may be given a period after the bid or offer is submitted to cure non-disclosure. A chief procurement officer may consider the disclosure when evaluating the bid or offer or awarding the contract.

☒ There are no business operations that must be disclosed to comply with the above cited law.

☐ The following business operations are disclosed to comply with the above cited law:

Click here to enter text.

STATE OF ILLINOIS
FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

The Financial Disclosures and Conflicts of Interest form ("form") must be accurately completed and submitted by the vendor, parent entity(ies), and subcontractors. There are **nine** steps to this form and each must be completed as instructed in the step heading and within the step. A bid or offer that does not include this form shall be considered non-responsive. The Agency will consider this form when evaluating the bid or offer or awarding the contract.

The requirement of disclosure of financial interests and conflicts of interest is a continuing obligation. If circumstances change and the disclosure is no longer accurate, then disclosing entities must provide an updated form.

Separate forms are required for the vendor, parent entity(ies), and subcontractors.

This disclosure is submitted for:

☒ Vendor

☐ Vendor's Parent Entity(ies) (100% ownership)

☐ Subcontractor(s) >$50,000 (annual value)

☐ Subcontractor's Parent Entity(ies) (100% ownership) > $50,000 (annual value)

Project Name	I-490 South of Grand Ave to Wolf, Ramps S1 and S2
Illinois Procurement Bulletin Number	Click here to enter text.
Contract Number	I-17-4339
Vendor Name	Judlau Contracting, Inc.
Doing Business As (DBA)	
Disclosing Entity	Judlau Contracting, Inc.
Disclosing Entity's Parent Entity	OHL USA, Inc.
Subcontractor	NONE
Instrument of Ownership or Beneficial Interest	Corporate Stock (C-Corporation, S-Corporation, Professional Corporation, Service Corporation) ☒ If you selected Other, please describe: Click here to enter text.

STEP 1
SUPPORTING DOCUMENTATION SUBMITTAL

(All vendors complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

You must select one of the six options below and select the documentation you are submitting. You must provide the documentation that the applicable section requires with this form.

☐ Option 1 – Publicly Traded Entities

1.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

1.B. ☐ Attach a copy of the Federal 10-K or provide a web address of an electronic copy of the Federal 10-K, and skip to Step 3.

☐ Option 2 – Privately Held Entities with more than 100 Shareholders

2.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share Veterans 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

2.B. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership share in excess of 5% and attach the information Federal 10-K reporting companies are required to report under 17 CFR 229.401.

☒ Option 3 – All other Privately Held Entities, not including Sole Proprietorships

3.A. ☒ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

☐ Option 4 – Foreign Entities

4.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

4.B. ☐ Attach a copy of the Securities Exchange Commission Form 20-F or 40-F and skip to Step 3.

☐ Option 5 – Not-for-Profit Entities

☐ Complete Step 2, Option B.

☐ Option 6 – Sole Proprietorships

☐ Skip to Step 3.

STEP 2
DISCLOSURE OF FINANCIAL INTEREST OR BOARD OF DIRECTORS

(All vendors, except sole proprietorships, must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Complete **either** Option A (for all entities other than not-for-profits) or Option B (for not-for-profits). Additional rows may be inserted into the tables or an attachment may be provided if needed.

OPTION A – Ownership Share and Distributive Income

Ownership Share – If you selected Option 1.A., 2.A., 2.B., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of ownership if said percentage exceeds 5%, or the dollar value of their ownership if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – X

Name	Address	Percentage of Ownership	$ Value of Ownership
OHL USA, Inc.	26-15 Ulmer St., College Point, NY 11354	100%	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Distributive Income – If you selected Option 1.A., 2.A., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of the disclosing vendor's total distributive income if said percentage exceeds 5% of the total distributive income of the disclosing entity, or the dollar value of their distributive income if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – Y

Name	Address	% of Distributive Income	$ Value of Distributive Income
OHL USA, Inc.	26-15 Ulmer St., College Point, NY 11354	100%	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please certify that the following statements are true.

I have disclosed all individuals or entities that hold an ownership interest of greater than 5% or greater than $106,447.20.

☒ Yes ☐ No

I have disclosed all individuals or entities that were entitled to receive distributive income in an amount greater than $106,447.20 or greater than 5% of the total distributive income of the disclosing entity.

☒ Yes ☐ No

OPTION B – Disclosure of Board of Directors (Not-for-Profits)

If you selected Option 5 in Step 1, list members of your board of directors. Please include an attachment if necessary.

TABLE – Z

Name	Address
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.

STEP 3
DISCLOSURE OF LOBBYIST OR AGENT

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

☐ Yes ☒ No. Is your company represented by or do you employ a lobbyist required to register under the Lobbyist Registration Act (lobbyist must be registered pursuant to the Act with the Secretary of State) or other agent who is not identified through Step 2, Option A above and who has communicated, is communicating, or may communicate with any State officer or employee concerning the bid or offer? If yes, please identify each lobbyist and agent, including the name and address below.

If you have a lobbyist that does not meet the criteria, then you do not have to disclose the lobbyist's information.

Name	Address	Relationship to Disclosing Entity
Click here to enter text.	Click here to enter text.	Click here to enter text.

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency contract: Click here to enter text.

STEP 4
PROHIBITED CONFLICTS OF INTEREST

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 4 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above. Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you hold or are you the spouse or minor child who holds an elective office in the State of Illinois or hold a seat in the General Assembly? ☐ Yes ☐ No
2. Have you, your spouse, or minor child been appointed to or employed in any offices or agencies of State government and receive compensation for such employment in excess of 60% ($106,447.20) of the salary of the Governor? ☐ Yes ☐ No
3. Are you or are you the spouse or minor child of an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority? ☐ Yes ☐ No
4. Have you, your spouse, or an immediate family member who lives in your residence currently or who lived in your residence within the last 12 months been appointed as a member of a board, commission, authority, or task force authorized or created by State law or by executive order of the Governor? ☐ Yes ☐ No
5. If you answered yes to any question in 1-4 above, please answer the following: Do you, your spouse, or minor child receive from the vendor more than 7.5% of the vendor's total distributable income or an amount of distributable income in excess of the salary of the Governor ($177,412.00)? ☐ Yes ☐ No
6. If you answered yes to any question in 1-4 above, please answer the following: Is there a combined interest of self with spouse or minor child more than 15% in the aggregate of the vendor's distributable income or an amount of distributable income in excess of two times the salary of the Governor ($354,824.00)? ☐ Yes ☐ No

STEP 5
POTENTIAL CONFLICTS OF INTEREST RELATING TO PERSONAL RELATIONSHIPS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 5 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above.

Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you currently have, or in the previous 3 years have you had State employment, including contractual employment of services? ☐ Yes ☐ No
2. Has your spouse, father, mother, son, or daughter, had State employment, including contractual employment for services, in the previous 2 years? ☐ Yes ☐ No

3.	Do you hold currently or have you held in the previous 3 years elective office of the State of Illinois, the government of the United States, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois?	☐ Yes ☐ No
4.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding elective office currently or in the previous 2 years?	☐ Yes ☐ No
5.	Do you hold or have you held in the previous 3 years any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of expenses incurred in the discharge of that office?	☐ Yes ☐ No
6.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding appointive office currently or in the previous 2 years?	☐ Yes ☐ No
7.	Do you currently have or in the previous 3 years had employment as or by any registered lobbyist of the State government?	☐ Yes ☐ No
8.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) that is or was a registered lobbyist?	☐ Yes ☐ No
9.	Do you currently have or in the previous 3 years had compensated employment by any registered election or re-election committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No
10.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) who is or was a compensated employee of any registered election or reelection committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No

STEP 6
EXPLANATION OF AFFIRMATIVE RESPONSES

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you answered "Yes" in Step 4 or Step 5, please provide on an additional page a detailed explanation that includes, but is not limited to the name, salary, State agency or university, and position title of each individual.

STEP 7
POTENTIAL CONFLICTS OF INTEREST RELATING TO DEBARMENT & LEGAL PROCEEDINGS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This step must be completed for each person disclosed in Step 2, Option A, Step 3, and for each entity and sole proprietor disclosed in Step 1.

Please provide the name of the person or entity for which responses are provided: **OHL USA, Inc. ; Judlau Contracting, Inc.**

1.	Within the previous ten years, have you had debarment from contracting with any governmental entity?	☐ Yes ☒ No
2.	Within the previous ten years, have you had any professional licensure discipline?	☐ Yes ☒ No
3.	Within the previous ten years, have you had any bankruptcies?	☐ Yes ☒ No
4.	Within the previous ten years, have you had any adverse civil judgments and administrative findings?	☒ Yes ☐ No
5.	Within the previous ten years, have you had any criminal felony convictions?	☐ Yes ☒ No

If you answered "Yes", please provide a detailed explanation that includes, but is not limited to the name, State agency or university, and position title of each individual. Please see attached

STEP 8
DISCLOSURE OF CURRENT AND PENDING CONTRACTS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you selected Option 1, 2, 3, 4, or 6 in Step 1, do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relat+ionships with units of State of Illinois government?

☒ Yes ☐ No.

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment may be provided if needed.

FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

Agency/University	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
Illinois Tollway	Road & Bridge Recon. Elgin O'Hare Western Access Tollway Elgin Expressway (IL RTE 390) @ I-290 Interchange Mile Post 12.0 to Milepost 12.9	Awarded Project	$63,973,528.97	Contract # I-13-4607 Bulletin# 22033507
IDOT	Will County Section 536-R-1	Awarded Project	$57,095,577	Contract 60L71
IDOT	Cook County Section 2010-081-R	Awarded Project	$47,244,971.22	Contract 60L72
Illinois Tollway	Inside Roadway and Bridge Reconstruction, Jane Addams Memorial Tollway (I-90) from MP 73.3 (Oakton Street) to MP 76.5 (Mannheim Road) WB and from MP 73.3 (Oakton Street) to MP 76.5 (Mannheim Road) EB	Awarded Project	$58,504,152.93	Contract # I-15-4237 Bulletin # 22036788
Illinois Tollway	SB Roadway Widening Veterans Memorial Tollway (I-355)	Awarded Project	$6,695,100.86	Contract # I-13-5663 Bulletin # 22037664
MWRD	Streambank Stabilization on Oak Lawn Creek, Calumet-Sag Channel Watershed, Oak Lawn, Illinois	Awarded Project	$3,035,000.00	Contract # 10-237-3F
City of Chicago	Central Deicing Facility-Mass Grading	Awarded Project	$45,774,781.28	Contract # 56322 Specification# 287910
METRA	Up North Line 11 Bridges Addison to Balmoral	Awarded Project	$17,235,000.00	Contract # R39226
IDOT	IDOT 19 WM Relocation and Retaining Wall 90-94 by UIC	Awarded Project	$19,378,919.74	Contract # 62A74
IDOT	IDOT Item 104 – Fox River Pedestrian Bridge Aurora, IL	Awarded Project	$14,271,674.33	Contract #61E18
Illinois Tollway	RR-17-4687 I-490 Advanced Earthwork and Retaining Walls Ramp G5 Pavement Repairs	Awarded Project	$7,061,001.39	Contract RR-17-4687
IDOT	IDOT Item 117 – I-55 at Weber Road Interchange Reconstruction	Awarded Project	$47,970,125.23	Contract 60X10
Illinois Tollway	I-18-4391 Roadway Rehabilitation and Widening Tri-State Tollway (I-294) Mile Post 19.1 to Mile Post 19.7	Awarded Project	$12,206,238.24	Contract I-18-4391
Illinois Tollway	I-17-4683 IL390 Roadway and Bridge Construction IL 83 to York Road	Awarded Project	$38,317,884.22	Contract I-17-4683
IDOT	IDOT Item 3 Jane Byrne Interchange Bridge Reconstruction	Awarded Project	$ 37,587,819.09	Contract 60X79
Illinois Tollway	I-18-4446 I-294 Retaining Wall Construction, Grading and Shoulder Rehabilitation	Awarded Project	$12,387,495.41	Contract I-18-4446
Illinois Tollway	I-19-4464 I-294 at I-57 Interchange	Awarded Project	$64,352,559.20	Contract I-19-4464
Illinois Tollway	I-19-4705 EOWA I-490 Interchange Construction I-90 Higgins Creek to Mount Prospect Road	Awarded Project	$83,353,068.93	Contract I-19-4705
Illinois Tollway	I-18-4507 I-294 Shoulder Rehab, Retaining Wall and Noisewall Construction	Awarded Project	$9,233,181.12	Contract I-18-4507

Please explain the procurement relationship: Vendor

STEP 9
SIGN THE DISCLOSURE

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This disclosure is signed, and made under penalty of perjury for all for-profit entities, by an authorized officer or employee on behalf of the bidder or offeror pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code. This disclosure information is submitted on behalf of:

Name of Disclosing Entity: Judlau Contracting, Inc.

Signature [redacted] Date: 5/13/2020

Printed Name: Cesar Pereira

Title: General Counsel, Vice President, and Secretary

Phone Number: 718-554-2320

Email Address: cesar.pereira@ohlna.com

Inspection Detail

Quick Link Reference

1192215.015 | 1138010.015 | 1094457.015 | 1091998.015 | 406862.015

Case Status: CLOSED

Inspection: 1192215.015 - Judlau Contracting Inc.

Inspection Information - Office: Manhattan

Nr: 1192215.015 Report ID: 0215000 Open Date: 10/25/2016

Judlau Contracting Inc.
37 7th Ave.
New York, NY 10011
Union Status: Union
SIC:
NAICS: 237110/Water and Sewer Line and Related Structures Construction
Mailing: 26-15 Ulmer St., Flushing, NY 11354

Inspection Type:	Planned		
Scope:	Partial	Advanced Notice:	N
Ownership:	Private		
Safety/Health:	Safety	Close Conference:	10/25/2016
Emphasis:	N:Trench, P:Trench	Close Case:	04/07/2017

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations	1					1
Current Violations				1		1
Initial Penalty	$9,800	$0	$0	$0	$0	$9,800
Current Penalty	$0	$0	$0	$0	$0	$0
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
1.	**01001**	Other	19260651 C02	12/17/2016		$0	$9,800	$0		I - Informal Settlement

Case Status: CLOSED

Inspection: 1138010.015 - Judlau Contracting, Inc.

Inspection Information - Office: Chicago North

Nr: 1138010.015 Report ID: 0524200 Open Date: 04/05/2016

Judlau Contracting, Inc.
I-90 & Touhy Ave.
Des Plaines, IL 60018
SIC:
NAICS: 237310/ Highway, Street, and Bridge Construction
Mailing: 1011 Warrenville Rd.#195, Lisle, IL 60532

Union Status: Union

Inspection Type:	Unprog Rel		
Scope:	Partial	Advanced Notice:	N
Ownership:	Private		
Safety/Health:	Safety	Close Conference:	09/30/2016
		Close Case:	03/06/2019

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations	1					1
Current Violations	1					1
Initial Penalty	$12,471	$0	$0	$0	$0	$12,471
Current Penalty	$10,000	$0	$0	$0	$0	$10,000
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
1.	**01001**	Serious	19260020 B02	10/03/2016	10/07/2016	$10,000	$12,471	$0	10/25/2016	F - Formal Settlement

Case Status: CLOSED

Inspection: 1094457.015 - Judlau Contracting Inc.

Inspection Information - Office: Bridgeport

Nr: 1094457.015 Report ID: 0111500 Open Date: 09/18/2015

Judlau Contracting Inc.
210 North Cherry Streetparker Street
Wallingford, CT 06492
SIC:
NAICS: 237990/Other Heavy and Civil Engineering Construction
Mailing: 99 Colony Street, Meriden, CT 06450

Union Status: Union

Inspection Type:	Referral				
Scope:	Partial	Advanced Notice:	N		
Ownership:	Private				
Safety/Health:	Safety	Close Conference:	09/18/2015		
Emphasis:	N:Trench	Close Case:	12/14/2015		
Related Activity:	Type	ID	Safety	Health	
	Referral	1023232	Yes		

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations				1		1
Current Violations				1		1
Initial Penalty	$0	$0	$0	$0	$0	$0

Current Penalty	$0	$0	$0	$0	$0	$0
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
1.	**01001**	Other	19260054 D	10/16/2015		$0	$0	$0		Z - Issued

Case Status: CLOSED

Inspection: 1091998.015 - Judlau Contracting Inc

Inspection Information - Office: Manhattan

Nr: 1091998.015 Report ID: 0215000 Open Date: 07/27/2015

Judlau Contracting Inc
2nd Ave Tunnel Const Proj, 2nd Ave At 68th St
New York, NY 10065 Union Status: Union
SIC:
NAICS: 238110/Poured Concrete Foundation and Structure Contractors
Mailing: 2615 Ulmer St, Flushing, NY 11354

Inspection Type:	Unprog Rel		
Scope:	Complete	Advanced Notice:	N
Ownership:	Private		
Safety/Health:	Safety	Close Conference:	07/27/2015
Emphasis:	L:Fall	Close Case:	03/16/2016

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations	2					2
Current Violations				1		1
Initial Penalty	$6,300	$0	$0	$0	$0	$6,300
Current Penalty	$0	$0	$0	$2,800	$0	$2,800
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

	#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
	1.	**01001**	Other	19260501 B04 II	01/22/2016	01/28/2016	$2,800	$2,800	$0		I - Informal Settlement
Deleted	2.	**01002**	Serious	19260502 B13	01/22/2016	01/28/2016	$0	$3,500	$0		I - Informal Settlement

Case Status: CLOSED

Inspection: 406862.015 - Judlau Contracting Inc.

Inspection Information - Office: Manhattan

Nr: 406862.015 Report ID: 0215000 Open Date: 04/21/2012

Judlau Contracting Inc.
West Broadway And Chambers Street
New York, NY 10012 Union Status: NonUnion
SIC:
NAICS: 237310/ Highway, Street, and Bridge Construction
Mailing: 26-15 Ulmer St, Flushing, NY 11354

Inspection Type: Unprog Rel

Scope:	Complete	Advanced Notice:	N	
Ownership:	Private			
Safety/Health:	Safety	Close Conference:	04/21/2012	
Emphasis:	L:Localtarg	Close Case:	07/26/2013	
Related Activity:	Type	ID	Safety	Health
	Referral	327940	Yes	

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations	1					1
Current Violations				1		1
Initial Penalty	$4,000	$0	$0	$0	$0	$4,000
Current Penalty	$0	$0	$0	$2,500	$0	$2,500
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
1.	**01001**	Other	19260251 F02	06/01/2012		$2,500	$4,000	$0		I - Informal Settlement

UNITED STATES
DEPARTMENT OF LABOR

Occupational Safety and Health Administration
200 Constitution Ave NW
Washington, DC 20210
800-321-6742 (OSHA)
TTY
www.OSHA.gov

FEDERAL GOVERNMENT

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Disaster Recovery Assistance
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U.S. Office of Special Counsel

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Quick Link Reference

1387834.015 | 1177059.015 | 1120912.015

Case Status: OPEN

Note: The following inspection has not been indicated as closed. Please be aware that the information shown may change, e.g. violations may be added or deleted. For open cases, in which a citation has been issued, the citation information may not be available for 5 days following receipt by the employer for Federal inspections or for 30 days following receipt by the employer for State inspections.

Inspection: 1387834.015 - Ohl Usa

Inspection Information - Office: Ca Santa Ana District Office

Nr: 1387834.015	Report ID: 0950631	Open Date: 03/18/2019
Ohl Usa 526 S. State College Blvd. Anaheim, CA 92806		Union Status: Union
SIC:		
NAICS: 541330/Engineering Services		
Mailing: 1920 Main Street, Suite 310, Irvine, CA 92614		

Inspection Type:	Complaint			
Scope:	Partial	Advanced Notice:	N	
Ownership:	Private			
Safety/Health:	Safety	Close Conference:	06/10/2019	
		Close Case:		
Related Activity:	Type	ID	Safety	Health
	Complaint	1436685	Yes	

Case Status: OPEN

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations				2		2
Current Violations				2		2
Initial Penalty	$0	$0	$0	$935	$0	$935
Current Penalty	$0	$0	$0	$675	$0	$675
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
1.	**01001**	Other	341(C)(2)(B)	06/10/2019	06/24/2019	$225	$375	$0	07/17/2019	-

2.	**01002**	Other	1513(C)	06/10/2019		$450	$560	$0	07/17/2019	-

Case Status: CLOSED

Inspection: 1177059.015 - Ohl Usa Inc

Inspection Information - Office: Ca Fresno

Nr: 1177059.015 Report ID: 0950625 Open Date: 09/07/2016

Ohl Usa Inc
300 Owens Lake
Lone Pine, CA 93545

Union Status: Union

SIC:
NAICS: 236220/Commercial and Institutional Building Construction
Mailing: 1920 Main Street, #310, Irvine, CA 92614

Inspection Type:	Unprog Rel		
Scope:	Complete	Advanced Notice:	N
Ownership:	Private		
Safety/Health:	Health	Close Conference:	12/20/2016
		Close Case:	06/08/2017

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations				3		3
Current Violations				3		3
Initial Penalty	$0	$0	$0	$2,385	$0	$2,385
Current Penalty	$0	$0	$0	$1,535	$0	$1,535
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
1.	**01001**	Other	1527(A)	12/22/2016	01/17/2017	$675	$1,125	$0		I - Informal Settlement
2.	**01002**	Other	3203(B)(2)	12/22/2016	01/17/2017	$300	$325	$0		I - Informal Settlement
3.	**01003**	Other	3395(I)	12/22/2016	01/17/2017	$560	$935	$0		I - Informal Settlement

Case Status: CLOSED

Inspection: 1120912.015 - Ohl Usa, Inc.

Inspection Information - Office: Houston North

Nr: 1120912.015 Report ID: 0626600 Open Date: 01/27/2016

Ohl Usa, Inc.
12500 Nw Freeway Hwy 290
Houston, TX 77092

Union Status: NonUnion

SIC:
NAICS: 237310/ Highway, Street, and Bridge Construction
Mailing: 4020 South Industrial Drive Suite 260 , Austin, TX 78744

Inspection Type:	Fat/Cat				
Scope:	Partial	Advanced Notice:	N		
Ownership:	Private				
Safety/Health:	Safety	Close Conference:	01/27/2016		
Emphasis:	L:Workzone	Close Case:	11/07/2016		
Related Activity:	Type	ID	Safety	Health	

Accident 1057701

Case Status: CLOSED

Violation Summary

	Serious	Willful	Repeat	Other	Unclass	Total
Initial Violations	2					2
Current Violations				1		1
Initial Penalty	$14,000	$0	$0	$0	$0	$14,000
Current Penalty	$0	$0	$0	$7,000	$0	$7,000
FTA Amount	$0	$0	$0	$0	$0	$0

Violation Items

	#	ID	Type	Standard	Issuance	Abate	Curr$	Init$	Fta$	Contest	LastEvent
Deleted	1.	**01001**	Serious	19260602 A09 II	03/07/2016	03/31/2016	$0	$7,000	$0		I - Informal Settlement
	2.	**02001**	Other	19260021 B02	07/07/2016	09/16/2016	$7,000	$7,000	$0		I - Informal Settlement

Accident Investigation Summary

Summary Nr: 82587.015 Event: 01/26/2016 Employee Is Struck And Killed By A Dump Truck

At 12:30 p.m. on January 26, 2016, four employees were walking and surveying a highway lane widening project. One of the employees knelt down to write on a notepad. A dump truck which was backing into the area to unload sand, backed over the kneeling employee. The employee was killed by his injuries.

Keywords: dump truck, run over

	Inspection	Degree	Nature	Occupation
1	1120912.015	Fatality	Other	Civil Engineer

UNITED STATES
DEPARTMENT OF LABOR

Occupational Safety and Health Administration
200 Constitution Ave NW
Washington, DC 20210
800-321-6742 (OSHA)
TTY
www.OSHA.gov

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Additional Disclosures

Neither Judlau Contracting, Inc. nor any Affiliate or any current officer, director or employee of either the firm or any Affiliate, have been indicted or convicted of bid or other contract related crimes or violations within the past ten (10) years. Nonetheless, Obrascon Huarte Lain, S.A. ("**OHL S.A.**"), Judlau Contracting, Inc.'s ultimate, but not direct, parent company makes the following statements:

1. On October 4th 2018 the governmental body called National Commission on Markets and Competition (official name in Spanish "Comisión Nacional de los Mercados y de la Competencia" or "CNMC") has notified OHL S.A. together with other seven Spanish construction companies (Acciona Construcción, Corsán-Corvian, Dragados, FCC Construcción, Ferrovial Agromán and Sacyr Construcción), the beginning of a sanction administrative proceeding for alleged restrictive competition practices (Ref: 611/17).

   In accordance with the resolution opening the above mentioned sanction proceeding, the anticompetitive practices consisted on agreements and exchange of information between the above mentioned companies with the objective of restricting the competition in relation with the request for proposals (tenders) of the different Public Administrations in Spain.

   The beginning of this administrative proceeding, which is not a judicial one, does not prejudice the final outcome of the initiated investigation. The CNMC has up to 18 months to issue a resolution on the sanction proceeding.

   After the notification of the administrative resolution, a contentious administrative appeal ("Recurso Contencioso Administrativo" in Spanish) may be filed against the same before the Courts of Justice. OHL S.A. considers that it has always complied with the Law at all times.

2. OHL S.A., Judlau Contracting, Inc.'s ultimate, but not direct, parent company makes the following and attached statement about former OHL S.A. Chairman Juan Miguel Villar Mir and former OHL S.A. Board Member Javier Lopez Madrid:

   Mr Juan Miguel Villar Mir resigned as member and chairman of the board of the OHL S.A. on June 23, 2016. While he served as chairman of the board of OHL S.A., he had no authority to act on behalf of the company at any moment. He was not an officer, employee and had no capacity to act on behalf of OHL.

   Mr. Javier Lopez Madrid resigned as a member of the board of OHL S.A. on May 9, 2017. While he served as a board member, he had no capacity to act on behalf of the company. He was not an officer or employee of the company.

   Attached please find additional statements concerning OHL S.A.

OHL voluntarily provides new information for the ongoing investigation of the *Audiencia Nacional* ("*Operación Lezo*")

- The Group has carried out a voluntary internal investigation amidst which it has identified two wire transfers in favor of the company Lauryn Group Inc. which were carried out during November 2007. There is no indication that these can be related to any illegal or illicit actions of any kind.
- The internal investigation has not identified any wire transfers ordered by Mr. Javier López Madrid, external proprietary director of the OHL Group since 2002, who has never held executive or representative duties in the Group.

Madrid, May 5 2017.- OHL, voluntarily and following the mandate issued by the Audit and Control Commission of its Board of Directors ("ACC"), and through the Internal Audit Directorate ("IAD") and the Compliance Directorate ("CD"), has voluntarily set forth an internal investigation within the parameters of the judicial requirement issued by the *Guardia Civil* on April 20 amidst the proceedings of *operación Lezo*, a criminal proceeding instructed by the judge of the National Court (*Audiencia Nacional*) Eloy Velasco.

Such investigation has focused on:

1. Determining if any of the OHL Group companies have carried out any wire transfer, in any location, which may correspond to that for an amount of 1.4 Mill € that, according to the media, and as it may be inferred by the information required by the judicial commission present at OHL's offices on April 20, allegedly was carried out by one of the companies of the OHL Group in favor of a Swiss bank account whose holder was a company named Lauryn Group Inc.
2. Determining if there are any indications or suspicions of irregularities in the proceeding for the bidding, awarding and execution of the administrative concession "*Cercanías Móstoles-Navalcarnero*" ("CEMONASA")
3. Determining if Mr. Javier López Madrid, External proprietary director since 2002 and who has never held executive or representative duties in the OHL Group, has had at any given time, the power or the capacity to order or instruct any Group employees to carry out payments of any kind, including wire transfers.

The initiative to further complete the official investigation and to voluntary supply any information in our possession demonstrates the corporate commitment for zero tolerance against corruption, the strict enforcement of our Corporate Code of Governance and the maximum transparency and collaboration with the judiciary that presides all of the actions of this Company.

More information on OHL

Begoña Moreno
Email: bmoreno@tinkle.es
Tel.: (+34) 91 702 25 82
Cellular: (+34) 676 39 34 33

Mar Yuste
Email: myuste@tinkle.es
Tel.: (+34) 91 702 10 10
Cellular: (+34) 638 04 05 79

The Company considers that, at this time, it is important to highlight that ever since the Group was incorporated in 1911 (including Obrascón Huarte Lain, S.A. and all of its national and international subsidiaries) and until this date, no employees or executives of OHL have been ever convicted for corruption whether in Spain or any other country.

Analysis of the identified transfers

By means of a computerized system ("ERP") two wire transfers have been identified, none of which corresponds with the allegedly carried out wire transfer, but which are indeed in favor of Lauryn Group Inc, a company incorporated in Panama and to a bank account held in the Anglo Irish Bank in Switzerland. These two transfers amount to a total of 2.5 million US Dollars and took place in November 2007.

Said transfers have been duly considered in OHL's accounting registries and have pertaining supporting invoices, which apparently correspond to regular transactions within the ordinary course of business of our companies. There are no indications that these might be related with any illegal or illicit actions of any kind.

All of the persons who directly or indirectly held executive duties for these transactions at the time of the transfers have long ceased to work for the Group either because of retirement, voluntary leave or redundancy.

Regardless of the fact that these conclusions are preliminary, since the investigation by the IAD and the DC is still ongoing, (by internal and external means) in order to clarify the facts to the maximum extent possible, OHL has provided the judicial authorities with these findings as soon as it has had knowledge of their existence.

No irregularities in the contracts for the *Cercanías Móstoles-Navalcarnero* (CEMONASA) concession

According to the conclusions of the preliminary internal analysis, there appears to be no indication or suspicion of any irregularity in the proceedings for the bidding, awarding and execution of CEMONASA and it may be concluded, under the current state of the works, that the awarding of the concession and all ensuing actions regarding such have been carried out with total transparency and under the rule of Law. Said internal preliminary analysis, states that there have been no irregularities and it further verifies that this contract has resulted in a ruinous project for OHL which has led to the biggest loss for the Group in a single Project in its whole history, with a total invested amount pending recovery for 259 million €. The concession managing company, CEMONASA, filed for insolvency proceedings months ago and is currently under liquidation.

Regarding this contract, the Autonomous Region of Madrid ("ARM") has requested the enforcement of the provided bank guarantees, in an action that the OHL Group deems unfair and which is currently challenged before the courts, alongside the considerable penalties imposed by the ARM. For this purpose, on 3 December 2016, OHL initiated legal actions against the ARM before the Madrid Superior Court of Justice (*Tribunal Superior de Justicia de Madrid*) claiming the reimbursement of the investments made as well as for the damages suffered.

From all of the above, it can be inferred that the ARM has always acted according to the law, with maximum transparency and rigor and without any beneficial treatment in favor of OHL.

More information on OHL

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Tel.: (+34) 91 702 10 10
Cellular: (+34) 638 04 05 79

Mr. Javier López Madrid has never held executive or representative duties in the OHL Group

Mr. Javier López Madrid has never had the power or capacity to order, authorize or mandate any employees of the OHL Group to carry out payments of any kind, including wire transfers within the dates in which the wire transfer allegedly took place. Furthermore, he has never held executive or representative duties in the OHL Group.

As of today, Mr. Javier López Madrid is under investigation (*investigado*) in these proceedings and has not been formally charged with any crime. Neither OHL nor any of its employees have been charged with any crimes as well.

More information on OHL

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Cellular: (+34) 676 39 34 33

Mar Yuste
Email: myuste@tinkle.es
Tel.: (+34) 91 702 10 10
Cellular: (+34) 638 04 05 79

Abby Reich

From: Adam Ingber
Sent: Thursday, December 6, 2018 12:35 PM
To: Abby Reich
Subject: FW: Confirmation Letter - Attached is your company's Confirmation Letter indicating its eligibility and expiration date.

For your records.

From: IDHR.PublicContracts <IDHR.PublicContracts@Illinois.gov>
Sent: Thursday, December 6, 2018 11:49 AM
To: Adam Ingber <adam.ingber@ohlna.com>
Subject: [EXTERNAL] Confirmation Letter - Attached is your company's Confirmation Letter indicating its eligibility and expiration date.

ILLINOIS DEPARTMENT OF
Human Rights
Bruce Rauner, Governor
Janice Glenn, Director

IDHR #: 136582-00
Date Eligible: 12/05/2018
Expires on: 12/05/2023

ADAM INGBER
JUDLAU CONTRACTING, INC.
26-15 ULMER STREET
COLLEGE POINT, NY 11354

CONFIRMATION OF EXISTING/RENEWAL REGISTRATION

The Illinois Department of Human Rights, Public Contracts Unit, acknowledges receipt of an Employer Report form (PC-1) filed by your organization.

Review of our records indicates that your organization previously registered with the Department of Human Rights and has been assigned the IDHR Number appearing above. This registration remains in effect until the expiration date appearing above. It is not necessary to submit a new form each time you bid on a state contract.

DO NOT LOSE THIS NOTICE. KEEP IT WITH OTHER IMPORTANT ORGANIZATIONAL DOCUMENTS. Also, please keep the following in mind:

1. The IDHR Bidder Eligibility Number is valid for all bids submitted to any agency of the State of Illinois or other contracting agency that has adopted our registration requirement.
2. An eligible bidder's registration remains in effect until the expiration date unless it is revoked by the Department upon finding that the eligible bidder has committed a civil rights violation.
3. An eligible bidder may relinquish its eligibility by notifying the Department in writing at the above address.
4. The Department must be notified in writing of any change to the eligible bidder's name, address, telephone number, or form of organization. Such changes may render the bidder's registration

invalid and may require the filing of a new Employer Report Form with the Department. The Number is not transferable and becomes invalid upon dissolution of the business.

Should you have any questions concerning this notice, please contact the Public Contracts Unit at the above address or telephone at 312-814-2431.

IDHR PCU (01-2010)

100 West Randolph Street, Suite 10-100, Chicago, IL 60601, (312) 814-6200, TTY (866) 740-3953, Housing Line (800) 662-3942
535 West Jefferson Street, 1st Floor, Springfield, IL 62702, (217) 785-5100
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STEP 7, NUMBER 4:

In April 2012, Judlau Contracting, Inc. and its joint venture partner Dragados USA, Inc. executed a settlement of a civil false claims complaint filed by the US Attorney's Office for the Southern District of New York. The allegations in the complaint arose from a compliance audit performed by the joint venture that uncovered certain issues with DBE credits that the joint venture had taken on a project for the Metropolitan Transportation Authority. The joint venture self-reported the issues uncovered by the audit to the MTA. A copy of the Stipulation and Order of Dismissal is enclosed.

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

----------X

UNITED STATES OF AMERICA,

Plaintiff,

v.

DRAGADOS/JUDLAU, A JOINT VENTURE, JUDLAU CONTRACTING, INC., and DRAGADOS USA, INC,

Defendants.

----------X

12 Civ. 2563 (LTS)

STIPULATION AND ORDER OF DISMISSAL

WHEREAS, the United States of America ("United States") commenced this action by filing a complaint in this Court (the "Complaint") against Judlau Contracting, Inc. ("Judlau"), Dragados USA, Inc. ("Dragados"), and Dragados/Judlau, a Joint Venture (the "Joint Venture") (collectively, "Defendants"), under the False Claims Act and common law arising from Defendants' violation of United States Department of Transportation's ("DOT") regulations designed to require the participation of disadvantaged business enterprises ("DBEs") in DOT funded and/or subsidized contracts (the "DBE regulations");

WHEREAS, the DBE regulations are intended to provide opportunities for businesses owned by socially and economically disadvantaged individuals, such as minorities and/or women, possessing the required skills, to perform work on construction projects funded, at least in part, by the federal government;

WHEREAS, the United States contends that it has certain civil claims against the Defendants under the False Claims Act, codified at 31 U.S.C. §§ 3729-3733, and the common law, as specified below, for engaging in the following conduct (collectively the "Covered Conduct"): Defendants engaged in fraudulent conduct designed to avoid their obligation to use DBEs to

perform work on the federally-funded project of constructing a tunnel connecting the Long Island Railroad to Grand Central Station (the "East Side Access Project") through deceit and subterfuge by pretending to subcontract work to DBEs, while in fact arranging for the work to be performed by non-DBE subcontractors. The complaint further alleges that Defendants falsely certified that the requisite amount of work was being performed by DBE entities when they knew it was not, and knowingly, or with reckless disregard of the truth, presented and/or caused to be presented false or fraudulent claims for payment to the Metropolitan Transportation Authority ("MTA"), a recipient of federal funds;

WHEREAS, the United States seeks damages and civil penalties against Defendants under the False Claims Act, 31 U.S.C. §§ 3729-33, and common law;

WHEREAS, Defendants reported issues regarding compliance with the DBE Regulations to the MTA in 2009.

WHEREAS, the parties desire to reach a full and final settlement and compromise of the claims that the United States asserts against Defendants by entering into this stipulation of settlement (the "Stipulation");

NOW, THEREFORE, it is hereby ORDERED as follows:

1. The Court has jurisdiction over this matter pursuant to 28 U.S.C. § 1331.

2. Defendants shall pay $6,500,000 to the United States (the "United States Settlement Amount") by electronic funds transfer, pursuant to written instructions to be provided by the United States Attorney's Office, Southern District of New York, within fifteen (15) days of the entry of this Stipulation by the court.

3. Defendants shall pay $1,000,000 to the MTA's Office of the Inspector General ("MTA OIG") (the "Investigative Costs Amount") by electronic funds transfer, pursuant to written instructions to be provided by MTA OIG, to cover the investigative costs incurred in this matter

within fifteen (15) days of the entry of this Stipulation by the court.

4. The Joint Venture admits, acknowledges, and accepts responsibility for the fact that, between 2006 and 2008, monthly requisition forms and progress reports were submitted to the MTA by representatives of the Joint Venture acting on its behalf that represented that certain DBEs were performing certain work and being paid a certain amount under the East Side Access Contract when, in fact, payment was made to certain DBEs for participation as DBEs in instances and under circumstances where these firms did not qualify for consideration as DBEs for which the Joint Venture could claim credit, in violation of the Contract and the DBE Regulations.

5. Subject to the exceptions in paragraphs 7, in consideration of the obligations of the Defendants set forth in this Stipulation, upon payment in full of the Settlement Amount, and subject to Paragraph 14 below (concerning bankruptcy proceedings commenced within 91 days of the Effective date of this Stipulation) the United States agrees to release the Defendants and all of their current and former employees, related entities, representatives, officers and directors, from any civil monetary claim arising from the Covered Conduct that the United States has or may have against the Defendants under the False Claims Act, 31 U.S.C. §§ 3729-3733; the Civil Monetary Penalties Law, 42 U.S.C. § 1320a-7a; the Program Fraud Civil Remedies Act, 31 U.S.C. §§ 3801-3812; and the common law theories of payment by mistake, unjust enrichment, and fraud.

6. Subject to the exceptions in paragraph 7, in consideration of the obligations of the Defendants set forth in this Stipulation, upon payment in full of the Investigative Costs Amount, and subject to Paragraph 14 below (concerning bankruptcy proceedings commenced within 91 days of the Effective date of this Stipulation), MTA OIG agrees to release the Defendants and all of their current and former employees, related entities, representatives, officers and directors, from the obligation to reimburse MTA OIG for investigative costs stemming from the Covered Conduct.

7. Notwithstanding any term of this Stipulation and Order, including the releases

provided in paragraphs 5 and 6, any and all of the following are specifically reserved and excluded from the scope and terms of this Stipulation and Order:

a. Any civil, criminal or administrative liability arising under Title 26, U.S. Code (Internal Revenue Code);

b. Any civil, criminal or administrative liability arising under New York State Tax Law;

c. Any criminal liability;

d. Any administrative liability;

e. Any liability to the United States (or its agencies) for any conduct other than the Covered Conduct;

f. Any liability based upon such obligations as are created by this Stipulation; and

g. Any liability to the United States of any person or entity, including but not limited to any joint tortfeasor, who or that is not released by the terms of this Stipulation.

8. The Defendants shall be in default of this Stipulation if they fail to make the payments set forth in paragraphs 2 and 3. The United States will provide written notice of the default, to be sent by first-class mail to the undersigned attorneys for each of the Defendants. In the event of default, the Settlement Amount and the Investigative Costs Amount shall be immediately due and payable, and interest shall accrue at the rate of 5% per annum compounded daily on the remaining unpaid principal balance, beginning seven (7) business days after delivery of the notice of default. If the Settlement Amount and Investigative Costs Amount, with all accrued interest, are not paid in full within seven (7) business days after delivery of the notice of default, the United States may, at its option: (a) seek specific performance of the Stipulation; (b) offset the remaining

unpaid balance of the Settlement Amount from any amounts due and owing the Defendants by any department, agency or agent of the United States at the time of default; (c) reinstate this lawsuit; or (d) exercise any other rights granted by law, or under the terms of this Stipulation, or recognizable at common law or in equity. The Defendants shall not contest any offset imposed or any collection action undertaken by the United States pursuant to this paragraph, either administratively or in any State or Federal court. In addition, the Defendants shall pay the United States all reasonable costs of collection and enforcement under this paragraph, including attorney's fees and expenses. In the event that the United States opts to rescind this Stipulation pursuant to this paragraph, the Defendants shall not plead, argue or otherwise raise any defenses under the theories of statute of limitations, laches, estoppel or similar theories, to any civil or administrative claims which relate to the Covered Conduct, except to the extent those defenses were available on date of the filing of the complaint in this action.

9. The Defendants waive and will not assert any defenses they may have to any criminal prosecution or administrative action relating to the Covered Conduct that may be based in whole or in part on a contention that, under the Double Jeopardy Clause in the Fifth Amendment of the United States Constitution, or under the Excessive Fines Clause in the Eighth Amendment of the United States Constitution, this Stipulation bars a remedy sought in such criminal prosecution or administrative action. Nothing in this paragraph or any other provision of the Stipulation constitutes an agreement by the United States or MTA OIG concerning the characterization of the Settlement Amount or the Investigative Costs Amount for purposes of the Internal Revenue Code, Title 26 of the United States Code or New York State Tax Law.

10. The Defendants agree that this Stipulation is not punitive in purpose or effect.

11. The Defendants fully and finally release the United States, its agencies, departments, employees, servants, and agents from any claims (including attorneys' fees, costs,

and expenses of every kind and however denominated) which the Defendants have asserted, could have asserted, or may assert in the future against the United States, its agencies, departments, employees, servants, and agents related to the Covered Conduct, and the United States' investigation and prosecution thereof, and this Stipulation.

12. This Stipulation is intended to be for the benefit of the parties only. The parties do not release any claims against any other person or entity, except as provided in this Stipulation. Until the Settlement Amount and Investigative Costs Amount are fully satisfied, the Defendants shall maintain custody of, or make arrangements to have maintained, all documents and records of the Defendants related to the Covered Conduct.

13. The Defendants expressly warrant that they have reviewed their financial situation and that they currently are solvent within the meaning of 11 U.S.C. §§ 547(b)(3) and 548(a)(1)(B)(ii)(I), and will not become insolvent following their payments of the U.S. Settlement Amount and the Investigative Costs Amount to the United States and the MTA OIG respectively hereunder. Further, the parties expressly warrant that, in evaluating whether to execute this Stipulation, such parties (i) have intended that the mutual promises, covenants and obligations set forth herein constitute a contemporaneous exchange for new value given to the Defendants, within the meaning of 11 U.S.C. § 547(c)(1); and (ii) have concluded that these mutual promises, covenants and obligations do, in fact, constitute such a contemporaneous exchange. Further, the parties warrant that the mutual promises, covenants, and obligations set forth herein are intended and do, in fact, represent a reasonable equivalent exchange of value which is not intended to hinder, delay or defraud any entity to which the Defendants were or became indebted to on or after the date of these transfers, all within the meaning of 11 U.S.C. § 548(a)(1).

14. If, within 91 days of the effective date of this Stipulation or within 91 days of any

payment under this Stipulation, the Defendants commence, or a third party commences, any case, proceeding, or other action under any law relating to bankruptcy, insolvency, reorganization or relief of debtors: (i) seeking to have any order for relief of the Defendants' debts; (ii) seeking to adjudicate any of the Defendants as bankrupt or insolvent; or (iii) seeking appointment of a receiver, trustee, custodian or other similar official for either of the Defendants or for all or any substantial part of their assets, then:

a. Defendants' obligations under this Stipulation shall not be avoided pursuant to 11 U.S.C. § 547, and the Defendants shall not argue or otherwise take the position in any such case, proceeding or other action that: (i) the Defendants' obligations under this Stipulation may be avoided under 11 U.S.C. § 547; (ii) the Defendants were insolvent at the time this Stipulation was entered into, or became insolvent as a result of the payments made to the United States and/or MTA OIG hereunder; or (iii) the mutual promises, covenants and obligations set forth in this Stipulation do not constitute a contemporaneous exchange for new value given to the Defendants.

b. In the event that the Defendants' obligations hereunder are avoided for any reason, including, but not limited to, through the exercise of a trustee's avoidance powers under the Bankruptcy Code, the United States and/or MTA OIG, at their sole option, may rescind its agreement to this Stipulation, and bring any civil and/or administrative claim, action or proceeding against the Defendants for the claims that would otherwise be covered by the releases provided in paragraphs 5 and 6, above. The Defendants: (i) shall not contend that any such claims, actions or proceedings brought by the United States are subject to an automatic stay pursuant to 11 U.S.C. § 362(a) as a result of the action, case or proceeding described in the

first clause of this paragraph; (ii) the Defendants shall not plead, argue or otherwise raise any defenses under the theories of statute of limitations, laches, estoppel or similar theories, to any such civil or administrative claims, actions or proceedings which are brought by the United States or the State within thirty (30) calendar days of written notification to the Defendants that the releases herein have been rescinded pursuant to this paragraph, except to the extent such defenses were available on the date the complaint was filed in this action; (iii) the Defendants shall not contest the validity of a claim filed by the United States against the Defendants in the amount of $6,500,000 and the United States may pursue its claims in the case, action or proceeding referenced in the first clause of this paragraph, as well as any other case, action, or proceeding; and (iv) the Defendants shall not contest the validity of a claim filed by the MTA OIG against the Defendants in the amount of $1,000,000 million and MTA OIG may pursue its claims in the case, action or proceeding referenced in the first clause of this paragraph, as well as any other case, action, or proceeding.

c. The Defendants' agreements in this paragraph are provided in exchange for valuable consideration provided in this Stipulation.

15. Except as expressly provided to the contrary in this Stipulation, the United States, MTA OIG and Defendants shall each bear its own legal and other costs incurred in connection with this matter, including the preparation and performance of this Stipulation.

16. This Stipulation is governed by the laws of New York State without regard to choice of law or conflict of laws principles. The parties agree that the exclusive jurisdiction and venue for any dispute arising between and among the parties under this Stipulation as it relates to this action, will be the United States District Court for the Southern District of New York. The

parties waive any objection that any of them may now have or hereafter may have to this venue, whether concerning this Stipulation or for any related suit, action or proceeding, and irrevocably consent to the jurisdiction of this Court and agree to accept and acknowledge service in any such suit, action or proceeding.

17. For purposes of construction, this Stipulation shall be deemed to have been drafted by all parties to this Stipulation and shall not, therefore, be construed against any party for that reason in any subsequent dispute.

18. Any failure by the United States or the MTA OIG to insist upon the strict performance of any of the provisions of this Stipulation shall not be deemed a waiver of any of the provisions hereof, and the United States and the MTA OIG, notwithstanding that failure, shall have the right thereafter to insist upon strict performance of any and all of the provisions of this Stipulation.

19. If any part of this Stipulation shall for any reason be found or held invalid or unenforceable by any court of competent jurisdiction, such invalidity or unenforceability shall not affect the remainder of this Stipulation, which shall survive and be construed as if such invalid unenforceable part had not been contained herein.

20. This Stipulation constitutes the complete agreement between the parties. This Stipulation may not be amended, changed, modified or waived except in writing signed by all parties or their authorized representatives.

21. The individuals signing the Stipulation on behalf of the Defendants represent and warrant that they are authorized, respectively, by the Defendants to execute this Stipulation. The undersigned signatories for the United States and the MTA OIG represent that they are signing this Stipulation in their official capacities and that they are authorized to execute this Stipulation.

22. This Stipulation may be executed in counterparts, each of which constitutes an

original and all of which constitute one and the same agreement. Facsimiles of signatures shall constitute acceptable, binding signatures for purposes of this Stipulation.

23. This Stipulation is binding on the Defendants' successors, transferees, heirs, and assigns.

24. None of the Defendants waives any right to pursue any potential legal remedies against each other that may exist as a result of the conduct alleged in this complaint.

25. The Complaint is hereby dismissed, without prejudice to reinstatement in accordance with Paragraph 8 of this Stipulation.

26. Any notices pursuant to this Stipulation shall be in writing and shall, unless expressly provided otherwise herein, be given by hand delivery, express courier, or facsimile transmission followed by postage prepaid mail, and shall be addressed as follows:

IF TO THE UNITED STATES:
Lara K. Eshkenazi
Assistant United States Attorney
United States Attorney's Office
Southern District of New York
86 Chambers Street, 3rd Floor
New York, New York 10007
Facsimile: (212) 637-2730

IF TO THE MTA OIG:
Office of the Inspector General
Metropolitan Transportation Authority
Two Penn Plaza, 5th Floor
New York, New York 10121
Facsimile: (212) 878-0105

IF TO DEFENDANTS DRAGADOS AND THE JOINT VENTURE:
Thomas J. Curran
Peckar & Abramson, P.C.
41 Madison Avenue, 20th Floor
New York, NY 10010
Facsimile: (212) 382-3456

IF TO DEFENDANTS JUDLAU:
Mark Rosen
McElroy, Deutsch, Mulvaney &Carpenter, LLP
88 Pine Street, 24th Floor
New York, NY 10005
Facsimile: (212) 483-9129

The Defendants represent that this Stipulation and Order is freely and voluntarily entered into without any degree of duress or compulsion whatsoever and upon due deliberation with the advice of counsel.

Dated: New York, New York
April 3, 2012

BARRY KLUGER
Inspector General
Metropolitan Transit Authority

By: [redacted]

C. CLIFFORD BROCK
Chief, Construction Fraud Unit
Office of the Inspector General
MTA
Two Penn Plaza, 5th Floor
New York, NY 10121
Telephone: (212) 878-0099
Facsimile: (212) 878-0105
Email: cbrock@mtaig.org

Dated: New York, New York
April 4, 2012

PREET BHARARA
United States Attorney for the
Southern District of New York

By: [redacted]

LARA K. ESHKENAZI
MARA E. TRAGER
ELLEN M. LONDON
Assistant United States Attorneys
86 Chambers Street, 3rd Floor
New York, New York 10007
Telephone: (212) 637-2758/2799/2737
Facsimile: (212) 637-2730
Email: lara.eshkenazi@usdoj.gov
mara.trager@usdoj.gov
ellen.london@usdoj.gov

Dated: New York, NY
April __, 2012

PECKAR & ABRAMSON
Attorneys for Defendant
Dragados USA, Inc. and
Dragados/Judlau, a Joint Venture

By: _____

THOMAS J. CURRAN
Peckar & Abramson, P.C.
41 Madison Avenue, 20th Fl.
New York, NY 10010
Telephone: (212) 382-0909
Facsimile: (212) 382-3456
Email: tcurran@pecklaw.com

Dated: New York, NY
April __, 2012

McELROY, DEUTSCH, MULVANEY
& CARPENTER
Attorneys for Defendant
Judlau Contracting, Inc.

By: _____

MARK A. ROSEN
McElroy, Deutsch, Mulvaney & Carpenter
88 Pine Street, 24th Fl.
New York, NY 10010
Telephone: (212) 483-9490
Facsimile: (212) 483-9129
Email: mrosen@mdmc-law.com

SO ORDERED:

_____
UNITED STATES DISTRICT COURT JUDGE

The Defendants represent that this Stipulation and Order is freely and voluntarily entered into without any degree of duress or compulsion whatsoever and upon due deliberation with the advice of counsel.

Dated: New York, New York
April __, 2012

BARRY KLUGER
Inspector General
Metropolitan Transit Authority

By: _____
C. CLIFFORD BROCK
Chief, Construction Fraud Unit
Office of the Inspector General
MTA
Two Penn Plaza, 5th Floor
New York, NY 10121
Telephone: (212) 878-0099
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Email: cbrock@mtaig.org

Dated: New York, New York
April __, 2012

PREET BHARARA
United States Attorney for the
Southern District of New York

By: _____
LARA K. ESHKENAZI
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ELLEN M. LONDON
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Facsimile: (212) 637-2730
Email: lara.eshkenazi@usdoj.gov
mara.trager@usdoj.gov
ellen.london@usdoj.gov

Dated: New York, NY
April 4, 2012

PECKAR & ABRAMSON
Attorneys for Defendant
Dragados USA, Inc. and
Dragados/Judlau, a Joint Venture

By: [redacted]
THOMAS J. CURRAN
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Telephone: (212) 382-0909
Facsimile: (212) 382-3456
Email: tcurran@pecklaw.com

Dated: New York, NY
April 3, 2012

McELROY, DEUTSCH, MULVANEY
& CARPENTER
Attorneys for Defendant
[redacted]

By: [redacted]
MARK A. ROSEN
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88 Pine Street, 24th Fl.
New York, NY 10010
Telephone: (212) 483-9490
Facsimile: (212) 483-9129
Email: mrosen@mdmc-law.com

SO ORDERED:

_____
UNITED STATES DISTRICT COURT JUDGE

Judlau Contracting, Inc.'s ECB Violations since 5/29/2010

Violations Number	Violation Date	Amount	Status
00261205R	5/29/2010	$484	Paid
00193013K	7/21/2010	$1,500	Paid
00264157J	7/21/2010	$1,400	Paid
177219287	10/13/2010	$1,200	Paid
177447014	11/10/2010	$750	Paid
177428231	12/20/2010	$1,200	Paid
177032177	1/27/2011	$1,200	Paid
177032186	1/27/2011	$1,200	Paid
177062610	1/27/2011	$750	Paid
177426509	1/31/2011	$800	Paid
178873961	3/7/2011	$1,800	Paid
179069029	3/7/2011	$250	Paid
178882074	3/14/2011	$1,200	Paid
179058597	4/11/2011	$150	Paid
179349226	5/9/2011	$1,200	Paid
179367055	5/9/2011	$1,200	Paid
179058642	5/16/2011	$1,200	Won
179290183	5/18/2011	$1,200	Paid
179292347	5/18/2011	$150	Paid
179292356	5/18/2011	$250	Paid
179290192	5/24/2011	$250	Paid
179086014	6/6/2011	$1,200	Paid
179328802	9/6/2011	$1,200	Paid
179329160	9/6/2011	$250	Paid
179335283	9/6/2011	$1,200	Paid
179780150	9/21/2011	$1,800	Paid
179780160	9/21/2011	$50	Paid
179800529	9/21/2011	$1,500	Paid
179802774	9/21/2011	$1,200	Paid
179802783	9/21/2011	$250	Paid
179802792	9/21/2011	$250	Paid
179802801	9/21/2011	$400	Paid
168240261	9/26/2011	$1,800	Paid
170233214	1/17/2012	$0	Won
180116375	3/12/2012	$1,200	Paid
180470400	6/4/2012	$250	Paid
00400651Y	10/2/2012	$700	Paid
180844566	3/25/2013	$1,200	Won
181854063	4/29/2013	$1,200	Paid
182029724	6/24/2013	$1,200	Won
171039734	8/15/2013	$100	Paid
182126973	8/20/2013	$1,500	Paid
182580402	10/7/2013	$750	Paid
182249760	10/21/2013	$1,200	Paid
182249770	10/21/2013	$250	Paid
168717340	10/22/2013	$1,200	Paid

180423798	11/15/2013	$500	Paid
182580411	12/16/2013	$1,200	Paid
168717809	1/13/2014	$1,200	Paid
182119549	1/21/2014	$1,200	Paid
182643102	3/3/2014	$750	Won
182643111	3/10/2014	$1,200	Paid
182643130	3/10/2014	$750	Won
182111564	3/11/2014	$750	Won
182719819	3/24/2014	$1,200	Won
185496832	5/19/2014	$1,800	Won
185496841	5/19/2014	$750	Won
185496850	5/19/2014	$250	Paid
182795425	6/23/2014	$500	Paid
182795434	6/23/2014	$250	Paid
184004994	8/4/2014	$1,000	Paid
185498868	8/8/2014	$250	Paid
185498859	8/18/2014	$250	Paid
182168920	8/29/2014	$1,200	Paid
184004985	9/8/2014	$250	Paid
184005003	9/8/2014	$1,200	Paid
184019267	9/8/2014	$1,200	Paid
184019285	9/8/2014	$1,200	Paid
187117325	10/27/2014	$250	Paid
187085241	10/28/2014	$1,200	Paid
183987055	11/25/2014	$1,800	Won
185670174	12/1/2014	$1,830	Paid
187063800	12/2/2014	$1,230	Paid
187097222	1/6/2015	$750	Paid
187024705	2/24/2015	$530	Paid
187024714	2/24/2015	$80	Paid
187542769	3/2/2015	$3,000	Paid
187594312	4/27/2015	$150	Paid
187594321	4/27/2015	$1,200	Paid
187594330	4/27/2015	$750	Paid
187594368	4/27/2015	$750	Paid
187594377	4/27/2015	$450	Paid
187668975	5/18/2015	$450	Paid
187668984	5/18/2015	$250	Paid
187389346	6/16/2015	$1,200	Paid
700065823	7/12/2015	$1,261	Paid
187721160	7/13/2015	$250	Paid
700067940	7/15/2015	$280	Paid
187698318	8/3/2015	$750	Paid
187089257	9/1/2015	$1,200	Paid
187388740	9/22/2015	$1,230	Paid
187389272	9/25/2015	$1,200	Paid
00273015Y	9/28/2015	$1,400	Paid

00274103Z	9/29/2015	$1,315	Paid
189213833	10/30/2015	$12,000	Paid
700269855	11/6/2015	$1,200	Paid
189223082	11/7/2015	$1,200	Paid
700269828	11/7/2015	$1,200	Paid
189215236	11/13/2015	$1,200	Paid
700302855	11/24/2015	$1,200	Paid
700302864	11/24/2015	$1,800	Paid
700302873	11/24/2015	$1,800	Paid
188557600	11/30/2015	$1,200	Paid
700321454	12/1/2015	$750	Won
700337276	12/8/2015	$2,250	Paid
189223110	12/13/2015	$1,800	Paid
189224301	12/23/2015	$1,200	Paid
700372467	12/24/2015	$150	Paid
700372476	12/24/2015	$1,200	Paid
189224357	12/31/2015	$1,800	Paid
700386390	1/5/2016	$150	Paid
700387775	1/5/2016	$1,500	Paid
700383238	1/6/2016	$750	Paid
700383247	1/6/2016	$1,800	Paid
700386940	1/7/2016	$1,000	Paid
191058048	1/26/2016	$1,200	Paid
700417383	2/2/2016	$1,200	Paid
011472804h	2/4/2016	$300	Paid
700422241	2/8/2016	$1,200	Paid
700455499	3/8/2016	$1,800	Won
191015258	3/29/2016	$1,800	Paid
19101888	3/30/2016	$750	Paid
191067030	3/30/2016	$750	Paid
700497079	4/5/2016	$1,200	Paid
700497088	4/5/2016	$750	Paid
700497097	4/5/2016	$1,200	Paid
700543150	4/28/2016	$750	Paid
20164860041-01	5/4/2016	$40	Paid
191640965	5/5/2016	$1,230	Paid
191641863	5/9/2016	$1,830	Paid
191018888	5/10/2016	$750	Paid
700561831	5/17/2016	$1,200	Paid
700581970	5/17/2016	$1,200	Paid
191646777	5/25/2016	$250	Paid
700586976	5/27/2016	$750	Paid
191642698	5/31/2016	$1,800	Paid
191642707	5/31/2016	$750	Paid
700584271	5/31/2016	$1,200	Paid
191649260	6/1/2016	$250	Paid
191646520	6/4/2016	$1,200	Paid

191648582	6/4/2016	$1,200	Paid
700592760	6/6/2016	$1,200	Paid
191648591	6/15/2016	$1,200	Paid
191251134	6/17/2016	$1,500	Won
191251776	6/17/2016	$250	Paid
700610350	6/20/2016	$1,200	Paid
191646941	6/21/2016	$250	Paid
191646950	6/21/2016	$250	Paid
191649408	6/21/2016	$250	Paid
700610296	6/21/2016	$1,200	Paid
700617565	6/28/2016	$1,500	Paid
700618876	6/28/2016	$1,200	Paid
700620333	6/30/2016	$1,830	Paid
700620342	6/30/2016	$1,530	Paid
191252811	7/3/2016	$750	Paid
700642279	7/8/2016	$450	Paid
700642288	7/9/2016	$1,200	Paid
191251381	7/12/2016	$750	Paid
191251390	7/12/2016	$150	Paid
700647824	7/18/2016	$750	Paid
191256093	7/19/2016	$250	Paid
191254250	7/20/2016	$1,500	Paid
191256010	7/20/2016	$1,500	Paid
191254746	7/25/2016	$1,200	Paid
191254755	7/25/2016	$800	Won
191256533	7/25/2016	$1,200	Won
191256551	7/25/2016	$1,530	Paid
191256084	7/29/2016	$250	Paid
191256378	7/30/2016	$1,200	Paid
191256387	7/30/2016	$100	Paid
189330763	8/19/2016	$500	Paid
191259357	8/21/2016	$100	Paid
191259366	8/22/2016	$250	Paid
700700670	8/23/2016	$1,000	Paid
191650122	8/25/2016	$1,260	Paid
191267039	9/7/2016	$1,200	Paid
191267048	9/7/2016	$1,200	Paid
700718435	9/11/2016	$1,200	Paid
191267120	9/12/2016	$1,200	Paid
191650618	9/22/2016	$1,230	Paid
700729518	9/22/2016	$250	Paid
700758549	10/12/2016	$250	Paid
700754423	10/17/2016	$1,200	Paid
700754551	10/17/2016	$1,200	Paid
700754560	10/17/2016	$1,200	Paid
700754589	10/17/2016	$1,200	Paid
700763260	10/17/2016	$1,500	Paid

700763279	10/17/2016	$1,200	Paid
700763288	10/17/2016	$1,500	Paid
191453030	10/29/2016	$1,230	Paid
91453296	11/3/2016	$3,600	Paid
700749486	11/7/2016	$250	Paid
191454111	11/18/2016	$1,200	Paid
700822660	11/23/2016	$1,200	Paid
191441728	11/25/2016	$750	Paid
191441737	11/25/2016	$1,800	Paid
191454194	11/28/2016	$1,200	Paid
191445082	12/1/2016	$1,800	Paid
191445770	12/6/2016	$1,800	Paid
191453296	1/3/2017	$200	Paid
700794968	1/30/2017		Paid
700794986	1/30/2017		Paid
191445789	2/7/2017	$750	Paid
191455074	2/7/2017		Paid
191455193	2/7/2017		Paid
700817792	2/13/2017	$1,500	Paid
700817839	2/13/2017	$1,200	Paid
700817857	2/13/2017	$1,200	Paid
700817866	2/13/2017	$1,200	Paid
191449199	2/14/2017	$750	Paid
191454991	2/14/2017	$1,200	Paid
191455029	2/14/2017	$1,200	Paid
191440930	2/28/2017	$1,200	Paid
191440949	2/28/2017	$750	Paid
191444799	2/28/2017	$1,200	Paid
191444808	2/28/2017	$1,200	Paid
700861453	3/6/2017	$1,200	Paid
700866789	3/6/2017	$1,200	Paid
191447493	3/7/2017	$1,800	Paid
191447502	3/7/2017	$750	Paid
191449051	3/7/2017	$750	Paid
191449060	3/7/2017	$1,800	Paid
191454937	3/7/2017	$1,200	Paid
191455770	3/8/2017		Paid
700888660	3/27/2017	$1,800	Won
700868080	4/3/2017	$150	Paid
700868090	4/3/2017	$750	Paid
700868154	4/3/2017	$100	Paid
700868960	3/7/2017	$750	Paid
700899183	4/3/2017	$1,500	Paid
191423760	4/4/2017	$1,200	Paid
191540306	4/4/2017	$1,200	Paid
191453240	4/11/2017	$1,200	Paid
191453250	4/11/2017	$750	Paid

700860023	4/13/2017		Won
191449666	4/14/2017	$1,800	Paid
191422496	4/18/2017	$500	Paid
191427556	5/23/2017	$1,200	Paid
191427610	6/6/2017	$1,200	Paid
191429527	6/6/2017	$1,200	Paid
191455909	6/13/2017	$1,800	Paid
191455918	6/13/2017	$800	Paid
191427996	6/20/2017	$1,200	Paid
701003656	7/10/2017		Paid
191420360	7/11/2017		Won
191542827	7/11/2017	$1,200	Paid
196162479	7/25/2017	$1,200	Paid
701117551	8/3/2017	$1,500	Paid
701112070	8/5/2017	$1,500	Paid
701132704	8/5/2017	$1,200	Paid
196164192	8/10/2017	$750	Paid
196164201	8/10/2017	$250	Paid
196165530	8/13/2017	$750	Paid
196165540	8/13/2017	$250	Paid
70111254	8/14/2017	$1,230	Paid
701111254	8/14/2017	$1,230	Paid
701112161	8/14/2017	$250	Paid
701112180	8/14/2017	$250	Paid
191548345	8/15/2017		Paid
701117259	8/16/2017	$250	Paid
196167510	8/17/2017	$750	Paid
196167520	8/17/2017	$250	Paid
196167649	8/23/2017	$750	Paid
196167658	8/23/2017	$1,200	Paid
196167667	8/23/2017	$250	Paid
700992344	8/28/2017		Paid
700992600	8/28/2017		Paid
700995900	8/28/2017		Paid
196166731	9/5/2017	$250	Paid
196155814	9/12/2017	$1,200	Paid
196155823	9/12/2017	$1,200	Paid
196155832	9/12/2017	$250	Paid
196157180	9/12/2017	$500	Paid
196158610	9/19/2017	$1,200	Paid
196158629	9/19/2017	$750	Paid
196158638	9/19/2017	$1,200	Paid
196161020	9/19/2017	$1,800	Paid
196161030	9/19/2017	$1,500	Paid
196161049	9/19/2017	$750	Paid
196170004	9/28/2017	$280	Paid
201992946	10/3/2017	$1,200	Paid

701202141	10/19/2017	$750	Paid
701220576	10/28/2017	$1,500	Paid
701240751	11/3/2017	$750	Paid
701264677	11/8/2017	$750	Paid
701267280	11/21/2017	$1,500	Paid
196169216	11/27/2017	$250	Paid
196169225	11/27/2017	$1,200	Paid
196169234	11/27/2017	$1,800	Paid
196169243	11/27/2017	$1,800	Paid
201996090	11/27/2017	$1,200	Paid
201996127	11/27/2017	$250	Paid
701281076	11/29/2017	$1,500	Paid
701281112	11/29/2017	$750	Paid
162042358	12/6/2017	$1,200	Paid
701309649	12/20/2017	$750	Paid
201996659	12/21/2017	$500	Paid
201998711	12/21/2017	$1,200	Paid
201998749	12/22/2017	$1,200	Paid
201998758	12/22/2017	$1,500	Paid
701340063	1/19/2018	$1,200	Paid
701348560	1/29/2018	$750	Paid
701400765	2/9/2018	$1,200	Paid
196570386	2/13/2018	$1,200	Paid
196570395	2/13/2018	$800	Paid
196563190	2/20/2018	$250	Paid
196563209	2/20/2018	$750	Paid
203120143	4/22/2018	$1,200	Paid
701443041	4/24/2018	$1,200	Won
701447075	5/2/2018	$1,200	Paid
203143968	5/10/2018	$1,200	Paid
701460578	5/14/2018	$1,200	Won
203124965	6/9/2018	$1,200	Paid
196580396	6/20/2018	$1,200	Paid
196580423	6/21/2018	$1,200	Paid
196581377	6/21/2018	$1,200	Paid
196581386	6/21/2018	$750	Paid
196582266	6/23/2018	$1,800	Paid
196582275	6/23/2018	$750	Paid
196582284	6/23/2018	$1,800	Paid
203125120	6/20/2018	$1,200	Paid
203125130	6/20/2018	$1,200	Paid
203128449	6/23/2018	$1,800	Paid
203128458	6/23/2018	$750	Paid
196582569	7/1/2018	$750	Paid
196582852	7/1/2018	$750	Paid
196582587	7/1/2018	$1,800	Paid
196582605	7/1/2018	$1,800	Paid

196582843	7/1/2018	$1,800	Paid
701489059	6/7/2018	$1,200	Paid
206003023	8/16/2018	$1,200	Paid
206000374	8/7/2018	$250	Paid
196587986	8/1/2018	$1,200	Paid
196585190	7/22/2018	$1,200	Paid
196585786	7/15/2018	$1,200	Paid
196585795	7/15/2018	$1,200	Paid
196585804	7/15/2018	$750	Paid
196586107	7/19/2018	$1,200	Paid
196586116	7/19/2018	$1,200	Paid
701540539	7/5/2018	$1,500	Paid
206001016	8/1/2018	$1,200	Paid
206001373	8/18/2018	$1,200	Paid
206004792	8/18/2018	$1,200	Paid
206004801	8/9/2018	$1,200	Paid
206004810	8/18/2018	$750	Paid
701567570	7/22/2018	$780	Paid
206000219	8/11/2018	$1,200	Paid
206000677	8/10/2018	$750	Paid
206000686	8/10/2018	$500	Paid
206002776	8/11/2018	$1,200	Paid
206002785	8/11/2018	$1,200	Paid
206000879	8/4/2018	$1,200	Paid
206000888	8/4/2018	$750	Paid
206000897	8/4/2018	$1,200	Paid
206001117	8/4/2018	$750	Paid
196582596	7/1/2018	$750	Paid
205970299	9/11/2018	$1,200	Paid
205970830	9/15/2018	$1,200	Paid
205970858	9/15/2018	$750	Paid
206001685	9/3/2018	$750	Paid
206004426	8/25/2018	$1,800	Paid
206005746	9/1/2018	$1,200	Paid
206005755	9/1/2018	$750	Paid
206006424	9/1/2018	$1,200	Paid
206006460	9/1/2018	$1,200	Paid
206008377	9/11/2018	$1,200	Paid
206008633	9/11/2018	$1,200	Paid
196586556	7/19/2018	$1,200	Paid
196587270	7/22/2018	$1,200	Paid
196587280	7/22/2018	$1,200	Paid
701606281	8/17/2018	$1,200	Paid
701641124	9/5/2018	$1,200	Paid
701641133	9/5/2018	$1,200	Paid
206005480	9/5/2018	$750	Paid
206008276	9/6/2018	$1,800	Paid

206008285	9/6/2018	$750	Paid
206008294	9/6/2018	$1,200	Paid
206008303	9/6/2018	$1,200	Paid
206008523	9/6/2018	$1,800	Paid
205971527	9/23/2018	$1,200	Paid
205971536	9/23/2018	$1,200	Paid
205975110	9/23/2018	$1,200	Paid
205975120	9/23/2018	$250	Paid
205975139	9/23/2018	$750	Paid
205975148	9/23/2018	$750	Paid
701681916	9/29/2018	$750	Paid
701692788	10/9/2018	$1,200	Paid
205972232	10/12/2018	$250	Paid
205972443	10/15/2018	$750	Paid
205972910	10/15/2018	$1,200	Paid
205973049	10/13/2018	$1,200	Paid
205973058	10/13/2018	$750	Paid
205973067	10/13/2018	$750	Paid
205973076	10/13/2018	$250	Paid
205973709	10/13/2018	$1,200	Paid
205973718	10/13/2018	$1,200	Paid
205973727	10/13/2018	$750	Paid
205975469	10/15/2018	$1,200	Paid
205976870	10/22/2018	$1,200	Paid
205977045	10/22/2018	$1,200	Paid
205977054	10/22/2018	$750	Paid
205976825	10/19/2018	$1,800	Paid
205976880	10/22/2018	$750	Paid
205976899	10/22/2018	$750	paid
206009540	10/22/2018	$750	paid
206009522	10/22/2018	$1,200	paid
205976908	10/22/2018	$1,200	paid
205973772	10/22/2018	$250	paid
206002107	10/22/2018	$750	paid
205973763	10/22/2018	$1,200	paid
205972609	10/10/2018	$750	paid
205971691	10/3/2018	$1,200	paid
205971700	10/3/2018	$1,500	paid
205971710	10/3/2018	$750	paid
205977063	10/22/2018	$250	Paid
205971298	9/18/2018	$750	Paid
205971316	9/18/2018	$750	Paid
205971307	9/18/2018	$1,200	Paid
205971325	9/19/2018	$1,200	Paid
205971343	9/21/2018	$750	Paid
205972324	9/20/2018	$750	Paid
205973819	10/10/2018	$250	Paid

205975267	9/20/2018	$500	Paid
205977870	11/1/2018	$250	Paid
205999274	11/12/2018	$250	Paid
205999283	11/12/2018	$250	Paid
206001759	9/18/2018	$750	Paid
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701702440	10/15/2018	$1,200	Paid
701702430	10/15/2018	$1,200	Paid
701699534	10/13/2018	$1,200	Paid
701699252	10/13/2018	$1,200	Paid
701699213	10/11/2018	$1,200	Paid
701699204	10/11/2018	$1,200	Paid
701697554	10/10/2018	$1,200	Paid
701697545	10/10/2018	$1,200	Paid
207736816	11/25/2018	$250	Paid
207736807	11/25/2018	$1,200	Paid
207736798	11/25/2018	$1,200	Paid
207736789	11/25/2018	$1,200	Paid
205998641	11/23/2018	$1,200	Paid
205998385	11/19/2018	$250	Paid
205998311	11/18/2018	$750	Paid
205998302	11/18/2018	$250	Paid
205978365	11/6/2018	$750	Paid
205978338	11/6/2018	$750	Paid
205978329	11/6/2018	$1,200	Paid
205978163	11/7/2018	$750	Paid
205978154	11/7/2018	$1,200	Paid
205977860	10/31/2018	$750	Paid
205976733	11/1/2018	$250	Paid
205976650	10/27/2018	$750	Paid
205973221	11/6/2018	$750	Paid
205973222	11/6/2018	$750	Paid
205973213	11/6/2018	$1,200	Paid
207734928	12/14/2018	$1,200	Paid
205998248	12/5/2018	$750	Paid
205998257	12/5/2018	$250	Paid
205998852	12/5/2018	$250	Paid
205999999	12/5/2018	$1,800	Paid
207736917	12/1/2018	$1,200	Paid
207736926	12/1/2018	$750	Paid
207736935	12/1/2018	$250	Paid
207736944	12/1/2018	$1,200	Paid
207736953	12/1/2018	$750	Paid
207736962	12/1/2018	$750	Paid
207737027	12/1/2018	$1,200	Paid
207737036	12/1/2018	$750	Paid
207737045	12/1/2018	$750	Paid

205971729	10/3/2018	$3,600	Paid
207730692	12/11/2018	$250	Paid
207730701	12/11/2018	$750	Paid
205998908	12/6/2018	$1,200	Paid
205999449	12/8/2018	$1,500	Paid
206009679	12/8/2018	$1,200	Paid
206009688	12/8/2018	$750	Paid
206009697	12/8/2018	$750	Paid
206009706	12/8/2018	$500	Paid
206009715	12/8/2018	$250	Paid
206009724	12/8/2018	$250	Paid
207730674	12/10/2018	$750	Paid
207730683	12/10/2018	$250	Paid
207730665	12/10/2018	$1,800	Paid
207730849	12/6/2018	$500	Paid
207730858	12/6/2018	$1,800	Paid
207730867	12/6/2018	$750	Paid
207732847	12/9/2018	$1,200	Paid
207732856	12/9/2018	$750	Paid
207732865	12/9/2018	$750	Paid
207732874	12/9/2018	$250	Paid
207732993	12/11/2018	$750	Paid
207733058	12/7/2018	$1,200	Paid
207733076	12/8/2018	$750	Paid
207733269	12/7/2018	$1,200	Paid
207733800	12/10/2018	$1,800	Paid
207733819	12/10/2018	$750	Paid
207734762	12/9/2018	$750	Paid
207734771	12/9/2018	$100	Paid
207736504	12/9/2018	$1,200	Paid
207737512	12/17/2018	$1,230	Paid
207737521	12/17/2018	$280	Paid
207737669	12/20/2018	$750	Paid
207733195	12/13/2018	$280	Paid
207733864	12/13/2018	$1,830	Paid
207733873	12/13/2018	$780	Paid
207733882	12/13/2018	$280	Paid
207733891	12/13/2018	$780	Paid
207733900	12/13/2018	$780	Paid
207733956	12/13/2018	$780	Paid
207730977	12/15/2018	$780	Paid
207730986	12/15/2018	$780	Paid
207730995	12/15/2018	$780	Paid
207731004	12/15/2018	$1,830	Paid
207733186	12/15/2018	$780	Paid
207733204	12/15/2018	$530	Paid
207733222	12/15/2018	$780	Paid

207734057	12/15/2018	$780	Paid
207734066	12/15/2018	$280	Paid
207734075	12/15/2018	$1,230	Paid
207734093	12/15/2018	$1,230	Paid
207733983	12/17/2018	$1,230	Paid
207733992	12/17/2018	$780	Paid
207734084	12/17/2018	$280	Paid
207734102	12/17/2018	$1,230	Paid
207734111	12/17/2018	$1,230	Paid
207734120	12/17/2018	$780	Paid
207734130	12/17/2018	$780	Paid
207734149	12/17/2018	$780	Paid
207737559	12/18/2018	$1,230	Paid
207737568	12/18/2018	$1,230	Paid
207737577	12/18/2018	$1,230	Paid
207737595	12/18/2018	$280	Paid
207737604	12/18/2018	$780	Paid
207737622	12/18/2018	$780	Paid
207737631	12/18/2018	$1,230	Paid
207737640	12/18/2018	$780	Paid
207738264	12/18/2018	$1,830	Paid
207738273	12/18/2018	$780	Paid
207738282	12/18/2018	$780	Paid
207738291	12/18/2018	$280	Paid
207737586	12/18/2018	$780	Paid
207738145	1/7/2019	$250	Paid
207738136	1/7/2019	$750	Paid
207738109	1/5/2019	$750	Paid
207743544	1/5/2019	$750	Paid
207750896	2/7/2019	$750	paid
207756020	2/26/2019	$750	paid
207756048	2/26/2019	$1,200	paid
701798846	12/17/2018	$750	paid
701805877	12/19/2018	$750	paid
701826685	1/16/2019	$750	paid
701835952	1/29/2019	$250	paid
701842617	2/1/2019	$250	paid
701824806	1/6/2019	$1,200	paid
20499307	10/31/2018	$276	Paid
206002125	10/7/2018	$2,410	paid
207748961	1/22/2019	$750	paid
701825026	1/16/2019	$750	paid
701824907	1/16/2019	$750	paid
701715448	10/23/2018	$250	paid
701702504	10/14/2018	$1,230	paid
207754526	2/2/2019	$1,530	paid
0207724083	4/9/2019	$250	paid

205977860	10/31/2018	$1,528.47	paid
701882913	3/31/2019	$1,230	paid
701883151	3/29/2019	$1,230	paid
207739245	3/29/2019	$3,600	paid
701883142	3/29/2019	$1,230	Paid
205981124	4/3/2019	$750	Paid
196585721	2/14/2019	$3,600	paid
207754571	2/23/2019	$2,250	paid
207756039	2/26/2019	$750	paid
207754562	2/23/2019	$350	paid
701860244	2/21/2019	$2,250	paid
207748943	1/22/2019	$1,800	paid
207748952	1/22/2019	$750	paid
207748970	1/22/2019	$150	paid
702030973	7/16/2019	$1,800	paid
702030982	7/16/2019	$1,800	paid
209473853	8/5/2019	$750	paid
701815410	1/3/2019	$1,528.47	paid
207749190	2/17/2019	$2,427.22	paid
7019249234	5/22/2019	$1,200	paid
702005417	7/1/2019	$780	paid
702024896	7/13/2019	$780	paid
701991254	6/19/2019	$780	paid
702087459	8/22/2019	$750	paid
702103674	8/31/2019	$750	paid
702007067	6/29/2019	$780	paid
702024914	7/13/2019	$780	paid
702059005	8/9/2019	$750	paid
209344713	10/7/2019	$750	paid
702121292	9/12/2019	$1,500	paid
702122970	9/12/2019	$1,500	paid
209343449	9/25/2019	$1,200	paid
701977459	6/7/2019	$3,600	paid
209343292	9/24/2019	$1,200	paid
702264366	12/4/2019	$250	paid
00286235Z	10/18/2019	$2,800	paid
701967265	6/5/2019	$750	paid
701968062	6/5/2019	$750	paid
701967274	6/5/2019	$750	paid
209471130	7/23/2019	$3,600	paid
701968053	6/5/2019	$750	paid
702192435	10/24/2019	$280	paid
000664868Y	10/18/2019	$350	paid
000664806Z	11/8/2019	$440	paid

STATE OF ILLINOIS
FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

The Financial Disclosures and Conflicts of Interest form ("form") must be accurately completed and submitted by the vendor, parent entity(ies), and subcontractors. There are **nine** steps to this form and each must be completed as instructed in the step heading and within the step. A bid or offer that does not include this form shall be considered non-responsive. The Agency will consider this form when evaluating the bid or offer or awarding the contract.

The requirement of disclosure of financial interests and conflicts of interest is a continuing obligation. If circumstances change and the disclosure is no longer accurate, then disclosing entities must provide an updated form.

Separate forms are required for the vendor, parent entity(ies), and subcontractors.

This disclosure is submitted for:

☐ Vendor

☒ Vendor's Parent Entity(ies) (100% ownership) **OHL USA, Inc. owns 100% of Vendor.**

☐ Subcontractor(s) >$50,000 (annual value)

☐ Subcontractor's Parent Entity(ies) (100% ownership) > $50,000 (annual value)

Project Name	I-490 South of Grand Ave to Wolf, Ramps S1 and S2
Illinois Procurement Bulletin Number	Click here to enter text.
Contract Number	I-17-4339
Vendor Name	Judlau Contracting, Inc.
Doing Business As (DBA)	
Disclosing Entity	OHL USA, Inc.
Disclosing Entity's Parent Entity	Obrascon Huarte Lain Construccion Internacional, S.L.
Subcontractor	NONE
Instrument of Ownership or Beneficial Interest	Corporate Stock (C-Corporation, S-Corporation, Professional Corporation, Service Corporation) ☒ If you selected Other, please describe: Click here to enter text.

STEP 1
SUPPORTING DOCUMENTATION SUBMITTAL

(All vendors complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

You must select one of the six options below and select the documentation you are submitting. You must provide the documentation that the applicable section requires with this form.

☐ Option 1 – Publicly Traded Entities

1.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

1.B. ☐ Attach a copy of the Federal 10-K or provide a web address of an electronic copy of the Federal 10-K, and skip to Step 3.

☐ Option 2 – Privately Held Entities with more than 100 Shareholders

2.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

2.B. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership share in excess of 5% and attach the information Federal 10-K reporting companies are required to report under 17 CFR 229.401.

☒ Option 3 – All other Privately Held Entities, not including Sole Proprietorships

3.A. ☒ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

☐ Option 4 – Foreign Entities

4.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

4.B. ☐ Attach a copy of the Securities Exchange Commission Form 20-F or 40-F and skip to Step 3.

☐ Option 5 – Not-for-Profit Entities

☐ Complete Step 2, Option B.

☐ Option 6 – Sole Proprietorships

☐ Skip to Step 3.

STEP 2
DISCLOSURE OF FINANCIAL INTEREST OR BOARD OF DIRECTORS

(All vendors, except sole proprietorships, must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Complete **either** Option A (for all entities other than not-for-profits) or Option B (for not-for-profits). Additional rows may be inserted into the tables or an attachment may be provided if needed.

OPTION A – Ownership Share and Distributive Income

Ownership Share – If you selected Option 1.A., 2.A., 2.B., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of ownership if said percentage exceeds 5%, or the dollar value of their ownership if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – X			
Name	**Address**	**Percentage of Ownership**	**$ Value of Ownership**
Obrascon Huarte Lain Construccion Internacional, S.L.	Paseo de la Castellana 259-D, Torre Espacio Madrid, Spain 28046	100%	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Distributive Income – If you selected Option 1.A., 2.A., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of the disclosing vendor's total distributive income if said percentage exceeds 5% of the total distributive income of the disclosing entity, or the dollar value of their distributive income if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – Y			
Name	**Address**	**% of Distributive Income**	**$ Value of Distributive Income**
Obrascon Huarte Lain Construccion Internacional, S.L.	Paseo de la Castellana 259-D, Torre Espacio Madrid, Spain 28046	100%	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please certify that the following statements are true.

I have disclosed all individuals or entities that hold an ownership interest of greater than 5% or greater than $106,447.20.

☒ Yes ☐ No

I have disclosed all individuals or entities that were entitled to receive distributive income in an amount greater than $106,447.20 or greater than 5% of the total distributive income of the disclosing entity.

☒ Yes ☐ No

OPTION B – Disclosure of Board of Directors (Not-for-Profits)

If you selected Option 5 in Step 1, list members of your board of directors. Please include an attachment if necessary.

TABLE – Z

Name	Address
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.

STEP 3
DISCLOSURE OF LOBBYIST OR AGENT

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

☐ Yes ☒ No. Is your company represented by or do you employ a lobbyist required to register under the Lobbyist Registration Act (lobbyist must be registered pursuant to the Act with the Secretary of State) or other agent who is not identified through Step 2, Option A above and who has communicated, is communicating, or may communicate with any State officer or employee concerning the bid or offer? If yes, please identify each lobbyist and agent, including the name and address below.

If you have a lobbyist that does not meet the criteria, then you do not have to disclose the lobbyist's information.

Name	Address	Relationship to Disclosing Entity
Click here to enter text.	Click here to enter text.	Click here to enter text.

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency contract: Click here to enter text.

STEP 4
PROHIBITED CONFLICTS OF INTEREST

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 4 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above. Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you hold or are you the spouse or minor child who holds an elective office in the State of Illinois or hold a seat in the General Assembly? ☐ Yes ☐ No
2. Have you, your spouse, or minor child been appointed to or employed in any offices or agencies of State government and receive compensation for such employment in excess of 60% ($106,447.20) of the salary of the Governor? ☐ Yes ☐ No
3. Are you or are you the spouse or minor child of an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority? ☐ Yes ☐ No
4. Have you, your spouse, or an immediate family member who lives in your residence currently or who lived in your residence within the last 12 months been appointed as a member of a board, commission, authority, or task force authorized or created by State law or by executive order of the Governor? ☐ Yes ☐ No
5. If you answered yes to any question in 1-4 above, please answer the following: Do you, your spouse, or minor child receive from the vendor more than 7.5% of the vendor's total distributable income or an amount of distributable income in excess of the salary of the Governor ($177,412.00)? ☐ Yes ☐ No
6. If you answered yes to any question in 1-4 above, please answer the following: Is there a combined interest of self with spouse or minor child more than 15% in the aggregate of the vendor's distributable income or an amount of distributable income in excess of two times the salary of the Governor ($354,824.00)? ☐ Yes ☐ No

STEP 5
POTENTIAL CONFLICTS OF INTEREST RELATING TO PERSONAL RELATIONSHIPS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 5 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above.

Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you currently have, or in the previous 3 years have you had State employment, including contractual employment of services? ☐ Yes ☐ No
2. Has your spouse, father, mother, son, or daughter, had State employment, including contractual employment for services, in the previous 2 years? ☐ Yes ☐ No

3.	Do you hold currently or have you held in the previous 3 years elective office of the State of Illinois, the government of the United States, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois?	☐ Yes ☐ No
4.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding elective office currently or in the previous 2 years?	☐ Yes ☐ No
5.	Do you hold or have you held in the previous 3 years any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of expenses incurred in the discharge of that office?	☐ Yes ☐ No
6.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding appointive office currently or in the previous 2 years?	☐ Yes ☐ No
7.	Do you currently have or in the previous 3 years had employment as or by any registered lobbyist of the State government?	☐ Yes ☐ No
8.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) that is or was a registered lobbyist?	☐ Yes ☐ No
9.	Do you currently have or in the previous 3 years had compensated employment by any registered election or re-election committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No
10.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) who is or was a compensated employee of any registered election or reelection committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No

STEP 6
EXPLANATION OF AFFIRMATIVE RESPONSES

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you answered "Yes" in Step 4 or Step 5, please provide on an additional page a detailed explanation that includes, but is not limited to the name, salary, State agency or university, and position title of each individual.

STEP 7
POTENTIAL CONFLICTS OF INTEREST RELATING TO DEBARMENT & LEGAL PROCEEDINGS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This step must be completed for each person disclosed in Step 2, Option A, Step 3, and for each entity and sole proprietor disclosed in Step 1.

Please provide the name of the person or entity for which responses are provided: **Obrascon Huarte Lain Construccion Internacional, S.L.; OHL USA, Inc.**

1. Within the previous ten years, have you had debarment from contracting with any governmental entity? ☐ Yes ☒ No
2. Within the previous ten years, have you had any professional licensure discipline? ☐ Yes ☒ No
3. Within the previous ten years, have you had any bankruptcies? ☐ Yes ☒ No
4. Within the previous ten years, have you had any adverse civil judgments and administrative findings? ☒ Yes ☐ No
5. Within the previous ten years, have you had any criminal felony convictions? ☐ Yes ☒ No

If you answered "Yes", please provide a detailed explanation that includes, but is not limited to the name, State agency or university, and position title of each individual. Please see attached

STEP 8
DISCLOSURE OF CURRENT AND PENDING CONTRACTS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you selected Option 1, 2, 3, 4, or 6 in Step 1, do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relat+ionships with units of State of Illinois government?

☐ Yes ☒ No.

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment may be provided if needed.

Agency	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #

Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please explain the procurement relationship: Click here to enter text.

STEP 9
SIGN THE DISCLOSURE

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This disclosure is signed, and made under penalty of perjury for all for-profit entities, by an authorized officer or employee on behalf of the bidder or offeror pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code. This disclosure information is submitted on behalf of:

Name of Disclosing Entity: OHL USA, Inc.

Signature: [redacted] Date: 5/13/2020

Printed Name: Cesar F. Pereira

Title: Secretary

Phone Number: (718)554-2320

Email Address: cesar.pereira@ohlna.com

STATE OF ILLINOIS
FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

The Financial Disclosures and Conflicts of Interest form ("form") must be accurately completed and submitted by the vendor, parent entity(ies), and subcontractors. There are **nine** steps to this form and each must be completed as instructed in the step heading and within the step. A bid or offer that does not include this form shall be considered non-responsive. The Agency will consider this form when evaluating the bid or offer or awarding the contract.

The requirement of disclosure of financial interests and conflicts of interest is a continuing obligation. If circumstances change and the disclosure is no longer accurate, then disclosing entities must provide an updated form.

Separate forms are required for the vendor, parent entity(ies), and subcontractors.

This disclosure is submitted for:

☐ Vendor

☒ Vendor's Parent Entity(ies) (100% ownership) **Obrascon Huarte Lain Construccion Internacional, S.L., Inc. owns 100% of OHL USA, Inc., which in turn owns 100% of Vendor.**

☐ Subcontractor(s) >$50,000 (annual value)

☐ Subcontractor's Parent Entity(ies) (100% ownership) > $50,000 (annual value)

Project Name	I-490 South of Grand Ave to Wolf, Ramps S1 and S2
Illinois Procurement Bulletin Number	Click here to enter text.
Contract Number	I-17-4339
Vendor Name	Judlau Contracting, Inc.
Doing Business As (DBA)	
Disclosing Entity	Obrascon Huarte Lain Construccion Internacional, S.L.
Disclosing Entity's Parent Entity	Obrascon Huarte Lain, S.A.
Subcontractor	NONE
Instrument of Ownership or Beneficial Interest	Other ☒ If you selected Other, please describe: Foreign Company

STEP 1
SUPPORTING DOCUMENTATION SUBMITTAL

(All vendors complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

You must select one of the six options below and select the documentation you are submitting. You must provide the documentation that the applicable section requires with this form.

☐ Option 1 – Publicly Traded Entities

1.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

1.B. ☐ Attach a copy of the Federal 10-K or provide a web address of an electronic copy of the Federal 10-K, and skip to Step 3.

☐ Option 2 – Privately Held Entities with more than 100 Shareholders

2.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

2.B. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership share in excess of 5% and attach the information Federal 10-K reporting companies are required to report under 17 CFR 229.401.

☐ Option 3 – All other Privately Held Entities, not including Sole Proprietorships

3.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

☒ Option 4 – Foreign Entities

4.A. ☒ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

4.B. ☐ Attach a copy of the Securities Exchange Commission Form 20-F or 40-F and skip to Step 3.

☐ Option 5 – Not-for-Profit Entities

☐ Complete Step 2, Option B.

☐ Option 6 – Sole Proprietorships

☐ Skip to Step 3.

STEP 2
DISCLOSURE OF FINANCIAL INTEREST OR BOARD OF DIRECTORS

(All vendors, except sole proprietorships, must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Complete **either** Option A (for all entities other than not-for-profits) or Option B (for not-for-profits). Additional rows may be inserted into the tables or an attachment may be provided if needed.

OPTION A – Ownership Share and Distributive Income

Ownership Share – If you selected Option 1.A., 2.A., 2.B., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of ownership if said percentage exceeds 5%, or the dollar value of their ownership if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – X			
Name	**Address**	**Percentage of Ownership**	**$ Value of Ownership**
Obrascon Huarte Lain, S.A.	Paseo de la Castellana 259-D, Torre Espacio Madrid, Spain 28046	100%	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Distributive Income – If you selected Option 1.A., 2.A., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of the disclosing vendor's total distributive income if said percentage exceeds 5% of the total distributive income of the disclosing entity, or the dollar value of their distributive income if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – Y			
Name	**Address**	**% of Distributive Income**	**$ Value of Distributive Income**
Obrascon Huarte Lain, S.A.	Paseo de la Castellana 259-D, Torre Espacio Madrid, Spain 28046	100%	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please certify that the following statements are true.

I have disclosed all individuals or entities that hold an ownership interest of greater than 5% or greater than $106,447.20.

☒ Yes ☐ No

I have disclosed all individuals or entities that were entitled to receive distributive income in an amount greater than $106,447.20 or greater than 5% of the total distributive income of the disclosing entity.

☒ Yes ☐ No

OPTION B – Disclosure of Board of Directors (Not-for-Profits)

If you selected Option 5 in Step 1, list members of your board of directors. Please include an attachment if necessary.

TABLE – Z

Name	Address
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.

STEP 3
DISCLOSURE OF LOBBYIST OR AGENT

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

☐ Yes ☒ No. Is your company represented by or do you employ a lobbyist required to register under the Lobbyist Registration Act (lobbyist must be registered pursuant to the Act with the Secretary of State) or other agent who is not identified through Step 2, Option A above and who has communicated, is communicating, or may communicate with any State officer or employee concerning the bid or offer? If yes, please identify each lobbyist and agent, including the name and address below.

If you have a lobbyist that does not meet the criteria, then you do not have to disclose the lobbyist's information.

Name	Address	Relationship to Disclosing Entity
Click here to enter text.	Click here to enter text.	Click here to enter text.

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency contract: Click here to enter text.

STEP 4
PROHIBITED CONFLICTS OF INTEREST

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 4 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above. Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you hold or are you the spouse or minor child who holds an elective office in the State of Illinois or hold a seat in the General Assembly? ☐ Yes ☐ No
2. Have you, your spouse, or minor child been appointed to or employed in any offices or agencies of State government and receive compensation for such employment in excess of 60% ($106,447.20) of the salary of the Governor? ☐ Yes ☐ No
3. Are you or are you the spouse or minor child of an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority? ☐ Yes ☐ No
4. Have you, your spouse, or an immediate family member who lives in your residence currently or who lived in your residence within the last 12 months been appointed as a member of a board, commission, authority, or task force authorized or created by State law or by executive order of the Governor? ☐ Yes ☐ No
5. If you answered yes to any question in 1-4 above, please answer the following: Do you, your spouse, or minor child receive from the vendor more than 7.5% of the vendor's total distributable income or an amount of distributable income in excess of the salary of the Governor ($177,412.00)? ☐ Yes ☐ No
6. If you answered yes to any question in 1-4 above, please answer the following: Is there a combined interest of self with spouse or minor child more than 15% in the aggregate of the vendor's distributable income or an amount of distributable income in excess of two times the salary of the Governor ($354,824.00)? ☐ Yes ☐ No

STEP 5
POTENTIAL CONFLICTS OF INTEREST RELATING TO PERSONAL RELATIONSHIPS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 5 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above.

Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you currently have, or in the previous 3 years have you had State employment, including contractual employment of services? ☐ Yes ☐ No
2. Has your spouse, father, mother, son, or daughter, had State employment, including contractual employment for services, in the previous 2 years? ☐ Yes ☐ No

3.	Do you hold currently or have you held in the previous 3 years elective office of the State of Illinois, the government of the United States, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois?	☐ Yes ☐ No
4.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding elective office currently or in the previous 2 years?	☐ Yes ☐ No
5.	Do you hold or have you held in the previous 3 years any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of expenses incurred in the discharge of that office?	☐ Yes ☐ No
6.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding appointive office currently or in the previous 2 years?	☐ Yes ☐ No
7.	Do you currently have or in the previous 3 years had employment as or by any registered lobbyist of the State government?	☐ Yes ☐ No
8.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) that is or was a registered lobbyist?	☐ Yes ☐ No
9.	Do you currently have or in the previous 3 years had compensated employment by any registered election or re-election committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No
10.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) who is or was a compensated employee of any registered election or reelection committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No

STEP 6
EXPLANATION OF AFFIRMATIVE RESPONSES

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you answered "Yes" in Step 4 or Step 5, please provide on an additional page a detailed explanation that includes, but is not limited to the name, salary, State agency or university, and position title of each individual.

STEP 7
POTENTIAL CONFLICTS OF INTEREST
RELATING TO DEBARMENT & LEGAL PROCEEDINGS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This step must be completed for each person disclosed in Step 2, Option A, Step 3, and for each entity and sole proprietor disclosed in Step 1.

Please provide the name of the person or entity for which responses are provided: **Obrascon Huarte Lain, S.A.; Obrascon Huarte Lain Construccion Internacional, S.L.**

1. Within the previous ten years, have you had debarment from contracting with any governmental entity? ☐ Yes ☒ No
2. Within the previous ten years, have you had any professional licensure discipline? ☐ Yes ☒ No
3. Within the previous ten years, have you had any bankruptcies? ☐ Yes ☒ No
4. Within the previous ten years, have you had any adverse civil judgments and administrative findings? ☐ Yes ☒ No
5. Within the previous ten years, have you had any criminal felony convictions? ☐ Yes ☒ No

If you answered "Yes", please provide a detailed explanation that includes, but is not limited to the name, State agency or university, and position title of each individual. Please see attached

STEP 8
DISCLOSURE OF CURRENT AND PENDING CONTRACTS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you selected Option 1, 2, 3, 4, or 6 in Step 1, do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relat+ionships with units of State of Illinois government?

☐ Yes ☒ No.

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment may be provided if needed.

Agency	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #

Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please explain the procurement relationship: Click here to enter text.

STEP 9
SIGN THE DISCLOSURE

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This disclosure is signed, and made under penalty of perjury for all for-profit entities, by an authorized officer or employee on behalf of the bidder or offeror pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code. This disclosure information is submitted on behalf of:

Name of Disclosing Entity: Obrascon Huarte Lain Construccion Internacional, S.L.

[redacted]

Signature:_____ Date: 05.13.2020

Printed Name: Enrique Gil Cerezo

Title: Estimating and Tendering Director

Phone Number: +34 913 48 43 99

Email Address: gile@ohl.es

STATE OF ILLINOIS
FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST

The Financial Disclosures and Conflicts of Interest form ("form") must be accurately completed and submitted by the vendor, parent entity(ies), and subcontractors. There are **nine** steps to this form and each must be completed as instructed in the step heading and within the step. A bid or offer that does not include this form shall be considered non-responsive. The Agency will consider this form when evaluating the bid or offer or awarding the contract.

The requirement of disclosure of financial interests and conflicts of interest is a continuing obligation. If circumstances change and the disclosure is no longer accurate, then disclosing entities must provide an updated form.

Separate forms are required for the vendor, parent entity(ies), and subcontractors.

This disclosure is submitted for:

☐ Vendor

☒ Vendor's Parent Entity(ies) (100% ownership) **Obrascon Huarte Lain, S.A. owns 100% of Obrascon Huarte Lain Construccion Internacional, S.L., Inc. which in turn owns 100% of OHL USA, Inc., which in turn owns 100% of Vendor.**

☐ Subcontractor(s) >$50,000 (annual value)

☐ Subcontractor's Parent Entity(ies) (100% ownership) > $50,000 (annual value)

Project Name	I-490 South of Grand Ave to Wolf, Ramps S1 and S2
Illinois Procurement Bulletin Number	Click here to enter text.
Contract Number	I-17-4339
Vendor Name	Judlau Contracting, Inc.
Doing Business As (DBA)	
Disclosing Entity	Obrascon Huarte Lain, S.A.
Disclosing Entity's Parent Entity	N/A
Subcontractor	NONE
Instrument of Ownership or Beneficial Interest	Other ☒ If you selected Other, please describe: Publicly Traded Foreign Company

STEP 1
SUPPORTING DOCUMENTATION SUBMITTAL

(All vendors complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

You must select one of the six options below and select the documentation you are submitting. You must provide the documentation that the applicable section requires with this form.

☐ Option 1 – Publicly Traded Entities

1.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

1.B. ☐ Attach a copy of the Federal 10-K or provide a web address of an electronic copy of the Federal 10-K, and skip to Step 3.

☐ Option 2 – Privately Held Entities with more than 100 Shareholders

2.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

2.B. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership share in excess of 5% and attach the information Federal 10-K reporting companies are required to report under 17 CFR 229.401.

☐ Option 3 – All other Privately Held Entities, not including Sole Proprietorships

3.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

☒ Option 4 – Foreign Entities

4.A. ☐ Complete Step 2, Option A for each qualifying individual or entity holding any ownership or distributive income share in excess of 5% or an amount greater than 60% ($106,447.20) of the annual salary of the Governor.

OR

4.B. ☒ Attach a copy of the Securities Exchange Commission Form 20-F or 40-F and skip to Step 3.

☐ Option 5 – Not-for-Profit Entities

☐ Complete Step 2, Option B.

☐ Option 6 – Sole Proprietorships

☐ Skip to Step 3.

STEP 2
DISCLOSURE OF FINANCIAL INTEREST OR BOARD OF DIRECTORS

(All vendors, except sole proprietorships, must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Complete **either** Option A (for all entities other than not-for-profits) or Option B (for not-for-profits). Additional rows may be inserted into the tables or an attachment may be provided if needed.

OPTION A – Ownership Share and Distributive Income

Ownership Share – If you selected Option 1.A., 2.A., 2.B., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of ownership if said percentage exceeds 5%, or the dollar value of their ownership if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – X			
Name	**Address**	**Percentage of Ownership**	**$ Value of Ownership**
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Distributive Income – If you selected Option 1.A., 2.A., 3.A., or 4.A. in Step 1, provide the name and address of each individual or entity and their percentage of the disclosing vendor's total distributive income if said percentage exceeds 5% of the total distributive income of the disclosing entity, or the dollar value of their distributive income if said dollar value exceeds $106,447.20.

☐ Check here if including an attachment with requested information in a format substantially similar to the format below.

TABLE – Y			
Name	**Address**	**% of Distributive Income**	**$ Value of Distributive Income**
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please certify that the following statements are true.

I have disclosed all individuals or entities that hold an ownership interest of greater than 5% or greater than $106,447.20.

☐ Yes ☐ No

I have disclosed all individuals or entities that were entitled to receive distributive income in an amount greater than $106,447.20 or greater than 5% of the total distributive income of the disclosing entity.

☐ Yes ☐ No

OPTION B – Disclosure of Board of Directors (Not-for-Profits)

If you selected Option 5 in Step 1, list members of your board of directors. Please include an attachment if necessary.

TABLE – Z

Name	Address
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.

STEP 3
DISCLOSURE OF LOBBYIST OR AGENT

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

☐ Yes ☒ No. Is your company represented by or do you employ a lobbyist required to register under the Lobbyist Registration Act (lobbyist must be registered pursuant to the Act with the Secretary of State) or other agent who is not identified through Step 2, Option A above and who has communicated, is communicating, or may communicate with any State officer or employee concerning the bid or offer? If yes, please identify each lobbyist and agent, including the name and address below.

If you have a lobbyist that does not meet the criteria, then you do not have to disclose the lobbyist's information.

Name	Address	Relationship to Disclosing Entity
Click here to enter text.	Click here to enter text.	Click here to enter text.

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency contract: Click here to enter text.

STEP 4
PROHIBITED CONFLICTS OF INTEREST

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 4 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above. Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you hold or are you the spouse or minor child who holds an elective office in the State of Illinois or hold a seat in the General Assembly? ☐ Yes ☐ No
2. Have you, your spouse, or minor child been appointed to or employed in any offices or agencies of State government and receive compensation for such employment in excess of 60% ($106,447.20) of the salary of the Governor? ☐ Yes ☐ No
3. Are you or are you the spouse or minor child of an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority? ☐ Yes ☐ No
4. Have you, your spouse, or an immediate family member who lives in your residence currently or who lived in your residence within the last 12 months been appointed as a member of a board, commission, authority, or task force authorized or created by State law or by executive order of the Governor? ☐ Yes ☐ No
5. If you answered yes to any question in 1-4 above, please answer the following: Do you, your spouse, or minor child receive from the vendor more than 7.5% of the vendor's total distributable income or an amount of distributable income in excess of the salary of the Governor ($177,412.00)? ☐ Yes ☐ No
6. If you answered yes to any question in 1-4 above, please answer the following: Is there a combined interest of self with spouse or minor child more than 15% in the aggregate of the vendor's distributable income or an amount of distributable income in excess of two times the salary of the Governor ($354,824.00)? ☐ Yes ☐ No

STEP 5
POTENTIAL CONFLICTS OF INTEREST RELATING TO PERSONAL RELATIONSHIPS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

Step 5 must be completed for each person disclosed in Step 2, Option A and for sole proprietors identified in Step 1, Option 6 above.

Please provide the name of the person for which responses are provided: Click here to enter text.

1. Do you currently have, or in the previous 3 years have you had State employment, including contractual employment of services? ☐ Yes ☐ No
2. Has your spouse, father, mother, son, or daughter, had State employment, including contractual employment for services, in the previous 2 years? ☐ Yes ☐ No

3.	Do you hold currently or have you held in the previous 3 years elective office of the State of Illinois, the government of the United States, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois?	☐ Yes ☐ No
4.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding elective office currently or in the previous 2 years?	☐ Yes ☐ No
5.	Do you hold or have you held in the previous 3 years any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of expenses incurred in the discharge of that office?	☐ Yes ☐ No
6.	Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding appointive office currently or in the previous 2 years?	☐ Yes ☐ No
7.	Do you currently have or in the previous 3 years had employment as or by any registered lobbyist of the State government?	☐ Yes ☐ No
8.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) that is or was a registered lobbyist?	☐ Yes ☐ No
9.	Do you currently have or in the previous 3 years had compensated employment by any registered election or re-election committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No
10.	Do you currently have or in the previous 2 years had a relationship to anyone (spouse, father, mother, son, or daughter) who is or was a compensated employee of any registered election or reelection committee registered with the Secretary of State or any county clerk in the State of Illinois, or any political action committee registered with either the Secretary of State or the Federal Board of Elections?	☐ Yes ☐ No

STEP 6
EXPLANATION OF AFFIRMATIVE RESPONSES

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you answered "Yes" in Step 4 or Step 5, please provide on an additional page a detailed explanation that includes, but is not limited to the name, salary, State agency or university, and position title of each individual.

STEP 7
POTENTIAL CONFLICTS OF INTEREST RELATING TO DEBARMENT & LEGAL PROCEEDINGS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This step must be completed for each person disclosed in Step 2, Option A, Step 3, and for each entity and sole proprietor disclosed in Step 1.

Please provide the name of the person or entity for which responses are provided: **Obrascon Huarte Lain, S.A.**

1. Within the previous ten years, have you had debarment from contracting with any governmental entity? ☐ Yes ☒ No
2. Within the previous ten years, have you had any professional licensure discipline? ☐ Yes ☒ No
3. Within the previous ten years, have you had any bankruptcies? ☐ Yes ☒ No
4. Within the previous ten years, have you had any adverse civil judgments and administrative findings? ☒ Yes ☐ No
5. Within the previous ten years, have you had any criminal felony convictions? ☐ Yes ☒ No

If you answered "Yes", please provide a detailed explanation that includes, but is not limited to the name, State agency or university, and position title of each individual. Please see attached

STEP 8
DISCLOSURE OF CURRENT AND PENDING CONTRACTS

(Complete only if bid, offer, or contract has an annual value over $50,000)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

If you selected Option 1, 2, 3, 4, or 6 in Step 1, do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relat+ionships with units of State of Illinois government?

☐ Yes ☒ No.

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment may be provided if needed.

Agency	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Please explain the procurement relationship: Click here to enter text.

STEP 9
SIGN THE DISCLOSURE

(All vendors must complete regardless of annual bid, offer, or contract value)
(Subcontractors with subcontract annual value of more than $50,000 must complete)

This disclosure is signed, and made under penalty of perjury for all for-profit entities, by an authorized officer or employee on behalf of the bidder or offeror pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code. This disclosure information is submitted on behalf of:

Name of Disclosing Entity: Obrascon Huarte Lain, S.A.

[redacted]

Signature: _____ Date: 05.13.2020

Printed Name: Enrique Gil Cerezo

Title: Estimating and Tendering Director

Phone Number: +34 913 48 43 99

Email Address: gile@ohl.es

State of Illinois Chief Procurement Office

Financial Disclosures and Conflicts of Interest

STEP 7 - Q4 POTENTIAL CONFLICTS OF INTEREST RELATING TO DEBARMENT & LEGAL PROCEEDINGS

4. Within the previous ten years, have you had any adverse civil judgments and administrative findings?

As with most construction companies, there may be, within the previous ten years, minor adverse civil judgments and administrative findings against Obrascón Huarte Lain, S.A. (the "**Disclosing Entity**") in the ordinary course of its operations, none of which prevent the company from being able to comply with its contractual obligations or undertake new projects.

As a listed company on the secondary market of the Madrid and Barcelona Stock Exchanges (Spain), the Disclosing Entity's equity and financial position results from the *Consolidated Financial Statements and Consolidated Director's Report together with Independent Auditor's Report for Obrascon Huarte Lain, S.A. and Subsidiaries* (the "**Group**") for the year ended 31 December 2018, audited by Deloitte, S.L. on April 1, 2019 and prepared in accordance with the International Financial Reporting Standards as adopted by the European Union and the other provisions of the regulatory financing reporting framework applicable to the Group. Additionally, please see enclosed the *Interim Condensed Consolidated Financial Statements and Interim Director's Report for the six-month period ended 30 June 2019* audited by Deloitte, S.L. on July 29, 2019.

The Consolidated Financial Statements state the most salient lawsuits arising from the ordinary course of its operations at the end of 2018 and the interim report gives updated information for the first half of 2019. In addition to this litigation, the Disclosing Entity is involved in other minor lawsuits arising from the ordinary course of its operations, none of which are for a significant individual amount. Consolidated Financial Statements of the Disclosing Entity and its subsidiaries are available on the Disclosing Entity's website (www.ohl.es) and are hereby attached for your convenience.

Obrascón Huarte Lain, S.A. and Subsidiaries

Consolidated Financial Statements for the year ended 31 December 2019 and Consolidated Directors' Report, together with Independent Auditor's Report

Translation of a report originally issued in Spanish based on our work performed in accordance with the audit regulations in force in Spain and of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

Deloitte, S.L.
Plaza Pablo Ruiz Picasso, 1
Torre Picasso
28020 Madrid
España

Tel: +34 915 14 50 00
Fax: +34 915 14 51 80
www.deloitte.es

Translation of a report originally issued in Spanish based on our work performed in accordance with the audit regulations in force in Spain and of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

INDEPENDENT AUDITOR'S REPORT ON CONSOLIDATED FINANCIAL STATEMENTS

To the Shareholders of Obrascón Huarte Lain, S.A.,

Opinion

We have audited the consolidated financial statements of Obrascón Huarte Lain, S.A. (the Parent) and its subsidiaries (the Group), which comprise the consolidated balance sheet as at 31 December 2019, and the consolidated statement of profit or loss, consolidated statement of comprehensive income, consolidated statement of changes in equity, consolidated statement of cash flows and notes to the consolidated financial statements for the year then ended.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated equity and consolidated financial position of the Group as at 31 December 2019, and its consolidated results and its consolidated cash flows for the year then ended in accordance with International Financial Reporting Standards as adopted by the European Union (EU-IFRSs) and the other provisions of the regulatory financial reporting framework applicable to the Group in Spain.

Basis for Opinion

We conducted our audit in accordance with the audit regulations in force in Spain. Our responsibilities under those regulations are further described in the *Auditor's Responsibilities for the Audit of the Consolidated Financial Statements* section of our report.

We are independent of the Group in accordance with the ethical requirements, including those pertaining to independence, that are relevant to our audit of the consolidated financial statements in Spain pursuant to the audit regulations in force. In this regard, we have not provided any services other than those relating to the audit of financial statements and there have not been any situations or circumstances that, in accordance with the aforementioned audit regulations, might have affected the requisite independence in such a way as to compromise our independence.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Material Uncertainty Related to Going Concern

As described in Note 4.2.1. to the accompanying consolidated financial statements, the Group's liquidity position has decreased in recent years mainly as a result of the fund requirements of certain loss-making projects, although it trusts that the future achievement of its business plan, as substantially occurred in 2019, together with the financial control measures adopted, the available financial resources and the resources it expects to obtain once the conditions attaching to the disbursement of the financing facility described in Note 4.2.1. have been fulfilled will enable it to reverse this situation and meet its obligations. The aforementioned business plan envisages increases in the profitability of the projects, recurring contracting of future business projects, the optimisation of the Group's working capital management and an improvement in the financial position including, inter alia, the collection of receivables from related entities and divestments of non-strategic assets.

In this context, taking into account also the health crisis described in Note 5, possible failures to meet the objectives envisaged in the aforementioned plan may significantly affect the Group's ability to meet its future financial obligations, which means that a material uncertainty exists that may cast significant doubt on the Group's ability to continue as a going concern. Our opinion is not modified in respect of this matter.

Emphasis of Matters

As indicated in Note 3.6 to the accompanying consolidated financial statements, the Group has non-current financial assets amounting to EUR 204 million associated with the investment in the concession operator Cercanías Móstoles - Navalcarnero, S.A., in liquidation. In this regard, the evolution of the main events that have occurred in relation to the liquidation process is disclosed in Note 4.6.2., including the latest judgments favourable to the Group's interests, against which the Autonomous Community Government of Madrid has appealed. In this connection, the recoverability of the aforementioned investment is subject to the positive outcome of the liquidation process and to the realisation of the Group's economic rights associated with the aforementioned concession operator.

Also, Note 4.6.2. to the accompanying consolidated financial statements refers to the arbitration process in which the Group is involved in relation to the Sidra Hospital (Qatar) project. In this regard, although Note 4.6.2. indicates that partial awards have been given, the arbitration as a whole has not yet been resolved.

Also, as indicated in Note 3.10. to the accompanying consolidated financial statements, the Parent of the Group has granted loans to its main shareholder and companies related to it for a total amount of EUR 126 million, maturing in 2020, for which the Group analysed the credit risk of the counterparties and the recoverability of which is linked to the achievement of a divestment plan of the debtor.

In this context, at the reporting date there were several uncertainties that could affect the ultimate outcome of the three matters indicated above and, therefore, the estimates made by the Parent's directors could be significantly modified in the future. Our opinion is not modified in respect of this matter.

Key Audit Matters

Key audit matters are those matters that, in our professional judgement, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

In addition to the matter described in the *Material Uncertainty Related to Going Concern* section, we have determined the matters described below to be the key audit matters to be communicated in our report.

Recognition of revenue from long-term contracts and of amounts to be billed for work performed

Description

The Group uses the percentage of completion method to recognise revenue from long-term construction contracts.

This revenue recognition method was a key matter in our audit since it affects the valuation of the amounts to be billed for work performed (totalling EUR 400 million at 31 December 2019) and a very significant amount of total consolidated revenue, and requires Group management to make significant estimates relating mainly to the expected outcome of the contract, the amount of costs yet to be incurred, the measurement of the work completed in the period and the probability of recovering the amounts of claims and modifications to the initial contract. It should be noted in this connection that the Group recognises contract modifications and claims when it has received approval for them from the customer. Also, if the parties have agreed to a modification, but the related price has yet to be determined, the corresponding revenue is recognised for an amount in relation to which it is highly probable that a significant reversal therein will not occur when the uncertainty associated therewith is resolved.

These judgements and estimates are made by the persons in charge of performing the construction work, are subsequently reviewed at the various levels of the organisation and are submitted to controls designed to ensure the consistency and reasonableness of the criteria applied. In this connection, the construction project budgets, contract variations and claims or damage caused affecting the judgements and estimates must be very closely monitored.

Procedures applied in the audit

Our audit procedures included a detailed analysis of a selection of projects, based on qualitative and quantitative factors, in order to evaluate the reasonableness of the assumptions and hypotheses used by the Group. For this purpose, we held meetings with technical personnel of the Group and involved our internal infrastructure project specialists in order to evaluate, for certain significant projects, both the reasonableness of the assumptions and hypotheses used in updating the estimated costs, and the consistency of the stage of completion in relation to the actual units of work completed. We also reviewed the estimates made by the Group in 2018 with respect to the actual data for the contracts in 2019.

As regards the amounts to be billed for work performed, we analysed whether the recognition of revenue from work in progress that had not been approved by the end customer was appropriate in light of the applicable accounting framework. To this end, and in order to obtain evidence about the recoverability of the collection rights arising from contract modifications and claims, we evaluated the internal and external evidence provided by management. With respect to a selection of contracts based on qualitative and quantitative factors, we analysed the reasonableness of the most significant positions.

Lastly, we verified that the notes to the accompanying consolidated financial statements included the related disclosures required by the financial reporting framework. In this regard, the disclosures in Notes 2.6.15., 3.9. and 3.23. to the consolidated financial statements in connection with this matter are in conformity with those required by the applicable accounting regulations.

Other Information: Consolidated Directors' Report

The other information comprises only the consolidated directors' report for 2019, the preparation of which is the responsibility of the Parent's directors and which does not form part of the consolidated financial statements.

Our audit opinion on the consolidated financial statements does not cover the consolidated directors' report. Our responsibility relating to the information contained in the consolidated directors' report is defined in the audit regulations in force, which establish two distinct levels of review:

a) A specific level that applies to the consolidated non-financial information statement, as well as to certain information included in the Corporate Governance Report, as defined in Article 35.2.b) of Spanish Audit Law 22/2015, which consists solely of checking that the aforementioned information has been provided in the consolidated directors' report and, if this is not the case, reporting this fact.

b) A general level applicable to the other information included in the consolidated directors' report, which consists of evaluating and reporting on whether the aforementioned information is consistent with the consolidated financial statements, based on the knowledge of the Group obtained in the audit of those consolidated financial statements and excluding any information other than that obtained as evidence during the audit, as well as evaluating and reporting on whether the content and presentation of the consolidated directors' report are in conformity with the applicable regulations. If, based on the work we have performed, we conclude that there are material misstatements, we are required to report that fact.

Based on the work performed, as described in the preceding paragraphs, we observed that the specific information described in section a) above had been provided and that the other information in the consolidated directors' report was consistent with that contained in the consolidated financial statements for 2019 and its content and presentation were in conformity with the applicable regulations.

Responsibilities of the Directors and Audit Committee of the Parent for the Consolidated Financial Statements

The Parent's directors are responsible for preparing the accompanying consolidated financial statements so that they present fairly the Group's consolidated equity, consolidated financial position and consolidated results in accordance with EU-IFRSs and the other provisions of the regulatory financial reporting framework applicable to the Group in Spain, and for such internal control as the directors determine is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, the Parent's directors are responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the Group or to cease operations, or have no realistic alternative but to do so.

The Parent's audit committee is responsible for overseeing the process involved in the preparation and presentation of the consolidated financial statements.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the audit regulations in force in Spain will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

A further description of our responsibilities for the audit of the consolidated financial statements is included in Appendix I to this auditor's report. This description, which is on pages 6 and 7, forms part of our auditor's report.

Report on Other Legal and Regulatory Requirements

Additional Report to the Parent's Audit Committee

The opinion expressed in this report is consistent with the content of our additional report to the Parent's audit committee dated 5 May 2020.

Engagement Period

The Annual General Meeting held on 28 May 2019 appointed us as auditors for a period of one year from the year ended 31 December 2018, i.e., for 2019.

Previously, we were designated pursuant to a resolution of the General Meeting for the period of one year and have been auditing the financial statements uninterruptedly since the year ended 31 December 1990, taking into account the content of Article 17.8 of Regulation (EU) No 537/2014 on specific requirements regarding statutory audit of public-interest entities.

DELOITTE, S.L.
Registered in R.O.A.C. under no. S0692

[redacted]

Antonio Sánchez-Covisa Martín-González
Registered in R.O.A.C. under no. 21.251

5 May 2020

Appendix I to our auditor's report

Further to the information contained in our auditor's report, in this Appendix we include our responsibilities in relation to the audit of the consolidated financial statements.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

As part of an audit in accordance with the audit regulations in force in Spain, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Parent's directors.

- Conclude on the appropriateness of the use by the Parent's directors of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the Group audit. We remain solely responsible for our audit opinion.

We communicate with the Parent's audit committee regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide the Parent's audit committee with a statement that we have complied with relevant ethical requirements, including those regarding independence, and we have communicated with it to report on all matters that may reasonably be thought to jeopardise our independence, and where applicable, on the related safeguards.

From the matters communicated with the Parent's audit committee, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters.

We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter.

OBRASCÓN HUARTE LAIN, S.A.
AND SUBSIDIARIES

Consolidated financial statements
for the year ended 31 December 2019

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OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Consolidated balance sheets as at 31 December 2019 and 31 December 2018

ASSETS	Notes	31/12/2019	31/12/2018
NON-CURRENT ASSETS			
Intangible assets	**3.1.**		
Intangible assets		467,797	463,305
Accumulated amortisation		(278,690)	(254,327)
		189,107	**208,978**
Concession infrastructure	**3.2.**		
Intangible asset model		13,101	14,226
Financial asset model		59,666	57,945
		72,767	**72,171**
Property, plant and equipment	**3.3.**		
Land and buildings		79,748	45,267
Machinery		355,111	352,483
Other fixtures, tools and furniture		86,735	85,219
Advances and property, plant and equipment in the course of construction		10,204	7,314
Other items of property, plant and equipment		66,438	59,421
Accumulated depreciation and impairment losses		(411,847)	(402,298)
		186,389	**147,406**
Investment property	**3.4.**	**10,154**	**10,529**
Goodwill	**3.5.**	**7,247**	**7,247**
Non-current financial assets	**3.6.**		
Investment securities		64,205	64,187
Other receivables		265,718	240,420
Deposits and guarantees given		11,214	12,703
Impairment losses		(8,884)	(8,309)
		332,253	**309,001**
Investments accounted for using the equity method	**3.7.**	**301,362**	**293,403**
Deferred tax assets	**3.22.**	**205,023**	**262,456**
TOTAL NON-CURRENT ASSETS		**1,304,302**	**1,311,191**
CURRENT ASSETS			
Non-current assets classified as held for sale and discontinued operations		**-**	**142,489**
Inventories			
Embodiment items, fungibles and replacement parts for machinery		42,284	46,858
Auxiliary shop projects and site installations		31,328	32,775
Advances to suppliers and subcontractors		35,044	58,777
Write-downs		(1,500)	(1,498)
		107,156	**136,912**
Trade and other receivables	**3.9.**		
Trade receivables for sales and services		1,048,969	1,123,710
Receivable from associates		182,643	150,361
Employee receivables		1,346	2,214
Tax receivables	**3.22.**	83,213	84,203
Sundry accounts receivable		45,938	51,590
Write-downs		(104,487)	(107,870)
		1,257,622	**1,304,208**
Current financial assets	**3.6.**		
Investment securities		33,911	28,167
Other receivables		28,215	63,272
Deposits and guarantees given		185,403	145,004
Write-downs		(18,519)	(13,961)
		229,010	**222,482**
Current income tax assets		**14,622**	**18,183**
Other current assets	**3.10.**	**156,162**	**153,504**
Cash and cash equivalents	**3.11.**	**555,442**	**814,434**
TOTAL CURRENT ASSETS		**2,320,014**	**2,792,212**
TOTAL ASSETS		**3,624,316**	**4,103,403**

Note: the accompanying Notes 1 to 6 and the Appendices thereto are an integral part of the consolidated balance sheet as at 31 December 2019.

Translation of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Consolidated balance sheets as at 31 December 2019 and 31 December 2018

EQUITY AND LIABILITIES	Notes	31/12/2019	31/12/2018
EQUITY			
Share capital	**3.12.**	171,929	171,929
Share premium	**3.13.**	1,265,300	1,265,300
Treasury shares	**3.14.**	(535)	(370)
Reserves	**3.15.**	(520,064)	1,350,892
Reserves of consolidated companies	**3.15.**	(103,960)	(298,301)
Valuation adjustments	**3.16.**	(42,699)	(25,464)
Consolidated loss for the year attributable to the Parent		(142,960)	(1,577,346)
Interim dividend		-	(99,867)
TOTAL EQUITY ATTRIBUTABLE TO THE PARENT		**627,011**	**786,773**
Non-controlling interests	**3.17.**	**(4,148)**	**(1,104)**
TOTAL EQUITY		**622,863**	**785,669**
NON-CURRENT LIABILITIES			
Debt instruments and other marketable securities	**3.18.**		
Corporate bond issues		587,887	659,298
		587,887	**659,298**
Bank borrowings	**3.18.**		
Mortgage and other loans		150	1,659
		150	**1,659**
Other financial liabilities	**3.19.**	**31,483**	**2,384**
Deferred tax liabilities	**3.22.**	**95,125**	**149,000**
Provisions	**3.20.**	**65,518**	**60,454**
Deferred income		**817**	**1,362**
Other non-current liabilities	**3.21.**	**16,505**	**14,704**
TOTAL NON-CURRENT LIABILITIES		**797,485**	**888,861**
CURRENT LIABILITIES			
Liabilities associated with non-current assets classified as held for sale and discontinued operations		-	**63,517**
Debt instruments and other marketable securities	**3.18.**		
Corporate bond issues		83,691	14,132
		83,691	**14,132**
Bank borrowings	**3.18.**		
Mortgage and other loans		3,388	11,265
Loans of concession operators		53,770	54,498
Unmatured accrued interest payable		19	106
Unmatured accrued interest payable of concession operators		203	-
		57,380	**65,869**
Other financial liabilities	**3.19.**	**26,287**	**6,015**
Trade and other payables			
Customer advances	**3.9.**	517,372	601,285
Accounts payable for purchases and services		977,025	1,180,983
Notes payable		55,315	38,161
		1,549,712	**1,820,429**
Provisions	**3.20.**	**217,146**	**202,456**
Current income tax liabilities		**12,299**	**6,604**
Other current liabilities	**3.21.**		
Payable to associates		121,636	89,690
Remuneration payable		30,262	23,797
Tax payables	**3.22.**	74,865	74,964
Other non-trade payables		28,145	58,724
Guarantees and deposits received		2,492	2,520
Other current liabilities		53	156
		257,453	**249,851**
TOTAL CURRENT LIABILITIES		**2,203,968**	**2,428,873**
TOTAL EQUITY AND LIABILITIES		**3,624,316**	**4,103,403**

Note: the accompanying Notes 1 to 6 and the Appendices thereto are an integral part of the consolidated balance sheet as at 31 December 2019.

Translation of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Consolidated statements of profit or loss for the years ended 31 December 2019 and 31 December 2018

	Notes	2019	2018
Revenue	**3.23.**	2,959,905	2,906,900
Other operating income	**3.23.**	86,175	100,903
Total operating income		**3,046,080**	**3,007,803**
Procurements	**3.23.**	(1,726,202)	(2,216,741)
Staff costs	**3.23.**	(757,502)	(814,175)
Other operating expenses	**3.23.**	(497,611)	(472,837)
Depreciation and amortisation charge		(68,304)	(61,493)
Changes in provisions and allowances		(8,724)	(3,514)
LOSS FROM OPERATIONS		**(12,263)**	**(560,957)**
Finance income	**3.23.**	20,575	21,737
Finance costs	**3.23.**	(56,506)	(82,665)
Net exchange differences	**3.23.**	2,236	(5,896)
Net gains (losses) on remeasurement of financial instruments at fair value	**3.23.**	2,361	(89,453)
Result of companies accounted for using the equity method	**3.23.**	(7,032)	(110,416)
Impairment and gains or losses on disposals of financial instruments	**3.23.**	(71,030)	(141,898)
LOSS BEFORE TAX		**(121,659)**	**(969,548)**
Income tax	**3.22.**	(21,842)	15,995
LOSS FOR THE YEAR FROM CONTINUING OPERATIONS		**(143,501)**	**(953,553)**
Loss for the year from discontinued operations, net of tax	**3.23.**	-	**(550,291)**
CONSOLIDATED LOSS FOR THE YEAR		**(143,501)**	**(1,503,844)**
(Profit) Loss from continuing operations attributable to non-controlling interests	**3.17.**	541	(1,884)
(Profit) Loss from discontinued operations attributable to non-controlling interests	**3.17.**	-	(71,618)
CONSOLIDATED LOSS FOR THE YEAR ATTRIBUTABLE TO THE PARENT		**(142,960)**	**(1,577,346)**
Earnings (Loss) per share:			
Basic	**1.5.**	**(0.50)**	**(5.51)**
Diluted	**1.5.**	**(0.50)**	**(5.51)**
Earnings (Loss) per share from discontinued operations:			
Basic	**1.5.**	-	**(2.17)**
Diluted	**1.5.**	-	**(2.17)**

Note: the accompanying Notes 1 to 6 and the Appendices thereto are an integral part of the consolidated statement of profit or loss for the year ended 31 December 2019.

Translation of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Consolidated statements of comprehensive income for the years ended 31 December 2019 and 31 December 2018

	2019	2018
CONSOLIDATED LOSS FOR THE YEAR	**(143,501)**	**(1,503,844)**
INCOME AND EXPENSE RECOGNISED DIRECTLY IN EQUITY	**(24,045)**	**780,117**
Cash flow hedges	(8,802)	(6,446)
Translation differences	(11,704)	788,913
Companies accounted for using the equity method	(5,466)	(2,525)
Tax effect	1,927	175
TRANSFERS TO PROFIT OR LOSS	**4,802**	**600,771**
Cash flow hedges	3,179	10,723
Translation differences	-	588,029
Companies accounted for using the equity method	1,962	2,393
Tax effect	(339)	(374)
TOTAL COMPREHENSIVE INCOME	**(162,744)**	**(122,956)**
Attributable to the Parent	(160,195)	(851,501)
Attributable to non-controlling interests	(2,549)	728,545

Note: the accompanying Notes 1 to 6 and the Appendices thereto are an integral part of the consolidated statement of comprehensive income for the year ended 31 December 2019.

Translation of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1 and 6). In the event of a discrepancy, the Spanish-language version prevails

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Consolidated statements of changes in equity for the years ended 31 December 2019 and 31 December 2018

	Equity attributable to the Parent								
	Share capital	Share premium and reserves	Treasury shares	Consolidated loss for the year attributable to the Parent	Valuation adjustments	Interim dividend	Total equity attributable to the Parent	Non-controlling interests	Total equity
Ending balance at 31 December 2017	**179,255**	**2,799,433**	**(48,638)**	**(12,076)**	**(751,309)**	**-**	**2,166,665**	**2,016,563**	**4,183,228**
Application of IFRS 15 and IFRS 9	-	(415,237)	-	-	-	-	(415,237)		(415,237)
Ending balance at 1 January 2018	**179,255**	**2,384,196**	**(48,638)**	**(12,076)**	**(751,309)**	**-**	**1,751,428**	**2,016,563**	**3,767,991**
Total comprehensive income	**-**	**-**	**-**	**(1,577,346)**	**725,845**	**-**	**(851,501)**	**728,545**	**(122,956)**
Transactions with shareholders or owners	**(7,326)**	**(41,519)**	**48,268**	**-**	**-**	**(99,867)**	**(100,444)**	**-**	**(100,444)**
Capital reduction	(7,326)	(39,694)	47,020	-	-	-	-	-	-
Dividends paid	-	-	-	-	-	(99,867)	(99,867)	-	(99,867)
Treasury share transactions	-	(1,825)	1,248	-	-	-	(577)	-	(577)
Other changes in equity	**-**	**(24,786)**	**-**	**12,076**	**-**	**-**	**(12,710)**	**(2,746,212)**	**(2,758,922)**
Transfers between equity items	-	(12,076)	-	12,076	-	-	-	-	-
Other changes	-	(12,710)	-	-	-	-	(12,710)	(2,746,212)	(2,758,922)
Ending balance at 31 December 2018	**171,929**	**2,317,891**	**(370)**	**(1,577,346)**	**(25,464)**	**(99,867)**	**786,773**	**(1,104)**	**785,669**
Total comprehensive income	**-**	**-**	**-**	**(142,960)**	**(17,235)**		**(160,195)**	**(2,549)**	**(162,744)**
Transactions with shareholders or owners	**-**	**(99,758)**	**(165)**	**-**	**-**	**99,867**	**(56)**	**-**	**(56)**
Dividends paid	-	(99,867)	-	-	-	99,867	-	-	-
Treasury share transactions	-	109	(165)	-	-	-	(56)	-	(56)
Other changes in equity	**-**	**(1,576,857)**	**-**	**1,577,346**	**-**	**-**	**489**	**(495)**	**(6)**
Transfers between equity items	-	(1,577,346)	-	1,577,346	-	-	-	-	-
Other changes	-	489	-	-	-	-	489	(495)	(6)
Ending balance at 31 December 2019	**171,929**	**641,276**	**(535)**	**(142,960)**	**(42,699)**	**-**	**627,011**	**(4,148)**	**622,863**

Note: the accompanying Notes 1 to 6 and the Appendices thereto are an integral part of the consolidated statement of changes in equity for the year ended 31 December 2019.

Translation of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Consolidated statements of cash flows for the years ended 31 December 2019 and 31 December 2018

	2019	2018
A) CASH FLOWS FROM OPERATING ACTIVITIES	**(138,634)**	**(571,639)**
Loss before tax	**(121,659)**	**(969,548)**
Adjustments for:	**186,424**	**473,598**
Depreciation and amortisation charge	68,304	61,493
Other adjustments to the loss before tax	118,120	412,105
Changes in working capital	**(187,009)**	**80,902**
Other cash flows from operating activities	**(16,390)**	**(156,591)**
Dividends received	5,502	6
Income tax recovered (paid)	(21,226)	(37,723)
Other amounts received (paid) relating to operating activities	(666)	(118,874)
B) CASH FLOWS FROM INVESTING ACTIVITIES	**(31,594)**	**1,971,100**
Payments due to investment	**(145,991)**	**(215,332)**
Group companies, associates and business units	(87,312)	(145,219)
Property, plant and equipment, intangible assets and investment property	(46,792)	(46,195)
Other financial assets	(11,887)	(23,918)
Other assets	-	-
Proceeds from disposal	**93,836**	**2,097,196**
Group companies, associates and business units	-	2,087,756
Property, plant and equipment, intangible assets and investment property	16,580	9,440
Other financial assets	-	-
Other assets	77,256	-
Other cash flows from investing activities	**20,561**	**89,236**
Interest received	20,561	21,731
Other amounts received (paid) relating to investing activities	-	67,505
C) CASH FLOWS FROM FINANCING ACTIVITIES	**(93,946)**	**(1,022,727)**
Proceeds and (payments) relating to equity instruments	**(56)**	**(577)**
Acquisition	(34,321)	(65,592)
Disposal	34,265	65,015
Proceeds and (payments) relating to financial liability instruments	**(11,850)**	**(833,277)**
Issue	3,218	21,346
Repayment	(15,068)	(854,623)
Dividends and returns on other equity instruments paid	**-**	**(99,867)**
Other cash flows from financing activities	**(82,040)**	**(89,006)**
Interest paid	(56,390)	(83,728)
Other amounts received (paid) relating to financing activities	(25,650)	(5,278)
D) EFFECT OF FOREIGN EXCHANGE RATE CHANGES ON CASH AND CASH EQUIVALENT	**5,182**	**7,571**
E) NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS (A+B+C+D)	**(258,992)**	**384,305**
F) CASH AND CASH EQUIVALENTS AT BEGINNING OF YEAR	**814,434**	**430,129**
G) CASH AND CASH EQUIVALENTS AT END OF YEAR (E+F)	**555,442**	**814,434**
COMPONENTS OF CASH AND CASH EQUIVALENTS AT END OF YEAR		
Cash on hand and at banks	517,187	778,344
Other financial assets	38,255	36,090
TOTAL CASH AND CASH EQUIVALENTS AT END OF YEAR	**555,442**	**814,434**

Note: the accompanying Notes 1 to 6 and the Appendices thereto are an integral part of the consolidated statement of cash flows for the year ended 31 December 2019.

CASH FLOWS FROM DISCONTINUED OPERATIONS

	A) Cash flows from operating activities	-	11,424
	B) Cash flows from investing activities	-	(204,844)
	C) Cash flows from financing activities	-	248,898
D)	**Net cash flows from discontinued operations (A+B+C)**	**-**	**55,478**

Translation of consolidated financial statements originally issued in Spanish and prepared in accordance with the regulatory financial reporting framework applicable to the Group in Spain (see Notes 2.1. and 6). In the event of a discrepancy, the Spanish-language version prevails.

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2019

1.- GENERAL INFORMATION

1.1.- Company name and registered office

Obrascón Huarte Lain, S.A. (the Parent), formerly Sociedad General de Obras y Construcciones Obrascón, S.A., was incorporated on 15 May 1911 and has its registered office in Madrid, at Paseo de la Castellana, 259 D.

1.2- Business activities

The main business activities carried on by the companies composing the Obrascón Huarte Lain Group are as follows:

Construction

Construction of all manner of civil engineering works and building construction for public and private sector customers, both in Spain and abroad.

Industrial

Industrial engineering, particularly complete industrial plants and systems, including the design, construction, maintenance and operation thereof and any other activity related to oil and gas, energy, solids engineering and fire safety systems.

Services

Servicing of properties and infrastructure maintenance for all types of properties, housing and offices.

In addition, other less significant activities are performed, which at the reporting date are not separately reported because the amounts do not account for a significant proportion of the Group's total revenue; these activities relate to the development and operation of top quality mixed-use hotel-related real estate projects and to the development of infrastructure through partnerships with financial investors, maximising the value of greenfield projects.

1.3.- Loss for the year, changes in equity attributable to the Parent and changes in cash flows

Loss for the year

The consolidated loss for 2019 attributable to the Parent amounted to EUR (142,960) thousand.

	Thousands of euros		
	2019	2018	% Change
Revenue	2,959,905	2,906,900	1.8%
EBITDA (*)	**64,765**	**(495,950)**	**N/A**
EBIT	**(12,263)**	**(560,957)**	**N/A**
Financial loss and other profits and losses	(109,396)	(408,591)	-73.2%
Loss before tax	**(121,659)**	**(969,548)**	**-87.5%**
Income tax	(21,842)	15,995	N/A
Loss for the year from continuing operations	**(143,501)**	**(953,553)**	**-85.0%**
Loss for the year from discontinued operations	-	(550,291)	N/A
(Profit) Loss attributable to non-controlling interests	541	(73,502)	N/A
Loss attributable to the Parent	**(142,960)**	**(1,577,346)**	**-90.9%**

(*) EBITDA is calculated as the profit or loss from operations plus the depreciation and amortisation charge plus the change in provisions and allowances.

Changes in equity attributable to the Parent

The changes in the equity attributable to the Parent in 2019 and 2018 were as follows:

	Thousands of euros
Balance at 31 December 2017	**2,166,665**
Application of IFRS 15	(410,237)
Application of IFRS 9	(5,000)
Balance at 1 January 2018	**1,751,428**
2018 loss attributable to the Parent	(1,577,346)
Valuation adjustments relating to hedges	10,454
Translation differences	715,391
Interim dividend	(99,867)
Other changes	(13,287)
Balance at 31 December 2018	**786,773**
2019 loss attributable to the Parent	(142,960)
Valuation adjustments relating to hedges	(6,086)
Translation differences	(11,149)
Other changes	433
Balance at 31 December 2019	**627,011**

Changes in cash flows

The cash flows in 2019 compared with those of 2018, classified on the basis of whether they arose from operating, investing or financing activities, are summarised as follows:

	2019	2018	Difference
Operating activities	(138,634)	(571,639)	433,005
Investing activities	(31,594)	1,971,100	(2,002,694)
Financing activities	(93,946)	(1,022,727)	928,781
Effect of exchange rate changes on cash and cash equivalents	5,182	7,571	(2,389)
Net increase (decrease) in cash and cash equivalents	**(258,992)**	**384,305**	**(643,297)**
Cash and cash equivalents at beginning of year	**814,434**	**430,129**	**384,305**
Cash and cash equivalents at end of year	**555,442**	**814,434**	**(258,992)**

1.4.- Proposed allocation of loss and dividend

The allocation of the loss for 2019 that the directors of Obrascón Huarte Lain, S.A. will propose for approval by the shareholders at the Annual General Meeting is as follows:

	Thousands of euros
2019 loss	**(59,886)**
Allocation:	
To legal reserve	-
Interim dividend	-
To prior years' losses	(59,886)

1.5.- Earnings per share

Basic earnings per share

Basic earnings per share are calculated by dividing the consolidated profit or loss for the year attributable to the Parent by the weighted average number of ordinary shares outstanding during the year, excluding the average number of treasury shares held in the year.

Diluted earnings per share

Diluted earnings per share are calculated in a similar way to basic earnings per share; however, the weighted average number of shares outstanding is increased by share options, warrants and convertible debt.

In 2019 and 2018 there were no differences between the basic earnings per share and diluted earnings per share.

	Thousands of euros	
	2019	**2018**
Weighted average number of shares outstanding	286,052,416	286,142,138
Consolidated loss for the year attributable to the Parent	(142,960)	(1,577,346)
Basic loss per share = diluted loss per share	**(0.50)**	**(5.51)**
Loss for the year from discontinued operations	-	(621,909)
Basic loss per share = diluted loss per share from discontinued operations	**-**	**(2.17)**

2.- BASIS OF PRESENTATION AND BASIS OF CONSOLIDATION

2.1.- Basis of presentation

The consolidated financial statements for 2019 of the Obrascón Huarte Lain Group were formally prepared:

- By the Parent's directors, at the Board of Directors Meeting held on 5 May 2020.
- In accordance with International Financial Reporting Standards (IFRSs) as adopted by the European Union.
- Taking into account all the mandatory accounting principles and policies and measurement bases with a significant effect on the consolidated financial statements. The principal accounting policies and measurement bases applied in preparing the Group's consolidated financial statements for 2019 are summarised in Note 2.6.
- So that they present fairly the Group's consolidated equity and financial position at 31 December 2019 and the consolidated results of its operations, the consolidated comprehensive income, the changes in consolidated equity and the consolidated cash flows in 2019.
- On the basis of the accounting records kept by the Parent and by the other Group companies.

However, since the accounting policies and measurement bases used in preparing the Group's consolidated financial statements for 2019 differ in many cases from those used by the Group companies (local standards), the required adjustments and reclassifications were made on consolidation to unify the accounting policies and measurement bases used and to make them compliant with IFRSs.

The Group's consolidated financial statements for 2018 were approved by the shareholders at the Annual General Meeting of the Parent held on 28 May 2019.

The 2019 consolidated financial statements of the Group and the 2019 financial statements of the Parent and of the Group companies have not yet been approved by their shareholders at the respective Annual General Meetings. However, the Parent's Board of Directors considers that they will be approved without any changes.

2.2.- International Financial Reporting Standards (IFRSs)

Effectiveness of new accounting standards

The following standards became effective in 2019:

New standards, amendments and interpretations: Approved for use in the European Union		Obligatory application in annual reporting periods beginning on or after:
IFRS 16, Leases	Supersedes IAS 17 and the associated interpretations. The main change in the new standard is that it introduces a single lessee accounting model in which all leases will be recognised in the balance sheet.	1 January 2019
Prepayment Features with Negative Compensation (Amendments to IFRS 9)	They permit the measurement at amortised cost of certain financial instruments with prepayment features, which may be put back to the issuer before maturity for an amount lower than the unpaid amounts of principal and interest on the	
IFRIC 23, Uncertainty Over Income Tax Treatments	Clarifies how to apply the recognition and measurement requirements in IAS 12 when there is uncertainty over whether the relevant taxation authority will accept a tax treatment used by an entity.	
Long-term Interests in Associates and Joint Ventures (Amendments to IAS 28)	Clarify that IFRS 9 should be applied to long-term interests in an associate or joint venture to which the equity method is not applied.	
Plan Amendment, Curtailment or Settlement (Amendments to IAS 19)	Clarify how to determine current service cost and net interest for the remainder of the annual reporting period after a defined benefit plan amendment, curtailment or settlement.	
Amendments to IFRS 3, Business combinations	Obtaining control over a previously held joint operation.	
Amendments to IFRS 11, Joint Operations	Obtaining control over a previously held joint operation.	
Amendments to IAS 12, Income Taxes	Income tax consequences of payments on financial instruments classified as equity.	
Amendments to IAS 23, Borrowing Costs	Capitalisation of specific borrowing costs that are outstanding during the period.	

Of the new standards that became effective, the most significant for the Group was IFRS 16, Leases.

IFRS 16, Leases

This standard establishes a single lessee accounting model, whereby leases classified to date as operating leases must be recognised in the consolidated balance sheet. Consequently, lessees must recognise in their balance sheet a financial liability at the present value of the future lease payments to be made over the lease term and an asset for the right to use the underlying asset, which is measured by reference to the amount of the associated liability, to which are added the initial direct costs incurred.

In addition, the expenses relating to these leases are presented, in accordance with the requirements of IFRS 16, as depreciation of the right-of-use asset and interest on the lease liability.

IFRS 16 substantially carries forward the lessor accounting requirements in IAS 17. Accordingly, a lessor continues to classify its leases as operating leases or finance leases, depending on the extent to which the risks and rewards of ownership are substantially transferred.

On first-time application, the Group opted to apply the cumulative catch-up approach, based on which the comparative information for previous periods was not restated and the impacts were recognised at 1 January 2019.

The Group applied the exemption from recognition to leases in which the asset is of low value and short term leases (expiry within 12 months).

An incremental effective borrowing rate was applied on the basis of a portfolio of leases with similar characteristics, in the same country and with similar lease terms, obtained in each case from market data. The average discount rate used was 5%.

Having completed in the second half of 2019 the identification and categorisation of the operating leases it held in the various geographical areas and lines of business in which it operates, on the date of first-time application the Group recognised assets under "Property, Plant and Equipment" amounting to EUR 49,884 thousand, as well as new financial liabilities under "Non-Current Liabilities - Other Financial Liabilities" and "Current Liabilities - Other Financial Liabilities" amounting to EUR 35,822 thousand and EUR 14,062 thousand, respectively.

They relate mainly to office, machinery and vehicle lease obligations.

The detail of the impacts of the application of IFRS 16 on the consolidated balance sheet as at 1 January 2019 is as follows:

Thousands of euros			
ASSETS	**31/12/18**	**IFRS 16**	**01/01/19**
Non-current assets	1,311,191	49,884	1,361,075
Current assets	2,792,212	-	2,792,212
Total assets	**4,103,403**	**49,884**	**4,153,287**
EQUITY AND LIABILITIES			
Equity attributable to the Parent	785,669	-	785,669
Non-current liabilities	888,861	35,822	924,683
Current liabilities	2,428,873	14,062	2,442,935
Total equity and liabilities	**4,103,403**	**49,884**	**4,153,287**

The accounting for finance leases prior to the date of first-time application remains unchanged with respect to their treatment under IAS 17.

The application of IFRS 16 in 2019 gave rise to the recognition of an asset depreciation charge of EUR 12,674 thousand in the consolidated statement of profit or loss. Also, the interest relating to the associated liabilities amounted to EUR 3,042 thousand.

The lease payments recognised at 31 December 2019 amounted to EUR 15,219 thousand.

With regard to the consolidated statement of cash flows, the application of this standard resulted in an increase in cash flows from operating activities and a decrease in cash flows from financing activities.

Standards and interpretations issued but not yet in force

At the date of preparation of these consolidated financial statements, the following standards, amendments and interpretations had been published by the International Accounting Standards Board (IASB) but had not yet come into force, either because their effective date is subsequent to the date of the consolidated financial statements or because they had not yet been adopted by the European Union:

New standards, amendments and interpretations: Approved for use in the European Union		Obligatory application in annual reporting periods beginning on or after:
Definition of a Business (Amendments to IFRS 3)	Clarifications of the definition of a business.	1 January 2020
Interest Rate Benchmark Reform (Amendments to IFRS 9, IAS 39 and IFRS 7)	Interest rate benchmark reform in progress.	1 January 2020
Not yet approved for use in the European Union		
Definition of Material (Amendments to IAS 1 and IAS 8)	To align the definition of materiality with the definition contained in the Conceptual Framework.	1 January 2020
IFRS 17, Insurance Contracts	Will supersede IFRS 4. It establishes principles for the recognition, measurement, presentation and disclosure of insurance contracts and is issued to ensure that entities provide relevant and reliable information that gives a basis for users of the information to assess the effect that insurance contracts have on the financial statements.	1 January 2021 (*)

(*) The IASB has proposed that the application of this standard be deferred until 1 January 2022.

All the accounting principles or measurement bases with a material effect on the consolidated financial statements were applied in preparing them.

2.3.- Functional currency

These consolidated financial statements are presented in euros since this is the currency of the primary economic environment in which the Group operates. Foreign operations are accounted for in accordance with the policies established in Note 2.6.11.

2.4.- Responsibility for the information and use of estimates

The information in these consolidated financial statements is the responsibility of the Parent's directors.

In the consolidated financial statements for 2019 estimates were occasionally made by the senior executives of the Group and of the Group companies, later ratified by their directors, in order to quantify certain of the assets, liabilities, income and expenses reported herein. These estimates relate basically to the following:

- The impairment losses on certain assets (see Notes 2.6.6., 3.1., 3.2. and 3.5.).
- The useful life of the intangible assets and property, plant and equipment (see Notes 2.6.1. and 2.6.3.).
- The recognition of construction contract revenue and costs (see Notes 2.6.15., 3.9. and 3.23).
- The amount of certain provisions (see Notes 2.6.14. and 3.20.).
- The fair value of the assets acquired in business combinations and goodwill (see Note 3.5.).
- The fair value of certain unquoted assets.
- The assessment of possible contingencies relating to employment, tax and legal risks (see Notes 3.20., 3.22. and 4.6.2.2.).
- Financial risk management (see Note 4.2.1.).

Although these estimates were made on the basis of the best information available at 31 December 2019, events that take place in the future might make it necessary to change these estimates in coming years. Changes in accounting estimates would be applied, pursuant to

IAS 8, by recognising the effects of the change in estimates in the related consolidated statements of profit or loss.

As required by IAS 1, the information relating to 2018 is presented, for comparison purposes, with the information relating to 2019 and, accordingly, it does not constitute the Group's complete consolidated financial statements for 2018.

2.5.- Basis of consolidation

Subsidiaries

Subsidiaries are defined as companies over which the Parent has the capacity to exercise control; control is presumed to exist when the Parent is exposed, or has rights, to variable returns from its involvement with the investee and has the ability to affect those returns through its power over the investee.

Pursuant to IFRS 10, Consolidated Financial Statements, the Parent controls an investee if and only if it has all of the following:

- Power over the investee;
- Exposure, or rights, to variable returns from its involvement with the investee; and
- The ability to use its power over the investee to affect the amount of its returns.

The financial statements of the subsidiaries are fully consolidated with those of the Parent, and the interest of non-controlling shareholders, if any, is recognised under "Non-Controlling Interests" in the consolidated balance sheet and "(Profit) Loss from Continuing Operations Attributable to Non-Controlling Interests" and "(Profit) Loss from Discontinued Operations Attributable to Non-Controlling Interests", as appropriate, in the consolidated statement of profit or loss.

Additionally, the results on intragroup transactions are eliminated and are deferred until they are realised vis-à-vis non-Group third parties, with the exception of those relating to construction work performed for concession operators which, in accordance with IFRIC 12, are identified as results on transactions with non-Group companies and, accordingly, are recognised by reference to the stage of completion.

Joint operations

A joint operation is a contractual arrangement whereby two or more entities that have joint control of the arrangement have rights to the assets, and obligations for the liabilities, relating to the arrangement.

The financial statements of the joint operations are proportionately consolidated (see Note 3.7.2.).

The assets and liabilities assigned by the Group to joint operations are recognised in the consolidated balance sheet classified according to their specific nature. Similarly, the Group's share of the income and expenses of joint operations is recognised in the consolidated statement of profit or loss on the basis of the nature of the related items.

Joint ventures

A joint venture is an arrangement whereby two or more entities that have joint control of the arrangement do not have rights to the assets, or obligations for the liabilities, but rather have rights to the net assets relating to the arrangement.

In the consolidated financial statements, joint ventures are accounted for using the equity method.

Associates

Associates are companies over which the Parent is in a position to exercise significant influence, but not control or joint control with other shareholders.

In the consolidated financial statements, investments in associates are accounted for using the equity method.

Scope of consolidation

The most significant companies included in the scope of consolidation at 31 December 2019 are detailed in Appendix I.

The activities, registered offices and equity of, and the net cost of the investments in, the most significant companies composing the consolidated Group are shown in Appendices II and III.

Changes in the scope of consolidation

The changes in the scope of consolidation in 2019 were as follows:

Inclusions	No. of companies
Full consolidation	4
Equity method	2
Total inclusions	**6**

Exclusions	
Full consolidation	4
Equity method	8
Total exclusions	**12**

The most significant changes were as follows:

Sales of companies included in the Development Division

In 2019 ten companies included in the Development Division were sold, of which four had been fully consolidated and six had been accounted for using the equity method.

There were no significant inclusions in 2019.

The detail of the companies included in, or excluded from, the scope of consolidation and of the reasons therefor is disclosed in Appendix IV.

2.6.- Accounting policies

The accounting policies and measurement bases applied in preparing the Group's consolidated financial statements for 2019 were as follows:

2.6.1. Intangible assets

Intangible assets are recognised initially at acquisition or production cost.

They are subsequently measured at acquisition or production cost less any accumulated amortisation and any accumulated impairment losses.

"Intangible Assets" includes the costs arising from the installation and acquisition of computer software, which is amortised on a straight-line basis over a maximum period of five years.

It also includes development expenditure, which is capitalised if it meets the requirements of identifiability, reliability in the measurement of cost and high probability that the assets created will generate economic benefits. This expenditure is amortised on a straight-line basis over the useful life of the asset.

Expenditure on research activities is recognised as an expense in the year in which it is incurred.

Also, under IFRS 3, all the assets of a business combination, including intangible assets, regardless of whether they had been previously recognised in the acquiree's balance sheet, are measured at fair value, provided that they meet certain identifiability and separability criteria. In this regard, this heading includes the amount relating to the measurement of the backlog and the customer portfolio of the acquirees at the date of acquisition, taking as a reference the projected margins after taxes, projected expenditure and the term of the contracts. The amount relating to the backlog will be amortised over the residual term of the contracts and that relating to the customer portfolio will be amortised over the estimated average useful life thereof.

At the end of each reporting period an analysis is conducted to ascertain whether the goodwill allocated to the client base of the US companies has become impaired, using cash flow projections, which at 2019 year-end were discounted at a rate of 7.81%.

2.6.2. Concession infrastructure

Concession infrastructure includes investments made by the Group companies that are infrastructure concession operators, which are recognised in accordance with IFRIC 12, Service Concession Arrangements.

IFRIC 12 relates to the accounting of private sector operators involved in providing infrastructure assets and services to the public sector. This interpretation establishes that in concession arrangements, the operator must not recognise the infrastructure assets as property, plant and equipment but must instead classify the assets as intangible assets or financial assets.

2.6.2.1. Concession infrastructure classified as an intangible asset

An intangible asset arises when the operator provides construction or upgrade services and receives a right to operate the infrastructure for a specified period of time after the construction has been completed, in which the operator's future cash flows have not been specified, since they may vary on the basis of the extent that the asset is used, for which reason they are considered to be contingent. In these cases the demand risk is borne by the concession operator and, accordingly, the concession is considered to be an intangible asset.

The intangible asset is measured at the fair value of the service provided, equal to the total payments made for its construction, including the construction costs incurred up to entry into service, such as studies and designs, compulsory purchases, costs of restoration of infrastructure, facilities and other similar items.

The intangible asset also includes borrowing costs incurred prior to the entry into service of the concession.

The concession infrastructure recognised as an intangible asset is amortised on the basis of the pattern of consumption (traffic) of these concession assets during the term of the concession only.

The contractual obligations to restore the infrastructure to a specified level of serviceability, pursuant to the terms and conditions of the licences or services, before it is handed over to the grantor in a specified condition at the end of the period of the concession arrangement, are covered by the recognition of provisions for major maintenance work. These provisions are recognised under "Non-Current Liabilities - Provisions" in the consolidated balance sheet.

The grants financing the infrastructure are recognised as "Non-Current Liabilities - Other Financial Liabilities" until the conditions attaching to them have been fulfilled. At that time they are deducted from the cost of the infrastructure.

2.6.2.2. Concession infrastructure classified as a financial asset

These are assets recognised by the concession operators, which represent the rights to operate administrative concessions and the unconditional contractual right to receive cash or another financial asset associated with certain concession arrangements where the demand risk is borne by the concession grantor.

The financial asset arises when an operator constructs or upgrades infrastructure and has an unconditional contractual right to receive a specified amount of cash or another financial asset over the term of the arrangement. This asset is subsequently measured at amortised cost, based on the best estimates of the flows to be received over the term of the concession, and the accrued interest, calculated using the effective interest rate method, on the expected cash inflows and outflows of the concession is recognised as "Other Operating Income" in the consolidated statement of profit or loss, since it is considered that these cash flows relate to the operating activities of the concessions.

All actions taken in relation to the concession infrastructure, such as maintenance and replacements, give rise to revenue from services which is recognised under "Other Operating Income" in the consolidated statement of profit or loss.

The operating expenses incurred by the companies are accounted for on an accrual basis in the consolidated statement of profit or loss, giving rise to the recognition of revenue from services under "Other Operating Income".

The value of the financial asset is increased by the construction services and the effective interest rate, and reduced by the associated net revenue.

If there are significant changes in the estimates which are indicative of a material change in the effective interest rate applicable to the concession arrangement, the Group assesses the carrying amount of the financial asset and adjusts it prospectively, recognising the corresponding impairment loss if the net present value of the cash flows to be received over the concession term is lower than the carrying amount of the financial asset.

2.6.3. Property, plant and equipment

Property, plant and equipment are recognised at acquisition cost (revalued, where appropriate, in accordance with the applicable legislation prior to the date of transition to IFRSs, including Royal Decree-Law 7/1996) less any accumulated depreciation and any recognised impairment losses.

The costs of expansion, modernisation or improvements leading to increased productivity, capacity or efficiency or to a lengthening of the useful lives of the assets are capitalised.

Repairs that do not lead to a lengthening of the useful life of the assets and maintenance costs are charged to the consolidated statement of profit or loss for the year in which they are incurred.

The Group capitalises interest during the non-current asset construction period as indicated in Note 2.6.17.

Group work on non-current assets is recognised at accumulated cost (external costs plus in-house costs, determined on the basis of in-house consumption of warehouse materials and manufacturing costs allocated using hourly absorption rates similar to those used for inventory measurement).

Depreciation is calculated, using the straight-line method, on the basis of the acquisition cost of the assets less their residual value; the land on which the buildings and other structures stand has an indefinite useful life and, therefore, is not depreciated.

The period property, plant and equipment depreciation charge is recognised in the consolidated statement of profit or loss at rates based on the following years of estimated useful life of the various assets:

	Years of useful life
Buildings	25-50
Machinery	6-16
Other fixtures, tools and furniture	10
Other items of property, plant and equipment	3-5

Assets held under finance leases are depreciated over their estimated useful lives on the same basis as owned assets of the same nature.

At the end of each reporting period, the consolidated companies assess whether there is any internal or external indication that the carrying amounts of their property, plant and equipment items exceed their recoverable amounts, i.e., the higher of the net amount which could be obtained if they were sold and the present value of the cash flows. If any such indication exists, the carrying amount of the assets is reduced to the recoverable amount and the future depreciation charges in the consolidated statement of profit or loss are adjusted in proportion to the adjusted carrying amounts and new useful lives.

Similarly, when there are indications that the value of the assets has recovered, the consolidated companies recognise the reversal of the impairment losses recognised in prior periods and adjust the depreciation charges in future consolidated statements of profit or loss up to a maximum of the original cost of the related asset.

2.6.4. Investment property

"Investment Property" in the accompanying consolidated balance sheet reflects the values of the land, buildings and other structures held either to earn rentals or for capital appreciation.

Land is measured at acquisition cost increased by site clearance and preparation costs. Construction projects are measured at the cost of the related progress billings plus contract costs, such as site management, levies, architects' fees, etc. They are depreciated on a straight-line basis over their useful lives, which are the same as those used for similar items of property, plant and equipment.

Borrowing costs attributable to these investments are capitalised during the construction period until the properties are ready for sale and are treated as an addition to the value of the investment. Interest income obtained from the short-term investment of cash surpluses is deducted from the cost of the investment.

Revenue and gains or losses are recognised when the assets are sold and the sale to the buyer has been executed in a public deed, which is when the rights and obligations inherent thereto are transferred. Rental income is allocated to the consolidated statement of profit or loss on an accrual basis.

In leases, expenses are recognised on an accrual basis and all maintenance, management and impairment costs relating to the leased assets are charged to income.

At the end of each reporting period, the Group analyses whether the carrying amount of investment property exceeds fair value and, if so, it makes the appropriate valuation adjustment in the consolidated statement of profit or loss by recognising an impairment loss to reduce the carrying amount to fair value.

2.6.5. Goodwill

Any excess of the costs of acquisition of an investment in a company over its underlying carrying amount is allocated to certain assets and liabilities on consolidation.

This excess is allocated as follows:

1. If it is attributable to specific assets and liabilities of the company acquired, increasing the value of the assets acquired or reducing the value of the liabilities acquired.
2. If it is attributable to specific intangible assets, recognising it explicitly in the consolidated balance sheet.
3. Any remaining amount is recognised as goodwill on the asset side of the consolidated balance sheet.

At the end of each reporting period an analysis is conducted to ascertain whether this goodwill has suffered impairment and, if so, it is adjusted to its fair value with a charge to the consolidated statement of profit or loss.

An impairment loss recognised for goodwill must not be reversed in a subsequent period.

2.6.6. Impairment of non-current assets

At the end of each reporting period, the consolidated companies assess whether there is any internal or external indication that the carrying amounts of their assets exceed their recoverable amounts, i.e., the higher of the net amount which could be obtained if they were sold and the present value of the cash flows. If any such indication exists, the carrying amount of the assets is reduced to the recoverable amount and the future depreciation and amortisation charges in the consolidated statement of profit or loss are adjusted in proportion to the adjusted carrying amounts and new useful lives.

The indications of impairment considered for these purposes are, inter alia, the operating losses or negative cash flows during the period if they are combined with a track record or projections of losses, decline in value and depreciation/amortisation taken to profit or loss, which, in percentage terms, in relation to revenue, are substantially higher than those from previous years, effects of obsolescence, reduction in the demand for the services provided, competition and other economic and legal factors.

Any impairment is recognised where the carrying amount exceeds the recoverable amount, calculated as the present value of the cash flows.

Similarly, when there are indications that the value of the assets has recovered, the consolidated companies recognise the reversal of the impairment losses recognised in prior periods and adjust the depreciation and amortisation charges in future consolidated statements of profit or loss up to a maximum of the original cost of the related asset.

The following criteria are applied for each non-current asset:

Concession infrastructure

The present value of the expected future cash flows is estimated using a pre-tax discount rate that reflects current market assessments of the time value of money and the specific risks associated with the asset, both during the use of the asset and from the possible disposal of the asset at the end of its useful life.

The main variables considered are the estimate of revenue to be received over the concession term and the estimate of the operating and maintenance expenses.

Investment property

At the end of each reporting period, analyses are conducted to determine whether the carrying amount of investment property exceeds fair value and, if this is the case, the appropriate valuation adjustment is made in the consolidated statement of profit or loss by recognising an impairment loss to reduce the carrying amount to fair value.

Appraisals are commissioned from external valuers or the latest appraisals made are used as a reference to determine market value.

An impairment loss is recognised if the carrying amount exceeds the recoverable amount.

When an impairment loss subsequently reverses, income is recorded up to the amount of the impairment loss previously recognised.

Goodwill

The cash flow projections used to calculate goodwill were based on the following assumptions:

- The maintenance over time of a short-term backlog measured in months of sales.
- Projected cash flows for three years.
- Annual growth rate of approximately 2% for the coming years.

Any impairment is recognised where the carrying amount exceeds the recoverable amount, calculated as the present value of the cash flows. No indications of impairment were identified in this connection in 2019.

2.6.7. Financial assets

These are assets representing collection rights for the Group as a result of investments or loans. These rights are classified as current or non-current on the basis of whether they are due to be settled within less than or more than 12 months, respectively.

In 2018 the Group adopted IFRS 9, Financial Instruments, which sets out the requirements for recognising and measuring financial assets and financial liabilities.

Worthy of particular mention is the change which affects the classification and measurement of financial assets, whereby the method of measurement is determined on the basis of two concepts: the contractual cash flow characteristics of the financial asset and the entity's business model for managing the financial asset. The three categories are: amortised cost; fair value through other comprehensive income (equity); and fair value through profit or loss. As indicated above, the Group's financial assets are mainly assets held to maturity and for which the cash flows are solely payments of principal and interest and, therefore, based on these characteristics, the financial assets are measured at amortised cost.

Also, pursuant to IFRS 9 the Group has recognised a loss allowance for expected credit losses, which it reviews at the end of each reporting period. To calculate this loss allowance, the Group uses a methodology whereby certain percentages reflecting the expected credit losses based on the credit profile of the counterparty are applied to the balances of all the financial assets. These percentages reflect the probability of default occurring on the payment obligations and the percentage of loss, which, once the default occurs, is ultimately uncollectible. If a significant increase in credit risk since initial recognition is identified, the expected loss is calculated taking into account the lifetime expected credit losses.

The Group applies the simplified approach to trade and other receivables, including contract assets. In order to calculate the expected credit losses, an average rating of the customers is obtained by activity and geographical region; on the basis of this rating, the Group obtains percentages to be applied to the balances based on whether the customer is public or private and on its line of business (only in the case of private customers). In other cases, specific analyses of the counterparty's rating are conducted, even using valuations performed by independent experts where necessary.

If the customer were to enter into insolvency, claim or non-payment proceedings, a default would be deemed to have occurred and an allowance would be recognised in order to reduce the related balance receivable to zero. For this purpose, the Group has established periods by type of customer that determine the default and, consequently, the recognition of the related allowance.

2.6.8. Transfers of financial assets and derecognition of financial assets and liabilities

The accounting treatment of the transfers of financial assets depends on the extent to which the risks and rewards associated with the transferred assets are contractually transferred to third parties.

Financial assets are only derecognised when they are realised or when the Group transfers substantially all the risks and rewards of ownership and control thereover to third parties.

Financial liabilities are only derecognised when the obligations giving rise to them cease to exist.

2.6.9. Non-current assets and liabilities classified as held for sale

In accordance with IFRS 5, Non-Current Assets Classified as Held for Sale and Discontinued Operations, assets and liabilities are classified as non-current assets and liabilities held for sale when their carrying amount is expected to be recovered basically through a sale transaction rather than through continuing use.

The asset must be available for immediate sale, subject only to terms that are usual and customary for sales of such assets and liabilities, and its sale must be highly probable. The sale is considered highly probable when there is a commitment to a plan to sell the asset and an active programme to locate a buyer and complete the plan has been initiated. Also, the sale must be expected to qualify for recognition as a completed sale within one year from the date of classification.

Non-current assets classified as held for sale are not depreciated, but rather are measured at the lower of consolidated carrying amount and fair value less costs of disposal.

2.6.10. Inventories

"Inventories" in the consolidated balance sheet includes the assets that the consolidated companies:

- Hold for sale in the ordinary course of their business.
- Have in the process of production, construction or development for such sale; or
- Expect to consume in the production process or in the provision of services.

All inventories are measured at the lower of cost and net realisable value.

Net realisable value is the estimated selling price less all the costs required to complete the production of inventories and to sell them.

Goods and work in progress are measured at production cost, which includes the cost of materials, direct labour and production costs and the interest incurred during the construction period.

2.6.11. Foreign currency

The items included in the financial statements of each of the Group companies are measured in their respective functional currencies.

The consolidated financial statements are presented in euros, which is the Parent's functional and presentation currency.

In the separate financial statements of the Group companies, foreign currency balances and transactions are translated as follows:

- Transactions performed during the year in currencies other than the functional currency are translated at the exchange rates prevailing at the date of the transaction.
- Monetary asset and liability balances denominated in currencies other than the functional currency (cash and items with no loss of value when converted to cash) are translated at the year-end exchange rates.
- Non-monetary asset and liability balances denominated in currencies other than the functional currency are translated at the historical exchange rates.

Exchange gains and losses are recognised in the consolidated statement of profit or loss.

On consolidation, the balances of the financial statements of the consolidated companies whose functional currency is not the euro are translated to euros as follows:

- Assets and liabilities are translated at the exchange rates prevailing at the reporting date.
- Income and expense items are translated at the average exchange rates for the period.
- Equity is translated at the historical exchange rates.

Any exchange differences arising from the consolidation of companies with a functional currency other than the euro are classified in the consolidated balance sheet as translation differences under "Equity - Valuation Adjustments".

The Group does not have any investments in a currency that is identified as a currency of a hyperinflationary economy.

2.6.12. Bank borrowings, debt instruments and other marketable securities

Bank borrowings, debt instruments and other marketable securities are measured at the amount received, net of direct issue costs, plus the accrued interest payable at year-end. Borrowing costs are recognised on an accrual basis in the consolidated statement of profit or loss by modifying the nominal rate, taking into account issue discounts, fees and expenses. This method is equivalent to using the effective interest rate, which is the rate that exactly matches the net value of the income received to the present value of future disbursements.

Debts due to be settled within 12 months of the reporting date are classified as current items and those due to be settled within more than 12 months as non-current items.

2.6.13. Derivative financial instruments and hedges

In order to mitigate the economic effects of exchange rate and interest rate fluctuations to which the Group is exposed as a result of its business activities, the Group uses derivative financial instruments, such as foreign currency hedges, interest rate swaps and interest rate options.

The foreign currency hedges and interest rate swaps are future exchange commitments, on the basis of which the Group and banks agree to exchange interest payments or currencies in the future. In the case of an interest rate derivative, the commitment is to pay a fixed interest rate in exchange for receiving a floating interest rate. In the case of a foreign currency derivative, the commitment is to pay or receive a given amount of euros in exchange for a given amount in another currency. In the case of the equity swap tied to the Group's share price, the commitment is to pay or receive the result of the change in the share price with respect to a reference price and to pay a floating interest rate. The Group acquires the right to receive interest on the interest rate options arranged if the interest rate exceeds the reference level initially established with the banks, in exchange for paying a given amount to these banks at the beginning of the transaction.

When the Group arranges a derivative, it does not do so with the intention of settling it early or trading with it. The Group does not use derivatives for speculative purposes, but rather to mitigate the economic effects that may arise from its foreign trade and financing activities due to exchange and interest rate fluctuations.

Derivatives are recognised at their fair value under "Other Financial Assets" or "Other Financial Liabilities" in the consolidated balance sheet.

Fair value is the net amount that the Group would have to pay or receive if the derivative were settled at the measurement date, and is equal to the difference between the present value of the future

collections and payments agreed on by the Group and banks under the terms of the derivative arranged. The fair value of the options arranged is the same as the amount which the Group would receive in the event of settling them and is determined using a widely accepted pricing model (the Black-Scholes model).

IFRS 13, Fair Value Measurement has changed the definition of fair value and confirms that own credit risk must be taken into account when measuring fair value. Since 1 January 2013, this adjustment to the measurement of derivatives has been recognised in profit or loss, except when the derivatives qualify as effective hedges, in which case they are recognised in reserves.

The recognition of the fair value of derivatives as other financial assets or liabilities gives rise to a change in equity if the derivative qualifies for hedge accounting. The change in equity is recognised directly through "Equity - Valuation Adjustments" and indirectly through "Net Gains (Losses) on Remeasurement of Financial Instruments at Fair Value" or "Result of Companies Accounted for Using the Equity Method", as appropriate, in the consolidated statement of profit or loss.

The fair value of a derivative changes during its term. Changes in fair value arise: as a result of the passage of time; as a result of changes in interest rate curves; in the case of foreign currency derivatives, as a result of changes in exchange rates; in the case of equity-based derivatives, as a result of changes in the share price; and in the case of interest rate options, as a result of changes in the volatility of interest rates.

Only certain derivatives can be considered to qualify for hedge accounting.

The requirements that must be met for a derivative to be considered as a hedge are as follows:

- The underlying in relation to which the derivative is arranged to mitigate the economic effects that might arise therefrom as a result of fluctuations in exchange rates and interest rates must initially be identified.

- When the derivative is arranged, the reason for which it was arranged must be appropriately documented and the hedged risk must be identified.

- It must be demonstrated that the hedge is effective from the date of the arrangement of the derivative to the date of its settlement, i.e., that it meets the objective initially defined. In order to assess this, the effectiveness of the hedge is tested.

When the derivative does not qualify for hedge accounting, or the Group voluntarily decides not to apply hedge accounting, changes in fair value are recognised in the consolidated statement of profit or loss.

For derivatives that qualify for hedge accounting, under the relevant standards changes in fair value are recognised directly in equity or indirectly through profit or loss on the basis of the type of hedged risk concerned.

Cash flow hedges

A derivative arranged to hedge against exposure to future variability in the expected cash flows in a foreign currency transaction as a result of exchange rate fluctuations can be considered to be a cash flow hedge. The same is true of a derivative arranged to hedge against exposure to future variability in the expected cash flows in floating-rate financing as a result of interest rate fluctuations.

The portion of the gain or loss on a hedging instrument whose purpose is to act as a cash flow hedge of an underlying and which is determined to be an effective hedge is recognised under "Equity - Valuation Adjustments", and the ineffective portion of the gain or loss is recognised in the consolidated statement of profit or loss. The changes in the time value of the options are recognised directly in the consolidated statement of profit or loss.

The cumulative balance of "Equity - Valuation Adjustments" is transferred to profit or loss when, and to the extent that, the gains or losses on the hedged risk of the underlying also start to be reflected in profit or loss.

Hedges of net investments in foreign operations

When a derivative or another hedging instrument is used to hedge against exchange rate fluctuations that affect the carrying amount of net investments in foreign operations, it can be considered to be a hedge of a net investment in a foreign operation.

The gains or losses on this type of derivative or hedging instrument are recognised in the consolidated statement of profit or loss in a similar fashion to those on cash flow hedges. The only difference is that the accumulated amounts under "Equity - Valuation Adjustments" are not recognised in the consolidated statement of profit or loss until the investment is sold.

Fair value hedges

Fair value hedges arise when a derivative is arranged to convert financing at a fixed interest rate into financing at a floating interest rate in order to tie a portion of the financing to interest rate changes and, therefore, to the performance of the market.

Fair value hedges also arise when a derivative is arranged to hedge the possible future changes in the equivalent euro value of firm commitments to collect or pay certain amounts in foreign currency due to exchange rate fluctuations.

When the purpose of the hedging derivative is to act as a fair value hedge, gains or losses on the derivative and its underlying are recognised through profit or loss.

2.6.14. Provisions

The Group's consolidated financial statements include all the material provisions with respect to which it is considered that it is probable that the obligation covered by them will have to be settled. Contingent liabilities are not recognised in the consolidated financial statements, but rather are disclosed, as required by IAS 37 (see Note 4.6.2.).

Provisions are classified as short-term or long-term provisions based on the estimated period of time in which the obligations covered by them will have to be settled.

The most significant provisions are:

Provisions for taxes

These provisions reflect the estimate of tax debts whose payment is uncertain as to its exact amount or timing, since this depends on whether or not certain conditions are met.

Provisions for litigation and third-party liability

These provisions are recognised in order to cater for the possible adverse economic effects that might arise from the litigation and claims against the Group arising from the ordinary course of its operations (see Note 4.6.2.).

Provisions for construction work completion

These provisions are intended to cover the expenses arising from the completion of a project until its definitive settlement. The estimated costs in this connection are accrued over the construction period on the basis of production volumes.

Provisions for management and other fees

These provisions relate to the amount incurred in connection with project management and inspection fees, laboratory, layout and other fees payable at the reporting date. The amounts of these fees are established in the related project specifications and in current legislation. The estimated costs in this connection are accrued over the construction period on the basis of production volumes.

Other provisions for commercial transactions

"Other Provisions for Commercial Transactions", which correspond primarily to the Group's construction companies, includes deferrals of expenses and other construction costs. These amounts considered individually are of scant significance and correspond to numerous contracts.

Provisions for major maintenance work, retirement or refurbishment of non-current assets

In accordance with IFRIC 12, provisions are recognised for the estimated expenditure required to carry out maintenance work spanning more than one year (mainly at concession operators) with a charge to the consolidated statement of profit or loss for each of the periods remaining until the work has been completed.

Provisions for future losses

These provisions are recognised as soon as it becomes evident that the total envisaged expenses to be incurred in a contract exceed total expected contract revenue and they are included in the estimate of the total budget for the contract.

2.6.15. Revenue recognition

In order to recognise revenue uniformly across the various business areas, the Group has a general revenue recognition policy that is in line with IFRS 15, Revenue from Contracts with Customers. This policy contains the following principles:

i) Core principle

The first step in recognising revenue requires the identification of the nature of the contract and the performance obligations it contains. Generally, in the case of the Construction, Industrial and Services activities, the Group satisfies its performance obligations over time, on the basis that the customer simultaneously receives and consumes the benefits as the service is provided.

In relation to the recognition of revenue over time, the Group has clear criteria applied consistently to the Construction and Industrial activities for similar performance obligations. In this connection, the Group measures the value of the goods and services for which control is transferred to the customer over time in accordance with the input method, or "stage of completion measured in terms of costs incurred". In accordance with this method, the Group recognises revenue based on the costs incurred with respect to the total costs expected to be incurred. This method requires the measurement of the proportion of the costs incurred at the date of measurement with respect to the total budgeted costs and, therefore, in this case revenue and margins are recognised in proportion to the total expected revenue and margins.

In the case of maintenance or cleaning services of the Services Division, the revenue recognition method applied by the Group is based on the time elapsed (the "time elapsed" output method). Under this method, revenue is recognised on a straight-line basis over the term of the contract on an accrual basis.

ii) Recognition of revenue from contract modifications, claims and disputes

A contract modification is a change in the scope of the work, other than a change envisaged in the original contract that may result in a change in the revenue associated with that contract. In most cases, modifications to the original contract require the customer to give technical and financial approval to enable the Group to bill and collect the amounts relating to that additional work. The Group does not recognise revenue relating to contract modifications until the customer approves such modifications; however, in cases where the additional work has been approved but the corresponding change in price has not yet been determined, the Group only recognises the amount with respect to which it is highly probable that a significant reversal will not occur. The costs of producing these units are recognised when they are incurred, irrespective of whether or not the modification has been approved.

A claim is a request for indemnity made to the customer. For these claims, the Group applies the aforementioned method used in the case of modifications.

A dispute is the result of a discrepancy resulting from a claim made to the customer within the framework of the contract, the resolution of which is dependent on the mechanism established in the contract for the resolution of the dispute (whether conducted directly with the customer or through a court or arbitration proceeding). In this connection, revenue relating to disputes is not recognised, since the dispute demonstrates the absence of the customer's approval of the work completed.

iii) Balance sheet line items relating to revenue recognition

Amounts to be billed for work performed/amounts billed in advance for construction work

Unlike the method used to recognise contract revenue, the amounts billed to the customer are based on achievement of the various milestones established in the contract and on acknowledgement thereof by the customer through the certificate of completion. Accordingly, the amounts recognised as revenue for a given year do not necessarily coincide with the amounts billed to, or certified by, the customer. In the case of contracts in which the transfer of goods or services to the customer is more than the amount certified, the difference is recognised in an asset account called "Amounts to be Billed for Work Performed" under "Trade Receivables for Sales and Services", whereas in contracts in which the transfer of goods or services is less than the amount certified by the customer, the difference is recognised in a liability account called "Amounts Billed in Advance for Construction Work" under "Trade and Other Payables".

Costs to obtain and fulfil contracts

The Group recognises assets relating to the costs of obtaining a contract (bid costs) and to the costs incurred to fulfil a contract or setup costs (mobilisation costs) that are directly related to the principal contract, provided they will be recovered through performance of the contract.

Costs of obtaining a contract are only capitalised when they are directly related to a contract and it is probable that they will be recovered in the future and the contract has been awarded or the Group has been selected as the preferred bidder. Costs to obtain a contract that would have been incurred regardless of whether the contract was obtained are recognised as an expense unless those costs are explicitly chargeable to the customer regardless of whether the contract is obtained. They are amortised on a systematic basis that is consistent with the transfer to the customer of the goods or services to which the asset relates.

Costs to fulfil a contract are capitalised if they are expected to be recovered and they do not include expenses that would normally be incurred by the Group had the contract not been obtained. They are recognised in profit or loss on the basis of the proportion of actual output to estimated output under each contract. Otherwise, these costs are recognised directly in profit or loss.

iv) Provisions relating to contracts with customers

The main provisions relating to contracts with customers are provisions for construction contract completion and provisions for budgeted losses.

Provisions for construction contract completion. These cover the expenses expected to be incurred on completion of a contract. These provisions relate to a present obligation stipulated in the contract that is based on the fact that in order to settle the obligation there will probably be an outflow of resources from the company the amount of which can be estimated reliably. Provisions are recognised on the basis of the best possible estimates of the total expenditure required to settle the obligations. They can be determined as a percentage of the total expected revenue from the contract if historical information on similar contracts is available.

Provisions for budgeted losses. These provisions are recognised as soon as it becomes evident that the total envisaged expenses to be incurred in a contract exceed total expected contract revenue and they are included in the estimate of the total budget for the contract.

v) Financial component

In the case of performance obligations for which the period between when the entity transfers a promised good or service to the customer and when the customer pays for that good or service is less than one year, the Group applies the practical expedient permitted by IFRS 15 and does not adjust the promised amount of consideration for the effects of a significant financing component.

In cases in which there is a contractual or legal right to charge late-payment interest owing to a delay in collection with respect to the contractually established periods, such interest is only recognised when it is highly probable that it will actually be collected.

2.6.16. Leases and rights of use

Until IFRS 16 became effective (on 1 January 2019), leases of property, plant and equipment in which the Group acted as lessee and retained substantially all the risks and rewards incidental to ownership

of the assets were classified as finance leases. Finance leases were recognised at the inception of the lease at the lower of the fair value of the leased asset and the present value of the minimum lease payments. Each lease payment was apportioned between the reduction of the lease liability and the interest so as to produce a constant periodic rate of interest on the remaining balance of the lease liability. The payment obligation arising from the lease, net of the related interest, was recognised as long-term financial debt, with the exception of debts to be settled within 12 months. The interest portion of the finance charge was recognised in the consolidated statement of profit or loss over the term of the lease so as to produce a constant periodic rate of return on the remaining balance of the lease liability for each period. The items of property, plant and equipment acquired under finance leases were depreciated over the shorter of the useful life of the asset and the lease term.

The leases in which the lessor retained substantially all the risks and rewards incidental to ownership were classified as operating leases. In cases where the Group acted as lessee, the operating lease payments (net of any incentive received from the lessor) were recognised in the consolidated statement of profit or loss on a straight-line basis over the lease term.

In accordance with IFRS 16, which became effective on 1 January 2019, leases of property, plant and equipment the term of which exceeds one year and the value of which is significant are recognised as right-of-use assets along with the related lease liability on the date on which the leased asset is available for use by the Group.

The right of use relating to leased assets and the interest associated therewith represent the right to use the asset in question and the obligation to make payments by virtue of the lease, respectively.

Right-of-use assets relating to leases are measured at cost, which comprises:

- The amount of the initial measurement of the lease liability;
- Any lease payments made at or before the commencement date, less any lease incentives received; and
- Any initial direct costs.

Right-of-use assets are depreciated on a straight-line basis over the shorter of the useful life of the asset or the lease term.

The lease liability associated with the right-of-use asset includes the net present value of the lease payments.

The lease payments are discounted using the lessee's incremental borrowing rate, this being the rate that the individual lessee would have to pay to borrow over a similar term, and with a similar security, the funds necessary to obtain an asset of a similar value to the right-of-use asset in a similar economic environment.

The Group is exposed to potential future increases in the lease payments based on an index or a rate, which are not included in the lease liability until they take effect. The lease liability is then remeasured and adjusted against the right-of-use asset.

The lease payments are apportioned between principal portion and the interest portion. The interest portion is recognised in profit or loss over the lease term so as to produce a constant periodic rate of interest on the remaining balance of the liability for each period.

The lease term is determined as the non-cancellable period. If the Group has a unilateral option to extend or terminate the lease and is reasonably certain to exercise this option, the corresponding extension period or early termination will also be considered. The maximum estimated lease renewal term is four years, since there is no reasonable assurance that it will be extended beyond that period.

The lease term is reassessed if an option is actually exercised (or not exercised), or the Group becomes required to exercise it (or not to exercise it). Reasonable assurance is only reassessed upon the occurrence of either an event or a significant change in circumstances that affects this assessment and is within the control of the lessee.

2.6.17. Borrowing costs

Borrowing costs directly attributable to the acquisition, construction or production of assets that necessarily take a substantial period of time to get ready for their intended use or sale are added directly to the cost of those assets, until such time as the assets are ready for their intended use or sale.

Pursuant to IAS 23, investment income earned on the temporary investment of specific borrowings pending their expenditure on qualifying assets is deducted from the borrowing costs.

All other borrowing costs are recognised in the consolidated statement of profit or loss in the year in which they are incurred.

2.6.18. Income tax

The Group companies' income tax expense is calculated on the basis of accounting profit before tax, increased or decreased, as appropriate, by the permanent differences from taxable profit, net of tax relief and tax credits, excluding tax withholdings and prepayments made during the year.

Deferred tax assets and liabilities are the taxes expected to be recoverable or payable on differences between the carrying amounts of assets and liabilities in the consolidated financial statements and their tax bases. They are measured at the tax rates that are expected to apply in the period when the asset is realised or the liability is settled.

At 31 December 2019, most of the Spanish Group companies were being taxed under the consolidated tax regime and, accordingly, the income tax expense recognised in the consolidated statement of profit or loss relates to the sum of the tax expense of the consolidated tax group companies and that of the companies not forming part of the consolidated tax group, which are mainly the foreign companies.

2.6.19. Consolidated statement of cash flows

Cash flows are inflows and outflows of cash and cash equivalents, which are short-term, highly liquid investments that are subject to an insignificant risk of changes in value.

The consolidated statement of cash flows is prepared using the indirect method, i.e., on the basis of the changes in the consolidated statement of profit or loss and consolidated balance sheet, and is presented with comparable figures for two consecutive periods.

This statement reflects changes in consolidated cash flows in the year, classifying them as:

- Cash flows from operating activities: the principal revenue-producing activities of the Group companies and other activities that are not investing or financing activities. Interest received and paid, gains or losses on the disposal of non-current assets, adjustments to profits or losses generated by companies accounted for using the equity method and, in general, any results that do not generate cash flows are transferred out of "Cash Flows from Operating Activities" through "Other Adjustments to the Loss before Tax".

  Dividends received may be classified as cash flows from operating activities or investing activities. The Group chose to classify them as cash flows from operating activities.

- Cash flows from investing activities: those arising from the acquisition and disposal of non-current assets.

  Interest received may be classified as cash flows from operating activities or investing activities. The Group chose to classify it as cash flows from investing activities.

- Cash flows from financing activities: those arising from changes in borrowings, payment of the dividend, interest paid and changes in non-controlling interests.

  Interest paid may be classified as cash flows from operating activities or financing activities. The Group elected to classify interest paid as cash flows from financing activities.

2.6.20. Trade and other payables

The Group has entered into reverse factoring arrangements with various banks in order to facilitate early payment to its suppliers, under which suppliers may exercise their collection rights vis-à-vis the Group companies and obtain the amount billed less the finance costs of discounting and the fees charged by those banks.

These arrangements do not change the principal terms and conditions of payment to suppliers, such as the term or amount and, accordingly, the related amounts continue to be classified as trade payables.

At 31 December 2019, the reverse factoring balance under “Trade and Other Payables” related mainly to UTEs and amounted to EUR 14,755 thousand (31 December 2018: EUR 33,041 thousand).

2.6.21. Termination and post-employment benefits

The termination benefits that have to be paid to employees pursuant to the legislation applicable to each Group company are charged to the consolidated statement of profit or loss in the year in which they are paid.

If the Group were to establish a collective redundancy procedure, provisions for the related costs would be recognised in the consolidated statement of profit or loss when the detailed formal plan for the restructuring were established and communicated to the parties concerned.

The Group does not have any post-employment benefit obligations in the form of pension plans or other benefits.

3.- NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

3.1.- Intangible assets

The changes in "Intangible Assets" in the consolidated balance sheets in 2019 and 2018 were as follows:

	Thousands of euros
Cost	
Balances at 1 January 2018	**449,460**
Additions and disposals due to changes in the scope of consolidation	(2,391)
Additions	8,048
Disposals	(4,535)
Transfers and other	(150)
Exchange differences	12,873
Balances at 31 December 2018	**463,305**
Additions and disposals due to changes in the scope of consolidation	-
Additions	1,915
Disposals	(3,195)
Transfers and other	-
Exchange differences	5,772
Balances at 31 December 2019	**467,797**
Accumulated amortisation	
Balances at 1 January 2018	**218,012**
Additions and disposals due to changes in the scope of consolidation	(2,319)
Additions	26,691
Disposals	(1,734)
Net impairment losses	8,727
Transfers and other	(92)
Exchange differences	5,042
Balances at 31 December 2018	**254,327**
Additions and disposals due to changes in the scope of consolidation	-
Additions	24,161
Disposals	(2,472)
Net impairment losses	-
Transfers and other	-
Exchange differences	2,674
Balances at 31 December 2019	**278,690**
Net balances at 31 December 2018	**208,978**
Net balances at 31 December 2019	**189,107**

"Intangible Assets" includes mainly the values assigned on consolidation to the customer portfolio and backlog of the acquirees, which at 31 December 2019 amounted to EUR 177,713 thousand (net) (31 December 2018: EUR 193,387 thousand (net)).

The additions in 2019 relate to investments in computer software.

Intangible assets with a gross cost of EUR 53,414 thousand had been fully amortised and were still in use at 31 December 2019 (31 December 2018: EUR 46,290 thousand).

At the end of each reporting period or whenever there are indications of impairment, the Group tests the assets for impairment to determine whether the recoverable amount of the values assigned to the customer portfolio and backlog has been reduced to below their carrying amount.

Recoverable amount is the higher of carrying amount and value in use.

To determine the recoverable amount, the Group prepares projections on the basis of past experience and of the best estimates available, which are consistent with the information obtained from external sources. The projections used by the Group in its impairment tests were prepared on the basis of assumptions regarding changes in revenue and margins that reflected the best estimate of cash flows to be generated by the backlog of projects obtained and to be obtained of the cash-generating unit being tested.

The principal assumptions used in preparing these projections consisted of estimated revenue of approximately EUR 1,000 million, rising at a rate of 2.0% thereafter, with gross margins of between 6.5% and 7.0% and EBITDA of around 4.5%-5.0%. The results were discounted at a rate of 7.8%.

The foregoing did not disclose any impairment losses for the Group, and there were sufficient margins in this connection in the various sensitivity scenarios considered.

3.2.- Concession infrastructure

Concession arrangements are arrangements between a concession grantor, which is generally a public sector entity, and Group companies to provide services to the public through the operation of certain assets required for the provision of the service.

The concession right generally entails a monopoly on the provision of the service granted for a specified period of time, after which, in general, the concession assets required to provide the service have to be handed over to the concession grantor.

These projects are generally financed with long-term borrowings without recourse to the shareholder, secured mainly by the cash flows generated by the concession operator companies and their assets, accounts and contractual rights. Since cash flows constitute the main security for the repayment of the borrowings, there are restrictions on the use of the funds by the shareholders until certain conditions have been met, which is assessed each year.

The changes in "Concession Infrastructure" in the consolidated balance sheets in 2019 and 2018 were as follows:

	Thousands of euros		
	Intangible asset model	Financial asset model	Total
Cost			
Balances at 1 January 2018	**15,117**	**54,417**	**69,534**
Additions	2,256	3,563	5,819
Transfers and other	-	(35)	(35)
Balances at 31 December 2018	**17,373**	**57,945**	**75,318**
Additions	5	1,721	1,726
Disposals	(2)	-	(2)
Transfers and other	(687)	-	(687)
Balances at 31 December 2019	**16,689**	**59,666**	**76,355**
Accumulated amortisation			
Balances at 1 January 2018	**2,761**	**-**	**2,761**
Additions	621	-	621
Disposals	(235)	-	(235)
Balances at 31 December 2018	**3,147**	**-**	**3,147**
Additions	512	-	512
Disposals	-	-	-
Transfers and other	(71)	-	(71)
Balances at 31 December 2019	**3,588**	**-**	**3,588**
Net balances at 31 December 2018	**14,226**	**57,945**	**72,171**
Net balances at 31 December 2019	**13,101**	**59,666**	**72,767**

The Group's fully consolidated concession operators at 31 December 2019 were as follows:

Operator	Description of concession	Country	%	Projected future investment (thousands of euros)	Remaining period (in years)
Sociedad Concesionaria Aguas de Navarra, S.A.	Navarre canal	Spain	65	35,680	25
Sociedad Concesionaria Centro de Justicia de Santiago, S.A.	Law courts	Chile	100	-	6
Marina Urola, S.A.	Marina	Spain	51	-	8

At 31 December 2019, "Concession Infrastructure" included EUR 1,100 thousand relating to borrowing costs capitalised during the construction period (31 December 2018: EUR 1,787 thousand).

The breakdown, by company, of the carrying amount of "Concession Infrastructure" at 31 December 2019 is as follows:

	Thousands of euros
Intangible asset model	
Sociedad Concesionaria Aguas de Navarra, S.A.	12,227
Marina Urola, S.A.	837
Other	37
Total intangible asset model	**13,101**
Financial asset model	
Sociedad Concesionaria Aguas de Navarra, S.A.	59,666
Total financial asset model	**59,666**
Total	**72,767**

Impairment losses on concession infrastructure

At the end of each reporting period or whenever there are indications of impairment, the Group tests the assets for impairment to determine whether their recoverable amount has been reduced to below their carrying amount. Recoverable amount is the higher of fair value and value in use.

Also, sensitivity analyses were performed in various growth scenarios, particularly in relation to revenue, operating margins and the discount rates applied.

The Parent's directors consider that the tests are sensitive to their key assumptions, but these indicators are within a reasonable degree of sensitivity, which meant that no impairment losses were identified in 2019.

Generally, in order to calculate any possible impairment, the projected cash flows to be generated by the concessions are discounted.

The financial information on the companies for 2019 does not differ significantly from that considered in the projections and tests of 2018.

Based on the current information relating to the models, there are no indications of impairment and the investment will be recovered.

In relation to the investment in Sociedad Concesionaria Aguas de Navarra, S.A., the company is currently negotiating certain changes to the implementation schedule for the project and the associated financing with the Government and the banks. The recoverability of the investment was determined on the assumption that these negotiations, which are currently under way, will have a positive outcome in the short term (see Note 3.18.1.).

3.3.- Property, plant and equipment

The changes in "Property, Plant and Equipment" in the consolidated balance sheets in 2019 and 2018 were as follows:

	Thousands of euros					
	Land and buildings	Machinery	Other fixtures, tools and furniture	Advances and property, plant and equipment in the course of construction	Other items of property, plant and equipment	Total
Cost						
Balances at 1 January 2018	**118,518**	**383,177**	**97,749**	**13,261**	**61,648**	**674,353**
Additions and disposals due to changes in the scope of consolidation	(30,595)	(45,335)	(11,174)	(1,081)	(559)	(88,744)
Additions	11,080	32,880	2,590	8,646	5,872	61,068
Disposals	(16,675)	(22,983)	(3,850)	(5,279)	(7,244)	(56,031)
Transfers and other	(39,666)	(442)	(878)	(8,818)	(306)	(50,110)
Exchange differences	2,605	5,186	782	585	10	9,168
Balances at 31 December 2018	**45,267**	**352,483**	**85,219**	**7,314**	**59,421**	**549,704**
Additions and disposals due to changes in the scope of consolidation	-	-	-	-	-	-
Additions	37,474	29,316	3,890	12,658	15,179	98,517
Disposals	(3,568)	(30,746)	(3,186)	(9,620)	(8,502)	(55,622)
Transfers and other	-	(122)	(60)	(281)	(50)	(513)
Exchange differences	575	4,180	872	133	390	6,150
Balances at 31 December 2019	**79,748**	**355,111**	**86,735**	**10,204**	**66,438**	**598,236**
Accumulated depreciation						
Balances at 1 January 2018	**36,706**	**302,444**	**80,142**	**-**	**43,002**	**462,294**
Additions and disposals due to changes in the scope of consolidation	(16,557)	(38,048)	(9,917)	-	(536)	(65,058)
Additions	1,225	19,377	5,630	-	6,480	32,712
Disposals	(601)	(18,690)	(3,478)	-	(6,421)	(29,190)
Transfers and other	(1,268)	(347)	(722)	-	(510)	(2,847)
Exchange differences	236	2,987	1,119	-	45	4,387
Balances at 31 December 2018	**19,741**	**267,723**	**72,774**	**-**	**42,060**	**402,298**
Additions and disposals due to changes in the scope of consolidation	-	-	-	-	-	-
Additions	11,645	23,752	4,660	-	8,142	48,199
Disposals	(3,356)	(27,921)	(3,010)	-	(7,993)	(42,280)
Transfers and other	-	(33)	(40)	-	(324)	(397)
Exchange differences	263	2,630	961	-	173	4,027
Balances at 31 December 2019	**28,293**	**266,151**	**75,345**	**-**	**42,058**	**411,847**
Net balances at 31 December 2018	**25,526**	**84,760**	**12,445**	**7,314**	**17,361**	**147,406**
Net balances at 31 December 2019	**51,455**	**88,960**	**11,390**	**10,204**	**24,380**	**186,389**

In 2019 the Group recognised net asset additions, based on their nature, amounting to EUR 45,121 thousand as a result of the recognition of operating leases, pursuant to IFRS 16. This line items also includes the assets leased under finance leases, the accounting for which did not change with respect to that applied in accordance with the former IAS 17 (see Note 2.2.).

The Group's main operating leases relate to the lease of offices at its head office and the other operating centres of its subsidiaries.

The detail of the changes in 2019 in the right-of-use assets relating to leases and of the balances recognised in the consolidated balance sheet as at 31 December 2019 is as follows:

	Thousands of euros				
	Land and buildings	Machinery	Other fixtures, tools and furniture	Other items of property, plant and equipment	Total
Balances at 31 December 2018 relating to finance leases		6,133	184	908	7,225
First-time application of IFRS 16 at 1 January 2019	37,370	8,190	-	4,324	49,884
Additions	278	10,839	-	4,093	15,210
Period depreciation charge	(8,840)	(4,128)	(86)	(2,387)	(15,441)
Disposals and other	(1)	(4,389)	(5)	42	(4,353)
Balances at 31 December 2019	28,807	16,645	93	6,980	52,525

At 31 December 2019, items of property, plant and equipment with a carrying amount of EUR 383 thousand (31 December 2018: EUR 396 thousand) had been mortgaged as security for loans against which EUR 115 thousand had been drawn down (31 December 2018: EUR 138 thousand) (see Note 3.18.1.).

At 31 December 2019 and 2018, there were no material amounts relating to items of property, plant and equipment that were temporarily idle or retired from active use.

The Group takes out the insurance policies required to cover the possible risks to which its property, plant and equipment might be subject.

Property, plant and equipment with a gross cost of EUR 216,604 thousand had been fully depreciated and were still in use at 31 December 2019 (31 December 2018: EUR 193,938 thousand).

At 31 December 2019 and 2018, no amount had been recognised under "Property, Plant and Equipment" relating to borrowing costs capitalised during the construction period.

3.4.- Investment property

The changes in "Investment Property" in the consolidated balance sheets in 2019 and 2018 were as follows:

	Thousands of euros
Balances at 1 January 2018	73,284
Transfers to assets classified as held for sale and discontinued operations	(34,742)
Additions and disposals due to changes in the scope of consolidation	(26,949)
Additions	12,178
Disposals	(15,165)
Exchange differences	1,923
Balances at 31 December 2018	10,529
Additions and disposals due to changes in the scope of consolidation	-
Additions	-
Disposals	(525)
Exchange differences	99
Transfers	51
Balances at 31 December 2019	10,154

At 31 December 2019, certain items of investment property with a carrying amount of EUR 167 thousand (31 December 2018: EUR 172 thousand) had been mortgaged as security for loans against which EUR 79 thousand had been drawn down (31 December 2018: EUR 92 thousand) (see Note 3.18.1.).

3.5.- Goodwill

The detail of "Goodwill" in the consolidated balance sheets as at 31 December 2019 and 2018, by company giving rise to it, is as follows:

Companies giving rise to goodwill	Thousands of euros	
	2019	2018
Agrupación Guinovart Obras y Servicios Hispania, S.A.	2,492	2,492
Construcciones Adolfo Sobrino, S.A.	3,408	3,408
Constructora TP, S.A.C.	849	849
EyM Instalaciones, S.A.	99	99
OHL Servicios - Ingesan, S.A.U.	399	399
Total	**7,247**	**7,247**

In 2019 the Group analysed the recoverability of this goodwill based on the estimates and projections available, applying the discounted cash flow method. Following this analysis it was concluded that there were no indications of impairment.

3.6.- Financial assets

Investment securities

The detail of "Investment Securities" at 31 December 2019 and 2018 is as follows:

	Thousands of euros			
	2019		2018	
	Non-current	Current	Non-current	Current
Held-to-maturity securities	299	33,908	299	28,164
Available-for-sale securities	63,906	3	63,888	3
Subtotal	**64,205**	**33,911**	**64,187**	**28,167**
Impairment losses and write-downs	(3,928)	-	(3,928)	-
Total	**60,277**	**33,911**	**60,259**	**28,167**

The amounts of investment securities classified as current relate in full to securities maturing at over three months and at under 12 months.

"Impairment Losses" includes the estimated impairment losses that had to be recognised to write down the carrying amount of the investment securities to their fair value.

"Available-for-Sale Securities" includes mainly the amount of the investment in Cercanías Móstoles Navalcarnero, S.A., in liquidation, amounting to EUR 59,911 thousand.

There are court proceedings under way in relation to this asset, which are explained in Note 4.6.2.2.

Other receivables and deposits and guarantees given

The detail is as follows:

	Thousands of euros			
	2019		2018	
	Non-current	Current	Non-current	Current
Other receivables	265,718	28,215	240,420	63,272
Deposits and guarantees given	11,214	185,403	12,703	145,004
Impairment losses and write-downs	(4,956)	(18,519)	(4,381)	(13,961)
Total, net	**271,976**	**195,099**	**248,742**	**194,315**

If the loans granted to other entities pose any collection risk an impairment loss is recognised.

At 31 December 2019, "Other Receivables" and "Deposits and Guarantees Given" included:

1) A participating loan of EUR 18,587 thousand relating to Aeropistas, S.L. and Autopista Eje Aeropuerto Concesionaria Española, S.A. the recoverability of which is based on the success of the appeal for judicial review filed by the insolvency practitioners of the investees at the Supreme Court (see Note 4.3.2.) against the resolution adopted by the Spanish Cabinet on 26 April 2019 interpreting certain toll road concession arrangements in connection with the method used for calculating the "Governmental Liability" (Responsabilidad Patrimonial de la Administración (RPA)). This appeal challenged, inter alia: (1) the infrastructure amortisation method, which the Spanish Cabinet decided must be straight-line amortisation; and (2) the maximum limit of the RPA for the M12 toll road concession arrangement granted to Autopista Eje Aeropuerto Concesionaria Española, S.A. which the Spanish Cabinet set at EUR 305,471 thousand. Subsequently, in February 2020 the Spanish Cabinet gave preliminary notice of an amount for the RPA that was insufficient to meet the demands of the insolvency practitioners, which submitted the appropriate pleadings in this connection in March 2020 (see Note 4.6.2.2.).

2) An amount of EUR 15,869 thousand relating to guarantees of Cercanías Móstoles Navalcarnero, S.A. unduly enforced by the Autonomous Community Government of Madrid, which the Group considers, based on the opinion of its legal counsel, to be recoverable in full. In this regard, on 31 October 2019 a judgment was handed down on the appeal (judgment no. 231/16 of the Madrid Supreme Court, relating to the fine, adjudging the resolution under which the fine was imposed to be null and void (see Note 4.6.2.2.)).

3) This same line item includes a participating loan of EUR 125,879 thousand granted to Cercanías Móstoles Navalcarnero, S.A.

4) At 31 December 2019, "Non-Current Financial Assets – Other Receivables" includes loans to associates amounting to EUR 74,207 thousand.

5) Also, "Non-Current Financial Assets – Other Receivables" includes EUR 23,591 thousand relating to a loan to Operadora Lakanh, which earns interest at a market rate (see Note 3.8.).

6) Lastly, "Current Financial Assets – Deposits and Guarantees Given" includes a deposit of EUR 140,000 thousand securing the guarantee facility of EUR 313,764 thousand that forms part of the multi-product syndicated financing agreement (see Note 4.2.1.).

Impairment of Cercanías Móstoles Navalcarnero, S.A.

In relation to the financial assets associated with the investment in Cercanías Móstoles Navalcarnero, S.A., since that company is in liquidation, the Group considered the minimum recoverable amount to be the early termination value, which is estimated to exceed the carrying amount.

To calculate the early termination value, the provisions of Legislative Royal Decree 2/2000 were taken into account, which establish that in the event of termination of the concession arrangement the grantor must pay the concession operator the amounts invested for:

i. The compulsory purchase of land

ii. The construction work

iii. The acquisition of assets necessary to operate the concession

In addition to the foregoing, the particular administrative specifications of this concession arrangement provide for the payment, in any event, and regardless of the grounds for termination of the arrangement, of all the investments made to perform the arrangement, including those relating to construction work and installation projects, repair and major repair work, initially unforeseen construction work, and the investments to acquire and replace rolling stock, based in all cases on the level of amortisation of the investments.

The Group considers that the costs and amounts recognised are consistent with the foregoing items and, consequently, considers them to be recoverable.

All the foregoing supports the total carrying amount of EUR 203,659 thousand recognised by the Group, including the value of the ownership interest and other receivables, as upheld by studies conducted by independent legal and technical experts. In this regard, although there is uncertainty regarding when the liquidation will be resolved, and the ultimate amount to which the Group will be entitled, the directors consider that the latter will be higher than the carrying amount at 2019 year-end.

3.7.- Joint arrangements

3.7.1. Investments accounted for using the equity method

The investments accounted for using the equity method at 31 December 2019 and 2018 were as follows:

Companies	Thousands of euros	
	2019	2018
Joint ventures		
Consorcio Conpax OHL Valko, S.A.	2,943	261
Constructora Vespucio Oriente, S.A.	702	89
Health Montreal Collective CJV, L.P.	-	1,282
Nova Dàrsena Esportiva de Barà, S.A.	10,095	10,455
NCC - OHL Lund-Arlöv, fyra spar Handelsbolag	1,297	-
Rhatigan OHL Limited	402	2,346
Other	898	(592)
Associates		
Alse Park, S.L.	1,062	1,282
E.M.V. Alcalá de Henares, S.A.	1,948	1,947
Health Montreal Collective Limited Partnership	6,783	6,962
Nuevo Hospital de Toledo, S.A.	18,467	12,167
Proyecto Canalejas Group, S.L.	155,785	129,653
57 Whitehall Holdings S.A.R.L.	104,014	127,760
Other	(3,034)	(209)
Total	**301,362**	**293,403**

The changes in "Investments Accounted for Using the Equity Method" in the consolidated balance sheets in 2019 and 2018 were as follows:

	Thousands of euros	
	2019	2018
Beginning balance	**293,403**	**303,127**
Increases	62,581	212,544
Share of net loss for the year from continuing operations	(7,032)	(110,416)
Share of net profit for the year from discontinued operations	-	2,172
Decreases	(47,600)	(52,570)
Additions and disposals due to changes in the scope of consolidation	10	(54,463)
Transfers to non-current assets classified as held for sale	-	(6,991)
Ending balance	**301,362**	**293,403**

The most significant assets are those of Proyecto Canalejas Group, S.L. and 57 Whitehall Holdings S.A.R.L., the balances of which amount to EUR 155,785 thousand and EUR 104,014 thousand, respectively.

Canalejas

At 31 December 2019, the OHL Group had a 50.0% ownership interest in this project, which continues to be at the construction phase and is expected to be completed in the first half of 2020.

In 2019 contributions of EUR 23,392 thousand were made to the project.

Once the construction of the complex has been completed, the project company will begin to operate the project in accordance with the approved business plan. That business plan envisages, inter alia, the rotation of the various assets forming part of the complex once they reach a sufficient level of operational maturity. In this regard, in view of the various rights held by the project shareholders and the existing shareholder agreements, the Group will have access to the free cash flows when the other shareholder attains certain levels of profitability and, therefore, the recoverability of the Group's investment in Canalejas is based on the fulfilment of the most recent business plan approved by the project company.

Old War Office (57 Whitehall Holdings S.A.R.L.)

OHL Desarrollos holds a 49% ownership interest in the emblematic *Old War Office* project in London. The Group invested EUR 7,608 thousand in 2019.

The licensing phase has been completed successfully. The project investment process will continue as planned.

At 2019 year-end an adjustment of EUR (47,600) thousand was made to the carrying amount of the interest, based on the enhanced estimates of the fair value of the project based on offers received for the ownership interest held by the Group.

Appendices I, II and III include a list of the main investments accounted for using the equity method, showing the name, registered office, percentage of ownership and equity of the related companies and the net cost of each investment.

At 31 December 2019, the net loss of the joint ventures, in proportion to the Group's percentage of ownership, amounted to EUR (6,476) thousand.

At 31 December 2019, the net loss of the joint ventures, in proportion to the Group's percentage of ownership, amounted to EUR (556) thousand.

3.7.2. Joint operations

The Group undertakes certain of its business activities by participating in contracts that are executed jointly with other non-Group venturers, mainly through UTEs and other similar entities, which are proportionately consolidated in the Group's consolidated financial statements.

Following are the main aggregates at 31 December 2019 of the joint operations, in proportion to the percentage of ownership, which the Group considers not to be material taken individually:

	Thousands of euros
Non-current assets	43,602
Current assets	713,422
Non-current liabilities	4,417
Current liabilities	741,088
Revenue	721,347
Profit from operations	76,860
Profit before tax	74,657

There is no individual joint operation that is material with respect to the Group's assets, liabilities and results.

3.8.- Non-current assets and liabilities classified as held for sale and discontinued operations

At 31 December 2019, there were no binding sale agreements that would have made it necessary to reclassify assets or liabilities as held for sale in accordance with IFRS 5.

In 2019 the Group completed the sale of all the companies and/or assets making up the Ciudad de Mayakoba project, a process that commenced in October 2018 as a result of the sale agreement reached with Operadora Lakahn, S.A. de C.V. The sale transactions did not give rise to any gain or loss additional to the amounts estimated in 2018.

The agreement entered into at 2018 year-end included terms and conditions blocking the management of the assets, which meant that the Group was not able to exercise power over the relevant activities relating to the assets pending sale without the express approval of the buyer. The operations of the Development business were discontinued in 2018.

At 31 December 2018, in accordance with IFRS 5, the assets and liabilities associated with the sale agreement were classified as "Non-Current Assets Held for Sale and Discontinued Operations" and "Liabilities Associated with Non-Current Assets Held for Sale and Discontinued Operations, respectively, at the estimated value of the transaction less the costs of disposal.

Also, on 12 April 2018 the sale was completed and all the share capital of OHL Concesiones, S.A.U. was transferred to IFM Global Infrastructure Fund. This sale agreement was entered into in 2017 and the operations of the Concessions business were classified as discontinued operations at the end of 2017.

Loss for 2018 from discontinued operations, net of tax

Set forth below is a summary of the total impact that the divestments of the Concessions and Development Divisions had on the consolidated statement of profit or loss in 2018.

	Concessions	Development	Total
Revaluation losses	(549,868)	(45,771)	(595,639)
Gains on disposal	47,550	-	47,550
Profit (Loss) after tax before the disposal	115,738	(117,940)	(2,202)
Total loss for the year from discontinued operations, net of tax	**(386,580)**	**(163,711)**	**(550,291)**
Profit from discontinued operations attributable to non-controlling interests	(71,618)	-	(71,618)
Total loss contributed	**(458,198)**	**(163,711)**	**(621,909)**

In addition to the loss on the sale, in accordance with IAS 21, The Effects of Changes in Foreign Exchange Rates, the Group transferred the amounts associated with the related valuation adjustments to profit or loss as follows:

- In connection with the Concessions Division sold, EUR (549,868) thousand relating to the translation differences and the value of the financial instruments that had been recognised in the Group's consolidated equity.

- In connection with the Development Division, EUR (45,771) thousand relating to translation differences, as it was considered that, as a result of the sale agreement entered into, control of these companies had been lost.

This transfer related to the reclassification of the aforementioned amounts from "Valuation Adjustments" to profit or loss, and did not have any effect on the Group's total consolidated equity.

3.9.- Trade and other receivables

Trade receivables for sales and services

The detail of "Trade Receivables for Sales and Services" at 31 December 2019 and 2018 is as follows:

	Thousands of euros	
	2019	2018
Trade receivables for sales and services		
Amounts to be billed for work or services performed	399,600	465,586
Progress billings receivable	520,695	532,890
Retentions	121,915	120,373
Trade notes receivable	6,759	4,861
Subtotal	**1,048,969**	**1,123,710**
Customer advances	(517,372)	(601,285)
Total net of advances	**531,597**	**522,425**
Impairment losses and write-downs	(96,691)	(98,548)
Total, net	**434,906**	**423,877**

At 31 December 2019, the balance of the trade receivables had been reduced by EUR 64,916 thousand (31 December 2018: EUR 82,361 thousand) as a result of trade receivables being factored

to banks. Since these factoring arrangements are without recourse in the event of non-payment, they are treated as a reduction of trade receivables.

The detail of "Trade Receivables for Sales and Services" by type of customer is as follows:

	Thousands of euros	
	2019	2018
Spain	**295,344**	**305,634**
Public sector	**124,488**	**129,326**
Central government	10,336	17,376
Autonomous community governments	3,759	10,360
Local governments	1,559	1,465
Other agencies	108,834	100,125
Private sector	**170,856**	**176,308**
Abroad	**753,625**	**818,076**
Total	**1,048,969**	**1,123,710**

At 31 December 2019, 74.4% (EUR 560,251 thousand) of the total balance of "Trade Receivables for Sales and Services – Abroad" related to the public sector and 25.6% (EUR 193,374 thousand) to the private sector.

Of the balance of "Progress Billings Receivable" and "Trade Notes Receivable", totalling EUR 527,454 thousand at 31 December 2019, 76.5% (EUR 343,727 thousand) relate to the public sector and 23.5% (EUR 183,727 thousand) to the private sector.

The aging of this balance is as follows:

	Thousands of euros		
	Type of customer		
	Public sector	Private sector	Total
0 to 90 days	247,844	77,512	325,356
91 to 180 days	13,252	9,098	22,350
181 to 360 days	17,415	3,971	21,386
More than 360 days	65,216	93,146	158,362
Total	**343,727**	**183,727**	**527,454**

Of the balance of "Progress Billings Receivable" and "Trade Notes Receivable", totalling EUR 537,751 thousand at 31 December 2018, 61.0% (EUR 327,630 thousand) related to the public sector and 39.0% (EUR 210,121 thousand) to the private sector.

The aging of this balance is as follows:

	Thousands of euros		
	Type of customer		
	Public sector	Private sector	Total
0 to 90 days	266,741	55,505	322,246
91 to 180 days	20,356	43,987	64,343
181 to 360 days	16,404	3,478	19,882
More than 360 days	24,129	107,151	131,280
Total	**327,630**	**210,121**	**537,751**

The changes in the impairment allowances in 2019 and 2018 were as follows:

	Thousands of euros
Balance at 1 January 2018	(299,625)
Impairment allowance recognised due to application of IFRS 9	(5,000)
Allowances recognised and used	1,397
Reversal of allowance due to application of IFRS 15	204,680
Balance at 31 December 2018	(98,548)
Allowances recognised and used	1,857
Balance at 31 December 2019	(96,691)

In order to determine the amount of the loss allowances, estimates are made considering any failure to meet payment obligations under the contracts and the probability of default, which are analysed for each contract and customer. At each reporting date the information is updated to determine the recoverable amount.

Other supplementary information on construction and industrial contracts under which the related revenue and costs are recognised by reference to the stage of completion

Contract revenue associated with construction contracts and certain services contracts is recognised by reference to the stage of completion (see Note 2.6.15.).

As indicated in that Note, the difference between the revenue recognised and the amounts actually billed to the customer is analysed systematically on a contract-by-contract basis. If the amount billed is lower than the revenue recognised, the difference is recognised as an asset under "Trade Receivables for Sales and Services - Amounts to Be Billed for Work Performed", whereas if the amount of revenue recognised is lower than the amount billed, a liability is recognised under "Trade and Other Payables - Customer Advances - Amounts Billed in Advance for Construction Work".

Also, in certain construction contracts advances are agreed upon that are paid by the customer when work commences on the contract, the balance of which is offset against the various progress billings as the contract work is performed. This balance is recognised under "Trade and Other Payables" on the liability side of the consolidated balance sheet.

Also, in certain contracts the customer retains a portion of the price to be paid in each progress billing to guarantee the fulfilment of certain obligations under the contract. These retentions are not reimbursed until the contract is definitively settled. These balances are recognised under "Trade and Other Receivables" on the asset side of the consolidated balance sheet.

The detail of the amounts recognised in this connection at 31 December 2019 and 2018 is as follows:

	Thousands of euros			
	2019	2018	Difference	Change %
Amounts to be billed for work performed	380,143	419,091	(38,948)	-9.3%
Customer advances	(517,372)	(601,285)	83,913	-14.0%
Construction contracts, net	**(137,229)**	**(182,194)**	**44,965**	**-24.7%**
Retentions	121,871	120,373	1,498	1.2%
Net amount after advances and retentions	**(15,358)**	**(61,821)**	**46,463**	**-75.2%**

Other receivables

The detail of the other receivables at 31 December 2019 and 2018 is as follows:

	Thousands of euros					
	2019			2018		
	Gross balance	Write-downs	Net balance	Gross balance	Write-downs	Net balance
Receivable from associates	182,643	(2,129)	180,514	150,361	(2,966)	147,395
Employee receivables	1,346	-	1,346	2,214	-	2,214
Tax receivables (Note 3.22.)	83,213	-	83,213	84,203	-	84,203
Sundry accounts receivable	45,938	(5,667)	40,271	51,590	(6,356)	45,234
Total	**313,140**	**(7,796)**	**305,344**	**288,368**	**(9,322)**	**279,046**

The balances receivable from associates relate mainly to transactions associated with the Group's normal business activities, which are performed on an arm's length basis.

The net balance of "Sundry Accounts Receivable" at 31 December 2019 and 2018 relates to the provision of services and leases and sales of machinery and materials.

3.10.- Other current assets

"Other Current Assets" at 31 December 2019 includes mainly the following balances with related companies:

- A nominal amount of EUR 88,150 thousand (2018: EUR 83,878 thousand) relating to a loan to Grupo Villar Mir, S A.U. This loan is secured by a security interest in all the shares of Pacadar, S.A. and earns annual interest at 5.5%; and
- a nominal amount of EUR 37,547 thousand (31 December 2018: EUR 35,223 thousand) relating to a loan to Pacadar, S.A., which earns annual interest at 5.0% and has additional security provided by Grupo Villar Mir, S.A.U. This loan was acquired from OHL Concesiones, S.A.U. as a result of the sale of all its share capital.

In 2019 the Parent entered into an agreement with Grupo Villar Mir, S A.U. and Pacadar, S A., as a result of the negotiations held with a view to ensuring the full recovery of the loans granted and which led, on the one hand, to the extension of the maturities until 30 September 2020 and, on the other, to the reinforcement of the economic terms and conditions and the terms and conditions relating to the collateral provided to the Parent, including a security interest in all the shares of Pacadar, S.A.

As a result of the foregoing, the Parent's directors consider that the recoverable amount of the loans approximates their carrying amount.

3.11.- Cash and cash equivalents

"Cash and Cash Equivalents" relates to the Group's fully liquid assets and includes cash on hand and at banks and short-term bank deposits with an original maturity of three months or less. These balances are not restricted as to their use and are not subject to a risk of changes in value. Most of the balances relate to short-term deposits.

At 31 December 2019, "Cash and Cash Equivalents" included EUR 240,848 thousand relating to cash balances of UTEs in which the Parent has an interest and branches abroad.

3.12.- Share capital

The changes in the share capital of the Parent in 2019 and 2018 were as follows:

	Number of shares	Par value (thousands of euros)
Number of shares and par value of share capital at 1 January 2018	298,758,998	179,255
Capital reduction	12,210,709	(7,326)
Number of shares and par value of share capital at 31 December 2018	286,548,289	171,929
Number of shares and par value of share capital at 31 December 2019	286,548,289	171,929

The shareholders at the Extraordinary General Meeting held on 9 January 2018 resolved to reduce the share capital by EUR 7,326 thousand by retiring 12,210,709 treasury shares of EUR 0.60 par value each, representing 4.087% of the share capital.

Following this capital reduction, the share capital of Obrascón Huarte Lain, S.A. stood at EUR 171,928,973.40, divided into 286,548,289 shares of EUR 0.60 par value each, all of the same class and series. The shares are listed on the Madrid and Barcelona Stock Exchanges and are traded on the Spanish Stock Market Interconnection System.

The capital reduction was charged to unrestricted reserves and did not give rise to a reimbursement of shareholder contributions. The Company recognised a reserve for an amount equal to the par value of the retired shares, use of which will be subject to the same requirements as those for the capital reduction, as provided for in the Spanish Limited Liability Companies Law, and, consequently, the Parent's creditors will not be entitled to object to the capital reduction.

The detail of the companies with a direct or indirect ownership interest of 3% or more in the share capital of Obrascón Huarte Lain, S.A. at 31 December 2019 is as follows:

Company	% of ownership
Inmobiliaria Espacio, S.A.	33.317
Simon Davies	3.282
Sand Grove Opportunities Master Fund Ltd.	3.032

3.13.- Share premium

The share premium balance at 31 December 2019 and 2018 amounted to EUR 1,265,300 thousand.

The Consolidated Spanish Limited Liability Companies Law expressly permits the use of the share premium account balance to increase the capital of the entities at which it is recognised and does not establish any specific restrictions as to its use.

3.14.- Treasury shares

The changes in the treasury shares held in 2019 and 2018 were as follows:

	No. of shares	Thousands of euros
Balance at 1 January 2018	**12,531,939**	**48,638**
Treasury shares purchased	24,897,366	65,592
Treasury shares sold	(24,706,785)	(66,840)
Treasury shares retired	(12,210,709)	(47,020)
Balance at 31 December 2018	**511,811**	**370**
Treasury shares purchased	33,379,697	34,321
Treasury shares sold	(33,376,471)	(34,156)
Balance at 31 December 2019	**515,037**	**535**

3.15.- Reserves

The detail of the reserves in the consolidated balance sheets in 2019 and 2018 is as follows:

	Thousands of euros	
	2019	2018
Restricted reserves of the Parent		
Legal reserve	34,386	11,969
Reserve for retired capital	11,182	11,182
Subtotal	**45,568**	**23,151**
Voluntary and consolidation reserves		
Attributable to the Parent	(565,632)	1,327,741
Attributable to the consolidated companies	(103,960)	(298,301)
Subtotal	**(669,592)**	**1,029,440**
Total	**(624,024)**	**1,052,591**

Legal reserve

Under the Spanish Limited Liability Companies Law, 10% of net profit for each year must be transferred to the legal reserve until the balance of this reserve reaches at least 20% of the share capital. The legal reserve can be used to increase capital provided that the remaining reserve balance does not fall below 10% of the increased share capital amount. Otherwise, until the legal reserve exceeds 20% of share capital, it can only be used to offset losses, provided that sufficient other reserves are not available for this purpose.

At year-end the legal reserve had reached the legally required minimum.

Reserve for retired capital

The balance of "Reserve for Retired Capital" amounted to EUR 11,182 thousand at 31 December 2019 and 2018 as a result of the capital reductions performed in 2018 amounting to EUR 7,326 thousand, in 2009 amounting to EUR 2,625 thousand and in 2006 amounting to EUR 1,231 thousand, through the retirement of treasury shares, and pursuant to current legislation safeguarding the guarantee provided by equity vis-à-vis third parties.

This reserve is restricted as to its use and may only be used if the same requirements as those stipulated for capital reductions are met, i.e., the shareholders at the Annual General Meeting must decide on its use.

Limitations on the distribution of dividends

Until the balance of development expenditure has been fully amortised, no dividends may be distributed unless the unrestricted reserves are at least equal to the amount of the unamortised balance of this heading. Consequently, at the end of 2019 EUR 3,510 thousand of the Parent's "Share Premium" and "Other Reserves" were restricted.

Reserves of consolidated companies

The detail, by company, of the balances of "Reserves of Consolidated Companies" in the consolidated balance sheets as at 31 December 2019 and 2018 is as follows:

Company	Thousands of euros	
	2019	2018
Community Asphalt Corp.	(97,429)	(57,146)
Constructora de Proyectos Viales de México, S.A. de C.V.	155,393	156,881
E y M Arabia, LLC	19,908	19,775
Health Montreal Collective CJV, L.P.	(264,083)	(162,360)
IEPI México, S.A. de C.V.	13,917	8,565
Judlau Contracting, Inc.	27,267	23,023
Obrascón Huarte Lain, Construcción Internacional, S.L.	(77,576)	(161,660)
Obrascón Huarte Lain, Desarrollos, S.L.	-	(120,920)
OHL Andina, S.A.	24,792	19,290
OHL Arabia, LLC	3,412	14,754
OHL Building, Inc.	(33,197)	(34,719)
OHL Central Europe, a.s.	(120,429)	(96,915)
OHL Construction Canada and FCC Canada Limited Partnership	(78,448)	(88,488)
OHL Construction Canada, Inc.	(78,510)	(47,474)
OHL Finance, S.à.r.l.	380,887	301,037
OHL Industrial, S.L.	(4,601)	2,082
OHL Servicios-Ingesan, S.A.U.	8,618	12,138
OHL USA, Inc.	(9,856)	(113,641)
OHL ŽS, a.s.	45,906	40,522
Sociedad Concesionaria Centro de Justicia de Santiago, S.A.	12,475	11,840
Other	(32,405)	(24,885)
Total	**(103,960)**	**(298,301)**

3.16.- Valuation adjustments

Valuation adjustments relating to hedges

The valuation adjustments relating to hedges include the amount of the changes in the fair value of financial derivatives, net of the related tax effect.

The changes in the valuation adjustments relating to hedges in 2019 and 2018 were as follows:

	Thousands of euros	
	2019	2018
Beginning balance	**(10,214)**	**(20,668)**
Net change in the year at fully consolidated companies	(2,583)	10,586
Net change in the year at companies accounted for using the equity method	(3,503)	(132)
Ending balance	**(16,300)**	**(10,214)**

Translation differences

The detail, by country and company, of the translation differences at 31 December 2019 and 2018 is as follows:

Country	Thousands of euros	
	2019	2018
Saudi Arabia	4,524	4,223
Argentina	(2,585)	(2,584)
Canada	(4,053)	20,126
Colombia	(1,922)	(1,532)
Mexico	(30,883)	(36,597)
Chile	(7,000)	(2,339)
Peru	467	252
United Kingdom	(1,256)	(8,294)
Czech Republic	2,928	27
US	13,941	10,187
Other countries	(560)	1,281
Total	**(26,399)**	**(15,250)**

It should be noted that in 2018 the Group transferred to profit or loss the amounts associated with the translation differences contributed by the Concessions Division that was disposed of, which had been recognised in the Group's consolidated equity and totalled EUR (540,545) thousand.

Also, in accordance with IAS 21, The Effects of Changes in Foreign Exchange Rates, in 2018 the Group transferred to profit or loss the amounts associated with the translation differences contributed by the Development Division, amounting to EUR (45,771) thousand, since it considered that as a result of the signed sale agreement control of the companies to be sold had been lost.

These transfers relate to the reclassification of the aforementioned amounts from "Translation Differences" to profit or loss, and did not have any effect on the Group's total consolidated equity.

3.17.- Non-controlling interests

The balance of "Non-Controlling Interests" in the consolidated balance sheet reflects the interest of non-controlling shareholders in the fully consolidated companies. The balance relating to non-controlling interests in the consolidated statement of profit or loss reflects the share of non-controlling shareholders in the profit or loss.

The detail of "Non-Controlling Interests" in the consolidated balance sheet as at 31 December 2019 is as follows:

Company	Thousands of euros
	2019
Sociedad Concesionaria Aguas de Navarra, S.A.	1,469
Estación Rebombeo Degollado, S.A.P.I. de C.V.	(1,642)
Hidrógeno Cadereyta, S.A.P.I. de C.V.	(970)
Hidro Parsifal, S.A. de C.V.	(189)
Marina Urola, S.A.	425
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.	(3,241)
Total	**(4,148)**

The detail of "Non-Controlling Interests" in the consolidated balance sheet as at 31 December 2018 is as follows:

Companies	Thousands of euros
	2018
Sociedad Concesionaria Aguas de Navarra, S.A.	3,157
Estación de Rebombeo Degollado, S.A.P.I. de C.V.	(1,513)
Hidrógeno Cadereyta, S.A.P.I. de C.V.	(1,036)
Hidro Parsifal, S.A. de C.V.	(237)
Marina Urola, S.A.	597
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.	(2,404)
OHL ŻS, a.s.	320
Other	12
Total	**(1,104)**

The detail of "(Profit) Loss from Continuing Operations Attributable to Non-Controlling Interests" in 2019 is as follows:

Company	Thousands of euros
	2019
Sociedad Concesionaria Aguas de Navarra, S.A.	(234)
Estación de Rebombeo Degollado, S.A.P.I. de C.V.	(38)
Hidrógeno Cadereyta, S.A.P.I. de C.V.	126
Hidro Parsifal, S.A. de C.V.	61
Marina Urola, S.A.	29
OHL Industrial & Partners LLC	197
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.	(682)
Total	**(541)**

The detail of "(Profit) Loss from Continuing Operations Attributable to Non-Controlling Interests" in 2018 is as follows:

Company	Thousands of euros
	2018
Sociedad Concesionaria Aguas de Navarra, S.A.	(251)
Estación de Rebombeo Degollado, S.A.P.I. de C.V.	462
Hidrógeno Cadereyta, S.A.P.I. de C.V.	1,656
Hidro Parsifal, S.A. de C.V.	(684)
Marina Urola, S.A.	(24)
OHL Industrial & Partners LLC	(5,983)
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.	2,858
OHL ŻS, a.s.	126
Other	(44)
Total	**(1,884)**

The detail of the percentages of ownership and the company name of the non-controlling shareholders at 31 December 2019 of the fully consolidated Group companies is as follows.

Company	% non-controlling interests	Company name
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.	50%	Senermex Ingeniería y Sistemas, S.A. de C.V.
Consorcio Aura - OHL, S.A.	35%	Aura Ingeniería, S.A.
Estación Rebombeo Degollado, S.A.P.I. de C.V.	50%	Construcciones Industriales Tapia, S.A. de C.V.
Hidrógeno Cadereyta, S.A.P.I. de C.V.	41%	KT Kinetics Technology, SPA
	5.4%	Construcciones Industriales Tapia, S.A. de C.V.
Hidro Parsifal, S.A. de C.V.	10%	José Federico Ramos Elorduy Wolfslindseder
	5%	María de Lourdes Bernarda Ramos Elorduy
	5%	Grupo HI, S.A. de C.V.
Marina Urola, S.A.	47.34%	Servicios Náuticos Astilleros Elkano, S.L.
	1.66%	Marinas del Mediterráneo, S.L.
OHL Industrial and Partners LLC	30%	Faisal Hamid Ahmed Ghazali
Sociedad Concesionaria Aguas de Navarra, S.A.	35%	Sociedad General de Aguas de Barcelona, S.A.

3.18.- Bank borrowings and debt instruments and other marketable securities

At 31 December 2019, the bank borrowings and debt instruments and other marketable securities amounted to EUR 729,108 thousand, and their maturities, by year, are as follows:

	Thousands of euros						
	2020	2021	2022	2023	2024	Subsequent years	Total
Bank borrowings	57,380	15	15	16	16	88	**57,530**
Debt instruments and other marketable securities	83,691	-	320,862	267,025	-	-	**671,578**
Total bank borrowings and debt instruments and other marketable securities	141,071	15	320,877	267,041	16	88	**729,108**

3.18.1- Bank borrowings

The detail of the bank borrowings at 31 December 2019, by maturity, is as follows:

	Thousands of euros						
	2020	2021	2022	2023	2024	Subsequent years	Total
Mortgage loans	44	15	15	16	16	88	194
Loans and credit facilities	3,344	-	-	-	-	-	3,344
Total mortgage and other loans	**3,388**	**15**	**15**	**16**	**16**	**88**	**3,538**
Loans of concession operators	53,770	-	-	-	-	-	53,770
Total loans	**57,158**	**15**	**15**	**16**	**16**	**88**	**57,308**
Unmatured accrued interest payable	19	-	-	-	-	-	**19**
Unmatured accrued interest payable of concession operators	203	-	-	-	-	-	**203**
Total unmatured accrued interest payable	**222**	-	-	-	-	-	**222**
Total	**57,380**	**15**	**15**	**16**	**16**	**88**	**57,530**

At 31 December 2019, the bank borrowings hedged by interest rate derivatives represented 80.02% of the total (31 December 2018: 80.7%).

- Mortgage loans

  At 31 December 2019, certain items of property, plant and equipment amounting to EUR 383 thousand (31 December 2018: EUR 396 thousand) had been mortgaged as security for loans totalling EUR 115 thousand (31 December 2018: EUR 138 thousand) (see Note 3.3.).

  At 31 December 2019, certain items of investment property amounting to EUR 167 thousand (31 December 2018: EUR 172 thousand) had been mortgaged as security for loans totalling EUR 79 thousand (31 December 2018: EUR 92 thousand) (see Note 3.4.).

- Loans, credit facilities and loans of concession operators

	Thousands of euros	
	2019	2018
Limit	95,538	104,993
Amount drawn down	**57,114**	**67,192**
Undrawn balance	38,424	37,141

The average interest rate on the amounts drawn down was 3.22% in 2019 (2018: 3.14%).

- Loans of concession operators

  At 31 December 2019, this line item amounted to EUR 53,770 thousand and related to the loan of the concession operator Aguas de Navarra, S.A. This debt is classified as borrowings without recourse to the shareholders. The loan is classified as a current liability due to a breach of contractual clauses (see Note 3.2.). Drawdowns against the available project finance, amounting to EUR 36,676 thousand, have been prohibited by the banks until an agreement is reached on certain modifications to the project timetable (see Note 3.2.).

  The debt is hedged with an interest rate derivative with a notional value of EUR 72,378 thousand that fixes the interest rate at 3.28% and expires in 2039.

3.18.2.- Debt instruments and other marketable securities

The detail of "Debt Instruments and Other Marketable Securities" in the consolidated balance sheets as at 31 December 2019 and 2018 is as follows:

	Thousands of euros	
	2019	2018
Corporate bond issues (long-term)	587,887	659,298
Corporate bond issues (short-term)	83,691	10,435
Commercial paper issue (short-term)	-	3,697
Total	**671,578**	**673,430**

The detail, by maturity, of the corporate bonds is as follows:

	Thousands of euros						
	2020	2021	2022	2023	2024	Subsequent years	Total
Corporate bond issues	83,691	-	320,862	267,025	-	-	671,578
Total	**83,691**	**-**	**320,862**	**267,025**	**-**	**-**	**671,578**

The features of the corporate bonds are as follows:

	Issuer	Thousands of euros		Year of final maturity	Issue currency	Market price (31/12/19)
		2019	2018			
2012	Obrascón Huarte Lain, S.A.	74,886	74,699	2020	Euro	100.01%
2014	Obrascón Huarte Lain, S.A.	325,337	324,453	2022	Euro	70.02%
2015	Obrascón Huarte Lain, S.A.	271,355	270,581	2023	Euro	69.64%
Total		**671,578**	**669,733**			

The corporate bond issues were launched by the Parent in Europe. These bonds are traded on the secondary market of the London Stock Exchange.

The balances relating to the corporate bond issues include the principal, unamortised arrangement expenses and accrued interest payable at 31 December 2019.

The main changes in each of the three bond issues since their launch, including the bondholders' exercise of the put option in 2018 whereby the Group redeemed its bonds by paying 101% of the face value plus the accrued coupon, were as follows:

	Thousands of euros
March 2012 issue (maturity 2020)	**300,000**
Repurchase November 2015	(37,583)
Early redemption March 2017	(32,058)
Early redemption August 2017	(13,780)
Repurchase September 2017	(9,500)
Repurchase October 2017	(20,000)
Interest and other	3,065
Repurchase May 2018	(113,774)
Interest and other	(1,671)
Balance at 31 December 2018	**74,699**
Interest and other	187
Balance at 31 December 2019	**74,886**

This issue matured on 15 March 2020 and the principal of EUR 73,305 thousand plus the related interest were settled (see Note 5).

	Thousands of euros
March 2014 issue (maturity 2022)	**400,000**
Repurchase September 2017	(5,500)
Interest and other	626
Repurchase May 2018	(71,481)
Interest and other	808
Balance at 31 December 2018	**324,453**
Interest and other	884
Balance at 31 December 2019	**325,337**

	Thousands of euros
March 2015 issue (maturity 2023)	**325,000**
Early redemption November 2015	(8,137)
Repurchase September 2017	(4,000)
Interest and other	(102)
Repurchase May 2018	(42,994)
Interest and other	814
Balance at 31 December 2018	**270,581**
Interest and other	774
Balance at 31 December 2019	**271,355**

The average interest rate on the bond issues was 5.37% in 2019 (2018: 5.48%).

The Parent has certain financial obligations in relation to the aforementioned issues. The Parent's directors, on the basis of advice received, consider that all these obligations envisaged in the financing agreements were being met at the end of the year.

Obrascón Huarte Lain, S.A.'s bond issues include a sale option clause for the bondholders in the event of third-party takeover of the Parent.

3.18.3.- Other marketable securities

At 31 December 2018, the Parent had a commercial paper issue facility with an outstanding balance of EUR 3,697 thousand. This commercial paper facility was cancelled in May 2019. The commercial paper issues bore average interest at 0.98% in 2018.

3.19.- Other financial liabilities

Lease liabilities

The accounting policy affecting the leases as a result of the application of IFRS 16 and the impact of the first-time application of that IFRS on the Group's consolidated financial statements at 1 December 2019 are disclosed in Note 2.2.

The detail, by type of debt, of the liabilities associated with leases at 31 December 2019 and 2018 is as follows:

	Thousands of euros			
	31/12/19	01/01/19	IFRS 16	31/12/18
Under non-current liabilities	31,483	38,058	35,822	2,236
Under current liabilities	18,170	17,098	14,062	3,036
Total	**49,653**	**55,156**	**49,884**	**5,272**

The detail, by maturity, of the lease liabilities at 31 December 2019 is as follows:

	Thousands of euros						
	2020	2021	2022	2023	2024	Subsequent years	Total
Lease liabilities	18,170	11,741	9,900	7,967	204	1,671	49,653
Total	**18,170**	**11,741**	**9,900**	**7,967**	**204**	**1,671**	**49,653**

Derivative financial instruments

The Group uses derivative financial instruments, such as currency forwards, interest rate swaps and interest rate options in order to mitigate the economic effects of exchange rate and interest rate fluctuations to which it is exposed as a result of its business activities.

It is not permitted at the Group to arrange derivatives for speculative purposes.

No collection risks are expected to arise in relation to the amounts that the banks have undertaken to pay to the Group in the future on the basis of the derivatives arranged, since the banks with which they were arranged are highly solvent.

The derivatives arranged by the Group are basically measured by discounting the future cash flows. Interest rate options are measured using a widely accepted pricing model (Black-Scholes). In all cases, they are measured in accordance with the contractual and market conditions prevailing at the date of measurement, including credit risk in accordance with IFRS 13.

The fair value of the derivatives is determined directly or indirectly using the information available in the various markets (foreign currency, fixed income and equity securities, interbank and other organised markets).

The inputs used to measure the derivatives arranged can be classified into three categories based on the degree to which their fair value is directly observable in the market:

Level 1: the derivatives arranged whose characteristics are identical to those of instruments listed on an active market.

Level 2: the derivatives arranged whose characteristics are not identical to those of instruments listed on an active market but whose fair value can be inferred from prices listed on one or several active markets.

Level 3: the derivatives arranged which cannot be classified in Levels 1 or 2.

All the inputs used to measure the derivatives arranged by the Group are Level 2.

The main criteria relating to derivatives are described in Note 2.6.13. Set forth below is a description of how the fair values of the derivatives arranged by the Group were accounted for at 31 December 2019 as other financial assets or liabilities and of their impact, net of taxes, on equity.

Foreign currency derivatives

The Group arranges currency forwards in order to avoid the economic impact that exchange rate fluctuations might have on payment obligations and collection rights in foreign currencies.

Following is a detail of the outstanding currency forwards at 31 December 2019, indicating, on the one hand, the nominal amounts in euros of the forwards, i.e., the amounts that the Group and the banks have agreed to exchange in euros in exchange for paying or receiving certain amounts in foreign currencies, classified by maturity, and, on the other, the fair values of the currency forwards, grouped together as other financial assets or liabilities, and their impact, net of taxes, on equity. Also indicated is the range of exchange rates and the nominal amounts in foreign currency arranged.

The detail of the currency forwards arranged at 31 December 2019 is as follows:

	Thousands of euros						Foreign currency/euro	Nominal amount in foreign currency
	Nominal amount	Maturity		Fair values included in:				
		Within three months	After three months	Other financial assets	Other financial liabilities	Impact on equity	Range of exchange rates	
Derivatives not considered as hedges for accounting purposes at the Group's discretion								
US dollar purchases	2,018	2,018	-	-	(180)	12	1.11	2,250
US dollar sales	21,749	21,749	-	16	-	(135)	1.11	24,244
Total	**23,768**	**23,768**	**-**	**16**	**(180)**	**(123)**		

The "Impact on Profit or Loss" column includes the gains or losses net of tax attributable to the Group and to non-controlling interests corresponding to the measurement of the foreign currency derivatives outstanding at 31 December of each year, the changes in which are recognised under "Net Gains/Losses on Remeasurement of Financial Instruments at Fair Value" in the consolidated statement of profit or loss since they do not qualify for hedge accounting (see Note 3.23.).

The detail of the currency forwards arranged at 31 December 2018 is as follows:

	Thousands of euros						Foreign currency/euro	Nominal amount in foreign currency
	Nominal amount	Maturity		Fair values included in:				
		Within three months	After three months	Other financial assets	Other financial liabilities	Impact on equity	Range of exchange rates	
Derivatives not considered as hedges for accounting purposes at the Group's discretion								
US dollar purchases	26,394	26,394	-	-	(347)	(260)	1.13	29,826
US dollar sales	2,821	969	1,852	-	(115)	(86)	1.2146-1.1946	3,407
Total	**29,215**	**27,363**	**1,852**	**-**	**(462)**	**(346)**		

The changes in foreign currency derivatives in 2019 and 2018 were as follows:

	Thousands of euros	
	Consolidated balance sheet	Consolidated statement of profit or loss
Total – 2017	**39,520**	**33,964**
Changes in fair value in 2018	(39,982)	(39,982)
Fair value at 31/12/18	(462)	-
In other financial assets	-	-
In other financial liabilities	(462)	-
Amounts derecognised/cancelled in 2018		(49,510)
Total – 2018	**(462)**	**(89,492)**
Changes in fair value in 2019	298	298
Fair value at 31/12/19	(164)	-
In other financial assets	16	-
In other financial liabilities	(180)	-
Amounts derecognised/cancelled in 2019	-	422
Total – 2019	**(164)**	**720**

The impact recognised in profit or loss as a result of the recognition of foreign currency derivatives, amounting to EUR (720) thousand in 2019 (31 December 2018: EUR (89,492) thousand), is included under "Net Gains (Losses) on Remeasurement of Financial Instruments at Fair Value" in the consolidated statement of profit or loss:

Interest rate derivatives

The Group arranges interest rate swaps and interest rate options to mitigate the variability of borrowing costs.

In the financing of concession projects, the use of interest rate derivatives normally forms part of the requirements imposed by the financing banks. The purpose of these derivatives is to limit the possible impact that future changes in interest rates could have on the borrowing costs of the projects if the financing continued to bear interest at floating rates.

The following table shows in thousands of euros the notional amounts of the interest rate derivatives of the fully consolidated companies at 31 December 2019, which are the amounts on the basis of which the interest will be settled, grouped together by settlement currency and classified based on their final expiry date, together with the fair values of the derivatives, grouped together as other financial assets or other financial liabilities, and their impact, net of taxes, on equity. Also indicated is the range of interest rates arranged.

Settlement currency	Thousands of euros								Range of annual interest rates
	Spain	Final expiry date of the derivatives				Fair values included in:		Impact on equity	
		Within one year	One to five years	Five to ten years	After ten years	Other financial assets	Other financial liabilities		
Derivatives considered for accounting purposes to be cash flow hedges									
Euro	72,378	-	-	-	72,378	-	(7,938)	(5,714)	1.32%
Czech koruna	14,383	-	-	14,383	-	-	-	-	2.14%
Subtotal	**86,761**	**-**	**-**	**14,383**	**72,378**	**-**	**(7,938)**	**(5,714)**	

In 2019 EUR 351 thousand were recognised under "Net Gains (Losses) on Remeasurement of Financial Instruments at Fair Value" in the consolidated statement of profit or loss, with a net impact on equity of EUR 253 thousand, since one of the derivatives was considered to be ineffective.

The detail of the expiry dates of the notional amounts of the fully consolidated companies at 31 December 2019, by settlement currency, is as follows:

Settlement currency	Thousands of euros						
	2020	2021	2022	2023	2024	Subsequent years	Total
Euro	1,494	1,698	1,893	2,082	2,268	62,943	72,378
Czech koruna	2,697	2,697	2,697	2,697	2,697	898	14,383
Total	**4,191**	**4,395**	**4,590**	**4,779**	**4,965**	**63,841**	**86,761**

Following is a detail of the years in which the derivatives considered for accounting purposes to be cash flow hedges are expected to affect the profit or loss for the year.

Settlement currency	Thousands of euros			
	Within one year	One to five years	After five years	Total
Euro	(835)	(2,370)	(2,509)	(5,714)
Total	**(835)**	**(2,370)**	**(2,509)**	**(5,714)**

The detail of the interest rate derivatives of the fully consolidated companies arranged at 31 December 2018 is as follows:

Thousands of euros									
Settlement currency	Spain	Final expiry date of the derivatives				Fair values included in:		Impact on equity	Range of annual interest rates
		Within one year	One to five years	Five to ten years	After ten years	Other financial assets	Other financial liabilities		
Derivatives considered for accounting purposes to be cash flow hedges									
Euro	73,574	-	-	-	73,574	-	(2,517)	(1,560)	1,32%
Czech koruna	16,648	-	-	16,648	-	-	(148)	(120)	2,14%
Subtotal	**90,222**	**-**	**-**	**16,648**	**73,574**	**-**	**(2,665)**	**(1,680)**	

The "Impact on Equity" column shows the valuation of the derivatives of the fully consolidated companies outstanding at 31 December 2019 and 2018, the gains or losses and valuation adjustments attributable to the OHL Group, and the impact on non-controlling interests.
In the case of interest rate derivatives arranged by companies in which the Group holds ownership interests of 50% or less, the amount is recognised under "Investments Accounted for Using the Equity Method" in the consolidated balance sheet. The impact on equity at 31 December 2019 amounted to EUR (12,586) thousand (31 December 2018: EUR (9,082) thousand). The negative impact on equity is limited, in the case of the investees less than 50% owned by the Group, to the value of the Group's ownership interest.

The following table summarises the impact on equity arising from the changes in the interest rate derivatives of the fully consolidated companies:

	Thousands of euros
Accumulated impact on equity at 1 January 2018	**(5,758)**
Income and expense recognised directly in equity in 2018	(6,271)
Transfers to the consolidated statement of profit or loss in 2018	10,349
Accumulated impact on equity at 31 December 2018	**(1,680)**
Income and expense recognised directly in equity in 2019	(6,874)
Transfers to the consolidated statement of profit or loss in 2019	2,840
Accumulated impact on equity at 31 December 2019	**(5,714)**

The impact on the profit or loss attributable to the Parent in the consolidated statement of profit or loss relates mainly to the amounts transferred from equity, since all the interest rate derivatives (except for the interest rate options) were accounted for as cash flow hedges and, consequently, the related changes in value are recognised in equity under "Valuation Adjustments".

The impact of the interest rate options that do not qualify for hedge accounting on the profit or loss attributable to the Parent in the consolidated statement of profit or loss is direct and does not need to be recognised first under "Valuation Adjustments" in the consolidated balance sheet.

The breakdown of "Net Gains (Losses) on Remeasurement of Financial Instruments at Fair Value" in the case of the interest rate derivatives of the fully consolidated companies is as follows:

	Thousands of euros
Changes in value in 2018	39
Total – 2018	**39**
Changes in value in 2019	351
Total – 2019	**351**

Sensitivity analysis

A sensitivity analysis involves the measurement of the effect that interest rates, exchange rates and/or share prices other than those existing on the market at the measurement date would have had.

The sensitivity analysis of exchange rates focused on the foreign currency derivatives of the fully consolidated companies outstanding at the date of the analysis, simulating a 10% increase in the value of the foreign currencies vis-à-vis the euro with respect to the rates in force at 31 December 2019 and 2018. The result of this analysis is as follows:

	Thousands of euros			
	2019		2018	
	Fair value	Impact on equity	Fair value	Impact on equity
US dollar	2,022	1,415	2,617	1,963
Total	**2,022**	**1,415**	**2,617**	**1,963**

If the sensitivity analysis were performed simulating a 10% decrease in the value of the foreign currencies vis-à-vis the euro with respect to the rates in force at 31 December 2019 and 2018, the impact would be as follows:

	Thousands of euros			
	2019		2018	
	Fair value	Impact on equity	Fair value	Impact on equity
US dollar	(1,932)	(1,352)	(2,262)	(1,697)
Total	**(1,932)**	**(1,352)**	**(2,262)**	**(1,697)**

The table below shows the difference in the fair value of the interest rate derivatives and equity of the fully consolidated companies with respect to the data presented had interest rates been 0.20% higher or lower than those prevailing in the market at 31 December 2019 and 2018.

	Thousands of euros			
	2019		2018	
	Fair value	Impact on equity	Fair value	Impact on equity
Euro	1,875	1,350	1,825	1,314
Czech koruna	1,954	1,414	111	90
Total	**3,829**	**2,764**	**1,936**	**1,404**

3.20.- Provisions

Long-term provisions

The detail of "Long-Term Provisions" at 31 December 2019 is as follows:

	Thousands of euros				
	Balance at 31 December 2018	Charge for the year	Amounts used	Exchange differences and interest cost	Balance at 31 December 2019
Provisions for taxes	4,459	5,129	(2,690)	45	6,943
Provisions for litigation and third-party liability	55,688	12,339	(10,607)	219	57,639
Other provisions	307	647	(22)	4	936
Total	**60,454**	**18,115**	**(13,319)**	**268**	**65,518**

The provisions for litigation and third-party liability arise due to the obligations of an indeterminate amount, in respect of lawsuits and/or arbitral proceedings in progress and indemnity payments.

The detail of the projected schedule of the outflows of economic benefits relating to the long-term provisions at 31 December 2019 is as follows:

	Thousands of euros					
	2021	2022	2023	2024	Subsequent years	Total
Provisions for taxes	-	1,791	-	-	5,152	6,943
Provisions for litigation and third-party liability	51,539	613	610	596	4,281	57,639
Other provisions	936	-	-	-	-	936
Total	**52,475**	**2,404**	**610**	**596**	**9,433**	**65,518**

Short-term provisions

The detail of "Short-Term Provisions" at 31 December 2019 is as follows:

	Thousands of euros					
	Balance at 31 December 2018	Additions and disposals due to changes in the scope of consolidation and reclassifications	Charge for the year	Amounts used	Exchange differences and interest cost	Balance at 31 December 2019
Provisions for project completion	57,195	-	10,903	(20,488)	205	47,815
Provisions for management and other fees	47,118	-	2,321	(41,049)	779	9,169
Provisions for other transactions	98,143	(45)	111,069	(49,005)	-	160,162
Total	**202,456**	**(45)**	**124,293**	**(110,542)**	**984**	**217,146**

"Provisions for Other Transactions" includes provisions for commercial transactions, which correspond primarily to the Group's construction companies, provisions for future losses that are

recognised when it is certain that the contract costs will exceed the projected total contract revenue, provisions for taxes and provisions for other third-party liability. These amounts considered individually are of scant significance and correspond to numerous contracts.

3.21.- Other liabilities

The detail of "Other Non-Current Liabilities" and "Other Current Liabilities" in the consolidated balance sheets as at 31 December 2019 and 2018 is as follows:

	Thousands of euros			
	2019		2018	
	Non-current	Current	Non-current	Current
Payable to associates	-	121,636	-	89,690
Remuneration payable	-	30,262	-	23,797
Tax payables (Note 3.22.)	-	74,865	-	74,964
Other non-trade payables	14,689	28,145	14,690	58,724
Guarantees and deposits received	1,816	2,492	14	2,520
Other	-	53	-	156
Total	**16,505**	**257,453**	**14,704**	**249,851**

The detail of the other non-trade payables at 31 December 2019 and 2018 is as follows:

	Thousands of euros			
	2019		2018	
	Non-current	Current	Non-current	Current
Payable for property, plant and equipment purchases	4,472	5,219	4,752	7,546
Payable for financial instrument purchases	-	-	-	-
Other	10,217	22,926	9,938	51,178
Total	**14,689**	**28,145**	**14,690**	**58,724**

3.22.- Tax matters

Consolidated tax group

The Group files consolidated tax returns in both Spain and the US for all the companies that meet the related requirements. All the other companies file individual tax returns.

Accounting for taxes

The income tax expense of the consolidated Group is obtained by aggregating the income tax expense of the consolidated tax groups and of the companies that file individual income tax returns.

The tax bases are calculated on the basis of the profit or loss for the year adjusted by temporary differences, permanent differences and prior years' tax losses.

The tax effect of temporary differences between transactions recognised in the accounting records and reported in the income tax return using different criteria gives rise to deferred tax assets and liabilities that will be recoverable or payable in the future.

Tax losses, if recognised, also give rise to deferred tax assets that do not reduce the expense for subsequent years.

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply in the period when the assets are realised or the liabilities are settled.

Deferred tax assets are only recognised when there are no doubts that there will be sufficient taxable profits in the future against which to charge these temporary differences.

When the closing is performed for tax purposes each year, the deferred tax balances are reviewed in order to ascertain whether they still exist and the appropriate adjustments are made so as to adapt the balances to the new situation.

Reconciliation of the accounting loss to the tax loss

The reconciliation of the consolidated accounting loss for the year to the tax loss for income tax purposes is as follows:

	Thousands of euros	
	2019	2018
Consolidated loss for the year from continuing operations before tax	(121,659)	(969,548)
Loss for the year from discontinued operations	-	(543,864)
Permanent differences relating to discontinued operations	-	362,139
Permanent differences relating to continuing operations	6,918	551,380
Temporary differences	16,911	38,485
Offset of prior years' tax losses	(15,980)	(19,872)
Tax loss	**(113,810)**	**(581,280)**

The reconciliation of the accounting loss from continuing operations to the income tax expense for 2019 is as follows:

	2019
Consolidated loss for the year from continuing operations before tax	**(121,659)**
Result of companies accounted for using the equity method, net of tax	7,032
Other permanent differences	(114)
Unrecognised tax losses offset in the year	(7,999)
Tax losses not recognised in the year as tax assets	195,798
Base for calculating period income tax expense	**73,058**
Income tax expense for the year	21,869
Tax credits and tax relief	-
Prior years' adjustments and other adjustments	(27)
Income tax expense relating to continuing operations	**21,842**

The permanent differences relate mainly to the result of companies accounted for using the equity method (EUR 7,032 thousand) and the remainder (EUR (114) thousand) relate to:

- Expenses not considered to be deductible for tax purposes such as fines and donations or finance costs exceeding 30% of profit from operations.
- Profits or losses obtained abroad by branches and UTEs.
- The recognition and use of non-deductible provisions.
- Tax withholdings paid abroad.
- The elimination of dividends and impairment losses on investments.

Income tax and tax rate

Income tax is calculated using the tax rates in force in each country in which the Group operates. The main rates are:

Country	2019	2018
Spain	25%	25%
Saudi Arabia	20%	20%
Algeria	26%	23%
Argentina	30%	35%
Bulgaria	10%	10%
Canada	26.5%	26.7%
Chile	27%	27%
Colombia	33%	34%
US	27%	38.6%
Kuwait	15%	15%
Mexico	30%	30%
Peru	29.5%	29.5%
Poland	19%	19%
Qatar	10%	10%
Czech Republic	19%	19%
Slovakia	21%	21%
Turkey	22%	22%

The income tax expense of EUR (21,842) thousand recognised in 2019 comprises:

- EUR (16,494) thousand relating to the tax expense recognised by the companies forming part of the Spanish tax group and to the amount corresponding to their branches abroad.
- EUR (5,348) thousand relating to the tax expense recognised by the foreign and Spanish companies that do not form part of the Spanish tax group.

In addition to the income tax expense for 2019, EUR 1,616 thousand were recognised directly in equity in relation to the change in fair value of derivative financial instruments.

Deferred taxes and tax losses

The changes in deferred tax assets were as follows:

	Thousands of euros
Balance at 1 January 2018	**265,056**
Increases	61,325
Decreases	(43,651)
Transfers (*)	(20,274)
Balance at 31 December 2018	**262,456**
Increases	23,765
Decreases	(81,198)
Transfers	-
Balance at 31 December 2019	**205,023**

(*) Corresponding to transfers to "Non-Current Assets Classified as Held for Sale and Discontinued Operations".

The detail of the changes in deferred tax assets in 2019 and 2018 is as follows:

	Thousands of euros						
	2019						
	Balance at 31/12/18	Changes in the scope of consolidation	Charge/credit to profit or loss	Charge/credit to equity Hedging instruments	Exchange rate effect	Transfers and other	Balance at 31/12/19
Tax assets	**121,995**	**-**	**(5,199)**	**-**	**1,813**	**161**	**118,770**
Tax loss carryforwards	117,809	-	(5,190)	-	1,813	161	114,593
Tax credits	4,186	-	(9)	-	-	-	4,177
Temporary differences	**140,461**	**-**	**(54,183)**	**1,616**	**3,865**	**(5,506)**	**86,253**
Total deferred tax assets	**262,456**	**-**	**(59,382)**	**1,616**	**5,679**	**(5,346)**	**205,023**

	Thousands of euros						
	2018						
	Balance at 31/12/17	Changes in the scope of consolidation	Charge/credit to profit or loss	Charge/credit to equity relating to hedging instruments	Exchange rate effect	Transfers and other	Balance at 31/12/18
Tax assets	**135,969**	**(2,212)**	**4,226**	**-**	**3,458**	**(19,446)**	**121,995**
Tax loss carryforwards	132,674	(2,212)	3,335	-	3,458	(19,446)	117,809
Tax credits	3,295	-	891	-	-	-	4,186
Temporary differences	**129,087**	**(3,872)**	**21,330**	**131**	**2,698**	**(8,913)**	**140,461**
Total deferred tax assets	**265,056**	**(6,084)**	**25,556**	**131**	**6,156**	**(28,359)**	**262,456**

The deductible temporary differences recognised in 2019, amounting to EUR 86,253 thousand, are due mainly to:

- The recognition and use of provisions, amounting to EUR 24,458 thousand.
- The difference in the timing of recognition of the depreciation and amortisation charge for accounting and tax purposes amounting to EUR 2,398 thousand.
- The difference in the timing of recognition of construction costs, amounting to EUR 11,677 thousand.
- The profit or loss of the UTEs, the recognition of which for tax purposes is deferred for one year.

In 2019 the Group evaluated the recoverability of the deferred tax assets recognised. In particular, the key assumptions used to test the recoverability of the tax assets include the generation of margins in line with the current situation of the industries in which the Group operates, in a financing environment similar to that currently prevailing. Also, for the other deferred tax assets a recoverability analysis was conducted based on the maintenance of the current key assumptions of the businesses, and no risk of recoverability within the expiry periods was identified.

The changes in deferred tax liabilities in 2019 and 2018 were as follows:

	Thousands of euros
Balance at 1 January 2018	**139,493**
Increases	29,046
Decreases	(11,502)
Transfers (*)	(8,037)
Balance at 31 December 2018	**149,000**
Increases	13,467
Decreases	(67,342)
Transfers	-
Balance at 31 December 2019	**95,125**

(*) Corresponding to transfers to "Liabilities Associated with Non-Current Assets Classified as Held for Sale and Discontinued Operations".

The detail of the changes in deferred tax liabilities is as follows:

	Thousands of euros					
	2019					
	Balance at 31/12/18	Changes in the scope of consolidation	Charge/credit to profit or loss	Exchange rate effect	Transfers and other	Balance at 31/12/19
Temporary differences	149,000	-	(59,183)	5,308	-	95,125
Total deferred tax liabilities	**149,000**	**-**	**(59,183)**	**5,308**	**-**	**95,125**

	Thousands of euros					
	2018					
	Balance at 31/12/17	Changes in the scope of consolidation	Charge/credit to profit or loss	Exchange rate effect	Transfers and other	Balance at 31/12/18
Temporary differences	139,493	(1,533)	14,533	6,095	(9,588)	149,000
Total deferred tax liabilities	**139,493**	**(1,533)**	**14,533**	**6,095**	**(9,588)**	**149,000**

The taxable temporary differences recognised in 2019, amounting to EUR 95,125 thousand, relate mainly to:

- The adjustments made on consolidation of the financial statements, including most notably the allocations made to the assets and liabilities of the acquirees, increasing the value of the acquired assets by EUR 44,199 thousand on effecting the business combinations.
- The recognition and use of provisions, amounting to EUR 1,576 thousand.
- The difference in the timing of recognition of the non-current asset depreciation and amortisation charge, amounting to EUR 20,481 thousand.
- The difference in the timing of recognition of revenue relating to "Trade Receivables for Amounts to be Billed for Work Performed", amounting to EUR 6,051 thousand.

The Group companies' tax losses available for offset in future tax returns amount to EUR 1,824,806 thousand, the detail of which, by last year for offset, is as follows:

Year	Thousands of euros
2020	27,449
2021	32,413
2022	50,724
2023	14,172
2024	16,619
2025	1,376
2026	5,464
2027	4,485
2028	10,138
2029	36,980
2030	243
2031	855
2032	3,427
2033	8,673
2034	8,882
Unlimited	1,602,906
Total	**1,824,806**

The Group companies have unused double taxation tax credits amounting to EUR 11,520 thousand, and investment tax credits (reinvestment, R&D&i and other tax credits) amounting to EUR 25,772 thousand.

Years open for review by the tax authorities

In general, the Spanish consolidated tax group companies have all the taxes applicable to them open for review by the tax authorities. Under current legislation, taxes cannot be deemed to have been definitively settled until the tax returns filed have been reviewed by the tax authorities or until the statute-of-limitations period has expired.

In connection with the tax assessments signed on a contested basis relating to personal income tax withholdings for 2009 to 2011 of the Parent, in 2019 the Spanish National Appellate Court handed down a judgment partially upholding the appeal for judicial review filed by the Parent, i.e., it upheld the settlement of EUR 1,705 thousand relating to the deficiency and interest but rendered null and void the penalty of EUR 753 thousand imposed by the tax authorities. Guarantees had been provided and provisions recognised in relation to these amounts; the amounts due were paid and the guarantees provided were recovered in the judgment enforcement phase of the proceeding.

In connection with the tax assessments signed on a contested basis relating to personal income tax withholdings for 2012 to 2013 of the Parent, amounting to EUR 630 thousand, the Parent submitted pleas to the Central Economic-Administrative Tribunal, although no judgment has yet been handed down in this regard.

The Parent's directors consider that the tax returns for all the taxes have been filed correctly and, therefore, even in the event of discrepancies in the interpretation of current tax legislation in relation to the tax treatment afforded to certain transactions or of possible tax audits of the years open for review, such contingent tax liabilities as might arise would not have a material effect on the accompanying consolidated financial statements.

Tax receivables and payables

The detail of "Tax Receivables" and "Tax Payables" at 31 December 2019 and 2018 is as follows:

	Thousands of euros			
	Current assets		Current liabilities	
	2019	2018	2019	2018
VAT	44,774	53,613	33,134	33,489
Other taxes	38,397	30,559	31,308	30,937
Social security taxes	42	31	10,423	10,538
Total	**83,213**	**84,203**	**74,865**	**74,964**

3.23.- Income and expenses

Revenue

The Group's revenue in 2019 amounted to EUR 2,959,905 thousand (2018: EUR 2,906,900 thousand), the detail by business activity, geographical market and type of customer being as follows:

Business activity	Thousands of euros		
	2019	2018	% change
Construction	2,452,226	2,448,734	0.1%
Industrial	218,238	189,853	15.0%
Services	275,633	264,114	4.4%
Other	13,808	4,199	228.8%
Total revenue	**2,959,905**	**2,906,900**	

Business activity, geographical market and customer	Thousands of euros					
	2019					
	Spain		Abroad		Total	
	Public sector	Private sector	Public sector	Private sector	Public sector	Private sector
Construction	242,619	263,465	1,672,766	273,376	1,915,385	536,841
Industrial	383	43,312	19,185	155,358	19,568	198,670
Services	227,302	35,171	10,029	3,131	237,331	38,302
Other	45	3,291	-	10,472	45	13,763
Total revenue	**470,349**	**345,239**	**1,701,980**	**442,337**	**2,172,329**	**787,576**

Geographical market	Thousands of euros	
	2019	2018
US and Canada	1,002,949	947,892
Mexico	95,295	164,205
Chile	246,644	155,347
Peru	103,282	133,833
Colombia	76,354	95,848
Spain	824,576	792,635
Central and Eastern Europe	303,805	284,786
Other countries	307,000	332,354
Total revenue	**2,959,905**	**2,906,900**

The detail of revenue by geographical area in 2019 and 2018 is as follows:

	Thousands of euros	
	2019	2018
Spanish market	**824,576**	**792,635**
International market:	**2,135,329**	**2,114,265**
European Union	300,433	288,956
Eurozone	36,219	20,292
Non-eurozone	264,214	268,664
Other	1,834,896	1,825,309
Total	**2,959,905**	**2,906,900**

The reconciliation of segment revenue to consolidated revenue in 2019 and 2018 is as follows:

Segment	Thousands of euros					
	2019			2018		
	Revenue from non-Group customers	Inter-segment revenue	Total revenue	Revenue from non-Group customers	Inter-segment revenue	Total revenue
Construction	2,452,226	28,677	2,480,903	2,448,734	63,080	2,511,814
Industrial	218,238	3,871	222,109	189,853	4,606	194,459
Services	275,633	1,417	277,050	264,114	-	264,114
Other	13,808	8,339	22,147	4,199	-	4,199
Adjustments and eliminations to inter-segment revenue	-	(42,304)	(42,304)	-	(67,686)	(67,686)
Total	**2,959,905**	**-**	**2,959,905**	**2,906,900**	**-**	**2,906,900**

Other operating income

"Other Operating Income" in 2019 amounted to EUR 86,175 thousand (2018: EUR 100,903 thousand).

Procurements

"Procurements" in 2019 amounted to EUR (1,726,202) thousand, 22% less than in 2018.

Staff costs

"Staff costs" in 2019 amounted to EUR (757,502) thousand (2018: EUR (814,175) thousand).

Other operating expenses

The detail of "Other Operating Expenses" in the consolidated statement of profit or loss is as follows:

	Thousands of euros	
	2019	2018
Outside services	(276,545)	(355,885)
Taxes other than income tax	(13,130)	(15,142)
Other current operating expenses	(207,936)	(101,810)
Total	**(497,611)**	**(472,837)**

Finance income

The detail of "Finance Income" in the consolidated statement of profit or loss is as follows:

	Thousands of euros	
	2019	2018
Interest income from other companies	20,561	21,731
Income from equity investments	14	6
Total	**20,575**	**21,737**

Finance costs

The detail of "Finance Costs" in the consolidated statement of profit or loss is as follows:

	Thousands of euros	
	2019	2018
On the financing of current transactions	(53,677)	(81,544)
On finance leases and deferred price non-current asset purchases	(3,113)	(62)
Interest costs relating to provisions	284	(1,059)
Total	**(56,506)**	**(82,665)**

Exchange differences (gains and losses)

The exchange differences in 2019 amounted to EUR 2,236 thousand (2018: EUR (5,896) thousand).

Net gains (losses) on remeasurement of financial instruments at fair value

The net gains on remeasurement of financial instruments at fair value amounted to EUR 2,361 thousand in 2019.

In 2018 the net losses on remeasurement of financial instruments at fair value amounted to EUR (89,453) thousand and arose mainly as a result of the foreign currency hedge arranged to hedge the divestment of the Concessions Division, which following its settlement in 2018 gave rise to a loss of EUR (92,255) thousand.

Result of companies accounted for using the equity method

The result of companies accounted for using the equity method totalled EUR (7,032) thousand in 2019 (see Note 3.7.1.).

Impairment and gains or losses on disposals of financial instruments

In 2019 "Impairment and Gains or Losses on Disposals of Financial Instruments" amounted to EUR (71,030) thousand, and included most notably:

- The adjustment of EUR (47,600) thousand made to the investment in the Old War Office project as a result of its remeasurement on the basis of its fair value.

- A reduction in the proceeds from the sale to the other shareholder of the Canalejas shopping

centre as a result of a price adjustment and of a reduction of EUR (13,000) thousand arising from a delay in the delivery of the project.

Loss for the year from discontinued operations, net of tax

In 2019 the Group completed the sale of all the companies and/or assets associated with the Ciudad de Mayakoba urban development project that had been classified as a discontinued operation in 2018. The transactions did not give rise to any gain or loss as, pursuant to IFRS 5, the assets had been measured at the estimated value of the transaction less costs of disposal since 2018.

Balances in currencies other than the euro

The detail of the transactions performed by the Group companies in 2019 in currencies other than the euro, by currency and for the main operating income and expense items, translated to euros at the average exchange rates, is as follows:

Currency	Thousands of euros			
	Sales	Other income	Procurements	Other operating expenses
Czech koruna	228,775	5,330	214,243	18,104
Norwegian krone	75,280	866	57,455	8,593
Swedish krona	-	926	149	828
US dollar	1,144,394	2,259	660,548	178,245
Moldovan leu	8,894	-	5,927	1,538
Chilean peso	216,236	711	112,553	19,482
Colombian peso	76,353	4,083	55,159	16,434
Mexican peso	42,073	12,275	8,825	42,262
Saudi riyal	20,814	1,931	(362)	46,117
Peruvian sol	38,446	3,761	16,922	13,370
Other currencies	62,868	7,249	28,873	21,558
Total	**1,914,133**	**39,391**	**1,160,292**	**366,531**

The detail of the balances receivable in currencies other than the euro at 31 December 2019 and 2018, by currency and for the main asset items in the consolidated balance sheets, translated to euros at the year-end exchange rates, is as follows:

Currency	Thousands of euros		
	2019		
	Non-current financial assets	Current financial assets	Trade and other receivables
Czech koruna	666	-	93,864
Norwegian krone	221	63	8,714
Swedish krona	-	20	2,180
Kuwaiti dinar	67	-	16,675
Canadian dollar	29,323	102	13,798
US dollar	3,792	32,185	313,319
Chilean peso	34	25,051	123,194
Colombian peso	-	439	57,149
Mexican peso	23,913	2,165	104,316
Saudi riyal	1,448	212	19,806
Qatari riyal	2,952	-	18,947
Peruvian sol	-	5	23,780
Other currencies	207	12	54,921
Total	**62,623**	**60,254**	**850,663**

Currency	Thousands of euros		
	2018		
	Non-current financial assets	Current financial assets	Trade and other receivables
Czech koruna	475	-	82,643
Algerian dinar	818	-	8,967
Kuwaiti dinar	66	-	21,902
Canadian dollar	27,430	95	13,587
US dollar	5,347	26,605	321,069
Chilean peso	34	1	110,979
Colombian peso	-	2	28,792
Mexican peso	97	753	152,373
Saudi riyal	2,212	36,459	38,075
Qatari riyal	2,900	-	13,559
Peruvian sol	-	12	26,382
Polish zloty	-	-	1,960
Other currencies	532	34	53,366
Total	**39,911**	**63,961**	**873,654**

The detail of the balances payable in currencies other than the euro at 31 December 2019 and 2018, by currency and for the main liability items in the consolidated balance sheets, translated to euros at the year-end exchange rates, is as follows:

Currency	Thousands of euros		
	2019		
	Other financial liabilities	Trade and other payables	Other current and non-current liabilities
Czech koruna	5,997	84,768	12,461
Norwegian krone	-	46,059	809
Swedish krona	-	568	176
Kuwaiti dinar	-	42,003	-
US dollar	8,359	521,221	18,110
Chilean peso	-	103,107	9,070
Colombian peso	-	123,045	7,616
Mexican peso	-	108,644	22,506
Saudi riyal	-	24,036	1,803
Qatari riyal	-	43,236	-
Peruvian sol	-	36,107	3,220
Other currencies	-	72,427	14,400
Total	**14,356**	**1,205,221**	**90,171**

Currency	Thousands of euros		
	2018		
	Other financial liabilities	Trade and other payables	Other current and non-current liabilities
Czech koruna	587	65,345	14,501
Algerian dinar	-	3,399	3,302
Kuwaiti dinar	-	57,022	30
Canadian dollar	-	3,538	1,237
US dollar	-	498,385	29,890
Chilean peso	-	68,913	10,535
Colombian peso	-	152,211	2,883
Mexican peso	-	195,512	15,512
Saudi riyal	-	30,136	153
Qatari riyal	-	52,939	-
Peruvian sol	-	43,471	3,148
Polish zloty	-	1,823	50
Other currencies	-	118,307	19,219
Total	**587**	**1,291,001**	**100,460**

3.24.- Consolidated statement of cash flows

The consolidated statement of cash flows was prepared in accordance with IAS 7 and is unaffected by changes in the exchange rates to euros of the currencies with which the Group operates.

Also, the requisite classifications were made in order to properly show the changes due to inclusions in and exclusions from the scope of consolidation.

The following aspects are worthy of mention in relation to each of the main sections of the consolidated statement of cash flows:

Cash flows from operating activities

The detail of "Other Adjustments to Loss" is as follows:

	Thousands of euros	
	2019	2018
Changes in provisions and allowances	8,724	3,514
Financial loss	102,364	298,175
Result of companies accounted for using the equity method	7,032	110,416
Total	**118,120**	**412,105**

Cash flows from investing activities

"Cash Flows from Investing Activities" amounted to EUR (31,594) thousand in 2019.

Payments due to investments amounted to EUR (145,991) thousand.

The proceeds from disposals amounted to EUR 93,836 thousand.

Cash flows from financing activities

"Cash Flows from Financing Activities" amounted to EUR (93,946) thousand in 2019.

Following the aforementioned transactions, and taking into consideration the exchange rates, cash and cash equivalents at the end of the year amounted to EUR 555,442 thousand.

4.- OTHER DISCLOSURES

4.1.- Segment reporting

An operating segment is defined in the relevant IFRS as one having a segment manager who is directly accountable to and maintains regular contact with the chief operating decision maker to discuss operating activities, financial results, forecasts, or plans for the segment. The IFRS also states that if those characteristics apply to more than one set of components of an organisation but there is only one set for which segment managers are held responsible, that set of components constitutes the operating segments.

The Group considers that the segmentation that best represents it is that based on the various business areas in which it operates, the detail being as follows:

- Construction
- Industrial
- Services
- Other (Corporate, consolidation adjustments and other minor businesses)

Basic information about these segments in 2019 and 2018 is presented below.

	Thousands of euros				
	2019				
	Construction	Industrial	Services	Other	Total Group
Revenue	2,452,226	218,238	275,633	13,808	2,959,905
EBITDA (**)	75,481	9,823	12,425	(32,964)	64,765
As a percentage of revenue	3.1%	4.5%	4.5%	0.0%	2.2%
Depreciation and amortisation charge	(56,523)	(1,513)	(4,723)	(14,268)	(77,028)
EBIT	18,958	8,310	7,702	(47 233)	(12,263)
As a percentage of revenue	0 8%	3 8%	2.8%	0.0%	-0.4%
Current assets	1,646,802	223,890	69,594	379,728	2,320,014
Current liabilities	2,301,722	341,514	72,548	(526,941)	2,188,843
Total assets	2,275,017	243,325	84,461	1,021,513	3,624,316
Total liabilities	2,456,015	381,950	74,095	89,393	3,001,453
Cash flows from operating activities (*)	(100,648)	(30,979)	4,727	(91,759)	(218,659)
Changes in net borrowings (*)	138,248	30,584	(65)	71,847	240,614
Cash flows from investing activities (*)	(37,600)	395	(4,662)	19,912	(21,955)

(*) Calculated using internal criteria, which in certain cases differ from those in IAS 7.

(**) EBITDA is calculated as profit or loss from operations plus the depreciation and amortisation charge plus the change in provisions and allowances.

	Thousands of euros				
	2018				
	Construction	Industrial	Services	Other	Total Group
Revenue	2,448,734	189,853	264,114	4,199	2,906,900
EBITDA (**)	(330 290)	(92,480)	1,274	(74,454)	(495,950)
As a percentage of revenue	-13.5%	-48.7%	0.5%	0.0%	-17.1%
Depreciation and amortisation charge	(43,896)	(6,173)	(3,729)	(11,209)	(65,007)
EBIT	(374,186)	(98,653)	(2,455)	(85,663)	(560,957)
As a percentage of revenue	-15.3%	-52.0%	-0.9%	0.0%	-19.3%
Current assets	1,872,325	197,905	71,330	698,152	2,839,712
Current liabilities	2,902,865	362,428	76,666	(913,086)	2,428,873
Total assets	2,528,718	221,179	85,730	1,267,776	4,103,403
Total liabilities	3,096,555	383,981	78,662	(241,464)	3,317,734
Cash flows from operating activities (*)	(269,345)	(115,082)	8,243	(260,408)	(636,592)
Changes in net borrowings (*)	278,297	88,127	583	(1,658,216)	(1,291,209)
Cash flows from investing activities (*)	(8,952)	26,955	(8,826)	1,918,624	1,927,801

(*) Calculated using internal criteria, which in certain cases differ from those in IAS 7.

(**) EBITDA is calculated as profit or loss from operations plus the depreciation and amortisation charge plus the change in provisions and allowances.

The secondary segments -the geographical areas in which the Group companies operate on a lasting basis, since they have local structures- are the US and Canada, Mexico, Chile, Peru, Colombia, Spain and Central and Eastern Europe. The Group is also present in other countries, which are not currently considered to be local markets and are grouped together under "Other Countries".

	Thousands of euros								
	2019								
	US and Canada	Mexico	Chile	Peru	Colombia	Spain	Central and Eastern Europe	Other countries	Total Group
Revenue	1,002,949	95 295	246,644	103,282	76,354	824 576	303,805	307,000	2,959,905
EBITDA	31,000	(3,998)	30,965	13,846	(9,333)	(13,399)	8,288	7,396	64,765
As a percentage of revenue	3.1%	-4.2%	12.6%	13.4%	-12.2%	-1.6%	2.7%	2.4%	2.2%
EBIT	1,025	(3,139)	25,112	10,154	(9,305)	(27,695)	4,530	(12,945)	(12,263)
As a percentage of revenue	0.1%	-3.3%	10.2%	9.8%	-12.2%	-3.4%	1.5%	-4.2%	-0.4%
Profit (Loss) after tax (attributable to the Parent)	(3,610)	6,168	37,666	15,270	(12,022)	(130,022)	(1,693)	(54,717)	(142,960)
As a percentage of revenue	-0.4%	6.5%	15.3%	14.8%	-15.7%	-15.8%	-0.6%	-17.8%	-4.8%
Trade receivables (net of allowances)	284,450	81,023	116,356	37,020	40,687	208 692	111,860	72,190	952,278
Year-end headcount	1,702	670	3,001	1,446	607	9,658	1,400	298	18,782
Short-term backlog	1,846,755	63,497	798,142	149,090	92,000	1,251,107	535,879	263,152	4,999,622
Long-term backlog	-	-	53,692	-	-	404,642	-	-	458,334
Total backlog	1,846,755	63,497	851,834	149,090	92,000	1,655,749	535,879	263,152	5,457,956

(*) EBITDA is calculated as profit or loss from operations plus the depreciation and amortisation charge plus the change in provisions and allowances.

	Thousands of euros								
	2018								
	US and Canada	Mexico	Chile	Peru	Colombia	Spain	Central and Eastern Europe	Other countries	Total Group
Revenue	947,892	164,205	155,347	133,883	95,848	792,635	284,786	332,304	2,906,900
EBITDA	(55,815)	(59,760)	10,124	5,018	(99,128)	(113,184)	(5,966)	(177,239)	(495,950)
As a percentage of revenue	-5.9%	-36.4%	6.5%	3.7%	-103.4%	-14.3%	-2.1%	-53.3%	-17.1%
EBIT	(84,131)	(63 266)	(4,135)	72	(99,572)	(124,800)	(8,615)	(176,510)	(560,957)
As a percentage of revenue	-8.9%	-38.5%	-2.7%	0.1%	-103.9%	-15.7%	-3.0%	-53.1%	-19.3%
Profit (Loss) after tax (attributable to the Parent)	(178,699)	(74,650)	21,327	13,996	(100,033)	(938,449)	(13,714)	(307,124)	(1,577,346)
As a percentage of revenue	-18.9%	-45.5%	13.7%	10.5%	-104.4%	-118.4%	-4.8%	-92.4%	-54.8%
Trade receivables (net of allowances)	260,255	145,662	94,112	47,232	33,299	220,286	94,111	130,205	1,025,162
Year-end headcount	1,954	710	1,717	1,402	580	10,130	1,403	477	18,373
Short-term backlog	2,193,223	312,970	586,800	184,475	361,975	1,380,908	408,042	447,967	5,876,360
Long-term backlog	-	-	81,343	-	-	136,872	-	-	218 215
Total backlog	2,193,223	312,970	668,143	184,475	361,975	1,517,780	408,042	447,967	6,094,575

(*) EBITDA is calculated as profit or loss from operations plus the depreciation and amortisation charge plus the change in provisions and allowances.

4.2.- Risk management policy

Risk management, as a strategic objective of the OHL Group, focuses on the implementation and maintenance of a reliable risk management system to be used as a management tool at all decision-making levels.

This system develops and implements a common set of processes, risk categories, and management tools and techniques in order to:

- Identify and manage risks at Group and divisional level.
- Implement a reporting system that makes it possible to identify and monitor key risks.
- Align levels of risk tolerance with Group aims.
- Improve risk-related information and communications.
- Improve risk-response decisions.
- Integrate risk management into the decision-making process.
- Reduce the Group's vulnerability to adverse events.
- Establish and maintain a risk-aware culture.
- Increase the confidence and assurance of the Board of Directors and of stakeholders that material risks are being managed and communicated on a timely basis.

The framework of the OHL Group's risk management process represents how the Group manages risk.

The OHL Group manages risk on the basis of the following principles:

- Risk management is included in the main business processes such as planning or operational processes to ensure consistent risk analysis in decision-making.
- The OHL Group analyses and defines its ability to reduce, accept, share or avoid risks. This definition is aligned with and supports the Group's strategic and operational objectives and its declaration on risk tolerance.
- All the OHL Group's risks are identified, prioritised and evaluated, based on risk assessments and potential exposure, by appropriate personnel in the organisation.
- Periodic reviews of the risk map are carried out in order to update the status of existing risks and to identify emerging risks.
- Each functional area and division is responsible for adopting and following the OHL Group Risk Management System. The risks identified are analysed in all divisions and are added together to ensure the adoption of a coordinated response to the most common risks within the Group.
- It is the responsibility of each division to proactively disseminate information on significant current or potential risks in a timely manner, and to ensure that risk management information is provided to the corresponding division management, the corporate risk management function or others as deemed appropriate.

The OHL Group's risk management policy is reviewed annually to ensure that it remains in line with the interests of the Group and its stakeholders.

The OHL Group's Audit and Compliance Committee has the ultimate responsibility for ensuring that the commitments contained in the risk management policy are up to date and fulfilled on an ongoing basis.

4.2.1 Financial risk management

Financial risks affect mainly the obtainment of the necessary financing when required and at a reasonable cost and the maximisation of the available financial resources. The most significant financial risks are as follows:

- Interest rate risk.
- Foreign currency risk.
- Credit risk.
- Liquidity risk.

Interest rate risk

Interest rate fluctuations change the future flows from assets and liabilities tied to floating interest rates.

This interest rate risk is particularly important in relation to the financing of infrastructure projects and other projects in which project profitability depends on possible changes in interest rates because it is directly linked to project cash flows.

The Group finances its operations using fixed- or floating-rate financial products and, based on estimates of the trend in interest rates and of debt structure targets, it either performs hedging transactions by arranging derivatives to mitigate these risks, also conducting a sensitivity analysis in this connection, or it arranges fixed-rate financing.

Of the Group's total gross debt at 31 December 2019, 7.4% had been hedged while 92% was bearing interest at a fixed rate.

A 0.5% increase in interest rates, excluding debt hedged with hedging instruments or bearing a fixed interest rate, would have an impact of EUR 13 thousand on the profit or loss attributable to the Parent in the Group's consolidated profit or loss.

Foreign currency risk

Foreign currency risk management is centralised at the Group and various hedging mechanisms are applied to minimise the impact of the changes in value of foreign currencies against the euro.

The foreign currency risks relate basically to:

- Debt denominated in foreign currencies.
- Payments to be made in international markets for the acquisition of procurements or non-current assets.
- Collections arising on projects tied to currencies other than the functional currency of the Parent or of the subsidiaries.
- Investments in foreign subsidiaries.

The Group arranges foreign currency derivatives and currency forwards to hedge significant future transactions and cash flows, in keeping with the acceptable risk limits.

Also, the net assets relating to net investments in foreign operations with a functional currency other than the euro are exposed to the risk of exchange rate fluctuations on the translation of the financial statements of these foreign operations on consolidation.

Non-current assets denominated in currencies other than the euro are financed in that same currency with a view to creating a natural hedge.

The sensitivity analysis of the foreign currency risk of financial instruments for the main currencies in which the Group operates simulated a 10% increase in the foreign currency/euro exchange rate with respect to the rates applicable at 31 December 2019 and 2018, the possible impact of which was as follows:

Currency	Thousands of euros				
	2019				
	Profit or loss	Translation differences	Attributable equity	Non-controlling interests	Total equity
Czech koruna	-	(864)	(864)	-	(864)
Norwegian krone	(2,822)	(32)	(2,854)	-	(2,854)
Algerian dinar	(830)	-	(830)	-	(830)
Kuwaiti dinar	(1,895)	-	(1,895)	-	(1,895)
Canadian dollar	-	3,891	3,891	-	3,891
US dollar	(4,481)	(13,864)	(18,345)	-	(18,345)
Chilean peso	2,217	654	2,871	-	2,871
Colombian peso	(378)	(6,804)	(7,182)	-	(7,182)
Mexican peso	249	(407)	(158)	-	(158)
Saudi Arabian riyal	-	(437)	(437)	-	(437)
Qatari riyal	(1,601)	-	(1,601)	-	(1,601)
Peruvian sol	(1,218)	69	(1,149)	-	(1,149)
Total	**(10,759)**	**(17,794)**	**(28,553)**	**-**	**(28,553)**

Currency	Thousands of euros				
	2018				
	Profit or loss	Translation differences	Attributable equity	Non-controlling interests	Total equity
Czech koruna	(419)	824	405	3	408
Algerian dinar	(518)	-	(518)	-	(518)
Kuwaiti dinar	(26)	(470)	(2,631)	-	(2,631)
Canadian dollar	-	(3,633)	3,633	-	3,633
US dollar	(4,978)	(11,127)	(15,925)	-	(15,925)
Chilean peso	3,228	(1,148)	2,080	-	2,080
Colombian peso	141	(12,818)	(12,677)	-	(12,677)
Mexican peso	(856)	(4,640)	(5,496)	-	(5,496)
Saudi Arabian riyal	-	4,645	4,645	-	4,645
Qatari riyal	(2,736)	-	(2,736)	-	(2,736)
Peruvian sol	(1,160)	(477)	(1,637)	-	(1,637)
Total	**(7,324)**	**(28,844)**	**(30,857)**	**3**	**(30,854)**

If the sensitivity analysis were performed simulating a 10% decrease in the value of the foreign currencies vis-à-vis the euro with respect to the rates in force at 31 December 2019 and 2018, the impact would be as follows:

Currency	Thousands of euros				
	2019				
	Profit or loss	Translation differences	Attributable equity	Non-controlling interests	Total equity
Czech koruna	-	785	785	-	785
Norwegian krone	2,564	29	2,593	-	2,593
Algerian dinar	756	-	756	-	756
Kuwaiti dinar	1,722	-	1,722	-	1,722
Canadian dollar	-	(3,537)	(3,537)	-	(3,537)
US dollar	4,074	12,604	16,678	-	16,678
Chilean peso	(2,015)	(595)	(2,610)	-	(2,610)
Colombian peso	344	6,186	6,530	-	6,530
Mexican peso	(226)	370	144	-	144
Saudi Arabian riyal	-	398	398	-	398
Qatari riyal	1,455	-	1,455	-	1,455
Peruvian sol	1,106	(62)	1,044	-	1,044
Total	**9,780**	**16,178**	**25,958**	**-**	**25,958**

Currency	Thousands of euros				
	2018				
	Profit or loss	Translation differences	Attributable equity	Non-controlling interests	Total equity
Czech koruna	381	(750)	(369)	(2)	(371)
Algerian dinar	471	-	471	-	471
Kuwaiti dinar	2,392	-	2,392	-	2,392
Canadian dollar	-	(3,303)	(3,303)	-	(3,303)
US dollar	4,363	10,115	14,478	-	14,478
Chilean peso	(2,935)	1,044	(1,891)	-	(1,891)
Colombian peso	(128)	11,653	11,525	-	11,525
Mexican peso	778	4,218	4,996	-	4,996
Saudi Arabian riyal	-	(4,223)	(4,223)	-	(4,223)
Qatari riyal	2,488	-	2,488	-	2,488
Peruvian sol	1,054	434	1,488	-	1,488
Total	**8,864**	**19,188**	**28,052**	**(2)**	**28,050**

Credit risk

Credit risk is the probability that a counterparty to a contract does not meet its contractual obligations, giving rise to a loss.

The Group has adopted a policy of trading only with solvent third parties and obtaining sufficient guarantees to mitigate the risk of incurring losses in the event of non-compliance. The Group obtains information on its counterparty through independent company valuation agencies, other public sources of financial information or the information it obtains from its own relationships with customers and third parties.

At 31 December 2019, the net balances of the Group's financial assets exposed to credit risk were:

	Thousands of euros
Non-current financial assets and concession infrastructure	391,919
Trade and other receivables	1,257,622
Investments in financial assets	229,010
Cash and cash equivalents	555,442

Non-current financial assets and concession infrastructure

The non-current financial assets include loans to associates totalling EUR 74,207 thousand. The Group is aware of the solvency of its associates and does not expect any losses to arise in relation to these financial assets. No impairment losses were recognised on these financial assets in 2019.

Non-current hedging instruments

The credit risk of hedging instruments with a positive fair value is limited by the Group, since derivatives are arranged with highly solvent counterparties with high credit ratings and no counterparty accounts for a significant percentage of the total credit risk.

Trade and other receivables

The trade and other receivables include the balances of "Trade Receivables for Sales and Services" totalling EUR 1,048,969 thousand, of which 65.28% relate to public sector customers in relation to which the Group does not expect any losses to arise. In certain cases, the Group is entitled to demand interest. The remaining 34.72% relate to private sector customers which, in general, have a high level of solvency.

Customers are assessed prior to entering into contracts. This assessment includes a solvency study. Over the course of the contract term, changes in debt are monitored on a constant basis and the recoverable amounts are reviewed, and write-downs are recognised whenever necessary.

Pursuant to the IFRS 9 expected credit loss model, the Group recognised a provision of EUR 10,358 thousand (see Note 2.6.7.).

Liquidity risk

This risk is managed by maintaining adequate levels of cash and marketable securities as well as by arranging and maintaining sufficient financing lines to cover all the Group's needs, in order to maintain at all times adequate levels of financial flexibility for the Group's activity.

The Group's liquidity position at 31 December 2019 comprises the following:

-Drawable credit lines and discount facilities amounting to EUR 38,424 thousand.

-Current financial assets and cash and cash equivalents amounting to EUR 784,452 thousand.

It should be noted that the aforementioned amount includes a deposit of EUR 140,000 thousand securing a guarantee facility for the multi-product syndicated financing agreement, representing 17.9% of the total amount.

Despite this liquidity, which arose from divestments made and, particularly, the sale of the Concessions Division, in recent years the Group's liquidity position has decreased as it has had to cater for significant fund requirements of its loss-making projects, which will also occur in the next two years. Also, the Group has financial obligations it will have to meet in the coming years (see Note 3.18.).

In this connection, the Group's directors consider that the Group's business plan for 2020 and subsequent years, which is based on:

-Obtaining gross margins of between 6% and 7% and recovering levels of profitability in projects

-Strictly controlling and reducing the Group's production costs and overheads

-Obtaining levels of new contracts that allow it to cover its backlog, ensuring that the Group's activities grow/are maintained

-Focusing on the generation of cash flow from projects, continuously monitoring working capital

-Divesting non-strategic assets and collecting receivables from related entities (it should be noted in this regard that the accounts receivable from the Villar Mir Group and Pacadar totalling EUR 125,697 thousand, plus the related interest, are scheduled for collection on 30 September 2020 (see Note 3.10.)

will enable it to adequately mitigate this risk.

In this connection, it should be noted that the Group substantially achieved the objectives set out in its business plan for 2019 (improved EBITDA and EBIT, reduction of overheads, obtainment of new contracts amounting to EUR 2,700 million, a significant reduction in cash outflows in projects, obtainment of funds from divestments of non-strategic assets, etc.).

Efforts in 2020 will continue to be focused on strengthening measures that were successfully applied in 2019, aimed at bolstering liquidity and which include:

-Actions to strengthen cost control and reduce performance risks in projects, comprehensively monitoring their profitability.

-Strengthening of the Contract Tendering and Working Capital Committees:

- The Contract Tendering Committee, in order to control the level of bidding risk assumed, avoiding bids that could jeopardise future profitability beyond the activity's usual level of risk and peril.
- The Working Capital Committee, to continue and encourage active collection management and recovery of guarantees in all projects and geographical areas. Also, strict control is exercised over cash outflows in order to minimise them in loss-making projects.

-Active management of divestments of non-strategic assets and collection of receivables from related entities.

To ensure that sufficient guarantees exist to cover the obligations arising from new contracts, the Group is in negotiations with the signatory banks of the multi-product syndicated financing (MSF) agreement, which was initially entered into in December 2016 and has been novated on several occasions, most recently on 15 January 2020. At the reporting date, the MSF agreement matures on 31 May 2020, and negotiations continue for future extensions of the guarantee lines drawn down for an amount of EUR 313 million. Also, on 15 January 2020 the Group obtained a new guarantee line amounting to EUR 40 million, granted by the same banks that had entered into the MSF agreement, with maturity at 12 months and 50% of which was secured by the CESCE (the Spanish Export Credit Insurance Company).

In 2019 the Group also increased the guarantee lines of the surety companies in the US and in other countries, securing the conditions for maintaining a sustainable backlog in one of the Group's main markets.

The Group's directors consider that the mitigating measures in place will enable the Group to secure the continuity of its activity and meet all its obligations.

However, there are circumstances could give rise to uncertainties with respect to the achievement of the business plan for 2020 and, accordingly, may cause variances therefrom (non-achievement of expected levels of new contracts, unforeseen circumstantial working capital shortfalls, etc.). Specifically, the main uncertainty relates to the impact on the performance of the Group's activity arising from the health crisis caused by COVID-19 (see Note 5), the effects of which on the Group's activity and liquidity are currently difficult to quantify.

In order to mitigate the liquidity pressures caused by this situation, on 30 April 2020 the Group entered into an agreement with the MSF agreement signatory banks for the grant of a financing facility of EUR 140,000 thousand maturing on 30 October 2021. The availability of this facility is conditional on the fulfilment of a series of conditions precedent, the most important of which being the provision of a guarantee of up to 70% of the amount of the facility by Instituto de Crédito Oficial (ICO), as part of the COVID-19 state aid programme.

This credit facility is secured by OHL Desarrollos, S.L. and by other OHL Group subsidiaries, and bears interest at Euribor plus a spread of between 3.5% and 5.5%, based on various time periods.

This risk is managed by maintaining adequate levels of cash and marketable securities as well as by arranging and maintaining sufficient financing lines to cover all the Group's needs, in order to maintain at all times adequate levels of financial flexibility for the Group's activity.

4.2.2. - Capital management

The objective of the Group's capital management is to maintain an optimum financial structure that enables it to reduce the cost of capital but also guarantees the capacity to continue managing recurring operations and undertake new projects focused on growth and the creation of value.

In order to achieve this target, the Group considered it necessary to strengthen its financial structure to undertake investments in new concession operators and also to reduce its net financial debt. Accordingly, on 30 October 2015, it increased capital by a par value of EUR 119,410 thousand, through the issue of 199,018,056 new shares of EUR 0.60 par value and a share premium of EUR 4.42 each, of the same class and series as the existing shares.

The total amount of the capital increase, i.e., par value plus share premium, excluding expenses, was EUR 999,070 thousand.

In addition to obtaining funds from its shareholders, the main sources used by the Group to finance its growth and operations are as follows:

- Cash flows generated by the Group that are not related to project finance, including dividends arising from projects.

- Project finance, which is always long term and with recourse only to the cash flows generated and the project assets being financed and always in the same currency as the revenue from the related project.
- Short-term corporate finance, with recourse mainly to the Parent, used to cover the possible seasonality of business during the year.
- Long-term corporate finance, with recourse mainly to the Parent, always of a moderate amount with respect to equity and in proportion to the cash generated.

It should be noted that in 2018 the sale of all the share capital of OHL Concesiones, S.A.U., for which the Group received a net amount of EUR 1,991,040 thousand, gave rise to a negative net borrowings figure for the first time.

The capital structure is controlled through the leverage ratio (calculated as the ratio of net financial debt to equity).

The ratios at 31 December 2019 and 2018 are as follows:

	Thousands of euros				
	2019	%	2018	%	Change %
Equity	**622,863**		**785,669**		**-20.7%**
Total financial debt					
Non-current	588,037	94.4%	660,957	89.2%	-11.0%
Current	141,071	22.6%	80,001	10.8%	76.3%
Total gross financial debt (*)	**729,108**	117.1%	**740,958**	**100.0%**	-1.6%
Current financial assets + Cash and cash equivalents	**(784,452)**		**(1,036,916)**		
Total net financial debt	**(55,344)**	**N/A**	**(295,958)**		**N/A**
Total net debt/Equity	**(0.09)**	**N/A**	**(0.38)**		**N/A**

(*) Groups together non-current and current financial debt items, which include bank debt and bonds.

4.3.- Number of employees

The average number of employees in 2019 and 2018, by professional category, was as follows:

Professional category	Average number of employees	
	2019	2018
Management and university graduates	359	364
Further education college graduates	1,339	1,563
Non-graduate line personnel	2,421	2,762
Clerical staff	943	1,088
Other employees	13,820	14,538
Total	**18,882**	**20,315**
Permanent employees	12,355	12,471
Temporary employees	6,527	7,844
Total	**18,882**	**20,315**
Men	10,857	12,143
Women	8,025	8,172
Total	**18,882**	**20,315**

The average number of employees at the Group with a disability equal to or greater than 33% in 2019 was 299 (2018: 303).

4.4.- Related party transactions

Related party transactions are deemed to be transactions with parties outside the Group but with which there are strong ties as defined in Ministry of Economy and Finance Order EHA/3050/2004, of 15 September, and in Spanish National Securities Market Commission (CNMV) Circular 1/2005, of 1 April.

The following transactions were performed with related companies in 2019 and 2018:

	Thousands of euros			
	2019	% of total	2018	% of total
Income and expenses				
Revenue	39,066	1.3%	54,960	1.9%
Other operating income	700	0.8%	1,522	1.5%
Finance income	6,794	33.0%	5,845	26.9%
Procurements	3,267	0.2%	2,615	1.1%
Other operating expenses	3,581	0.7%	7,795	1.7%
Other transactions				
Acquisitions of intangible assets	369	-	686	-
Acquisitions of property, plant and equipment	12	-	-	-
Acquisitions of financial assets	-	-	50,000	-
Financing agreements: loans granted	-	-	45,215	-
Financing agreements: repayment or settlement of loans granted	1,500	-	542	-
Dividends paid	-	-	44,346	-
Sales of property, plant and equipment	-	-	245	-
Obligations assumed	2,500	-	-	-

The detail of the related party transactions in 2019 is as follows:

Employer identification number	Related company	CONCEPTO	Group company	Thousands of euros
[redacted]	ADP Fertilizantes, S.A.	Revenue	Avalora Tecnologías de la Información, S.A.	13
	Enérgya VM Gestión de Energía, S.L.U.	Revenue	Avalora Tecnologías de la Información, S.A.	22
	Espacio Caleido, S.A.	Revenue	Obrascón Huarte Lain, S.A.	32,760
	Espacio Information Technology, S.A.U.	Revenue	Avalora Tecnologías de la Información, S.A.	186
	Espacio Living Homes, S.L.	Revenue	Obrascón Huarte Lain, S.A.	4,645
	Espacio Mallaeta, S.L.U.	Revenue	Obrascón Huarte Lain, S.A.	1,294
	Ferroatlántica, S.A.U.	Revenue	Avalora Tecnologías de la Información, S.A.	19
	FerroPem, SAS	Revenue	Avalora Tecnologías de la Información, S.A.	6
	Fertiberia, S.A.	Revenue	Avalora Tecnologías de la Información, S.A.	59

	Fertiberia, S.A.	Revenue	Chemtrol Proyectos y Sistemas, S.L.	1
	Fertiberia, S.A.	Revenue	OHL Industrial Mining & Cement, S.A.	6
	Inmobiliaria Espacio, S.A.	Revenue	Avalora Tecnologías de la Información, S.A.	22
	Pacadar, S.A.U.	Revenue	Avalora Tecnologías de la Información, S.A.	2
	Promociones y Propiedades Inmobiliarias Espacio, S.L.U.	Revenue	Avalora Tecnologías de la Información, S.A.	7
	Torre Espacio Gestión, S.L.U.	Revenue	Avalora Tecnologías de la Información, S.A.	22
	Villar Mir Energía, S.L.U.	Revenue	Avalora Tecnologías de la Información, S.A.	2
	Alse Park, S.L.	Other operating income	Obrascón Huarte Lain, Desarrollos, S.L.	56
	Alse Park, S.L.	Other operating income	Obrascón Huarte Lain, S.A.	1
	Espacio Caleido, S.A.	Other operating income	OHL Servicios-Ingesan, S.A.U.	2
	Espacio Information Technology, S.A.U.	Other operating income	Avalora Tecnologías de la Información, S.A.	23
	Espacio Information Technology, S.A.U.	Other operating income	Obrascón Huarte Lain, S.A.	55
	Espacio Information Technology, S.A.U.	Other operating income	OHL Servicios-Ingesan, S.A.U.	5
	Grupo Villar Mir, S.A.U.	Other operating income	Obrascón Huarte Lain, S.A.	108
	Inmobiliaria Espacio, S.A.	Other operating income	OHL Servicios-Ingesan, S.A.U.	2
	Pacadar, S.A.U.	Other operating income	OHL Servicios-Ingesan, S.A.U.	84
	Torre Espacio Gestión, S L.U.	Other operating income	OHL Servicios-Ingesan, S.A.U.	337
	Villar Mir Energía, S.L.U.	Other operating income	OHL Servicios-Ingesan, S.A.U.	27
	Grupo Villar Mir, S.A.U.	Finance income	Obrascón Huarte Lain, S.A.	4,272
	Inmobiliaria Espacio, S.A.	Finance income	Avalora Tecnologías de la Información, S.A.	108
	Pacadar, S.A.U.	Finance income	Obrascón Huarte Lain, S.A.	2,414
	Espacio Information Technology, S.A.U.	Procurements	Avalora Tecnologías de la Información, S.A.	1,450
	Pacadar, S.A.U.	Procurements	Construcciones Adolfo Sobrino, S.A.	1,596

	Pacadar, S.A.U.	Procurements	Obrascón Huarte Lain, S.A.	218
	Torre Espacio Restauración, S.L.U.	Procurements	OHL Industrial, S.L.	3
	Alse Park, S.L.	Other operating expenses	Obrascón Huarte Lain, S.A.	23
	Enérgya VM Gestión de Energía, S.L.U.	Other operating expenses	Agrupación Guinovart Obras y Servicios Hispania, S.A.	2
	Enérgya VM Gestión de Energía, S.L.U.	Other operating expenses	Asfaltos y Construcciones Elsan, S.A.	11
	Enérgya VM Gestión de Energía, S.L.U.	Other operating expenses	Construcciones Adolfo Sobrino, S.A.	5
	Enérgya VM Gestión de Energía, S.L.U.	Other operating expenses	Obrascón Huarte Lain, S.A.	113
	Enérgya VM Gestión de Energía, S.L.U.	Other operating expenses	OHL Servicios-Ingesan, S.A.U.	16
	Espacio Information Technology, S.A.U.	Other operating expenses	Obrascón Huarte Lain, S.A.	2,452
	Inmobiliaria Espacio, S.A.	Other operating expenses	Obrascón Huarte Lain, Desarrollos, S.L.	1
	Inse Rail, S.L.	Other operating expenses	EyM Instalaciones, S.A.	5
	Inse Rail, S.L.	Other operating expenses	Obrascón Huarte Lain, S.A.	40
	Promociones y Propiedades Inmobiliarias Espacio, S.L.U.	Other operating expenses	Obrascón Huarte Lain, Desarrollos, S.L.	873
	Torre Espacio Gestión, S L.U.	Other operating expenses	Obrascoón Huarte Lain, S.A.	25
	Torre Espacio Restauración, S.L.U.	Other operating expenses	Obrascón Huarte Lain, Desarrollos, S.L.	1
	Torre Espacio Restauración, S.L.U.	Other operating expenses	Obrascón Huarte Lain, S.A.	13
	Torre Espacio Restauración, S.L.U.	Other operating expenses	OHL Servicios-Ingesan, S.A.U.	1
Other transactions				
	Espacio Information Technology, S.A.U.	Acquisitions of intangible assets	Obrascón Huarte Lain, S.A.	369
	Espacio Information Technology, S.A.U.	Acquisitions of property, plant and equipment	Obrascón Huarte Lain, S.A.	12
	Espacio Living Homes, S.L.	Guarantees for construction work	Obrascón Huarte Lain, S.A.	628
	Grupo Villar Mir, S.A.U.	Settlement of loan granted	Obrascón Huarte Lain, Desarrollos, S.L.	1,500
	Alse Park, S.L.	Financial guarantees	Obrascón Huarte Lain, S.A.	(142)

[redacted]	Grupo Villar Mir, S.A.U.	Obligations assumed	Obrascón Huarte Lain, Desarrollos, S.L.	2,500

At 31 December 2019 and 2018, the balances with related companies were as follows:

	Thousands of euros			
	2019	% of total	2018	% of total
Non-current assets				
Other receivables	-	-	-	-
Current assets				
Advances to suppliers and subcontractors			-	-
Trade receivables for sales and services	15,994	1.5%	12,743	1.1%
Sundry accounts receivable	3,233	7.0%	3,081	6.0%
Other receivables	6,498	0.0%	3,227	5.1%
Other current assets (Note 3.10)	125,697	80.5%	119,101	77.6%
Non-current liabilities				
Other non-current liabilities	-	-	-	-
Current liabilities				
Customer advances	3,731	0.7%	-	-
Accounts payable for purchases and services	472	0.0%	316	0.0%
Notes payable	-	-	-	-
Other non-trade payables	7	0.0%	1,825	0.3%

In addition, at 31 December 2019 the Group had provided guarantees for related entities amounting to EUR 11,896 thousand.

4.5.- Backlog

At 31 December 2019, the Group's backlog amounted to EUR 5,457,956 thousand (31 December 2018: EUR 6,094,575 thousand).

The breakdown of the Group's backlog, by activity and geographical market, is as follows:

Business activity	Thousands of euros					
	2019			2018		
	Short-term	Long-term	Total	Short-term	Long-term	Total
Construction	4,385,686	458,334	4,844,020	5,240,754	218,215	5,458,969
Industrial	248,772	-	248,772	259,853	-	259,853
Services	365,164	-	365,164	375,753	-	375,753
Total backlog	**4,999,622**	**458,334**	**5,457,956**	**5,876,360**	**218,215**	**6,094,575**

Of the total short-term backlog at 31 December 2019, EUR 3,799,922 thousand related to public sector customers and EUR 1,199,700 thousand to private sector customers (2018: EUR 4,225,423 thousand and EUR 1,380,908 thousand, respectively). The decrease in the short-term backlog was due mainly to the cancellation of certain contracts with Aleatica in 2019, amounting to EUR 584,583 thousand.

	Short-term	Long-term	Total	Short-term	Long-term	Total
US and Canada	1,846,755	-	1,846,755	2,193,223	-	2,193,223
Mexico	63,497	-	63,497	312,970	-	312,970
Chile	798,142	53,692	851,834	586,800	81,343	668,143
Peru	149,090	-	149,090	184,475	-	184,475
Colombia	92,000	-	92,000	361,975	-	361,975
Spain	1,251,107	404,642	1,655,749	1,380,908	136,872	1,517,780
Central and Eastern Europe	535,879	-	535,879	408,042	-	408,042
Other countries	263,152	-	263,152	447,967	-	447,967
Total backlog	**4,999,622**	**458,334**	**5,457,956**	**5,876,360**	**218,215**	**6,094,575**

At 31 December 2019, the backlog abroad represented 75% of the total backlog (31 December 2018: 75.1%).

4.6.- Contingent assets and contingent liabilities

4.6.1.- Contingent assets

There were no material contingent assets at 31 December 2019.

4.6.2.- Contingent liabilities and guarantees

4.6.2.1.- Guarantees provided to third parties

The contingent liabilities include the normal liability of construction companies for the performance and completion of the project contracts held by the Group companies and those arranged by the UTEs in which they have interests. The subsidiaries in Spain also have a secondary liability for the obligations of their subcontractors to the social security system with respect to their site employees. No losses are expected to be incurred by the Group in this connection.

At 31 December 2019, the Group companies had provided EUR 3,227,407 thousand of guarantees to third parties (31 December 2018: EUR 3,417,700 thousand), of which, in accordance with standard practice in the industry, EUR 3,101,128 thousand (31 December 2018: EUR 3,344,000 thousand) related to completion bonds deposited with public authorities and private sector customers to guarantee proper performance of the project contracts, and the remainder to provisional guarantees for project bids.

The Group considers that, in connection with the construction projects subject to this type of guarantee, no circumstances have arisen that require a provision to be recognised.

The obligations assumed are the performance of the construction work or project in accordance with the principal contract entered into. Should the Group breach the terms and conditions envisaged in the contract and, accordingly, fail to perform the construction work or project, the customer would be entitled to enforce the guarantee provided, although it would have to evidence the Group's default.

The Group considers that it has been complying with the obligations assumed with its customers in relation to the performance of the construction work or projects awarded, which is the Group's core business. Therefore, the Group considers the probability of defaulting on the contracts it performs and, consequently, of the performance bonds or guarantees provided being enforced, to be remote.

Joint and several personal financial guarantees

Also, certain Group companies had provided joint and several personal guarantees to various entities (mainly banks) as security for the credit facilities granted to other associates, which amounted to EUR 1,065 thousand at 31 December 2019 (31 December 2018: EUR 1,458 thousand).

The Parent's directors do not expect, as a result of the provision of these guarantees, any additional liabilities to arise that might affect the consolidated financial statements as at 31 December 2019.

Investment obligations

The concession operators are obliged, under the concession arrangements, to make certain investments (see Note 3.2.).

These investments will be financed through loans granted to, capital increases at, and cash flows generated by, the concession operators. Given that these are estimates and neither the amounts to be received through the loans nor the cash flows to be generated by the concessions are fixed, the amount and the timing of the capital increases at the subsidiaries that the Group would have to subscribe is not certain.

4.6.2.2.- Litigation

At 31 December 2019, certain lawsuits were in process involving the Parent and/or its subsidiaries as a result of the ordinary performance of their operations.

The Group's most significant litigation relating to the Construction and Industrial Divisions is:

- In 2014 the Group reported that as a consequence of the **contract for the Design and Construction of the Sidra Medical Research Centre (Doha, Qatar), Qatar Foundation for Education, Science and Community Development (QF)** the joint venture (JV) between the Parent and Contrack Cyprus Ltda. (55% - 45%, respectively) had initiated arbitration proceedings on 30 July 2014, at the International Chamber of Commerce.

  The claims and counter claims of the parties at the date of authorisation for issue of these consolidated financial statements are, on the one hand, the JV's claim for reimbursement of the amount of the enforced guarantees (QAR 880 million, EUR 214 million), the settlement of the unpaid contract variations carried out that had already been acknowledged in the partial award (QAR 182 million, EUR 44 million), the acknowledgment and settlement of the unpaid contract variations carried out for which no arbitral award has been yet been given (QAR 76 million, EUR 18 million) and the settlement of the construction prolongation costs in line with the prolongation period already recognised in the partial award (QAR 322 million, EUR 78 million). On the other hand, QF is claiming the acknowledgment of termination costs in excess of the outstanding contract price to be applied (QAR 3,636 million, EUR 885 million), the acknowledgment of defect repair costs (QAR 124 million, EUR 30 million) and the acknowledgment of contractual penalties for delay on the part of the contractor JV (QAR 792 million, EUR 193 million).

  Both the lawfulness and the amounts of the items included in each claim are subject to the decision of the arbitral tribunal, which will be handed down during the quantum stage of the arbitration

proceedings. The aforementioned decision will not affect the following: (i) the amount of the guarantee enforced against the JV (QAR 880 million, EUR 214 million), which is fixed and in any case functions as a collection right in the JV's favour; (ii) the amount of the unpaid contract variations carried out for which an arbitral award has been given (QAR 182 million, EUR 44 million), which is also fixed and functions as a collection right in the JV's favour; and (iii) the amount relating to defect repair costs (QAR 124 million, EUR 30 million), which is also fixed and functions as a collection right in favour of QF.

On 21 November 2018, a partial award was given with certain rulings, including one declaring the termination of the contract to be lawful. This enabled QF to file the aforementioned claim relating to the actual costs of completion of the work that exceed the contract price yet to be applied. The JV filed an appeal in the UK courts requesting the partial annulment of this award, which was dismissed on 2 October 2019. In addition, on 27 February 2019 another partial award was given to determine the percentage of work completed at the time of termination, which determined that approximately 95% of the work had been completed at the time of termination.

Also, on 19 June 2019 partial award No. 6 was handed down, dismissing the JV's claim for disruption costs. The JV had claimed QAR 65 million (EUR 16 million) in this connection.

A partial award was handed down on 12 March 2020 in relation to "Defects". QF had claimed QAR 320.7 million (EUR 78 million) in this connection, of which QAR 124.2 million (EUR 30 million) were acknowledged and QAR 167.6 million (EUR 41 million) were rejected. On 3 April 2020, the JV filed an appeal in the UK courts against this partial award. Although there is no order for payment that, should the case arise, would be issued once all the claims and counterclaims have been resolved, in accordance with the accounting principle of prudence in valuation the Parent recognised a provision for the amount that the Group would be liable to pay as a result of this partial award relating to "Defects", in proportion to its percentage of ownership, which amounts to EUR 15,125 thousand.

However, based on updated third-party legal reports and the interpretations thereof made by management of the Parent and the potential timing of the handing down of the related judgments, the Parent's directors reassessed the various arbitral award scenarios as a whole and concluded that, despite the current levels of uncertainty with regard to the proceedings, further losses are not likely to arise for the Group.

- On 7 February 2017, Rizzani de Eccher, SpA, Trevi, SpA and Obrascón Huarte Lain, S A. initiated an arbitration proceeding to protect an investment against the State of Kuwait at the International Centre for Settlement of Investment Disputes (ICSID) in relation to the "**Construction, Completion and Maintenance of Roads, Overpasses, Sanitary and Storm Water Drains, as well as other Services for Jamal Abdul Nasser Street**" contract. OHL holds a 50% ownership interest in the construction joint venture. This arbitration proceeding was initiated under the international treaties for the reciprocal protection of investments entered into by the State of Kuwait with Spain and Italy and as a result of the breach thereof by the State of Kuwait through its obstructive, abusive and arbitrary actions, to the detriment of the foreign investors, in the performance of that contract.

  The joint venture submitted its claim quantifying the economic compensation to which the claimants are entitled at KWD 88,213,361 (EUR 259.1 million) or, alternatively, KWD 76,595,490 (EUR 225 million), plus (in any case) KWD 2,296,679 (EUR 6.7 million), based on the assessment performed by external consultants.

The State of Kuwait answered the claim and submitted a counterclaim quantified at KWD 26 million (EUR 76.4 million). The Parent's directors, based on third-party reports and the interpretations thereof made by the Parent's legal advisers, consider that it is unlikely that the resolution of the arbitration will result in a loss for the Group.

- On 12 May 2017, Judlau Contracting Inc. (a US company wholly owned by Obrascón Huarte Lain, S.A. through OHL USA Inc.) received a statement of claim from Welsbach Electric Corp. claiming from Judlau Contracting Inc. an amount initially estimated at USD 39.7 million (EUR 35.3 million). Welsbach Electric Corp. brought this claim as subcontractor of Judlau Contracting Inc. in the "**Construction of Part of Second Avenue Subway Route 132ª 72nd Street Station, Finishes, Mechanical, Electrical and Plumbing Systems, Ancillary Buildings and Entrances in the Borough of Manhattan "B" Division**" project. The litigation is being conducted at the courts of the city of New York (US). The court of first instance has ruled against Welsbach's claim.

- On 13 December 2017, Samsung C&T Corporation, Obrascón Huarte Lain, S.A. and Qatar Building Company filed a request for arbitration at the International Chamber of Commerce against Qatar Railways Company. The claim arose from the "**Design & Build Package 5 - Major Stations - Doha Metro Project**" contract. OHL holds a 30% ownership interest in the construction joint venture. The joint venture is claiming an amount initially estimated at QAR 1,500 million (EUR 365 million). Qatar Rail answered the claim and submitted an initial counterclaim, quantified at QAR 1,000 million (EUR 243.3 million). The arbitral tribunal declared itself not to have jurisdiction as the requirements agreed upon in the arbitration clause had not been met when the request for arbitration was filed. However, the joint venture will file a new request for arbitration in the near future, once the formal requirements have been met.

- After having been stayed for a period of time, leave for consideration was granted to the claim brought by Obrascón Huarte Lain, S.A. against the Polish company PGB, S A. in which OHL sought from PGB PLN 191,518,336 (EUR 45 million) as a result of the liability of PGB as member of the **construction consortium for the Slowacckiego IV project, in Gdansk (Poland)**. The proceeding continues to be at the preliminary phase.

- The Group filed a claim for arbitration against Anesrif (Algerian National Agency for the Planning and Implementation of Railway Investments) in relation to the **Annaba railway line** construction contract. The Group is claiming EUR 140 million, based on professional valuer's reports. Anesrif has announced a counterclaim, which is yet to be quantified.

- Following the termination in April 2019 of the contract for the **construction of the Atizapán-Atlacomulco toll road** by the **Aleatica Group** (formerly OHL Concesiones), on 19 July the Group reached an out-of-court settlement in relation to the disputes arising from the construction contract, without giving rise to any loss for the Group. This settlement brought the arbitration proceedings and claims between the parties to an end.

- The Group is currently involved in arbitration proceedings with Autopista Río Magdalena, S A. (a company belonging to the Aleatica, formerly OHL Concesiones, Group) resulting from disputes that arose from the **Río Magdalena toll road (Colombia)** construction contract, which led to the early termination thereof in April 2019. The proceeding is at its initial phase, in which the claims and counterclaims of the parties have not been quantified; however, the Parent's directors, based on third-party reports and the interpretations thereof made by the Parent's legal advisers, consider that it is unlikely that the resolution of the arbitration will result in a loss for the Group.

- **Cogeneración Complejo Pajaritos, SAPI de CV (SAPI)**, a company 50% owned by OHL Industrial, S.L.U. and Sener Ingeniería y Sistemas, S.A. de C.V., filed at the International Chamber of Commerce (ICC) in Mexico a request for arbitration against CYDSA S A.B. de C.V. (CYDSA) in relation to the performance of the Coatzacoalcos II combined heat and power plant project. The defendant, in turn, submitted an initial counterclaim. In 2019 the parties filed their counter-memorials and rejoinders, whereby SAPI claimed an amount equivalent to EUR 7.3 million and CYDSA claimed an amount equivalent to EUR 68.5 million. These arbitration proceedings are expected to conclude in the first half of 2020.

The Group's most significant litigation relating to investments in companies in liquidation is:

- In December 2019 a response was filed to the claim in proceeding 882/2019 heard by Madrid Court of First Instance No. 10, in relation to the claim against OHL brought by the funds **TDA 2015-1 Fondo de Titulización, TDA 2017-2 Fondo de Titulización, Bothar Fondo de Titulización and Kommunalkredit Austria, Ag**, which alleged, as creditors, that the borrower had certain obligations contained in the Sponsor Agreement entered into by the latter as part of the financing of the arrangement of the concession operator which is now in liquidation, AUTOPISTA EJE AEROPUERTO CONCESIONARIA ESPAÑOLA, S.A. The economic amount of the claim is EUR 212,433 thousand, consisting of a subordinated loan, or contribution to equity, or an equivalent amount in a capital increase, or indemnity for damage and losses, plus EUR 70,869 thousand relating to late payment interest.

  The directors, based on the legal opinions of their advisers, do not consider that this claim can succeed.

- In June 2008 and 2009 the concession operator **Autopista Eje Aeropuerto Concesionaria Española, S.A.U. (Eje Aeropuerto)** filed two claims (the latter refiled on 31 July 2013) against the Spanish Ministry of Public Works requesting that the economic feasibility of the concession be restored and that the concession arrangement be rendered null and void with the reimbursement of the amounts invested, respectively.

  In order to compensate for the shortfall in traffic and the compulsory purchase cost overruns, in 2012, 2013, 2014, 2015, 2016 and 2017 the company claimed from the Ministry of Public Works the approval and payment of the amounts earmarked in the compensation account and approval of the annual participating loans pursuant to Additional Provision Eight of Law 43/2010. To date, all the claims have been rejected by the corresponding courts.

  Also, at the reporting date a decision had yet to be handed down on the appeal filed by the concession operator in June 2014 at the Supreme Court against the alleged dismissals of the request for compensation filed by the concession operator for the performance of additional work.

  Also, in relation to the insolvency proceeding involving Autopista Eje Aeropuerto Concesionaria Española, S.A.U. and Aeropistas, S.L.U.:

a) Petition for initiation of insolvency proceedings

Autopista Eje Aeropuerto Concesionaria Española, S.A.U. was declared to be involved in insolvency proceedings together with its sole shareholder, Aeropistas, S.L.U., in the order of 12 December 2013 handed down by Madrid Commercial Court No. 2, which gave rise to voluntary insolvency proceeding 863/13.

b) Common phase of the insolvency proceeding

On 19 May 2015, the insolvency practitioners submitted the lists of creditors in the final reports. With respect to Eje Aeropuerto, there were no changes to the inventory of assets and rights of the concession operator, and the total value remained at EUR 412.6 million, of which intangible assets accounted for EUR 396.1 million. Similarly, no amendments were made to the list of creditors in the final reports or the inventory of assets and rights in the case of Aeropistas, with assets totalling EUR 336.6 million, comprising mainly investments in Group companies and equity instruments.

On 31 July 2015, an order was issued to end the common phase and open the phase of arrangement, as both SEITTSA and the insolvent companies had submitted arrangement proposals.

c) Opening and processing of the liquidation phase.

The court order of 13 October 2015 rejected the arrangement proposals submitted and, consequently, ordered the commencement of the liquidation phase, with the legal effects that this entails, including, among others, and in accordance with case law of the Supreme Court's Chamber for Jurisdictional Conflicts, the termination of the concession arrangement.

The commencement of the liquidation phase at the two companies led to their exclusion from consolidation from October 2015 onwards.

On 4 October 2019, the court described the company's insolvency proceedings as "fortuitous".

Lastly, with respect to the termination of the concession arrangement, the Ministry of Public Works terminated this arrangement on 14 July 2018, as a preliminary formality to the settlement of the arrangement.

In parallel, a proceeding related to appeal for judicial review 210/2018 commenced at the Supreme Court. This appeal has no fixed amount, and will only contend whether the date of termination of the arrangement must be the date of the liquidation order (13/10/15) and whether, in this case, the State had three months from that date to settle the arrangement and, therefore, owes late-payment interest from then, as well as what the applicable interest rate would be. This appeal for judicial review is currently at the conclusions phase.

In October 2019 n appeal for judicial review 276/2019 was filed by the insolvency practitioners of Autopista Eje Aeropuerto Concesionaria Española S.A. at the Third Chamber of the Spanish Supreme Court against the resolution adopted by the Spanish Cabinet on 26 April 2019 interpreting certain toll road concession arrangements in connection with the method used for calculating the "Governmental Liability" ("RPA"). This appeal challenged, inter alia:

- The infrastructure amortisation method, which the Spanish Cabinet decided must be straight-line amortisation.

- The amount to be paid for compulsory purchases.
- The amount to be paid for modifications and/or additional work.

In February 2020 the Company was notified by the authorities of the preliminary amount of the settlement, which it was considered could amount to zero. In response to this document, in March 2020 the concession operator filed pleadings and documentation evidencing that the amount of the investment in the construction work exceeded EUR 400 million and that the compulsory purchase expense amounted to EUR 179 million.

In this connection, the Parent's directors consider that, in view of the information provided by their external advisers, all of the aforementioned appeals, as well as those that could be filed in the future, based on the procedural progress being made, will enable the net investment, with a carrying amount of EUR 19 million, to be recovered.

- In relation to the concession operator **Cercanías Móstoles Navalcarnero, S.A. (CEMONASA)**, on 12 July 2016 Madrid Commercial Court No. 1 issued an interlocutory order granting permission to proceed in relation to the insolvency petition filed by the operator and declared the voluntary insolvency thereof.

  On 16 August 2016, the initiation of the ordinary voluntary insolvency proceedings of Cercanías Móstoles Navalcarnero, S.A. was published in the Spanish Official State Gazette.

  On 15 March 2017, Madrid Commercial Court No. 1 ordered the liquidation of Cercanías Móstoles Navalcarnero, S.A., opening the liquidation phase, declaring the dissolution of the company, the removal of its directors and their substitution by the insolvency practitioners.

  Lastly, on 2 November 2017 Madrid Commercial Court No. 1 approved the company's liquidation plan within the aforementioned insolvency proceeding, which led to the continuation of the legal actions making it possible for the company to recover the RPA, as well as such items admissible under law, and the filing of such new appeals as might be required for the same purpose.

  On 20 June 2017, as a result of the imposition of a penalty on the Parent, the Autonomous Community Government of Madrid ("CAM") enforced the guarantees that OHL, S.A. and OHL Concesiones, S.A.U. had provided to secure performance of their obligations under that concession operator's concession arrangement. The guarantees enforced amounted to EUR 15,865 thousand. On 7 July 2017, subsequent to the filing of an appeal for judicial review, the Madrid High Court resolved to stay the court proceeding pending a preliminary judgment to be handed down on the appeal for judicial review filed by the company requesting the termination of the concession arrangement. On 31 October 2019, a judgment was handed down on the appeal (judgment No. 231/16 of the Madrid High Court), relating to the fine, adjudging the resolution under which the fine was imposed to be null and void. A cassation appeal was filed against this judgement by CAM, but has not yet been given leave to proceed by the Supreme Court.

  Also, on 21 July 2017 the concession operator was notified of the order issued by CAM's Regional Minister for Transport, Housing and Infrastructure declaring the termination of the concession arrangement, the attachment of the guarantee and the obligation to pay compensation for damage and losses to the grantor for an amount to be determined in the corresponding adversarial procedure. The concession operator lodged an appeal for reconsideration against this order, which was dismissed by CAM on 10 October 2017 and, accordingly, on 5 December 2017 the company filed an appeal for judicial review against this decision at the Madrid High Court (appeal No. 1129/17).

Also, on 8 March 2018 the Madrid High Court handed down a judgment on the appeal for judicial review whereby Cercanías Móstoles Navalcarnero, S.A. applied for the termination of the concession arrangement on grounds attributable to the CAM. The judgment ruled against Cercanías Móstoles Navalcarnero, S.A. and, therefore, a cassation appeal was filed at the Supreme Court, which was granted leave for consideration on 25 April 2018. The Supreme Court dismissed the cassation appeal against the aforementioned judgment and, therefore, the judgment was upheld.

Also, on 21 March 2018 the company's insolvency practitioners filed, in accordance with the approved liquidation plan, an appeal for judicial review against the CAM at the Madrid High Court (No. 246/18), requesting the economic settlement of the arrangement since they considered it to be terminated on commencement of the liquidation phase of the insolvency proceeding. This appeal is at the evidentiary stage.

On 27 July 2018, and as a result of the termination of the arrangement, the CAM initiated a proceeding against CEMONASA to claim damages of EUR 355 million. An appeal for judicial review against this proceeding was filed at the Madrid High Court (appeal No. 1107/18), whereby the concession operator requested that the enforcement of the administrative decision be stayed; the Chamber stayed the enforcement of the administrative decision without requiring the concession operator to provide any guarantee. Also, in January 2020 the Madrid High Court resolved to stay the procedural formalities of this appeal for judicial review until the cassation appeal filed by CAM against the judgement determining that CEMONASA was not culpable in the termination of the concession arrangement had been substantiated and that, therefore, the cause of that termination was the initiation of the liquidation phase of the insolvency proceeding thereof (claim No. 246/18).

Lastly, as a result of termination of the arrangement by CAM which gave rise to appeal No. 1129/17, CAM announced the economic settlement of the arrangement on 20 August 2018, valuing at EUR 123 million, to be paid to Cemonasa. The company is currently appealing this settlement in the administrative jurisdiction since it considers the amount to be insufficient.

In line with the situation described above, the Parent considers that, based on opinions of its internal and external legal advisers, the concession arrangement supports the right to recover the net investments and the amounts contributed in the form of a loan to the concession operator, with respect to which no provisions have been recognised, and that the claim for damages filed by the CAM against the concession operator, whose appeal for judicial review has been stayed as indicated above, will be unsuccessful.

Also, the following should be noted in relation to the **Lezo Case**:

- Incidental proceeding 3.

  In 2016 the National Appellate Court, through Central Court of Examination No. 6, opened proceeding No. 91/2016 in relation to possible crimes including corruption in business, bribery of public officials, money laundering and organised crime.

  In the course of this proceeding, an investigation was carried out by the court against 57 individuals, including six individuals who had at one time belonged to the OHL Group but who at the reporting date did not belong to it.

  At the reporting date, we are not aware of any formal accusation having been made against any current or former senior executives or directors of the OHL Group. Also, at the reporting date no actions have been taken against any company forming part of the OHL Group.

- Incidental proceeding 8

In February 2019 the Parent became aware of the opening of a new separate incidental proceeding in this case, No. 8. The investigation deals with existence or inexistence of possible acts of bribery of public officials by Group employees for the award of public works in Spain.

Various former employees, current employees and former directors are being called to declare both as witnesses and as investigated parties.

At the reporting date, no actions had been taken against OHL and, accordingly, OHL does not form part of the proceeding and consequently has limited information on the procedural actions being taken.

OHL is actively cooperating with the authorities and is providing the information requested of it. Also, an internal investigation has been initiated, in accordance with existing procedures, and is yet to be concluded.

In procedural terms, the Lezo Case is at the investigation phase.

Additionally, various claims have been filed against the Group by former employees whose employment relationships it had terminated, which are not for significant amounts either taken separately or as a whole.

In addition to the aforementioned litigation, the Group is involved in minor lawsuits arising from the ordinary course of its operations, none of which are for a significant individual amount.

Contingent liabilities

The contingent liabilities include the normal liability of construction companies for the performance and completion of construction contracts they have entered into, as well as those entered into by UTEs in which they have interests. There is also a secondary liability for the obligations of the Group's subcontractors to the social security system with respect to their site employees. No losses are expected to be incurred by the Group in this connection.

On 1 October 2018, the Competition Directorate (DC) of the Spanish National Markets and Competition Commission (CNMC) resolved to initiate disciplinary proceedings against a series of companies, including OHL, S.A., due to alleged prohibited conduct in breach of competition rules, consisting of exchanges of information between companies with the aim and/or effect of restricting competition in the area of tenders called by various public authorities in Spain.

In October 2019 the list of alleged infringements was received, containing the conclusions of the investigation and the facts that could constitute infringements. In December 2019 pleadings were filed evidencing the inexistence of the indicated infringements, in the view of the Parent.

When the examination phase has been concluded, the proposed judgement will be prepared, against which pleadings may be filed, and the Board of the CNMC is expected to hand down judgment in the first half of 2020. An appeal may be filed against this judgment at the National Appellate Court and, as the case may be, at the Supreme Court.

In the opinion of the Parent's directors, this proceeding should be concluded considering the actions carried out by OHL, S.A. as lawful.

4.7.- Disclosures on the payment periods to suppliers. Additional Provision Three. "Disclosure obligation" provided for in Law 15/2010, of 5 July.

Law 15/2010, of 5 July, establishes measures for combating late payment in commercial transactions, and the Spanish Accounting and Audit Institute (ICAC) Resolution of 29 January 2016 implemented the disclosure obligation provided for in Additional Provision Three of the aforementioned Law. This resolution repeals the immediately preceding Resolution of 29 December 2010, which was based on the previous wording of Additional Provision Three of Law 15/2010, of 5 July.

The disclosures on the average period of payment, ratios of transactions settled and transactions not yet settled, and total payments made and outstanding at 31 December 2019 and 2018 are as follows:

	Days	
	2019	2018
Average period of payment to suppliers	78	65
Ratio of transactions settled	79	61
Ratio of transactions not yet settled	69	82

	Thousands of euros	
	2019	2018
Total payments made	591,389	502,531
Total payments outstanding	80,302	140,792

The average period of payment, excluding transactions between Group companies, is calculated as the quotient whose numerator is the sum of the ratio of transactions settled multiplied by the total amount of the payments made plus the sum of the ratio of transactions not yet settled multiplied by the total amount of outstanding payments, and whose denominator is the result of adding the total amount of the payments made to the total amount of the outstanding payments.

The ratio of transactions settled is the sum of the products of the amount of each transaction multiplied by the number of days elapsed until payment, divided by the total amount of the payments made.

The ratio of transactions not yet settled is the sum of the products of the amount of each transaction not yet settled multiplied by the number of days until the last day of the year divided by the total amount of the aforementioned payments.

The information disclosed relates exclusively to the fully consolidated Spanish Group companies.

The companies which, taken separately, exceed the legal limit of the ratio of transactions not yet settled are taking measures to comply therewith.

4.8 - Remuneration of directors and senior executives and conflicts of interest

Remuneration of the Board of Directors

The remuneration of the Board of Directors is regulated by Article 24 of the bylaws and by the Directors' Remuneration Policy approved, as established in Article 529 novodecies of the Spanish Limited Liability Companies Law, by the shareholders at the Annual General Meeting held on 26 June 2018, for 2018 and the following three years and which established annual maximum remuneration for the non-executive directors, for the performance of their general function as directors, of **one**

million four hundred thousand euros (EUR 1,400,000), with the distribution criteria approved by the Board of Directors itself and which is included in the aforementioned Remuneration Policy, and there are no variable components in the remuneration of the non-executive directors.

In 2019, taking into account the foregoing and the current composition of the Board of Directors and its committees, the annual remuneration for the non-executive directors, for discharging their general function as directors, amounted to **one million one hundred and ninety thousand euros (EUR 1,190,000)**. In 2019, as in prior years, the non-executive directors did not receive any kind of benefits. This fixed remuneration for their functions is compatible with, and independent from, remuneration, termination benefits, pensions and compensation of any kind received by those members of the Board of Directors as a result of the employment relationship with, or the rendering of services to, the Parent.

The Board of Directors of the Parent, on this same date, prepared the Annual Report on Directors' Remuneration, as established in Article 541 of the Spanish Limited Liability Companies Law, with an individualised breakdown of all items earned in 2019 by each director. Following is an individualised detail of the remuneration earned by each director in his or her capacity as such in 2019, excluding the remuneration earned for executive functions, which is subsequently disclosed (in euros).

	ATTENDANCE FEES
Juan Villar-Mir de Fuentes (Non-Executive Proprietary)	130,000
Silvia Villar-Mir de Fuentes (Non-Executive Proprietary)	110,000
Jose Antonio Fernández Gallar (Executive)	-
Carmen de Andrés Conde (Non-Executive Independent)	150,000
César Cañedo-Argüelles Torrejón (Non-Executive Independent)	130,000
Javier Goñi del Cacho (Non-Executive Proprietary)	110,000
Juan Antonio Santamera Sánchez (other Non-Executive)	130,000
Juan José Nieto Bueso (Non-Executive Independent)	160,000
Manuel Garrido Ruano (Non-Executive Proprietary)	130,000
Reyes Calderón Cuadrado (Non-Executive Independent)	140,000
TOTAL	**1,190,000**

In 2019 the executive director earned total remuneration of EUR 2,600 thousand for his executive functions (2018: EUR 20,807 thousand). Also, EUR 36 thousand were paid as other benefits, including life insurance premiums (2018: EUR 17 thousand) and, as was also the case in 2018, no contributions were made to the employee benefit plan.

No advances or loans have been granted to the Board members.

The members of the Board of Directors and the senior executives are insured by a third-party liability insurance policy the cost of which amounted to EUR 649 thousand in 2019.

Remuneration of senior executives

The remuneration earned by the Group's senior executives in 2019 -excluding those who are also members of the Board of Directors (whose remuneration is detailed above)- amounted to EUR 9,320 thousand (2018: EUR 12,728 thousand), of which EUR 3,421 thousand correspond to variable remuneration (2018: EUR 3,244 thousand).

Conflicts of interest

At 31 December 2019, none of the directors had notified the Board of Directors of any direct or indirect conflict of interest that they or persons related to them might have had with the Group in 2019.

4.9.- Fees paid to auditors

The detail of the fees for financial audit and other services provided by the auditors, or by other companies related to the auditors, of the companies comprising the Group's continuing operations in 2019 and 2018 is as follows:

	Thousands of euros					
	Principal auditor		Other auditors		Total	
	2019	2018	2019	2018	2019	2018
Financial audit services	1,156	1,181	648	626	1,804	1,807
Other attest services	91	92	4	31	95	123
Total audit and related services	**1,247**	**1,273**	**652**	**657**	1,899	1,930
Tax counselling services	74	40	44	179	118	219
Other services	44	455	1	25	45	480
Total professional services	**118**	**495**	**45**	**204**	163	699
Total	**1,365**	**1,768**	**697**	**861**	**2,062**	**2,629**

"Financial Audit Services" includes the fees for professional services provided by the auditors, in their capacity as such, normally due to regulatory requirements, such as statutory audits, reports on reviews of internal control, limited reviews of periodic public information performed at listed companies, etc.

"Other Attest Services" includes the fees for professional services in which some kind of assurance is expressed, but which are not regulated by any mandatory legislation, such as one-off limited reviews, special reports on security placement processes, agreed-upon procedures reports, covenant reports, etc.

"Tax Counselling Services" includes the fees for the provision of services relating to all forms of tax counselling.

"Other Services" includes the fees for the other professional services not included in the above line items which, by nature, are more akin to consultancy or independent third-party services.

5.- EVENTS AFTER THE REPORTING PERIOD

The detail of the significant events that occurred after 31 December 2019 is provided below.

Since 30 June 2014, the Group, as part of the joint venture formed by the Parent (55%) and Contrack Cyprus Ltda (45%), has been involved in arbitration proceedings at the International Chamber of Commerce in relation to the **contract for the Design and Construction of the Sidra Medical Research Centre (Doha, Qatar), Qatar Foundation for Education, Science and Community Development (QF)**, which has been the subject of various partial awards in the years since the proceedings were initiated and in relation to which a final award has yet to be given on the dispute as a whole.

A partial award was handed down on 12 March 2020 in relation to "Defects". QF had claimed QAR 320.7 million (EUR 78 million) in this connection, of which QAR 124.2 million (EUR 30 million) were acknowledged and QAR 167.6 million (EUR 41 million) were rejected. On 3 April 2020, the JV filed an appeal in the UK courts against this partial award. Although there is no order for payment that, should the case arise, would be issued once all the claims and counterclaims have been resolved, in accordance with the accounting principle of prudence in valuation the Parent recognised a provision for the amount that the Group would be liable to pay as a result of this partial award relating to "Defects", in proportion to its percentage of ownership, which amounts to EUR 15.1 million.

However, based on updated third-party legal reports and the interpretations thereof made by management of the Parent and the potential timing of the handing down of the related judgment, the Parent's directors reassessed the various arbitral award scenarios as a whole and concluded that, despite the current levels of uncertainty with regard to the proceedings, further losses are not likely to arise for the Group.

In relation to the **corporate bond Issue performed in March 2012** maturing in March 2020, the Group paid principal of EUR 73,305 thousand and also paid the related interest. Following this settlement within the established time period, the Group has an outstanding balance of EUR 592,888 thousand in corporate bonds relating to the issues performed in 2014 and 2015, maturing in 2022 and 2023, respectively.

The appearance of **COVID-19** in China in January 2020 and its recent global expansion caused the viral outbreak to be classified as a pandemic by the World Health Organization on 11 March. Bearing in mind the complexity of the markets and the absence, for the time being, of effective medical treatment against the virus, the consequences for the Group's operations are uncertain and will depend to a large degree on the evolution and extension of the pandemic in the coming months, as well as on the capacity of all the economic players affected to react and adapt to the circumstances. Therefore, at the date of authorisation for issue of these consolidated financial statements and consolidated directors' report it was still premature to make a detailed evaluation or quantification of the possible economic, social or environmental impacts that this event might have on the Group, due to the uncertainty of its consequences in the short and medium term.

In view of this situation and in order to mitigate the Group's liquidity risk, on 30 April 2020 the Group entered into an agreement with the MSF agreement signatory banks for the grant of a financing facility of EUR 140,000 thousand maturing on 30 October 2021 (see Note 4.2.1.). The availability of this facility is conditional on the fulfilment of a series of conditions precedent, the most important of which being the provision of a guarantee of up to 70% of the amount of the facility by Instituto de Crédito Oficial (ICO), as part of the COVID-19 state aid programme.

The directors of the Parent have conducted a preliminary assessment of the current situation caused by COVID-19 based on the best available information, which, due to the aforementioned considerations, may be incomplete. The following aspects of the results of this assessment are worthy of note:

- **Liquidity risk:** it is foreseeable that the general situation of the markets may lead to an overall increase in liquidity constraints in the economy, as well as a contraction in the credit market. In this regard, the Group has the liquidity and the financing facilities indicated in Notes 3.10, 3.11 and 3.18. In addition, and as described previously, the Group entered into an agreement with the banks included in the Multiproduct Syndicated Financing (MSF) agreement to have short-term access to additional financing, secured by the ICO (Instituto de Crédito Oficial), amounting to EUR 140,000 thousand. The directors consider that the foregoing, together with the specific plans for the improvement and efficient management of the Group's liquidity and working capital, will enable these constraints to be overcome. Also, worth highlighting are the important economic measures adopted by the Spanish Government, which may be improved upon by the European Union in the future and which are aimed at supporting the economy and company liquidity.

- **Risks for people:** people's health and safety are a priority for the Group and, accordingly, all situations that may represent a danger for direct and direct employees are being monitored, and the organisational measures facilitating the performance of work in safe conditions are being implemented (remote working, flexibility measures, adoption of personal safety measures at workplaces -construction sites and offices- following the criteria and recommendations of the health authorities and the Spanish Ministry of Employment and all the guidelines of the authorities in relation to performance of the Group's projects).

- **Supply chain risks:** under the current circumstances, it cannot be guaranteed that no situations will arise at our suppliers and subcontractors that might affect our production. However, the most critical supplies and services are being monitored in order to mitigate the impact.

- **Risk of measurement of assets and liabilities:** a change in the future estimates of the Group's new contracts, fixed and variable costs and borrowing costs could have an adverse impact on the carrying amount of certain assets and on the need to recognise certain provisions or other types of liabilities. As soon as sufficient and reliable information becomes available, the appropriate analyses and calculations will be made to allow, if necessary, the remeasurement of those assets and liabilities.

- **Going concern risk:** taking into account the aforementioned factors, as well as those detailed in Note 4.2., the Parent's directors consider that the conclusion on the Group's ability to meet its obligations is valid.

As a result of the intense spread of COVID-19 throughout Spain and the other geographical areas in which the OHL Group is present, which has caused a general drop in production in those areas, Group management, acting responsibly, has made efforts to implement a series of measures to mitigate the potential impact on the Group's activity.

Noteworthy among these measures is the agreement entered into with the workers' representatives and the principal trade unions in Spain to furlough employees and reduce staff working hours (Spanish "ERTE"), both for core and production personnel, for a period of up to three months in order to adapt the Group's resources to its production capacity over that period of time. This measure will be applied at various Group companies in Spain.

As an additional measure to the ERTE and in order to mitigate the effects that this pandemic is having on the Group's production, senior management of the OHL Group, as well as the senior executives and managers of the affected companies, have voluntarily decided to apply a salary reduction to themselves for the duration of the ERTE, reaffirming the commitment of all the employees and levels of the Group to the Group's project. The members of the Board of Directors have acted along these same lines in also reducing their annual remuneration.

As a result of all the above, this event is expected to affect production activity, which will have consequences on the Group's main economic aggregates (sales, EBITDA, EBIT, debt, new contracts, etc.) that cannot yet be assessed or quantified. In this connection, the Parent's directors are constantly supervising the evolution of the situation in order to analyse the financial and non-financial impacts that may arise and take the appropriate measures to mitigate them.

6.- EXPLANATION ADDED FOR TRANSLATION TO ENGLISH

These consolidated financial statements are presented on the basis of the regulatory financial reporting framework applicable to the Group in Spain (see Note 2.1.). Certain accounting practices applied by the Group that conform with that regulatory framework may not conform with other generally accepted accounting principles and rules.

APPENDIX I

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Detail of the most significant companies included in the scope of consolidation at 31 December 2019

Subsidiaries (fully consolidated)

COMPANIES WITH REGISTERED OFFICE IN SPAIN

Construction

(1) Agrupación Guinovart Obras y Servicios Hispania, S.A.
(1) Asfaltos y Construcciones Elsan, S.A.
(1) Construcciones Adolfo Sobrino, S.A.
(1) EyM Instalaciones, S.A.
n a Guinovart Rail, S A
n a Mantohledo, S A
(1) Obrascón Huarte Lain, Construcción Internacional, S.L.
(1) S.A. Trabajos y Obras
(1) Sociedad Concesionaria Aguas de Navarra, S.A.

Industrial

(1) Chemtrol Proyectos y Sistemas, S.L.
n.a. Ecolaire España, S A
(1) OHL Industrial Mining & Cement, S.A.
(1) OHL Industrial, S.L.

Services

n a Gizatzen, S A
(1) OHL Servicios-Ingesan, S.A.U.
n a Acurat Iniciativa Social, S.L., Sole-Shareholder Company

Other

(1) Avalora Tecnologías de la Información, S.A.
(2) Marina Urola, S.A.
n a Obrascón Huarte Lain, Desarrollos, S L
(2) Senda Infraestructuras, S.L.
n a Tenedora de Participaciones Tecnológicas, S A

COMPANIES WITH REGISTERED OFFICE ABROAD

Construction

n.a. CAC Vero I, LLC
(2) Community Asphalt Corp.
n.a. Consorcio Aura - OHL, S.A.
n.a. Consorcio OHL AIA, S.A.
(2) Construcciones Colombianas OHL, S A S
(1) Constructora de Proyectos Viales de México, S A de C V
n.a. Constructora e Inmobiliaria Huarte Ltda.
(2) Constructora TP, S.A.C.
(2) E y M Arabia, LLC
n a Empresa Constructora Huarte San José, Ltda
(1) EYM México Instalaciones, S.A. de C.V.
(1) EYM Norway, AS
(2) Judlau Contracting, Inc.
(1) OHL Andina, S.A.
(2) OHL Arabia, LLC
(2) OHL Arellano Construction Company
(1) OHL Austral, S.A.
(2) OHL Building, Inc.
(2) OHL Central Europe, a.s.
(2) OHL Colombia, S.A.S.
n.a. OHL Construction Canada, Inc.
n.a. OHL Construction Pacific Pty. Ltd
n.a. OHL Finance, S.à r.l.
(1) OHL Health Montreal (Holding) Inc.
(1) OHL Health Montreal (Partner) Inc.
n.a. OHL Infraestructuras S.A.S.
(1) OHL Ireland Construction and Engineering Limited
(1) OHL Sverige AB
n.a. OHL UK Construction Limited
(2) OHL Uruguay, S.A.
(2) OHL USA, Inc.
(2) OHL ZS d.o.o. Banja Luka
n.a. OHL ZS MO, S.R.L.
(2) OHL ZS Polska, S.Z.o.o.
(1) OHL ZS Slovakia, a.s.
(1) OHL ZS, a.s.
(1) Premol, S.A. de C.V.
n.a. Sawgrass Rock Quarry, Inc.
(1) Sociedad Concesionaria Centro de Justicia de Santiago, S.A.
(1) Sociedad de Obras Civiles e Infraestructuras Viales, S.A. de C.V.
(2) Tomi Remont, a.s.
n.a. Vacua, S.A.

Industrial

n.a. Chepro México, S.A. de C.V.
(1) Cogeneración Complejo Pajaritos, S A P I de C V
n.a. Consorcio Instalaciones Mecánicas Hospital Dr. Gustavo Fricke SpA
(1) Estación Rebombeo Degollado, S.A.P.I. de C.V.
(1) Hidro Parsifal, S.A. de C.V.
(1) Hidrógeno Cadereyta, S.A.P.I. de C.V.
(1) IEPI México, S.A. de C.V.
(2) OHL Industrial and Partners, LLC
(1) OHL Industrial Chile, S.A.
(1) OHL Industrial Colombia, S.A.S.
(1) OHL Industrial Delegación Guatemala, S.A.
n a OHL Industrial Honduras S de R L
(2) OHL Industrial Perú, S.A.C.
n a Sthim Maquinaria de México, S A de C V

Services

n a Ingesan Chile, SpA
(1) Ingesan Servicios México S.A. de C.V.

Other

n.a. Avalora América S.A.C.
n.a. Avalora Chile SpA
(1) Controladora L 4 - 5 Mayakoba, S A de C V
(1) Gastronómica Santa Fé, S.A. de C.V.
(1) Huaribe, S A de C V
(1) Huaribe Servicios, S.A. de C.V.
n a OHL Concesiones Argentina, S.A.
n.a. OHL Infrastructure, Inc.
(1) OHLDM, S.A. de C.V.
(1) Playa 4 - 5 Mayakoba, S.A. de C.V.

(1) Audited by the principal auditor.
(2) Audited by other auditors.
n.a. Unaudited company

APPENDIX I

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Joint ventures and associates (accounted for using the equity method)

COMPANIES WITH REGISTERED OFFICE IN SPAIN	COMPANIES WITH REGISTERED OFFICE ABROAD
Construction	**Construction**
n.a. Navarra Gestión del Agua, S.A.	n.a. Consorcio Conpax OHL VALKO, S.A.
(1) Nuevo Hospital de Burgos, S.A.	n.a. Constructora Vespucio Oriente, S.A.
(2) Nuevo Hospital de Toledo, S.A.	(2) Health Montreal Collective CJV L.P.
	(1) Health Montreal Collective Limited Partnership
	n.a. NCC - OHL Lund-Arlöv, fyra spar Handelsbolag
	(2) Obalovna Boskovice, s.r.o.
	n.a. OHL Construction Canada and FCC Canada Limited Partnership
	n.a. OHL-FCC North Tunnels Canada Inc.
	n.a. Prestadora de Servicios PLSV, S.A. de C.V.
	n.a. Regena spol s.r.o.
	n.a. Rhatigan OHL Limited
	n.a. Servicios Administrativos TMT, S.A. de C.V.
Industrial	**Industrial**
(1) Arenales Solar PS, S.L.	(1) Proyecto CCC Empalme I, S.A.P.I. de C.V.
	(2) Refinería Madero Tamaulipas, S.A.P.I. de C.V.
Other	**Other**
n.a. Alse Park, S.L.	n.a. 57 Whitehall Holdings Limited
(2) Nova Dàrsena Esportiva de Barà, S.A.	n.a. 57 Whitehall Holdings S.A.R.L.
n.a. Proyecto Canalejas Group, S.L.	n.a. Westminster Development Services Limited

(1) Audited by the principal auditor.
(2) Audited by other auditors.
n.a. Unaudited company.

APPENDIX II

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Identification of the most significant companies composing the consolidated Group at 31 December 2019

COMPANY	REGISTERED OFFICE	MAIN LINE OF BUSINESS
Construction		
Agrupación Guinovart Obras y Servicios Hispania, S A	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Construction
Asfaltos y Construcciones Elsan, S A	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Infrastructure and urban services
CAC Vero I, LLC	9675 N.W. 117th Avenue, Suite 108, Miami, FL, 33178 US	Construction
Community Asphalt Corp.	9675 N.W. 117th Avenue, Suite 108, Miami, FL, 33178 US	Construc ion
Consorcio Aura - OHL, S A.	Terri orio del Registro de Comercio del Conservador de Bienes Raices de San iago	Construc ion
Consorcio Conpax OHL VALKO, S A	Palacio Riesco No. 4583, Comuna De Huechuraba, Santiago de Chile	Construc ion
Consorcio OHL AIA, S A	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Construc ion
Construcciones Adolfo Sobrino, S.A.	Gran Via Don Diego Dópez De Haro 33 - 4º 48009 Bilbao	Construction
Construcciones Colombianas OHL, S.A.S.	Cra. 17 Nº 93-09 Piso 8 Edificio Ecotower Bogo á (Colombia)	Construc ion
Cons ructora de Proyectos Viales de México, S A de C V	Avenida Ejérci o Nacional No.453, Piso 6, Colonia Granada, Alcaldía Miguel Hidalgo, Mexico City, C.P. 11520.	Construc ion
Cons ructora e Inmobiliaria Huarte Ltda.	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Construction
Cons ructora TP, S A C	Av. 28 de Julio, no. 150, piso 7, Miraflores - Lima - Peru	Construction
Constructora Vespucio Oriente, S.A.	Vitacura 4380 oficina 61, 7630275 Santiago de Chile	Construc ion
E y M Arabia, LLC	6161 King Abdulaziz Branch Road – Abhur Al Janubiyah Unit No. 6415 Jeddah 23731 – 2854	Construc ion
Empresa Cons ructora Huarte San José, Ltda.	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Construc ion
EyM Ins alaciones, S A	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Construc ion
EYM Norway, AS	Langhusveien 77, SKI -1400 (Norway)	Construction
Guinovart Rail, S A.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Construc ion
Health Mon real Collec ive CJV L.P.	810 St-Antoine str East. Mon real, H2Y 1A6. Quebec. Canada	Construc ion
Health Mon real Collec ive Limited Partnership	1440 St Ca herine West, Suite 500 Montreal, Quebec H3G1R8	Construc ion
Judlau Contracting, Inc	26-15 Umer Street, Collage Point, NY 11354	Construction
Mantohledo, S A	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Construction
Navarra Gestión del Agua, S.A.	Camino Labiano, no. 45, 1ª derecha (31192 - Mutilva) Navarre	Construc ion
NCC - OHL Lund-Arlöv, fyra spar Handelsbolag	170 80 Solna-Stockholm (Sweden)	Construc ion
Nuevo Hospi al de Burgos, S A	C/ Islas Baleares, s/n 09006 Burgos	Construc ion and operation of new Burgos hospi al
Nuevo Hospi al de Toledo, S A.	Avda. de Europa 24 Bajo 45003 Toledo	Construc ion
Obalovna Boskovice, s.r.o.	Rovná 2146, 680 01 Boskovice. Brno	Construc ion
Obrascón Huarte Lain, Construcción Internacional, S.L.	Paseo de la Castellana 259-D 28046 Madrid	Construc ion and operation
OHL Andina, S A	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Construc ion
OHL Arabia, LLC	Jameel Squire - Tahlia , Po Box 8909-Jeddah 23326	Construc ion and maintenance
OHL Arellano Cons ruc ion Company	7051 S W 12th Street, Miami, FL 33144, US	Construc ion
OHL Austral, S A.	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Construction
OHL Building, Inc.	7051 S W 12th Street, Miami, FL 33144, US	Construction
OHL Central Europe, a s.	C/ Olsanska, 2643/1A, 130 80 (Prague - Czech Republic)	Construc ion
OHL Colombia, S A S	Cra. 17 Nº 93-09 Piso 8 Edificio Ecotower Bogo á (Colombia)	Construc ion
OHL Construction Canada and FCC Canada Limited Partnership	5945 Airport Road, N.144, Mississauga. Ontario. Canada. L4V1R9	Construc ion
OHL Construction Canada, Inc.	1440 Ste Ca herine Ouest, Suite 410, Montreal, Quebec H3G1R8	Construc ion
OHL Construction Pacific Pty. Ltd	Level 3 | 349 Coronation Drive | Milton (Qld) 4064	Construction
OHL Finance, S.à r.l.	14 rue Edward Steichen, L - 2540, Luxembourg	Management
OHL Heal h Mon real (Holding) Inc	507 Place d'armes, office 250, Mon real, QC, H2Y 2W8	Construc ion
OHL Heal h Mon real (Partner) Inc	507 Place d'armes, office 250, Mon real, QC, H2Y 2W8	Construction
OHL Infraestructuras S A.S.	Cra. 17 Nº 93-09 Piso 8 Edificio Ecotower Bogo á (Colombia)	Construc ion
OHL Ireland Cons ruction and Engineering Limited	Unit 15, Second Floor, Nor hwood Court, Santry, Dublin 9	Construc ion
OHL Sverige AB	Drottninggatan 99, 113 60 Stockholm (Sweden)	Construction
OHL UK Construction Limited	30 Crown Place, London, Uni ed Kingdom, EC2A 4ES	Construc ion
OHL Uruguay, S A	Edificio Argela, calle Rio Negro, 1354, piso 3, escritorio 16 Mon evideo 11105, Uruguay	Construc ion
OHL USA, Inc	26-15 Ulmer Street, College Point, NY 11354	Construc ion
OHL ZS MO, S R L	65, Stefan cel Mare blvd, of 806, Chisinau, MD-2012, Moldova	Construc ion
OHL ZS Polska, S Z o o	UL. Tarnogajska 11/13, 50-512 Wroclaw (Poland)	Construction
OHL ZS Slovakia, a.s.	Tuhovska 29/ Bratislava	Construc ion
OHL ZS, a.s.	C/ Buresova 938/17, 660 02 (Brno - Czech Republic)	Construction
OHL-FCC North Tunnels Canada Inc	5945 Airport Road, N.144, Mississauga. Ontario. Canada. L4V1R9	Construc ion
Premol, S A. de C.V.	Avenida Ejérci o Nacional No.453, Piso 6, Colonia Granada, Alcaldía Miguel Hidalgo, Mexico City, C.P. 11520.	Construc ion

APPENDIX II

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Identification of the most significant companies composing the consolidated Group at 31 December 2019

COMPANY	REGISTERED OFFICE	MAIN LINE OF BUSINESS
Rhatigan OHL Limited	Earlsfort Terrace, Dublin (Ireland)	Construction
S.A. Trabajos y Obras	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Construction
Sawgrass Rock Quarry, Inc	9725 N.W. 117th Avenue, Suite 108, Miami, FL, 33178 US	Construction
Servicios Administrativos TMT, S.A. de C.V.	Calle Hamburgo 213 - Planta 9 Colonia Juárez, Delegación Cuauhtémoc	Construction
Sociedad Concesionaria Aguas de Navarra, S.A.	Camino Labiano, no. 45, 1ª derecha (31.192 - Mutilva) Navarre	Construction
Sociedad Concesionaria Centro de Justicia de Santiago, S.A.	Av. Manuel Rodriguez Sur # 2281, Santiago de Chile	Construction
Sociedad de Obras Civiles e Infraestructuras Viales, S.A. de C.V.	Avenida Ejército Nacional No.453, Piso 6, Colonia Granada, Alcaldía Miguel Hidalgo, Mexico City, C.P. 11520.	Construction
Tomi Remont, a.s.	C/ Premyslovka c.p. 2514/4, PSC 796 01 (Prostějov - Czech Republic)	Construction
Vacua, S.A.	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Construction
Industrial		
Arenales Solar PS, S.L.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Construction and operation of a thermal power plant
Chemtrol Proyectos y Sistemas, S.L.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Installation and maintenance of security and fire safety systems
Chepro México, S.A. de C.V.	Av. Ejército Nacional 453, Piso 6, Col. Granada, Alcaldía Miguel Hidalgo, Cp. 11520, Mexico City	Installation and maintenance of security and fire safety systems
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.	Av. Ejército Nacional 453, Piso 6, Col. Granada, Alcaldía Miguel Hidalgo, Cp. 11520, Mexico City	Industrial engineering and maintenance at industrial plants
Consorcio Instalaciones Mecánicas Hospital Dr. Gustavo Fricke SpA	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Performance of HVAC projects
Ecolaire España, S.A.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Design and performance of industrial engineering projects
Estación Rebombeo Degollado, S.A.P.I. de C.V.	Av. Ejército Nacional 453, Piso 6, Col. Granada, Alcaldía Miguel Hidalgo, Cp. 11520, Mexico City	Industrial engineering for a repumping station
Hidro Parsifal, S.A. de C.V.	Av. Ejército Nacional 453, Piso 6, Col. Granada, Alcaldía Miguel Hidalgo, Cp. 11520, Mexico City	Civil engineering construction work
Hidrógeno Cadereyta, S.A.P.I. de C.V.	Av. Ejército Nacional 453, Piso 6, Col. Granada, Alcaldía Miguel Hidalgo, Cp. 11520, Mexico City	Civil engineering construction work
IEPI México, S.A. de C.V.	Av. Ejército Nacional 453, Piso 6, Col. Granada, Alcaldía Miguel Hidalgo, Cp. 11520, Mexico City	Industrial engineering and maintenance at industrial plants
OHL Industrial and Partners LLC	Muscat, Governora e Muscat 112	Industrial engineering and maintenance at industrial plants
OHL Industrial Chile, S.A.	C/ Cerro El Plomo, no. 5855 Piso 15. Las Condes (Santiago de Chile)	Engineering works, technical advisory services, water treatment and
OHL Industrial Colombia, S.A.S.	Cra 17 No. 93-09 Oficina 702. Edificio Ecotower	Industrial engineering and maintenance at industrial plants
OHL Industrial Delegación Guatemala, S.A.	4A Avenida 15-70 Zona 10 Edificio Paladium Of. 9E	Industrial engineering and maintenance at industrial plants
OHL Industrial Honduras S. de R.L.	Tegucigalpa, municipio del Distrito Central, Departamento de Francisco Morazán (Honduras)	Industrial engineering and maintenance at industrial plants
OHL Industrial Mining & Cement, S.A.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Industrial engineering and maintenance at industrial plants
OHL Industrial Perú, S.A.C.	Av. 28 de Julio, no. 150, piso 8, Miraflores - Lima - Peru	Construction of industrial plants in the mining and cement, oil and gas,
OHL Industrial, S.L.	Torre Espacio, Pº de la Castellana no. 259 D, plan a 7, (28046 Madrid)	Industrial engineering and maintenance at industrial plants
Proyecto CCC Empalme I, S.A.P.I. de C.V.	Hamburgo 213, Piso 7, Colonia Juárez, Delegación Cuauhtemoc, Mexico City 06600	Development of a fossil-fuel power plant
Refinería Madero Tamaulipas, S.A.P.I. de C.V.	Juan Racine No. 112, Piso 10. Colonia Los Morales. Delegación Miguel Hidalgo. Mexico City C.P. 11510	Industrial engineering for a refinery
Sthim Maquinaria de México, S.A. de C.V.	Hamburgo 213, Piso 7, Colonia Juárez, Delegación Cuauhtemoc, Mexico City 06600	Administration consultancy services
Services		
Gizatzen, S.A.	Gran Via Don Diego Dópez De Haro 33 - 4º 48009 Bilbao	Building maintenance and upkeep
Ingesan Chile, SpA	C/ Rosario Norte nº 100 Dpto. 804 - Las Condes (Santiago de Chile)	Building maintenance and upkeep
Ingesan Servicios México S.A. de C.V.	Hamburgo 213, Piso 9, Colonia Juárez, Delegación Cuauhtemoc, Mexico City 06601	Building maintenance and upkeep
OHL Servicios-Ingesan, S.A.U.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Building maintenance and upkeep
Other		
57 Whitehall Holdings S.A.R.L.	20 Avenue Marie - Therese 2132 Luxembourg - Luxembourg	Operation, upkeep and maintenance of car parks
ALSE Park, S.L.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Operation of hotels and leisure centres
Avalora América S.A.C.	Av. 28 De Julio No. 150 Piso 7. Miraflores. Lima	New technologies
Avalora Chile SpA	Av. Providencia 1650 oficina 409, 410 Providencia (Santiago de Chile)	New technologies
Avalora Tecnologías de la Información, S.A.	Torre Espacio, Pº de la Castellana no. 259 D, plan a 7, (28046 Madrid)	New technologies
Controladora L4 - 5 Mayakoba, S.A. de C.V.	Carretera Federal Chetumal-Puerto Juárez Km. 298, Playa del Carmen, Solidaridad, Quintana Roo, Mexico C.P. 77710	Real estate project development
Gastronómica Santa Fé, S.A. de C.V.	Carretera Federal Chetumal-Puerto Juárez Km. 298, Playa del Carmen, Solidaridad, Quintana Roo, Mexico C.P. 77710	Operation of shopping and leisure centres
Huaribe, S.A. de C.V.	Carretera Federal Chetumal-Puerto Juárez Km. 298, Playa del Carmen, Solidaridad, Quintana Roo, Mexico C.P. 77710	Real estate project development services
Huaribe Servicios, S.A. de C.V.	Carretera Federal Chetumal-Puerto Juárez Km. 298, Playa del Carmen, Solidaridad, Quintana Roo, Mexico C.P. 77710	Real estate project development services
Marina Urola, S.A.	Barrio Santiago - Puerto deportivo - (Zumaia - Guipúzcoa)	Concession and operation of marina (Zumaia - Guipúzcoa)
Nova Dàrsena Esportiva de Barà, S.A.	C/ Puerto deportivo Roda de Barà. Edificio Capitania, Bajos. Pº Marítimo s/n, 43883 Roda de Barà. Tarragona	Port concession and operation
Obrascón Huarte Lain, Desarrollos, S.L.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Real estate project development services
OHL Concesiones Argentina, S.A.	Cl/Campana 2684 5º B - C1417Acl - Ciudad Autónoma de Buenos Aires	Operation of concessions
OHL Infrastructure, Inc.	555 Theodore Fremd Ave, Suite B 201 RYE. 10580 New York	Financial studies
OHLDM, S.A. de C.V.	Carretera Federal Chetumal-Puerto Juárez Km. 298, Playa del Carmen, Solidaridad, Quintana Roo, Mexico C.P. 77710	Real estate project development services
Playa 4 - 5 Mayakoba, S.A. de C.V.	Carretera Federal Chetumal-Puerto Juárez Km. 298, Playa del Carmen, Solidaridad, Quintana Roo, Mexico C.P. 77710	Operation of hotels and leisure centres
Proyecto Canalejas Group, S.L.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Operation of hotels and leisure centres
Senda Infraestructuras, S.L.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	Development of Concessions
Tenedora de Participaciones Tecnológicas, S.A.	Torre Espacio, Pº de la Castellana no. 259 D (28046 Madrid)	New technologies
Westminster Development Services Limited	33 St. James's Square, London Executive Offices, Eo M.05 London SW1Y 4JS	Growing of indigenous plants and reforestation services

APPENDIX III

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Detail of the equity and the net cost of the investment in the main companies composing the consolidated Group at 31 December 2019

Thousands of euros

COMPANY	Percentage of ownership			Share capital	Uncalled capital payments payable	Reserves	Profit (Loss) for 2019	Interim dividend	Total shareholders' equity	Valuation adjustments	Total equity	Participating loans	Total equity + participating loans	Underlying carrying amount	Net cost of the investment
	Direct	Indirect	Total												
Fully consolidated companies															
Acurat iniciativa social, S.L., Sociedad Unipersonal		100.00	100.00	3					3		3		3	3	3
Agrupación Guinovart Obras y Servicios Hispania, S.A.	100.00		100.00	30,050		15,218	3,953		49,221		49,221		49,221	49,221	69,056
Asfaltos y Construcciones Elsan, S.A.	100.00		100.00	7,603		(360)	1,617		8,860		8,860	5,000	13,860	13,860	13,940
Avalora América S.A.C.		100.00	100.00	242		174	(276)		140		140		140	140	140
Avalora Chile Spa.		100.00	100.00	149		(28)	22		143		143		143	143	144
Avalora Tecnologías de la Información, S.A.		100.00	100.00	455		6,079	159		6,693		6,693		6,693	6,693	6,860
Avalora USA, INC		100.00	100.00												
CAC Vero I, LLC		100.00	100.00	3,116		702	56		3,874		3,874		3,874	3,874	3,116
Chemtrol Proyectos y Sistemas, S.L.		100.00	100.00	630		(11,662)	293		(10,739)		(10,739)	12,500	1,761	1,761	1,680
Chepro México, S.A. de C.V.		100.00	100.00	5		(226)	(92)		(313)		(313)		(313)	(313)	
Cogeneración Complejo Pajaritos, S.A.P.I. de C.V.		50.00	50.00	7		(5,102)	(1,387)		(6,482)		(6,482)		(6,482)	(3,241)	
Community Asphalt Corp.	6.50	93.50	100.00	2		7,262	(16,724)		(9,460)		(9,460)		(9,460)	(9,460)	155,765
Consorcio Aura OHL, S.A.	65.00		65.00	177	(177)										
Consorcio Instalaciones Mecánicas Hospital Dr. Gustavo Fricke SpA.		100.00	100.00	1,427		(1,508)	82		1		1		1	1	1,426
Consorcio OHL AIA S.A.		100.00	100.00	236			(43)		193		193		193	193	237
Construcciones Adolfo Sobrino S.A.	100.00		100.00	1,520		9,246	(3,420)		7,346		7,346		7,346	7,346	18,641
Construcciones Colombianas OHL, S.A.S.	30.00	70.00	100.00	76		19,133	(23,447)		(4,238)		(4,238)		(4,238)	(4,238)	
Constructora de Proyectos Viales de México, S.A. de C.V.		100.00	100.00	2,359		78,542	6,648		87,549		87,549		87,549	87,549	87,549
Constructora e Inmobiliaria Huarte Ltda.	89.90	10.10	100.00	615		(310)	(137)		168		168		168	168	2,389
Constructora TP, S.A.C.		100.00	100.00	2,687		295	338		3,320		3,320		3,320	3,320	5,359
Controladora L 4 5 Mayakoba, S.A. de C.V.		100.00	100.00	35,957		(48)	(34,008)		1,901		1,901		1,901	1,901	31,380
E y M Arabia, LLC		100.00	100.00	119		12,844	(958)		12,005		12,005		12,005	12,005	102
Ecolaire España, S.A.		100.00	100.00	905		(25,854)	40		(24,909)		(24,909)	25,500	591	591	619
Empresa Constructora Huarte San José, Ltda.	95.00	5.00	100.00	18	(17)	188			189		189		189	189	11
Estación Rebombeo Degollado, S.A.P.I. de C.V.		50.00	50.00			(3,207)	(77)		(3,284)		(3,284)		(3,284)	(1,642)	
EYM Instalaciones, S.A.		100.00	100.00	601		6,296	8,038		14,935		14,935		14,935	14,935	4,490
EYM México Instalaciones, S.A. DE C.V.		100.00	100.00	14		178	70		262		262		262	262	14
EYM Norway, AS		100.00	100.00	3		88	122		213		213		213	213	3
Gastronómica Santa Fe, S.A. de C.V.		100.00	100.00	2,420		(3,432)	1,085		73		73		73	73	998
Gizatzen, S.A.		100.00	100.00	60		(4)	(8)		48		48		48	48	60
Guinovart Rail, S.A.		100.00	100.00	100		(15)	(30)		55		55	500	555	555	600
Hidro Parsifal, S.A. de C.V.		79.66	79.66	36		(1,273)	303		(934)		(934)		(934)	(744)	
Hidrógeno Cadereyta, S.A.P.I. de C.V.		53.90	53.90			(2,383)	278		(2,105)		(2,105)		(2,105)	(1,135)	
Huaribe S.A. de C.V.		100.00	100.00	71,351		(64,169)	11,032		18,214		18,214		18,214	18,214	38,923
Huaribe Servicios, S.A. de C.V.		100.00	100.00	150		209	160		519		519		519	519	132
IEPI México, S.A. DE C.V.		100.00	100.00	1,080		5,338	6,081		12,499		12,499		12,499	12,499	
Ingesan Chile, SpA		100.00	100.00	24	(24)	(14)			(14)		(14)		(14)	(14)	(27)
Ingesan Servicios México S.A. de C.V.		100.00	100.00	1,924		(2,285)	(1,059)		(1,420)		(1,420)		(1,420)	(1,420)	
Judlau Contracting, Inc.		100.00	100.00	23		99,081	23,859		122,963		122,963		122,963	122,963	162,386
Mantohledo, S.A.	100.00		100.00	69		(964)	696		(199)		(199)	962	763	763	320
Marina Urola, S.A.	25.50	25.50	51.00	503		306	59		868		868		868	443	460
Obrascón Huarte Lain, Construcción Internacional, S.L.	100.00		100.00	42,923		16,040	(36,760)		22,203		22,203		22,203	22,203	136,539
Obrascon Huarte Lain, Desarrollos, S.L.	100.00		100.00	83,339		(13,903)	(49,721)		19,715		19,715		19,715	19,715	19,707
OHL Andina, S.A.	99.00	1.00	100.00	2,750		24,864	6,682		34,296		34,296		34,296	34,296	3,281

APPENDIX III

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Detail of the equity and the net cost of the investment in the main companies composing the consolidated Group at 31 December 2019

Thousands of euros

COMPANY	Percentage of ownership			Share capital	Uncalled capital payments payable	Reserves	Profit (Loss) for 2019	Interim dividend	Total shareholders' equity	Valuation adjustments	Total equity	Participating loans	Total equity + participating loans	Underlying carrying amount	Net cost of the investment
	Direct	Indirect	Total												
OHL Arabia LLC	95.00	5.00	100.00	119		6,100	4,453		10,672		10,672		10,672	10,672	105
OHL Arellano Construction Company		100.00	100.00	1		9,088	2,038		11,127		11,127		11,127	11,127	61,734
OHL Austral, S.A.		100.00	100.00	12,228		12,479	2,622		27,329		27,329		27,329	27,329	4,754
OHL Building INC.		100.00	100.00	1		5,349	725		6,075		6,075		6,075	6,075	46,961
OHL Central Europe, a.s.		100.00	100.00	19,717		1,001	(1,551)		19,167		19,167		19,167	19,167	78,602
OHL Colombia, S.A.S.		100.00	100.00	100		(6,366)	(3,647)		(9,913)		(9,913)		(9,913)	(9,913)	
OHL Concesiones Argentina, S.A.	100.00		100.00	134		(134)									
OHL Construction Canada, Inc.		100.00	100.00	419,102		(76,474)	9,629		352,257		352,257		352,257	352,257	1,263
OHL Construction Pacific PTY LTD	100.00		100.00			(9,055)	761		(8,294)		(8,294)		(8,294)	(8,294)	
OHL Finance, S.á.r.l.		100.00	100.00	2,456		29,762	(32,612)		(394)		(394)		(394)	(394)	1
OHL Health Montreal (Holding) Inc.		100.00	100.00			(20)	(1)		(21)		(21)		(21)	(21)	
OHL Health Montreal (Partner) Inc.		100.00	100.00	1,543		(25)	(3)		1,515		1,515		1,515	1,515	1,543
OHL Industrial and Partners LLC		100.00	100.00	578	(173)	(34,831)	(88)		(34,514)		(34,514)		(34,514)	(34,514)	
OHL Industrial Chile, S.A.	0.00	100.00	100.00	48,252		(41,150)	4,886		11,988		11,988		11,988	11,988	10,563
OHL Industrial Colombia, S.A.S.		100.00	100.00	484		(10,165)	(6,102)		(15,783)		(15,783)		(15,783)	(15,783)	
OHL Industrial Delegación Guatemala, S.A.		100.00	100.00	1		(53,570)	2,606		(50,963)		(50,963)		(50,963)	(50,963)	1
OHL Industrial Honduras S. de R.L.		100.00	100.00	3					3		3		3	3	2
OHL Industrial Mining & Cement, S.A.		100.00	100.00	1,964		(1,623)	(767)		(426)		(426)	3,500	3,074	3,074	3,500
OHL Industrial Perú, S.A.C.		100.00	100.00	4,273		(1,461)	(632)		2,180		2,180		2,180	2,180	2,180
OHL Industrial, S.L.	100.00		100.00	47,694		(158,310)	(17,033)		(127,649)		(127,649)	163,000	35,351	35,351	46,385
OHL Infraestructuras S.A.S.	10.00	90.00	100.00	76			10		86		86		86	86	73
OHL Infrastructure, Inc.	100.00		100.00			(2,985)	(742)		(3,727)		(3,727)		(3,727)	(3,727)	
OHL Ireland Construction and Engineering Limited		100.00	100.00			(771)	867		96		96		96	96	1
OHL Servicios Ingesan, S.A.U.	100.00		100.00	790		8,601	512		9,903		9,903		9,903	9,903	1,172
OHL Sverige AB		100.00	100.00	5		2,564	(1,568)		1,001		1,001		1,001	1,001	4,793
OHL UK Construction Limited		100.00	100.00	588		(575)	295		308		308		308	308	559
OHL Uruguay, S.A.	100.00		100.00			(2)	236		234		234		234	234	
OHL USA, Inc.		100.00	100.00	6,676		399,003	8,436		414,115		414,115		414,115	414,115	377,011
OHL ZS d.o.o. Banja Luka		100.00	100.00	10		5	3		18		18		18	18	13
OHL ZS MO, S.R.L.		100.00	100.00				4		4		4		4	4	
OHL ZS Polska, S.Z.O.O.		100.00	100.00	12		(1,008)	1,125		129		129		129	129	
OHL ZS Slovakia, a.s.		100.00	100.00	12,368		(4,776)	(3,554)		4,038		4,038		4,038	4,038	9,942
OHL ZS, a.s.		100.00	100.00	52,987		30,811	620		84,418		84,418		84,418	84,418	23,991
OHLDM, S.A. de C.V.		100.00	100.00	131,952		(59,071)	(9,758)		63,123		63,123		63,123	63,123	
Playa 4 5 Mayakoba, S.A. de C.V.		100.00	100.00	1,992		(8,227)	(1,010)		(7,245)		(7,245)		(7,245)	(7,245)	1,992
Premol, S.A. de C.V.		100.00	100.00	49		2,751	403		3,203		3,203		3,203	3,203	50
S.A. Trabajos y Obras	100.00	-	100.00	1,854	-	44,477	(256)	-	46,075		46,075		46,075	46,075	43,347
Sawgrass Rock Quarry Inc.		100.00	100.00	1		3,382	40		3,423		3,423		3,423	3,423	10,237
Senda Infraestructuras, S.L.	100.00		100.00	4		998	(137)		865		865		865	865	1,003
Sociedad Concesionaria Aguas de Navarra, S.A.	65.00		65.00	7,370		3,210	(668)		9,912	(5,714)	4,198		4,198	2,729	4,791
Sociedad Concesionaria Centro de Justicia de Santiago, S.A.	100.00		100.00	12,306		(95)	214		12,425		12,425		12,425	12,425	9,809
Sociedad de Obras Civiles e Infraestructuras Viales, S.A. de C.V.		100.00	100.00	18,618		(15,303)	(3,281)		34		34		34	34	3
Sthim Maquinaria de México, S.A. de C.V.		100.00	100.00	2	(2)	(308)	16		(292)		(292)		(292)	(292)	
Tenedora de Participaciones Tecnológicas, S.A.	100.00		100.00	601		(35,056)	(6,077)		(40,532)		(40,532)	41,162	630	630	630
Tomi Remont, a.s.		100.00	100.00	1,948		9,629	2,239		13,816		13,816		13,816	13,816	7,478
Vacua, S.A.	99.11	0.89	100.00	13,557		(12,997)	(1)		559		559		559	559	604

APPENDIX III

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Detail of the equity and the net cost of the investment in the main companies composing the consolidated Group at 31 December 2019

Thousands of euros

COMPANY	Percentage of ownership			Share capital	Uncalled capital payments payable	Reserves	Profit (Loss) for 2019	Interim dividend	Total shareholders' equity	Valuation adjustments	Total equity	Participating loans	Total equity + participating loans	Underlying carrying amount	Net cost of the investment
	Direct	Indirect	Total												
Companies accounted for using the equity method															
Joint ventures															
Consorcio Conpax OHL VALKO, S.A.	-	49.00	49.00	1,182	-	3,752	15,849	(14,778)	6,005	-	6,005	-	6,005	2,942	325
Constructora Vespucio Oriente, S.A.	50.00	-	50.00	12	-	153	1,238	-	1,403	-	1,403	-	1,403	702	3
Health Montreal Collective CJV L.P.	-	50.00	50.00	1	-	535,754)	(16,968)	-	552,721)	-	(552,721)	535,654	(17,067)	8,534)	267,827
NCC - OHL Lund-Arlöv, fyra spar Handelsbolag	-	50.00	50.00	-	-	1,830	764	-	2,594	-	2,594	-	2,594	1,297	-
Nova Dársena Esportiva de Bara, S.A.	-	50.00	50.00	3,731	-	(7,200)	10	-	(3,459)	-	(3,459)	31,276	27,817	13,909	10,190
OHL Construction Canada and Fomento de Construcciones y Contratas Canada Limited Partnership	-	50.00	50.00	1	-	(155,851)	459	-	(155,391)	-	(155,391)	139,330	(16,061)	8,031)	69,665
OHL-FCC NORTH TUNNELS CANADA INC	-	50.00	50.00	-	-	(3,568)	3	-	(3,565)	-	(3,565)	3,580	15	8	1,790
Prestadora de Servicios PLSV, S.A. DE C.V.	-	50.00	50.00	74	(52)	(18)	-	-	4	-	4	-	4	2	11
Proyecto CCC Empalme I, S.A.P.I. de C.V.	-	50.00	50.00	-	-	(25,744)	(12,483)	-	(38,227)	-	(38,227)	-	(38,227)	(19,114)	-
Refiner a Madero Tamaulipas, S.A.P.I. de C.V.	-	50.00	50.00	-	-	(1,926)	119	-	(1,807)	-	(1,807)	-	(1,807)	(904)	-
Rhatigan OHL Limited	-	50.00	50.00	-	-	4,690	(3,885)	-	805	-	805	-	805	403	-
Servicios Administrativos TMT, S.A. DE C.V.	-	50.00	50.00	-	-	99	66	-	165	-	165	-	165	83	-
Westminster Development Services Limited	-	50.00	50.00	12	-	990	590	-	1,592	-	1,592	-	1,592	796	7
Associates															
ALSE Park, S.L.	-	17.50	17.50	4,298	-	1,093	(1,050)	-	4,341	-	4,341	-	4,341	760	1,891
Arenales Solar PS, S.L.	-	25.02	25.02	71	-	(69,594)	-	-	(69,523)	(22,667)	(92,190)	177,810	85,620	21,422	-
Health Montreal Collective Limited Partnership	-	25.00	25.00	6,173	-	23,598	(2,637)	-	27,134	-	27,134	-	27,134	6,784	1,543
Nuevo Hospital de Burgos, S.A.	20.75	-	20.75	55,033	-	(63,917)	(4,731)	-	(13,615)	-	(13,615)	-	(13,615)	(2,825)	-
Nuevo Hospital de Toledo, S.A.	33.34	-	33.34	29,086	-	2,930	6,408	-	38,424	(20,742)	17,682	37,705	55,387	18,466	22,266
Navarra Gestión del Agua, S.A.	30.00	-	30.00	60	-	689	64	-	813	-	813	-	813	244	18
Obalovna Boskovice, s.r.o.	-	45.00	45.00	1,499	-	-	71	-	1,570	-	1,570	-	1,570	707	558
Proyecto Canalejas Group, S.L.	-	50.00	50.00	71,670	-	350,147	-	-	421 817	-	421 817	-	421,817	210,909	155,784
Regena spol s.r.o.	-	50.00	50.00	4	-	270	88	-	362	-	362	-	362	181	19
57 Whitehall Holdings Limited	-	49.00	49.00	1	-	(232)	(2)	-	(233)	-	(233)	-	(233)	(114)	1
57 Whitehall Holdings S.A.R.L.	-	49.00	49.00	29	-	290 894	(253)	-	290 670	-	290 670	-	290,670	142,428	105,504

APPENDIX IV

OBRASCÓN HUARTE LAIN, S.A. AND SUBSIDIARIES

Detail of the changes in the scope of consolidation at 31 December 2019

Subsidiaries (fully consolidated)

INCLUSIONS		EXCLUSIONS	
COMPANY	**REASON**	**COMPANY**	**REASON**
Consorcio OHL AIA, S.A.	Incorporation	Desarrollador Maestro Ciudad Mayakoba, S.A. de C.V.	Sale
OHL Infraestructuras S.A.S.	Incorporation	Desarrollo Vivienda MK1, S.A.P.I. de C.V.	Sale
Acurat Iniciativa Social, S.L., Sole-Shareholder Company	Incorporation	Lotes 4-5 Hotel Mayakoba, S.A. de C.V.	Sale
OHL Systems & Electric, LLC	Incorporation	MKB Real Estate, S.A. de C.V.	Sale

Joint ventures and associates (accounted for using the equity method)

INCLUSIONS		EXCLUSIONS	
COMPANY	**REASON**	**COMPANY**	**REASON**
Torc Sustainable Housing Holdings Limited	Incorporation	Altos de Ciudad Mayakoba, S.A. de C.V.	Sale
Torc Sustainable Housing Limited	Incorporation	Asenda Ciudad Mayakoba, S.A. de C.V.	Sale
		La Ceiba DCM, S.A. de C.V.	Sale
		Novaterra Caribe, S.A.P.I. de C.V.	Sale
		Mayakoba Country Club, S.A. de C.V.	Sale
		Fideicomiso Desarrollo OV CIB/2185	Sale
		Línea de Evacuación Compartida FWIS, A.I.E.	Dissolution
		Stavba a údrzba zelezníc, a.s. Bratislava	Liquidation

OBRASCÓN HUARTE LAIN, S.A.

AND SUBSIDIARIES

CONSOLIDATED DIRECTORS' REPORT

FOR THE YEAR ENDED 31 DECEMBER 2019

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Translation of a report originally issued in Spanish. In the event of a discrepancy, the Spanish-language version prevails.

CHAPTER I.- OHL IN A CLICK

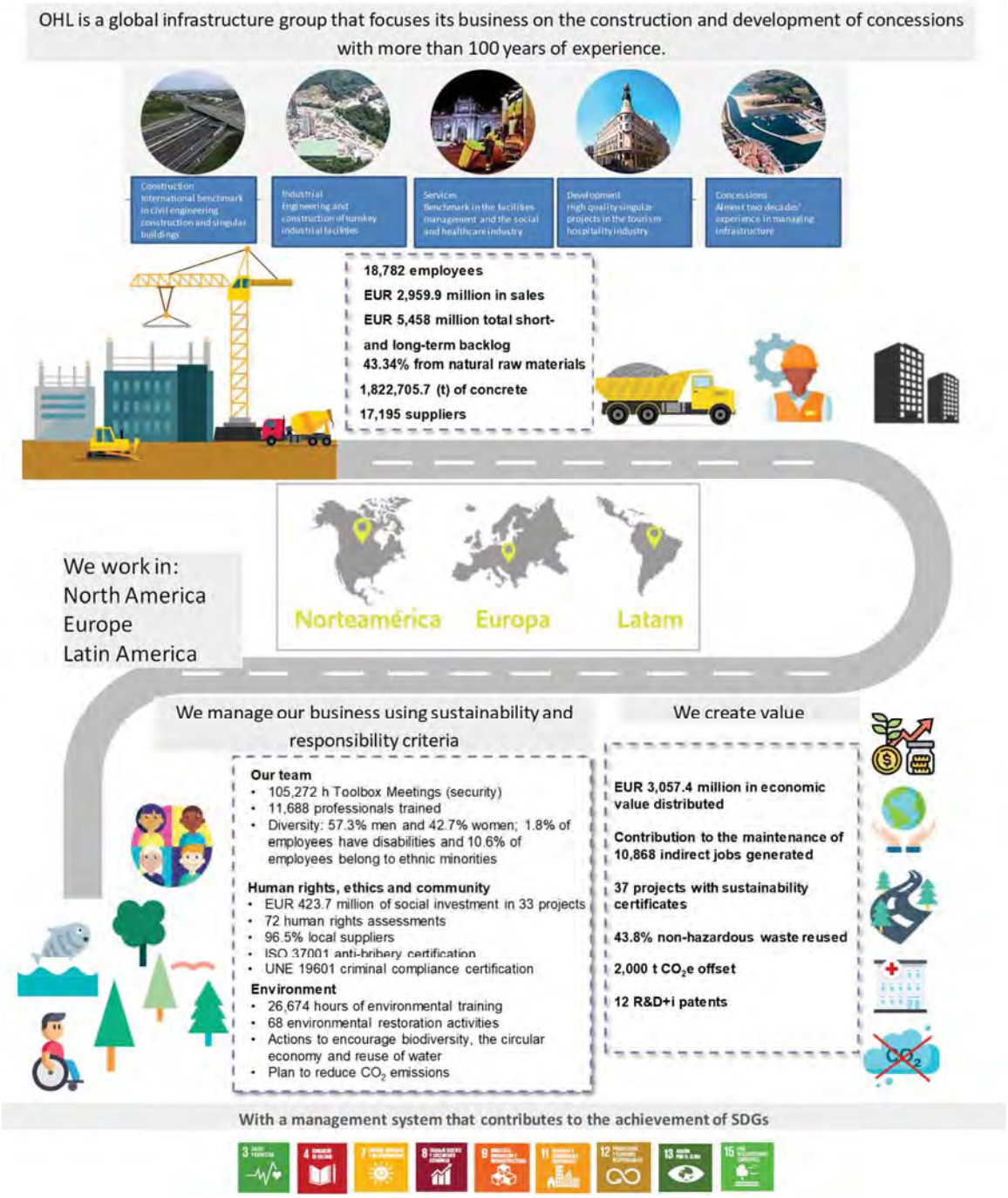
I. PROFILE OF THE GROUP

Obrascón Huarte Lain, S.A. (OHL), as a global infrastructure group, focuses its activity on the construction and development of infrastructure. Incorporated in 1911, the Company's main markets are in Europe, Latin America and the US, where it has a noteworthy position. This is the case in the US, where OHL is the 49th largest international contractor and was named 2019 Contractor of the Year by the prestigious publication Engineering News-Record (ENR).

OHL is committed to a sustainable growth model, exports economic, environmental and social value to the communities in which it has a presence and contributes to increasing their wellbeing, making them more dynamic and achieving progress. Within the framework of this activity, OHL participates in initiatives aimed at fighting against climate change, and at the same time it has included in its business model various methodologies for facilitating energy efficiency, the circular economy and a commitment to innovation with a view to boosting sustainable development. In addition to environmental challenges, OHL has an active commitment with respect to human and employment rights, business ethics and transparency in its management and stakeholder relations.

The Company is a member of the FTSE4Good Ibex stock market index, participates as a development partner in Forética, an entity that promotes the integration of social, environmental and good governance aspects in the strategy and management of companies and organisations in Spain and Latin America, and is part of the Spanish Network of the Global Compact. Also, OHL's various lines of business are aligned with the United Nations' 2030 Agenda for Sustainable Development and with the Sustainable Development Goals (SDGs). In addition, in 2019 OHL adhered to the New Deal for Europe manifesto promoted by CSR Europe, a leading European entity in corporate sustainability and responsibility.

I.I VALUE CREATION MODEL



II. THE GROUP'S PERFORMANCE AND MAIN MILESTONES IN 2019

OHL ended 2019 with sales figures in line with those of 2018, consolidating the gross margins of prior quarters and generating increasing EBITDA throughout the year.

Sales amounted to EUR 2,959.9 million in 2019, with EBITDA of EUR 64.8 million (a margin of 2.2% of sales), and all the Group's business divisions contributed positively. EBIT amounted to EUR -12.3 million, compared with the significant losses incurred in 2018.

The net loss attributable to the Parent amounted to EUR -143.0 million, affected mainly by the impairment losses recognised on the participation in the Old War Office project.

The total backlog at 31 December 2019 amounted to EUR 5,457.9 million. Total new contracts in 2019 amounted to EUR 2,667.7 million, 76% relating to work to be performed by OHL itself and 64% to public sector customers. 99.0% of the backlog is located in the three main regions where the Group operates (33.8% in the US, 43.8% in Europe and 21.8% in Latin America).

As regards its recourse liquidity, OHL ended 2019 with a liquidity position of EUR 781.6 million, and, accordingly, has net recourse borrowings of EUR -106.5 million.

In the analysis of the business' use of cash in 2019, mention must be made of the EUR 198.9 million reduction thereof, from EUR 429.0 million to EUR 230.1 million:

Use of cash in the business	2018	9M19	4Q19	2019	Change
Total cash used/(generated)	**429.0**	320.1	(90.0)	**230.1***	**(198.9)**

*The EUR 230.1 million of cash used in 2019 includes loss-making projects that account for EUR (146

Millions of euros

The reduction in the use of cash was due mainly to:

- An **improvement in the generation of cash from projects** of around EUR 180 million, where an improvement in the management of working capital in projects can be observed.
- A **reduction** mainly **in the entire OHL Group's overheads** of EUR 53 million. This reduction takes the entire Group's overheads to EUR 145.2 million, from EUR 240 million in 2017 and EUR 198 million in 2018.

As regards **investments and divestments**, EUR 87.4 million were invested in 2019, mainly in projects carried out by the OHL Desarrollos division, and EUR 77.3 million were received from the **divestment** of "Ciudad Mayakoba" (leaving close to EUR 24 million outstanding).

In chart form, the change in recourse liquidity was as follows:

II.I. 2019 IN FIGURES

MAIN AGGREGATES

Main aggregates	2019	2018	Change (%)
Sales	**2,959.9**	**2,906.9**	**1.8%**
EBITDA	**64.8**	**-496.0**	**N/A**
% of sales	2.2%	-17.1%	
EBIT	**-12.3**	**-561.0**	**-97.8%**
% of sales	-0.4%	-19.3%	
Net attributable loss	**-143.0**	**-1,577.3**	**-90.9%**
% of sales	-4.8%	-54.3%	

Detail of sales and EBITDA	2019	2018	Change (%)
Sales	**2,959.9**	**2,906.9**	**1.8%**
Construction	2,452.3	2,448.7	0.1%
Industrial	218.2	189.9	14.9%
Services	275.6	264.1	4.4%
Other	13.8	4.2	N/D
EBITDA	**64.8**	**-496.0**	**N/A**
Construction	75.5	-329.6	N/A
% EBITDA margin, Construction	*3.1%*	*-13 5%*	*16.5%*
Industrial	9.8	-63.0	N/A
% EBITDA margin, Industrial	*4.5%*	*-33 2%*	*37.7%*
Services	12.4	1.3	N/A
% EBITDA margin, Services	*4.5%*	*0 5%*	*4.0%*
Corporate and other	-32.9	-104.7	-68.6%

Liquidity and borrowings	2019	2018	Change (%)
Total liquidity	**784.5**	**1,037.0**	**-24.3%**
Recourse liquidity	781.6	1,033.3	-24.4%
Net borrowings	**-55.4**	**-296.0**	**-81.3%**
Net recourse borrowings	-106.5	-346.8	-69.3%
Net non-recourse borrowings	51.1	50.8	0.6%

Backlog	2019	2018	Change (%)
Short-term	4,999.6	5,876.4	-14.9%
Long-term	458.3	218.2	110.0%
Total	**5,458**	**6,095**	**-10.4%**

Employees	2019	2018	Change (%)
Permanent	12,548	12,167	3.1%
Temporary	6,234	6,206	0.5%
Total	**18,782**	**18,373**	**2.2%**

Millions of euros/Persons

PROFIT/LOSS BY DIVISION

OHL GROUP

Main aggregates	2019	2018	Change (%)
Sales	**2,959.9**	**2,906.9**	**1.8%**
EBITDA % of sales	**64.8** 2.2%	**-496.0** -17.1%	**N/A**
EBIT % of sales	**-12.3** -0.4%	**-561.0** -19.3%	**-97.8%**

Millions of euros

In 2019 the OHL Group recorded sales of EUR 2,959.9 million, which represents a 1.8% increase on 2018.

EBITDA amounted to EUR 64.8 million (2.2% of sales), improving the year-ago figure and confirming the recovery observed in previous quarters.

Total new contracts amounted to EUR 2,667.7 million to place the short-term backlog at EUR 4,999.6 million, representing 20.3 months of sales. The total backlog, including short- and long-term projects, stands at EUR 5,457.9 million.

The main contracts in the backlog at 31 December 2019 were as follows:

	Country	2019
I-405 project	US	468.2
Vespucio Oriente toll road	Chile	300.7
NY TN-49 Replacement of roadway deck	US	196.5
Mantos Blancos	Chile	121.4
Modernisation of the Sudomerice-Votice railway line	Czech Rep.	116.6
D1 Hubová - Ivachnová toll road	Slovakia	115.2
Oslo-Ski high-speed rail line (Follo Line Project)	Norway	108.8
Vitoria-Bilbao high-speed rail line	Spain	76.6
Main projects in the backlog		**1,503.9**

Millions of euros

Performance, by activity segment, is as follows:

CONSTRUCTION

Main aggregates	2019	2018	Change (%)
Sales	**2,452.3**	**2,448.7**	**0.1%**
EBITDA % of sales	**75.5** 3.1%	**-329.6** -13.5%	**N/A**
EBIT % of sales	**18.9** 0.8%	**-373.4** -15.2%	**N/A**

Millions of euros

Sales of EUR 2,452.3 million (82.9% of total sales), in line with 2018 sales. The increase in activity in the US and Europe was offset by a fall in activity in Latin America, mainly in Mexico and Colombia.

EBITDA amounted to EUR 75.5 million, representing a margin of 3.1% of sales, a higher return than that reported in previous quarters, and exceeding the objective set by the Group.

The backlog stands at EUR 4,385.7 million, million, representing 21.5 months of sales, with a book-to-bill ratio of 0.9 times. New contracts in 2019 amounted to EUR 2,117.5 million, 45.2% of which relates to Europe, 33.1% to the US, 20.6% to Latin America and the remaining 1.1% to the other geographical areas in which the Group operates.

The most noteworthy awards obtained in the year are as follows:

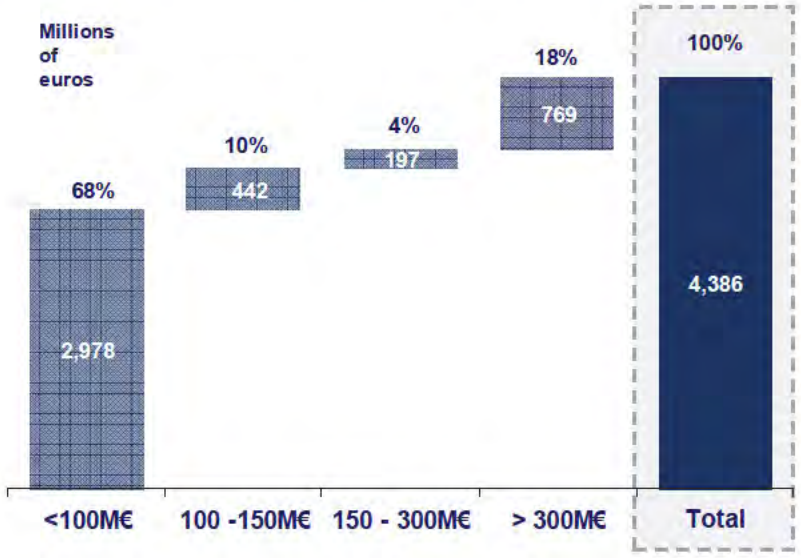
	Country	2019
Valencia Advanced Water Reclamation Plant	US	76.0
Caltrans 05-1f Monterey	US	67.6
Third lanes, Autopista del Sol	Chile	65.3
PPP social housing	Ireland	65.0
Electrification and capacity, Olomouc Railway	Czech Rep.	49.4
Hybrid tunnel and extension of platform	Chile	43.7
Ardie R. Copas State Veterans' Nursing Home, Florida	US	43.2
Total main awards		**410.2**
Other awards		1,707.3
Total awards		**2,117.5**

Millions of euros

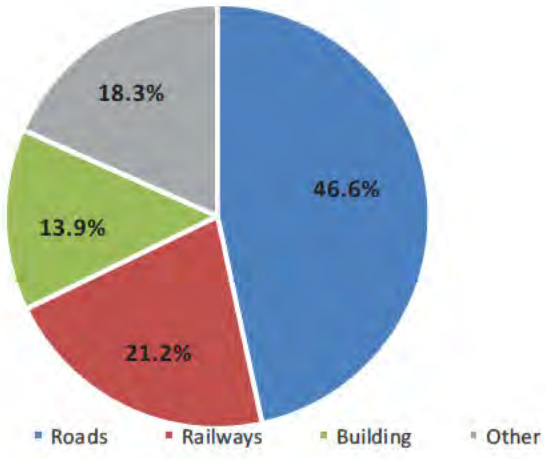
The geographical distribution of the short-term backlog is as follows:

	31/12/19
Main regions	**97.5%**
US	42.1%
Europe	35.6%
Latin America	19.8%
Other	**2.5%**

Based on the size of the construction project, the distribution of the backlog is as follows:



By type of project, 46.6% corresponds to roads, 21.2% to railways, 13.9% to building construction and the remaining 18.3% to other activities.



INDUSTRIAL

Main aggregates	2019	2018	Change (%)
Sales	**218.2**	**189.9**	**14.9%**
EBITDA	**9.8**	**-63.0**	**N/A**
% of sales	4.5%	-33.2%	
EBIT	**8.3**	**-67.6**	**N/A**
% of sales	3.8%	-35.6%	

Millions of euros

The Industrial business recorded sales of EUR 218.2 million, up 14.9% on 2018, due mainly to increased activity in renewables, mining and cement.

EBITDA amounted to EUR 9.8 million, 4.5% of sales, representing a significant improvement on 2018. The highlights were the margins obtained by the Renewables, Mining and Cement and Operations and Maintenance (O&M) segment and Fire Safety.

The backlog stands at EUR 248.8 million, representing 13.7 months of sales, a backlog similar to that of 2018 as a result of the significant new orders obtained in mining and cement projects. The detail of the backlog is as follows: Mining, 50.5%, EPC, 30.7% and Operations, Maintenance and Fire Safety and other projects, the remaining 18.8%.

SERVICES

Main aggregates	2019	2018	Change (%)
Sales	**275.6**	**264.1**	**4.4%**
EBITDA	**12.4**	**1.3**	**N/D**
% of sales	4.5%	0.5%	
EBIT	**7.7**	**-2.5**	**N/A**
% of sales	2.8%	-0.9%	

Millions of euros

Sales amounted to EUR 275.6 million, a 4.4% increase on the year-ago period, driven by the home services, maintenance, energy efficiency and urban services activity.

EBITDA ended the year at EUR 12.4 million (4.5% of sales), improving the profits of the previous three quarters. Profits are based on the improved margins in urban services and cleaning arising from new contracts, the improvement of other existing contracts and the containment of overheads.

The backlog at 31 December 2019 amounted to EUR 365.1 million, representing 15.9 months of sales, after a total of EUR 265.0 million in contracts for new projects were arranged in 2019 (92.4% in Spain). Of the total backlog, 81.3% relates to public sector customers, and the remaining 18.7% to private sector customers.

OTHER

The Group has another two less significant lines of business: Infrastructure Promotion and Developments, which ended 2019 with EBITDA of EUR -5,5 million.

CHAPTER II.- STRATEGY

I. BUSINESS MODEL

I.I. *BUSINESS PLAN* AND OUTLOOK

In 2019 OHL made progress in its recovery thanks to the measures implemented since 2018, built around strict control of income and of cash from construction projects, and a firm commitment to reducing overheads. Thanks to the management effort made, the construction business was profitable, as were the Company's other lines of business. Both Construction, and Industrial and Services achieved positive EBITDA in all four quarters of this year.

The Company achieved the objectives proposed for 2019, a period classified as *transitional*, and, accordingly, OHL is in a better starting position to address 2020, which must be the year of *consolidation* and in which sales are expected to amount to between EUR 2,500 million and EUR 3,000 million, EBITDA is expected to top EUR 70 million and new contracts exceeding EUR 3,000 million will foreseeably be obtained.

The Company's strategic cornerstones to be able to achieve these objectives are as follows:

- **Corporate governance.** OHL today has sounder and more independent corporate governance, as its Board of Directors comprises ten members, most of whom are non-proprietary directors. In the composition of its Board, OHL has pre-empted compliance with the recommendation for 30% of directors to be women, thus complying since 2018 with the objective set by the Code of Good Governance for 2020.
- **Focus on the generation of cash.** Cash control in projects has been established as a fundamental priority; work was performed in this area and significant progress was made in 2019 and further efforts will be made in 2020.
- **Cost control.** The Company worked intensely to reduce overheads. Overheads ended 2019 at EUR 145.2 million, 4.9% of sales, after beginning 2017 at EUR 240 million, 7.6% of sales.
- **Backlog management and risk control.** A commitment will be made in 2020 to continue with the sustainable management of the backlog, strengthening the control of risks at the bid stage. From the profitability standpoint, the objective in new contracts will be to obtain margins in excess of 8%.
- **Concession business.** Senda Infraestructuras, the infrastructure development subsidiary, is prepared to add new assets to its portfolio in 2020. OHL is committed to being a developer of concessions and developments that generates construction contracts with above average margins, minimising capital contributions, and with a future asset rotation policy.

In this context, in 2020, the management of the Company will be centred on:

- Increasing new contracts.
- Optimising and improving operating margins by adjusting overheads and promoting new concession projects.
- Continuing and intensifying the focus on cash flow management.

Also, in 2020 the Company, through the Developments division, will achieve a significant milestone with the entry into operation of Centro Canalejas Madrid, which includes the first and only hotel in the Four Seasons chain in Spain, 22 Four Seasons Private Residences Madrid residences and the Galería Canalejas exclusive shopping mall, thus demonstrating OHL's excellent capability for real estate management in large hotel projects. In order to face this future with the utmost guarantees, OHL has:

- An efficient, business-oriented structure.
- A solid presence in the geographical areas in which the Company has a mature position.
- A proven track record and know-how.
- Active management and risk control.
- Management independence.
- An executive team fully aligned with the Company's strategic plan.

As a result of the appearance of the COVID-19 virus in China and its significant international expansion, and bearing in mind the complexity of the markets and the absence, for the time being, of effective medical treatment, the consequences for the Group's operations are uncertain. Although it is still premature to assess the consequences of all kinds for the Group, this event will foreseeably affect production, which might have consequences for the Group's main economic aggregates and, in this connection, the directors are continually monitoring the evolution of this situation in order to analyse any impacts that might occur and take the appropriate measures to mitigate any impacts on the Business Plan.

I.II. OHL'S RISKS

OHL's activity is exposed to various types of risks that could give rise to it not achieving the objectives set. The priorities for 2019 are:

- **Risk relating to liquidity and access to financial markets.** This risk is understood as the ability to meet the payment commitments or the difficulty of securing guarantees or necessary financing at the appropriate time and at a reasonable cost.

Note 4.2 Risk Policy to the Group's consolidated financial statements describes the measures that OHL has taken to mitigate this risk.

- **Occupational risk.** This risk is understood as the ability to meet project needs with the human resources necessary, accurately and at the appropriate time.

OHL has made significant changes in its business structure, in accordance with the Company's situation.

OHL's policy in personnel management and talent recruitment/retention is a priority in order to continue to guarantee the best possible qualification of its professionals. In this connection, specific programmes are being implemented (Young Talent) and the Performance Management System is being used to develop individuals.

- **Reputational risk.** This risk is defined as the potential negative impact on the Group's public image and its perception in the marketplace. This risk refers especially to the organisation's loss of financial solvency and technical, operational, ethical, social and environmental credibility as regards its stakeholders.

OHL has rules, processes and tools for assessing third parties that allow it to evaluate them from the standpoints of their external and internal behaviour, social and environmental responsibility, and their financial and technical performance, as well as the identification of whether or not they are on sanctions lists, thereby giving visibility to the third party before sealing contractual commitments with them.

In addition, OHL has a Code of Ethics that must be complied with by everyone in the organisation, with the corresponding Whistleblowing Channel. The Company has a firm commitment to zero tolerance of corruption. As a result of the foregoing, OHL and several Group companies recently obtained ISO 37001 (Anti-Bribery Management Systems) and Spanish UNE 19601 (Spanish UNE 19601 Standard on Criminal Compliance Systems) certification.

- **Project management risk.** This risk is defined as the client's potential failure to comply with contractual obligations, e.g. the potential delay or lack of recognition of the work performed or the restoration of economic feasibility.

To mitigate this risk, it is OHL's priority policy for management to permanently monitor the projects, from the technical and economic standpoints, throughout the production process, analysing their status and adopting the necessary measures to correct any variance.

- **Contracting risk.** This risk is defined as the risk associated with not identifying market opportunities in time or, after identifying an opportunity, the risk associated with inadequately defining the bid due to a lack of resources or a lack of qualifications.

OHL has strengthened the bidding process in order to ensure that its bids are aligned, in order to ensure profitability and generate cash. To this end, the following requirements were identified:

- ✓ Strengthening contracting processes.
- ✓ Integration of risk management in decisions on bids.
- ✓ Definition of levels of authorisation for project sizes and their risks.
- ✓ Creation of a Contracting Committee responsible for analysing and approving/rejecting bids of a significant amount or carrying significant risk that OHL may submit in any geographical area, with the technical, economic, due diligence and contractual documentation. This Committee is composed of top Company executives.

- **Risk stemming from the management of litigation and arbitration.** This is defined as the risk that the outcome of litigation or arbitration due to discrepancies with customers are decided against the Group's interests.

Other relevant risks that might affect the achievement of OHL's objectives relate to the global and inherent threats to the markets in which it operates. They include most notably:

- **Political and regulatory risks.** A large portion of the value creation activities that the Group performs depends on the public sector, either as a customer of public works or infrastructure maintenance services or as grantors of infrastructure concessions. Accordingly, political instability and the changes to the legal and regulatory environment in the countries in which OHL operates can have significant impacts on the ability of the Company to achieve its business objectives.

OHL focuses its business on North America, Latin America and Europe, geographical areas that are considered stable and in which the Company has permanent establishments and teams that allow the adoption of mitigating measures in the event that the aforementioned risks occur. Also, the Company's permanent presence in these markets enables the risk of barriers to entry to be classified as overcome.

- **Foreign currency and local currency devaluation risk.** This risk is defined as the unfavourable evolution of the exchange rate price of two currencies, over a specific period with effects on the statement of profit or loss. It also considers the risk of the loss of the local currency's purchasing power.

Note 4.2 Risk Policy to the Group's consolidated financial statements describes the measures that OHL has taken to mitigate this risk.

- **Risk of climate change and natural disasters.** Both for the countries in which the bulk of its activity is carried out and due to the very nature of its activities, the OHL Group is subject to the risk of interruption of its business activities as a result of natural disasters such as earthquakes, hurricanes, floods and extreme weather events.

To this end, the Company has an environmental management strategy committed to the responsible use of natural resources, the circular economy, the protection and conservation of biodiversity and the fight against climate change. In addition to this responsible behaviour and in order to protect itself from natural disasters, OHL has the necessary insurance coverage, contractual management communications with customers and local presence in the various different countries in which the it operates.

- **Cybersecurity risk.** The Group, as other companies, faces the risk of being adversely affected by cyber-attacks which could cause damage to its assets and systems, interrupt operations or trigger leaks of sensitive information.

OHL has professionals responsible for maintaining cybersecurity and procedures for restoring information and the most critical systems. As far as information is concerned, the Company has a personal data privacy policy and complies with data protection standards. Awareness-raising and training activities are carried out, and there are procedures for managing security risks, managing vulnerabilities in computer systems and responding to security incidents.

- **Occupational risks.** Inadequate management and prevention of risks that may lead to occupational accidents.

OHL, within the framework of its policies, highlights as a priority the prevention of occupational risks, approving a new version of the Integrated Management System (IMS) that complies with ISO standard ISO 45001 on Occupational Health and Safety Management Systems.

- **Risks relating to breaches of the human rights** of workers, suppliers or members of the community stemming from construction work and projects carried out by OHL.

The Company has internal regulations such as the Human Rights Policy and the Code of Ethics. The Code of Ethics can be used to report any breach of human rights by various stakeholders such as employees, suppliers or the local community.

The Company carries out periodic evaluations of compliance with human rights, both at permanent centres and at construction sites and projects; and Internal Audit Management includes the review of compliance in its audit plans. Also, training is given to Company employees in this connection.

As regards suppliers, the supplier accreditation process is currently being reviewed in order to include new requirements such as familiarity and compliance with the ten Principles of the United Nations Global Compact.

The risks discussed are the most typical that OHL might face and are common to the various activities it carries on.

The Audit and Compliance Committee promotes the improvement of risk management, a priority for OHL. In this context, in 2019 progress was made in the following lines of action:

- ✓ Update of the Risk Map.
- ✓ Ongoing update of the Country Risk Model.
- ✓ OHL's risk tolerance red line system in relation to commercial and contractual issues.
- ✓ Preventive analysis of OHL risk management with third parties.
- ✓ Review of rules and policies

In 2020 OHL will continue to analyse the risks and opportunities it faces, anticipating the actions necessary to mitigate their impact.

II. PROFIT/LOSS BY DIVISION

II.I CONSTRUCTION

The Construction business obtained revenue of EUR 2,452.3 million, focused, essentially, on three geographical areas: North America, Latin America and Europe, where the Company has a significant, consolidated presence.

The short-term backlog amounted to EUR 4,385.7 million, which represents approximately 21.5 months of sales. New contracts in 2019 amounted to EUR 2,117.5 million, 45.2% of which relates to Europe, 33.1% to the US and 20.6% to Latin America.

GEOGRAPHICAL AREAS

NORTH AMERICA

North America is one of OHL's main markets, where sales represent close to 40.9% of the total for Construction and more than 33.9% of the total for OHL.

In 2019, the Company continued its activity in California, New York, New Jersey, Connecticut, Massachusetts, Illinois, Texas, Florida, Virginia and the District of Columbia and participated in the performance of projects of various types, such as toll roads, bridges, stations, public transport facilities, tunnels, hydraulic engineering work and hospital and singular building initiatives.

In New York, through its subsidiary Judlau Contracting, OHL was awarded the project for the rehabilitation of the viaducts giving access to Throgs Neck Bridge, for EUR 144.0 million. This is the second contract relating to this infrastructure, since the company is also working on the replacement of roadway deck in suspended spans, for EUR 212,6 million.

In the same city, the company has been awarded a EUR 38.1 million contract for overcoat painting and structural steel repairs from 48th Street to 72nd Street on the Flushing Line in the Borough of Queens; and continues to work on the rehabilitation of the Canarsie Tunnel in a project with a budget of EUR 445.9 million.

In addition, this OHL subsidiary completed the Enhanced Stations Initiative project, consisting of the design, rehabilitation and construction of five metro stations in Manhattan, for EUR 100.0 million. The scope of the work included the installation of architectural finishes, modifications to structures and electrical, communications, technological and mechanical projects.

It must be stated that Judlau also extended its experience to other local markets, such as Massachusetts, in which State it was awarded its second project (the first with the Massachusetts Bay Transportation Authority) to improve four stations on the Orange Line of the Boston subway -specifically Downtown Crossing, State, Haymarket and North Station– and will give rise to the optimisation of accessibility and signage. The project is valued at EUR 26.3 million.

The State of Illinois Tollway Authority awarded Judlau two new projects in 2019, both of which form part of a EUR 3,570 million plan to increase capacity, reduce congestion and improve reliability in journeys. The first project, valued at EUR 10.1 million, is for the I-294, the Tollway road with the most traffic. The project focuses on advanced earth-moving and the relocation of the foundations of 35 of the Commonwealth Edison Company's electricity pylons in order to extend the I-294. The second project, for EUR 39.0 million, consists of extending the I-57 where it links with the I-294. The work includes the construction of new accesses, which will improve traffic flow.

Through the Texas Department of Transportation, OHL USA's main customer in the region, the OHL subsidiary was awarded the construction of an interchange on US 287 over Walnut Grove road in Midlothian, Texas, for EUR 24.7 million. The primary objective of the project is to streamline and improve traffic flow, while reducing accidents.

In California, OHL USA has been awarded a EUR 67.6 million project on Highway 101 in Monterey County, California, for Caltrans, the same customer for which the company is executing the design and construction of I-405, OHL's largest contract in the US.

This initiative is in addition to the project awarded by awarded by Santa Clarita Valley Sanitation District of Los Angeles County, and which entails the construction of the Valencia Water Reclamation Plant Advanced Water Treatment Facility, for EUR 76.0 million. The project consists of the construction of an advanced water treatment facility that will include microfiltration and nanofiltration equipment and an enhanced membrane system. OHL USA's work also involves the construction of a metal building, an electrical substation, a truck loading station and pump stations, among other facilities.

Noteworthy in Florida is the construction, in Orlando, of a new academic building several storeys high. In Miami, the company is working on improving infrastructure at the North Campus of Miami Dade College; and in Port St. Lucie, the company is currently constructing the Ardie R. Copas State Veterans' Nursing Home for a total of EUR 43.2 million. In addition, OHL Building is close to completing a salmon farm for EUR 70.4 million, a facility that will go down in history as the first in the US to sustainably farm salmon.

Several road construction projects were completed in 2019, such as the express lanes of the I-75 (AB stretch); a project with a design and construction investment of EUR 172.8 million.

NOTABLE ACCOLADES IN THE US

The New York edition of the prestigious publication Engineering News-Record (ENR) designated OHL's subsidiary Judlau Contracting as 2019 Contractor of the Year. The company received this accolade as a result of its achievements in various projects, such as rehabilitations of the Canarsie Tunnel, Throgs Neck Bridge, Riverside Drive Viaduct, Queens Midtown Tunnel and the Enhanced Station Initiative.

In its Best Projects 2019 awards, ENR New York gave Judlau the Award of Merit in the Airport/Transit category for the rehabilitation of the World Trade Centre Cortland Street Station on Line #1.

Furthermore, the Design-Build Interstate 75 Express Lanes project executed in Florida by OHL USA and Community Asphalt Corp., won the Merit Award, Highway and Bridge category, in the 2019 Project of the Year Awards organised by ENR Southeast.

In addition, OHL USA, OHL's North American subsidiary, was placed among the top 20 North American companies in the rankings of Top Domestic Heavy Contractors and Top Contractors by Sector in the Transportation category by ENR. These rankings are included in the ENR 2019 Top 400 Contractors list, in which OHL USA ranks 77th.

LATIN AMERICA

OHL continued its activity in Latin America, focusing on Chile, Peru, Colombia and Mexico. Total activity in these countries accounts for 14.4% of total Construction revenue.

Worthy of mention in Chile is for the construction of the third lanes of Route 78, consisting of the extension of 35 km of road in the stretch between Santiago and Talagante. The initiative, awarded by Vías Chile, has a budget of EUR 72.8 million.

In railways, the extension of Metro Line 3 in Santiago de Chile for an amount in excess of EUR 32 million at the request of Empresa de Transporte de Pasajeros Metro S.A. stands out. This initiative is in addition to others already carried out by the Company on the Santiago metro.

In building construction, work continues the new Curicó Hospital and the Gustavo Fricke Hospital.

In Colombia, the Company was awarded contracts of various types, such as the construction, as part of a joint venture, of the Quindío section to complete the Crossing of the Central Andes. The contract, valued at EUR 41 million, is part of one of the most important road infrastructures in Colombia and includes the construction, in the Quindío Department, of five tunnels, six bridges, 6.5 km of secondary road and the work on four critical points.

OHL was also awarded the project for the construction of Avenida El Rincón from Avenida Boyacá to Carrera 91, in Medellín, which will be carried out as a joint venture. The work includes the construction of 2.8 km of roads, 54,000 m^2 of public spaces and 2.1 km of cycle lanes, as well as a multi-level road intersection between Calle 127 and Avenida Boyacá. The project has a budget of close to EUR 42 million and will benefit more than one million inhabitants, reducing journey length by up to one hour and a quarter.

For Ecopetrol, OHL is building the expansion of the Cúcuta aqueduct for close to EUR 35 million, which will improve the access to drinking water of close to one million inhabitants of Cúcuta, Los Patios and Villa del Rosario in the Norte de Santander department; and in northern Colombia OHL is constructing the infrastructure for Subproject 1, which will collect water from the Zulia river through a 17.6 km long drive line.

In Peru, the Villa El Salvador Sports Centre built by OHL for the Pan-American Games held in Lima from 26 July to 11 August 2019. The contract, with a budget of EUR 20 million, was awarded by the Pan-American Games Organising Committee to the unincorporated temporary joint venture (UTE) led by OHL.

Also, OHL strengthened its backlog in Peru with a new contract for the work to extend Jorge Chávez International Airport. The budget for the project is close to EUR 50 million. The work corresponds to the first part of the second stage of the extension of Lima Airport.

In Mexico, reference must be made to the Mexico-Toluca interurban train, the most important section of which is the Toluca-Mexico City railway. OHL is constructing the first section of more than 36 km from Toluca to Mexico City. In addition to this project, OHL was awarded the contracts for the new line 3 of the Guadalajara subway: Zapopán, Guadalajara-Tlaquepaque, with a length of almost 21 km.

EUROPE

The business in Europe accounts for more than 36.5% of sales in the Construction area.

In the Czech Republic, OHL was awarded the project to electrify and increase the capacity of the railway line between Uničov and Olomouc for EUR 149.6 million. OHL ZS has a 33% ownership interest in the UTE performing the work for the customer, the Czech Republic's Railway Infrastructure Administration. In addition to this initiative, 2019 saw the completion of the Brno II sewage project awarded the Brno municipal council for EUR 42.2 million. OHL ZS has a 50% ownership interest in the UTE.

In Spain, the Company is constructing several road infrastructure projects in Catalonia and the Basque Country. In the field of singular building construction, OHL continues to work on the construction of Caleido for EUR 78.9 million. The building will be located in Madrid's Cuatro Torres Financial District and will house, inter alia, the Instituto de Empresa (IE) and the Quirón Salud Group. It was designed by the Fenwick & Iribarren studio jointly with Serrano Suñer and will meet all the sustainability and energy efficiency standards in order to obtain the prestigious Leed Gold certification.

The Company has been awarded other building projects in Barcelona for an amount in excess of EUR 70 million. The highlights are the building of the facilities as part of the project to expand and reform the hospital in Viladecans, the construction of several buildings for administrative and hotel use, which is being built using the Building Information Modelling(BIM) methodology and other sustainability criteria in order to obtain LEED Gold certification.

In maritime infrastructure, OHL, through its specialised subsidiary SATO, was awarded the second phase of the extension of the Reina Sofía Sur wharf for the Las Palmas Port Authority, the project to improve the LNG loading wharf for the Cartagena Port Authority and the construction of the Naos southern outer sea wall at the Port of Arrecife, in Lanzarote, with a total budget of more than EUR 30 million. The last project envisages the construction of the seawalls for the expansion of the cruise wharf with the construction of a 322 m long quay to which Cubipods will be applied. This technological innovation is used in the construction of the main mantle of revetment breakwaters and has significant advantages over traditional blocks in terms of ease of placement, material savings and behaviour during its useful life.

OHL also continued to execute projects awarded in previous years. Highlights include the National Forensic Mental Health Hospital (Ireland), the EPC Ski project (Norway) and the improvement of the railway line between Lund and Arlöv stations in Malmö (Sweden).

OHL AND SIEMENS MOBILITY COMMISSION THE MARMARAY PROJECT IN TURKEY

In March 2019, the Ministry of Transport and Infrastructure of the Republic of Turkey inaugurated the main phase of the Marmaray project. The project has been carried out by a joint venture of OHL (70%) and Siemens (30%) and represents an important construction milestone at global level, since it completes the uninterrupted railway connection between Asia and Europe.

The 76 km long line connects 43 km on the Asian side of Istanbul and 19 km on the European side to the 14 km tunnel under the Bosphorus Strait. It provides a mix of a commuter service for the metropolitan area of Istanbul and the interurban area, as this stretch completes the Ankara-Istanbul high-speed corridor. Goods trains can also use Marmaray.

The project has had a considerable impact on mobility in the city of Istanbul, as can be seen by the fact that since the line opened, passenger services have gradually increased to the current 400,000 passengers/day.

New silk road

On 6 November 2019, an important milestone was reached in the project, as the first international goods train crossed the Bosphorus Strait in Istanbul through the Marmaray tunnel. This train, which was 850 metres long and was travelling from Xian in China to its final destination of Prague in the Czech Republic, was the first train to complete the new silk road.

OHL, as main contractor, has undertaken the design, the complete replacement of the two existing roads and their replacement in three new 62 km roads of the 76 km of the project, the renovation and construction of 38 stations, the construction of 130 structures, two operation and control centres, garages and workshops, renovation of all electromechanical systems (power supply, catenary, signalling, telecommunications and ticketing systems) along the 76 km of the project. OHL was also responsible for integrating all the railway systems, defining the operating plans and certifying the safety of the line.

OUTLOOK

In 2020 Construction activity will continue to focus on OHL's three reference areas: the US, Latin America and Europe.

The Company has established as its fundamental priority the generation of cash and the obtainment of profits from its projects. Accordingly, it will commit to the sustainable management of the backlog and continue to strengthen the control of risks in bids, with the focus on assessing geographical and economic risks as well as technical and legal ones and the availability of resources. The objective is to continue to work on the implementation of a culture of contract management rather than project management.

SUCCESS STORIES

REHABILITATION OF THE CANARSIE TUNNEL

Location: Manhattan and Brooklyn, New York, US

The Metropolitan Transportation Authority (MTA) awarded a contract to the OHL subsidiary Judlau Contracting to work on the rehabilitation of the Canarsie Tunnel. The project consisted of the improvement and extension of two subway stations, the construction of a new substation and the improvement of a tunnel to enable it to withstand potential flooding. The tunnel was damaged by Superstorm Sandy, and its rehabilitation was one of the most critical tasks underway in New York City.

The contract originally planned for a complete tunnel shutdown to enable 24/7 construction. However, in January 2019 it was decided to keep the train service running at full capacity during business hours and at reduced capacity overnight and weekends due to the significant impact this infrastructure has as it is used by an average of 400,000 weekday customers traveling under the East River from Brooklyn to Manhattan. With this new scope, work was only carried out at night and over the weekend during a period of 52 hours from Friday night to Monday morning, with trains still running.

The work included the installation of fire-resistant cables on a stainless-steel cable management system mounted to the tunnel wall to make maintenance and inspection easier. This combination and the replacement of tracks enabled the concrete demolition work within the tunnel to be reduced, which not only reduced the creation of silica dust, but also made it possible to guarantee that the tunnel could be put back into service each morning, thereby reducing inconvenience to users.

Improvement work is also being performed on the tunnel entries and exits and the installation of new lifts to make the station accessible for people with disabilities, as required by the Americans with Disabilities Act (ADA).

This project is an example of the new way of working for urban construction projects that reduces the impact and inconvenience to users. When the work is completed, the tunnel, as well as being able to withstand potential flooding, will have increased capacity, which will boost train traffic and, in short, passenger flow, thus improving their quality of life as regards the use of public transport.

NATIONAL FORENSIC MENTAL HEALTH HOSPITAL

Location: Portrane, Dublin, Ireland

The National Forensic Mental Health Service (NFMHS) in Portrane is a hospital complex located 22 km from Dublin. The project, which was awarded by the Health Service Executive, commenced in April 2017. The initiative envisages the construction of a mental health hospital in the campus of St. Ita's Hospital, with a surface area of 24,000 m^2, excluding maintenance, energy and gardening buildings.

The new complex will have 170 beds and will be used to provide care to various levels of mental health patients and people with disabilities, both adults and children. There will be ten hospital buildings, a primary healthcare and therapy centre, and an administrative complex. The hospital complex will be surrounded by a 2 km long, 5.2 m high safety perimeter fence.

The design and construction are being performed with a view to obtaining Building Research Establishment Environmental Assessment Methodology (BREEAM) accreditation. To this end, around 57,000 m^3 of subsoil material were recycled to stabilise the land, and 45,000 m^3 of this material were recycled to create new areas of trees and natural habitat. 14,000 m^3 of topsoil were used for new urbanised areas. All the waste generated was recycled through an authorised manager.

Other environmental activities performed as part of the project encourage the biodiversity of the area by developing initiatives encouraging bird species protected within Specially Protected Areas (SPAs), minimising the impact on bats, and protecting the species covered by Appendix IV of the EU Directive such as badgers, amphibians; and other protected bird species and non-avian fauna, pursuant to Irish legislation on biodiversity.

As regards energy efficiency, individual electricity meters and heat meters by building are being used, and an automatic light control system with presence sensors and external light sensors has been installed in all the buildings. All critical services (security, building control, fire alarm and lighting control) were integrated and an anti-vandal water management system was implemented that is efficient and controls thermal water using a specific register.

At social and community level, the project is a logistical challenge, as its development influences the traffic in the town of Donabate. To reduce the project’s impact on the town, the passage of construction vehicles in areas close to schools and at peak times was restricted, a commitment that was monitored by traffic cameras with registration number recognition.

Also as part of the framework of commitment to the community, which OHL traditionally acquires as part of its projects, work was performed to improve the football grounds, parking in residential areas, as well as improvements to wetlands and other work in public walkways. The respective rights of way were obtained through local community participation forums. This commitment also extended to safety talks at schools and support for local festivals.

More than 5,000 workers were given initial training in health and safety.

JELENÍ DRY RESERVOIR. MEASURES IN THE UPPER REACHES OF THE OPAVA RIVER

Location: Karlovice, North Moravia, Czech Republic

The construction of the Jelení dry reservoir, on the outskirts of Karlovice (North Moravia) envisages, among its main objectives, the reduction of flood flows, the reduction of sediment removal and the protection of the urbanised area of the municipality against the adverse effects of flooding caused by local torrential rain.

The reservoir's holding area is designed in such a way as to guarantee the transformation of one hundred years' theoretical flooding into a moderate flow of 4.41 m^3/s. The Kobylí stream and its right tributary will be recreated in the flood area and in the area protected by the dam. The water will be drained from the dam through an open channel connected to the existing flow.

The reservoir dam is in trapezoidal section form, with a maximum height of 16 m. The crest of the dam is 4.0 m wide and 273.0 m long. It is a non-standard dam, with an impermeable injected grout curtain. The earth for the construction of the dam was taken from the future flood area and from loans of land located outside the flood area.

The project includes the construction of a 1.06 km-long new road; and mention must be made of the fact that, once the Slezská Harta dam has been completed, Jelení dry reservoir will have the largest dam embankment in the Czech Republic. Also, its job of protecting the area where it is located against flooding will extend beyond being used to retain water in the countryside to contributing to an increase in the diversity of the species in the area through the development of new habitats.

CURICÓ PROVINCIAL HOSPITAL

Location: Curicó, Chile

The new Curicó Hospital has a surface area of 109,152 m^2 distributed over nine floors, two of which are below ground level, with a heliport, car parks and 400 beds. Significant new techniques were used in the construction, such as the system for consulting information in the field through QR codes and without internet with the support of tablets; and the registration of each area of work using a Maps Street View type software or the offline incident system for land. These applications, in addition to facilitating the implementation of a collaborative work methodology, encourage a reduction in the use of paper by avoiding the printing of technical documentation and plans.

As regards the creation of employment, an agreement was entered into with the social welfare department of Curicó municipal council for local people to be employed in the project, resulting in 45% of the employees on the project being local; while 46% of the suppliers are local companies.

The waste generated by the work is managed using containers and differentiated zones so that it can subsequently be recycled. This is the case with paper, cardboard and plastic, among other materials. Waste that, because of its nature and characteristics, cannot be recycled but can be recovered, is also segregated. These include wood and pallet waste, pieces of mineral wool, tins, ceramic materials, etc. This type of waste is delivered to employees or local entities.

From a more social standpoint, this project contains an active commitment to the community in the form of the renovation and painting of the façades of nine houses belonging to the Aldeas Infantiles NGO; and OHL participated in several training programmes by giving talks on the implementation of Building Information Modelling (BIM) in hospital construction work, especially the cooperation with the Chilean Ministry of Public Works on a three-hour training action that was streamed to all the regions in the country.

ROLLING STOCK FOR LINE 3 OF THE GUADALAJARA LIGHT RAIL SYSTEM

Location: Jalisco, Mexico

OHL installed the track and catenary system of Line 3 of the Light Rail System, which connects the urban areas of Zapopan, Guadalajara and Tlaquepaque. It is a sustainable initiative, containing environmental measures such as no pollution emissions, the reduction of noise levels, lower energy consumption, the reforestation of adjoining areas and urban and countryside regeneration.

The initiative also encouraged a culture of reuse of waste, such the wooden packaging that was reused to make tables, chairs and shelving.

At the offices, initiatives were launched aimed at the efficient use of energy and responsible use of water. In addition, waste was classified and paper recycled, and colour printing was reduced as a result of the awareness efforts made and environmental training given to 2,212 participants in 407 initiatives.

As regards local hiring, close to 4,000 unqualified manual workers were employed, with contracts that varied in length depending on the type of work performed, thus boosting the creation of local employment for the most vulnerable profiles.

Actions boosting the local community were also undertaken during the performance of the work. The highlights were four reforestation projects known as the Bosque de la Primavera, the largest ecological reserve west of the Guadalajara metropolitan area. Green areas and gardens were also created in municipalities close to the work site. In addition, food, clothing, IT equipment and furniture were donated to socially vulnerable groups.

CÚCUTA AQUEDUCT

Location: Cúcuta, Colombia

OHL built an extension of the Cúcuta Aqueduct for Ecopetrol. The purpose of the project was to improve access to drinking water for close to one million inhabitants of Cúcuta, Los Patios and Villa del Rosario in the Norte de Santander department in the northeast of the country. OHL is constructing the infrastructure of Subproject 1 that will take water from the Zulia river through a 17.6 km-long drive line.

Especially noteworthy in this infrastructure project is the commitment to the community in the area where the work is taking place. Informative meetings took place at the beginning of the project and are being held periodically during the performance thereof, with the towns of the area of influence with the presence of various stakeholders such as the local authorities, associations, trade groups, environmental organisations and municipal representatives. In total, more than 1,000 people have been informed. There are also citizens' service offices offering information on the project and handling suggestions and claims.

As regards job creation, the hiring of local labour is being encouraged, with close to 80% of the employees working for OHL being from the areas of influence, and, in the case of subcontractors, 80% of labour is local.

Also, improvement activities, such as adjustments of tracks and rehabilitation of areas affected by the activity were carried out in adjacent areas; and active work was performed to boost road safety by means of workshops held at schools and from which close to 70 schoolchildren benefited. Environmental and heritage protection education programmes were launched at the Vereda Tabiro school with 24 participants and at the Carmen de Toncholá community, with 48 participants.

Lastly, mention must be made of the other cooperation such as donations of material and gifts to schoolchildren in the Pórtico, Tabiro, Hibiscos, Puente Zulla, Guadas, Carmen de Tochalá, Los Mangos and Torcoroma communities. More than 700 schoolchildren benefited from the initiative.

II.II. INDUSTRIAL

Revenue from the Industrial Division's activity reached EUR 218.2 million in 2019, which represents an increase of 14.9% with respect to 2018; and new contracts reached EUR 276 million, which also represents a 100% improvement with respect to the previous year.
EBITDA was positive (EUR 9.8 million) in comparison with the EUR -63.0 million generated in 2018.

Operations were focused on the Renewable Energy, Mining and Cement, Fire Safety and Operation and Maintenance business lines. Geographically, they were concentrated in countries defined as the core markets for the Company, including Mexico, Chile, Colombia and Spain.

PROJECTS PERFORMED

The following projects performed in 2019 were of particular note:

- Perote II 100 MW nominal capacity solar PV plant in Mexico.
- Aguascalientes 30 MW nominal capacity solar PV plant in Mexico.
- Zafra 46 MW nominal capacity solar PV plant in Spain.
- Cement works with 3,150 tonnes/day of production, in Colombia.
- Empalme I 770 MW nominal power combined cycle plant in Mexico.

Recurring activities in Operation and Maintenance, Fire Safety and the manufacture of Mining and Cement equipment remained stable.

Several milestones associated with two of the largest projects were also achieved:

- Signing by the Federal Electricity Commission (CFE) of the Provisional Acceptance Certificate for the Empalme I Combined Cycle Power Plant in the state of Sonora, Mexico.
- Signing of the Operational Transfer of the cement production plant in Sonsón, State of Antioquia, in Colombia, to Ecocementos (Cementos Molins - Corona Group).

NEW PROJECTS

- The volume of contracts signed for new projects both in renewable energies and in mining and cement was significant in 2019, especially in the second half of the year. Highlights include the conversion and expansion of a copper sulphide processing plant in Chile for EUR 145.8 million; the 80 MW La Huella solar PV plant in Chile for EUR 68.2 million; and the 50 MW La Estrella wind farm, also in Chile, for EUR 9.3 million.

VOLUME OF NEW CONTRACTS BY ACTIVITY AND GEOGRAPHICAL AREA IN 2019

BUSINESS LINE	Millions of euros
Renewable energies	78.9
Mining and cement	161.3
Fire safety	15.9
Operation and maintenance	19.9
Total	276.0

GEOGRAPHICAL AREAS	Millions of euros
Northern Latin America	10.2
Southern Latin America	236.8
Europe	26.36
Rest of the world (RoW)	2.7
Total	276.0

SUCCESS STORIES

PEROTE SOLAR PV PLANT

Location: Perote, Veracruz, Mexico

The Perote II solar PV plant is located in plot 3 of the San Antonio Limón communal land zone, carretera federal 140 s/n, El Limón Totalco, with an area of 300 ha.

The nominal capacity of the facility is 100 MWn with a peak generating capacity of 118,902 MWp. It has a solar field of 312,939 PV panels with 380 Wp of capacity grouped in trackers of 87 PV modules and connected to 22 skids of 5 MWn (AC side) or equivalent. The energy generated at the plant will be exported to an internal 34.5 kV grid. For this purpose, the plant will have 5,000 kVA medium-voltage transformers with a transformation ratio of 0.63 or 0.65/34.5 kV or similar.

Its construction represents a considerable saving in emissions in comparison with the use of other energies. Specifically, 168,000 tonnes of CO_2eq will be avoided per year.

Local employment was encouraged during the construction of the facility, both in the construction and start-up phase, as well as in the operation and maintenance phase. The Company also actively worked alongside the local population in the project's area of influence, with actions such as the donation of wood to the communities of El Frijol Colorado, San Antonio Limón, Totalco and Orilla de Monte. Partially damaged panels that cannot be used on the site have also been sent to the Perote Institute of Technology for use in classrooms so that students can understand their structure and operation.

Also, an agreement was entered into with this educational entity and with the Technological Institute of Cosamaloapan for the professional placement of the students studying renewable energy, thereby allowing the development of their skills within the various disciplines of the project: quality, mechanical area, electrical area, civil area and industrial safety. In total, 14 students took part. It is hoped that, for the operation and maintenance phase, these young professionals can be incorporated into the operations team.

ZAFRA SOLAR PV PLANT

Location: Alcalá de Guadaira, Seville, Spain

The Zafra solar PV plant construction project involved civil engineering work, mechanical assembly, electrical assembly and electrical substation work next to the high-voltage overhead line for power export and start-up. The solar park is made up of 135,090 modules of 370 W, with a total of 49.9 MW of peak capacity.

The construction of the solar PV plant represents a significant saving in emissions in comparison with the use of other energies, since with each KWh generated by solar PV energy, the emission of CO_2 into the atmosphere is avoided.

It is expected that the emission of about 430 tonnes per year will be avoided, according to the data obtained from the SCADA records, which is software that makes it possible to control and monitor industrial processes remotely.

It should be noted that, during the construction of the solar PV facility, local employment was favoured, both in the construction and start-up phase and in the operation and maintenance phase.

In environmental terms, the project respected environmental impact measures, aimed at protecting tree species, and promoted reforestation with native plants for the restitution of the site. As regards waste management, waste was separated using authorised agents, and 178,400 kg of wood, 61,490 kg of paper and cardboard and 13,160 kg of plastic were recycled.

II.III. DEVELOPMENT OF INFRASTRUCTURES

OHL LAUNCHES SENDA INFRAESTRUCTURAS

With nearly two decades of experience and after developing and managing more than 40 concession assets in Europe and the Americas, in 2019 OHL strengthened the infrastructure development area by launching its new subsidiary, Senda Infraestructuras, focused on the development of greenfield projects (newly created).

The strategy of Senda Infraestructuras is to provide its experience as a concession operator, while the majority of the capital in the projects will be provided mainly by concession partners, such as investment funds specialising in infrastructure. At the same time, the Company will continue with the strategy based on alliances with local construction partners of renowned experience, in the countries in which it is interested in undertaking public-private partnership (PPP) projects.

Of particular note in 2019 was the first award to Senda Infraestructuras in the field of residential building construction. In Ireland, the Torc Housing Partnership consortium, of which it forms part together with its strategic partners Equitix, Kajima and Tuath, will design, finance, construct and operate, on a PPP basis, 465 new sustainable social housing units for an investment of more than EUR 130 million. This project, under the availability payment model (fixed payments by the grantor), is the Government's second social housing investment package in the region and covers the counties of Cork, Kildare, Clare, Galway, Waterford and Roscommon.

The agreement covers the construction and maintenance of 110 apartments and 355 houses and incorporates the provision of management and maintenance services after construction for a period of 25 years.

The award is the second phase of an innovative programme involving a total of 1,500 sustainable social housing units launched as a result of the growth potential of the property sector in Ireland, where there is a significant demand for housing.

OHL will perform the construction work in consortium with the benchmark Irish building constructor JJ Rhatigan. They will incorporate the BIM (Building Information Modelling) methodology and the units will be built according to the Nearly Zero Energy Buildings (nZEB) criteria, meeting the requirements of the Energy Performance of Buildings Directive (2010/31/EC).

In addition to this PPP award, OHL also manages, through Senda Infraestructuras, the Port of Roda de Bará (Tarragona), the Urola Marina (Zumaia), Burgos Hospital, CHUM Hospital (Canada), Toledo Hospital, the Navarre Canal, the police stations of Horta and Sant Andreu (Barcelona) and the Justice Centre in Santiago de Chile.

The Company will continue to analyse, throughout 2020, other investment opportunities through PPP projects both in Latin America and in the US, in the latter on the east and west coasts, where OHL has its highest concentration of construction activity.

II.IV. DEVELOPMENT

OHL, through its Development business area, continued to advance in its strategy of generating value by participating in the management of mixed use projects from the initial phase, divesting those more mature assets once the market has appreciated the value generated through their management.

DIVESTMENTS

The Company concluded the divestment process that it began in Mexico in 2017, a year in which the process began to sell majority holdings in the four Mayakoba hotels - Fairmont, Rosewood, Banyan Tree and Andaz - and the El Camaleón golf course.

In 2019 the sale of the assets owned by Development in Ciudad Mayakoba to an investment fund was completed, and there are currently no real estate assets owned by Development in Mexico.

PROJECTS UNDER DEVELOPMENT

CENTRO CANALEJAS, MADRID

Progress continued to be made in 2019 in the ongoing investment in Centro Canalejas Madrid (Spain). In 2019 the construction phase of the building was completed and the initial occupation permit was applied for, which was in process at the end of the year. Also, very significant progress was made in the marketing of the 22 residences included in the project, and contracts were signed with some of the most representative brands in the luxury segment to position them in the Galería Canalejas commercial space.

Development has a 50% interest in the project, with Mohari Limited having the remaining stake in Centro Canalejas Madrid.

OLD WAR OFFICE

In 2019 work continued on the project, which is located in London (UK) and will consist of a luxury hotel and residences. Both the hotel and the residences will be branded and operated by Raffles, a brand positioned as maximum luxury within the range of one of the largest hotel operators in the market, Accor. It should be noted that, to date, Raffles has not had a presence in London (United Kingdom).

In 2019 the construction began and the marketing plan for the residences was defined; marketing will begin in the first half of 2020.

There is some uncertainty about the impact on the London residential market of the UK's exit from the European Union, although the impact will in any case be more limited for the high-end residential product.

OUTLOOK

The Company is analysing various projects, both in resorts and cities, consistent with the positioning in which it has specialised, in order to assess its possible involvement in them.

SUCCESS STORIES

CENTRO CANALEJAS, MADRID

Location: Madrid, Spain

Centro Canalejas Madrid (CCM), since its design phase and throughout the various stages of the construction process, has implemented sustainability and energy efficiency measures with the aim of achieving the prestigious LEED® Gold certification, an international environmental distinction developed by the US Green Building Council (USGBC).

Of particular note among all these measures are the installation of a green roof, to reduce the heat island effect generated by the buildings, and the management of rainwater runoff through this green roof. Landscaped areas were also created in patios and a green wall was installed on the inner façade, with species with medium and low water requirements, and for whose irrigation rainwater recovered from the paved roof areas is used.

As regards the use of drinking water, consumption has been reduced by more than 20% in comparison with a conventional building. With regard to energy management, high-performance air-conditioning equipment, LED lighting and underfloor heating were installed for the residential area, which are powered by a geothermal energy production facility.

In terms of recycling and reuse, more than 20% of the materials used are of recycled and regional origin. Similarly, more than 75% of the construction waste generated during the work has been treated, recovered and recycled, diverting it from landfill.

From the urban planning standpoint, the surrounding area has been thoroughly regenerated with the enlargement of the pavements, the renovation of the road surface and street furniture and the reorganisation of road traffic, which has limited the number of vehicles and reduced noise and environmental pollution. Lastly, this project has contributed to the complete renovation of the Sevilla metro station, from which physical barriers have been removed, making it accessible to people with reduced mobility.

Throughout all phases of the project, continuous dialogue was held with all the stakeholders in order to ascertain and respond to their expectations, to the extent possible.

Centro Canalejas Madrid, a mixed-use complex comprising seven historic buildings and located in the centre of Madrid, has posed a major construction and architectural challenge that has directly and indirectly generated 4,800 jobs. It will house the first Four Seasons hotel in Spain, 22 Four Seasons Private Residences Madrid, a shopping centre -Galería Canalejas- and a car park with 400 spaces.

In its rehabilitation, special care has been taken to preserve its historical-artistic heritage, with almost 17,000 ornamental pieces being catalogued and restored, most of which have been returned to their places of origin. The cost of this work has amounted to over EUR 7 million.

II.V. SERVICES

In 2019 Services maintained a growth trend in the Spanish market, recovering the margins that had tightened in 2018. It also continued to advance in its internationalisation, in countries such as Mexico and Chile.

OHL SERVICES BUSINESS

In 2019 Services' sales amounted to EUR 275.6 million, representing an increase of 4.4% over 2018, growing in the areas that provide greater profitability, in accordance with the objective of this line of business.

In terms of international activity, Chile experienced progressive growth, with an increase in its billings of 166%, while Mexico initiated activity at private customers such as Uber, Dentimex, C&A and JJL, among others.

Overall, Services achieved a 1% year-on-year increase in facilities management billings. Billings in urban services (EUR 56.7 million) grew by 27.6% compared with 2018, consolidating the growth in this activity that generates a higher operating margin.

As a result of all the foregoing, Services focused on increasing EBITDA, which increased from EUR 1.3 million in 2018 to EUR 12.4 million in 2019, recovering the usual levels of profitability.

CONTRACTS AND BACKLOG

The Company achieved revenue of EUR 279.4 million in 2019, consisting of a backlog of EUR 365.1 million, equal to 17 months of sales, well above the average for comparable companies in the sector.

NEW CONTRACTS AWARDED IN 2019

OHL Services has a backlog of more than 500 contracts in force, including the following contracts in its various business lines:

In the field of cleaning, of particular note is the contract for the integral cleaning of buildings, premises and state facilities in the Community of Madrid, phase III, lot 16, at the request of the Ministry of Consumer Affairs and Social Welfare, for a period of 36 months and an award amount of EUR 8.9 million.

In the social and healthcare sector, two contracts for home help services for the municipalities of Malaga and A Coruña, each for 24 months, amounting to EUR 9.6 million and EUR 7.7 million, respectively, stand out.

In the field of maintenance, worthy of mention is the integral maintenance service of buildings of the Directorate General of Police, lots in Andalusia, the Spanish region of Levante and Central area, for a period of 24 months and a budget of EUR 4.2 million; while, in the field of urban services, the Company has won the service of conservation and maintenance of green areas in the city of Albacete, for four years for an amount of EUR 24.0 million.

OUTLOOK

In Spain, the strategy is currently focused on improving the quality of services in order to design more personalised offerings, endeavouring to progressively reduce the importance of price as a critical variable in decision making.

In this context, it is necessary to bear in mind the development of the regulatory framework for public procurement, which seeks to prioritise quality, social and environmental factors over others, such as price.

MANAGEMENT IMPROVEMENTS

Services is heavily involved in a digital transformation plan that has several components, which include most notably:

- Scenario analysis with multidisciplinary groups where valuable conclusions were obtained to address the future challenges of the Company in a planning timeframe of between five and seven years, as well as immediately applied management improvement initiatives.
- Analysis of the *Managing Transformation* initiative, an idea incubator in which three innovation groups, using Agile methodology, study specific initiatives related to the focus on the end user, the capture and mining of data and the improvement of processes.
- Together with the General Corporate Resources Department, the RFP (Request for Proposal) has been launched for the implementation of a new ERP (Enterprise Resource Planning) system in 2020, which will culminate in the necessary transformation of the Company's information systems.
- The process of implementing the operations management software, integrated with the payroll system and compatible with the various time and attendance control systems required for recording working hours, pursuant to employment legislation, has been completed. Also,

in the commercial area the Company continued to implement the CRM (Customer Relationship Management) tool aimed at planning the sales process, preparing bids, following up on commercial action, analysing results and managing risks at the bidding phase.

2020 is a decisive year for Services as it will foreseeably complete the digitalisation process carried out in recent years, providing adequate financial and management information support and allowing the integration of all the specific applications already installed.

SUCCESS STORIES

IMPLEMENTATION OF THE ECOLABEL GREEN LABEL

Location: Barcelona, Spain

OHL Services is in the process of implementing the EU Ecolabel in two pilot centres where indoor cleaning services are provided, in accordance with the criteria set out in Commission Decision (EU) 2018/680, of 2 May 2018. Ecolabel is one of the most comprehensive sustainability certificates granted by the EU. To achieve this distinction, the Company opted to use sustainable cleaning products.

The pilot centres selected to start this project are located in the province of Barcelona and it is hoped that their use will subsequently be extended to other contracts of this kind, performed in other parts of Spain.

Organic products use mostly ingredients of natural origin, are biodegradable and do not contain toxic or hazardous substances that are harmful to health. Furthermore, their use favours the conservation of natural resources, reducing both water and air pollution in this area of activity.

BIOLOGICAL PEST CONTROL

Location: Madrid, Spain

In the area of Urban Services, biological resources are used to prevent, reduce and eliminate pests such as insects, mites and plant diseases, through a pest/predator balance.

In the city of Madrid, in the districts of Ciudad Lineal, Hortaleza, San Blas-Canillejas and Barajas -which occupies an area of 112.23 ha including parks and significant green areas-, the Company has replaced the use of treatments that have a harmful effect on biodiversity with others of a biological nature that do not have negative effects.

Another benefit of this practice is the reduction and even elimination of secondary pests, and the persistence of the treatment’s effectiveness over time. In turn, this technique reduces the use of machinery, both in terms of time and units, reducing the emission of pollutants and preserving air quality in the city.

PUBLIC BICYCLE LOAN SERVICE MANAGEMENT

Location: Albacete, Spain

In its commitment to sustainable mobility, OHL Servicios-Ingesan manages the public bicycle loan service Albabici, in the city of Albacete. The initiative, carried out together with LaBici, involves the management of 320 bicycles, 80 of which are electric, distributed in 32 stations operating between 06:00 and 00:00 hours, every day of the year. Since its launch in September 2019, more than 57,100 bicycle loans have been made and users exceed 1,500.

The service is managed and provided through specific software that allows the real-time monitoring of the status of the stations and bicycles, as well as of the incidents and warnings of the users. In addition, the system incorporates the collection of usage data, which enables the gathering of statistics and the identification of the most used stations, peak hours, etc., in order to adapt and improve the service.

At the end of 2019, the service had 1,268 long-term users - with an annual subscription - and the system was regularly used by 536 further users. In terms of preferences for the type of bicycle, 65% of users make use of conventional bicycles and 35% use the electric type.

CHAPTER III.- SUSTAINABILITY

I. SUSTAINABILITY AT OHL

2019 signified an advance in terms of sustainability, reflected in the design and approach of the new Plan for 2020-2022. To achieve this, the Company completed an internal reflection process and identified the material issues, both internal and external, that will enable a roadmap to be established with regard to the sustainability strategy and the defined measures for each issue to be implemented, taking into account the challenges faced by the Company and the profile of its activities. This will strengthen OHL's position to act proactively, primarily in the face of present and future environmental and social challenges, by integrating sustainability as a key element of its corporate culture.

Furthermore, OHL remains firmly committed to the 2030 Agenda for Sustainable Development and the Sustainable Development Goals (SDGs), and adheres to major international sustainability initiatives and guidelines. The Company also works every day to respond to the needs of its stakeholders and to generate positive value as a result of its projects, in all the countries in which it is present.

In 2019 work was performed on adapting the Company's internal reporting processes to the new regulations on non-financial information. To this end, indicators were defined and processes implemented to digitise and update corporate tools that improve information management in order to continue promoting an exercise in transparency in sustainability and offer a better response to the expectations of the Company's various stakeholders.

As part of its commitment to continuous improvement, in 2019 a good practice guide was drawn up, identifying and highlighting the environmental and social actions carried out in the day-to-day operations of the projects. This document brings visibility to the measures that are proactively carried out on site, as well as favouring the transfer of knowledge among all projects.

OHL DEMONSTRATES ITS COMMITMENT TO A BUSINESS MODEL BASED ON SUSTAINABILITY CRITERIA

OHL is the first Spanish construction company to adhere to the New Deal for Europe manifesto, a call to action from CSR Europe, to implement a global strategy for a sustainable Europe by 2030. The aim of this initiative is to bring together business, civil society and the public sector to build dialogue, trust, cooperation platforms and financing models for the development of a sustainable circular and digital economy that promotes competitiveness, employability and social cohesion.

OHL joins this initiative through its CEO, ratifying in its business model the implementation of a strategy in line with the UN 2030 Agenda and its Sustainable Development Goals.

José Antonio Fernández Gallar, Chief Executive Officer of OHL, in the *Towards a sustainable Europe by 2030* presentation, promoted by Forética.

OHL also assumes voluntary commitments in the areas of human and employment rights, environmental protection, business ethics and transparency in information dissemination. It is also governed by its ten corporate policies which apply to the entire Company and which, together with the rest of the internal regulations, make up the current framework of action. Governance in matters of sustainability is directed by the Company's highest governance body, the Nomination and Remuneration Committee of the Board of Directors.

In this way, the Company values sustainability management and makes it a competitive factor that strengthens the development of a responsible business.

MANAGEMENT SYSTEMS

OHL has an Integrated Management System (IMS) for Occupational Risk Prevention, Quality and the Environment that includes all divisions of the Company. In 2019 the IMS was consolidated in accordance with the ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 45001 (Occupational Health and Safety Management), SA 8000 (Corporate Social Responsibility Management) and ISO 50001 (Energy Management) standards.

This system, within the Company's sustainability framework, is aligned with the Sustainable Development Goals (SDGs) and particularly with SDGs 3, 9, 12, 13 and 15.

In 2019 the integration of the entire supply chain in the control of outsourced work continued. Also, as a result of the continuous improvement of the IMS, the criteria for evaluating and monitoring suppliers were modified and the Company is currently in the process of improving the Computerised Purchasing System (CPS).

IMPROVEMENT OF THE UNDERSTANDING PROCESS

The ISO 9001, ISO 14001 and ISO 45001 standards include two requirements called understanding the organisation and its context, and understanding the needs and expectations of stakeholders.

In 2019 the understanding process was improved by deepening the systematic approach to achieve a more detailed analysis of both concepts, carried out at territorial management, delegation, company and project level, according to the guidelines below.

It also continues with the understanding of the context and stakeholders of the organisation, segmenting the analysis and reflecting, as a minimum, the following concepts:

Territorial management/company delegation

- Previous year's billings and current year's billings forecast.
- Existing structure in the area of occupational risk prevention, quality and the environment, as well as forecast of changes in this area and their causes.

- Singularities, existing conflicts in the field of occupational risk prevention, quality and the environment and future forecasts that can be identified.
- Number of accidents, in-house and at subcontractors, with effects of more than 45 days.
- Penalties imposed by employment authorities or customers.

Project

- Brief description of the project.
- The construction team's previous experience in similar construction projects.
- Singularities of the contract in terms of occupational risk prevention, quality and the environment.
- Milestones that can be achieved by customer in the areas of occupational risk prevention, quality and the environment.

II. FINANCIAL INFORMATION

II.I. FINANCIAL FRAMEWORK

CONSOLIDATED STATEMENT OF PROFIT OR LOSS

	2019	2018	Change (%)
Revenue	**2,959.9**	**2,906.9**	**1.8%**
Other operating income	86.2	100.9	-14.6%
Total operating income	**3,046.1**	**3,007.8**	**1.3%**
% of sales	102.9%	103 5%	
Opera ing expenses	-2,223.8	-2,689.5	-17.3%
Staff costs	-757.5	-814.3	-7.0%
Gross profit (loss) from operations	**64.8**	**-496.0**	**n.a.**
% of sales	2.2%	-17.1%	
Depreciation and amortisation charge	-68.3	-61.5	11.1%
Changes in provisions and allowances	-8.8	-3.5	151.4%
Loss from operations	**-12.3**	**-561.0**	**-97.8%**
% of sales	-0.4%	-19.3%	
Finance income and finance costs	-35.9	-61.0	-41.1%
Changes in fair value of financial instruments	2.3	-89.4	n.a.
Exchange differences	2.2	-5.9	n.a.
Impairment and gains or losses on disposals of financial instruments	-71.0	-141.9	-50.0%
Financial loss	**-102.4**	**-298.2**	**-65.7%**
Result of companies accounted for using he equity method	-7.0	-110.4	-93.7%
Loss before tax	**-121.7**	**-969.6**	**-87.4%**
% of sales	-4.1%	-33.4%	
Income tax	-21.8	16.0	n.a.
Loss for the year from continuing operations	**-143.5**	**-953.6**	**-85.0%**
% of sales	-4.8%	-32.8%	
Profit (Loss) for the year from discontinued operations, net of tax	**0.0**	**-550.3**	**n.s.**
Consolidated loss for the year	**-143.5**	**-1,503.9**	**-90.5%**
% of sales	-4.8%	-51.7%	
(Profit) Loss from continuing operations attributable to non-controlling interests	0.5	-1.8	n.a.
(Profit) Loss from discontinued opera ions attributable to non-controlling interests	0.0	-71.6	n.s.
Consolidated loss for the year attributable to the Parent	**-143.0**	**-1,577.3**	**-90.9%**
% of sales	-4.8%	-54.3%	

M euros

CONSOLIDATED STATEMENT OF PROFIT OR LOSS

The Group's revenue amounted to EUR 2,959.9 million in 2019, in line with 2018.

72.1% of revenue was generated outside Spain, as compared with 72.7% in the same period of 2018.

As regards the distribution of sales by geographical area, the US and Canada represent 33.9% of the total, Europe 41.0%, Latin America 18.4% and other areas 6.2%.

Total operating income amounted to EUR 3,046.1 million, similar to the figure for 2018.

EBITDA amounted to EUR 64.8 million, 2.2% of sales, a considerable improvement over the same period of the previous year, in which significant losses were posted for projects.

EBIT amounted to EUR -12.3 million, -0.4% of sales.

The net amount of "Finance Income" and "Finance Costs" was EUR -35.9 million, reflecting an improvement of EUR 25.1 million compared with the EUR -61.0 million of 2018. This change was due mainly to the significant reduction in debt in 2018.

"Changes in Fair Value of Financial Instruments" amounted to EUR 2.3 million, compared with the loss of EUR -89.4 million in 2018, which included mainly the foreign currency hedge arranged to hedge the divestment of OHL Concesiones.

"Exchange Differences" amounted to EUR 2.2 million, compared with EUR -5.9 million in 2018 due mainly to the positive effect of the transactions carried out in Canadian dollars in 2019.

"Impairment and Gains or Losses on Disposals of Financial Instruments" amounted to EUR -71.0 million and included primarily the impairment loss of EUR -47.6 million on the investment in the Old War Office project as a result of its remeasurement at fair value. Additionally, an adjustment of EUR -13.0 million was included in the sale price of the Canalejas Project, as the handover of the project has been delayed.

"Income Tax" totalled EUR -21.8 million, and the effective tax rate was around 21%. The Group does not recognise tax assets if there is no certainty as to their recovery.

The loss attributable to the Parent stands at EUR -143.0 million.

CONSOLIDATED BALANCE SHEET

	31/12/2019	31/12/2018	Change (%)
Non-current assets	**1,304.3**	**1,311.2**	**-0.5%**
Intangible assets	196.2	216.2	-9.3%
Concession infrastructure	72.8	72 2	0.8%
Property, plant and equipment	186.4	147.4	26.5%
Investment property	10.2	10 5	-2.9%
Investments accounted for using the equity method	301.4	293.4	2.7%
Non-current financial assets	332.3	309.0	7.5%
Deferred tax assets	205.0	262.5	-21.9%
Current assets	**2,320.0**	**2,792.2**	**-16.9%**
Non-current assets classified as held for sale	0.0	142.5	n.a.
Inventories	107.2	136.9	-21.7%
Trade and other receivables	1,272 2	1,322.4	-3.8%
Other current financial assets	229.0	222.5	2.9%
Other current assets	156.2	153.5	1.8%
Cash and cash equivalents	555.4	814.4	-31.8%
Total assets	**3,624.3**	**4,103.4**	**-11.7%**
Equity	**622.8**	**785.7**	**-20.7%**
Shareholders' equity	**669.6**	**812.2**	**-17.6%**
Share capital	171.9	171.9	0.0%
Share premium	1,265 3	1,265 3	0.0%
Reserves	-624.6	1,052 2	-159.4%
Consolidated loss for the year attributable to the Parent	-143.0	-1,577 3	n.s.
Interim dividend	0.0	-99.9	n.a.
Valuation adjustments	**-42.7**	**-25.4**	**68.1%**
Equity attributable to the Parent	**626.9**	**786.8**	**-20.3%**
Non-controlling interests	**-4.1**	**-1.1**	**272.7%**
Non-current liabilities	**797.5**	**888.8**	**-10.3%**
Grants	0.8	1.3	-38.5%
Long-term provisions	65.5	60.4	8.4%
Non-current bank borrowings and other financial liabilities*	588.0	661.0	-11.0%
Other non-current financial liabilities	31.5	2.4	n.s.
Deferred tax liabilities	95.1	149.0	-36.2%
Other non-current liabilities	16.6	14.7	12.9%
Current liabilities	**2,204.0**	**2,428.9**	**-9.3%**
Liabilities associated with non-current assets classified as held for sale and discontinued operations	0.0	63 5	-100.0%
Short-term provisions	217.2	202.5	7.3%
Current bank borrowings and other financial liabilities*	141.1	80 0	76.4%
Other current financial liabilities	26.3	6.0	338 3%
Trade and other payables	1,562 0	1,827 0	-14.5%
Other current liabilities	257.4	249.9	3.0%
Total equity and liabilities	**3,624.3**	**4,103.4**	**-11.7%**

* Including bank borrowings and bonds
Meuros

APPLICATION OF IFRS 16, LEASES

The impact on the consolidated balance sheet figures is an increase due to the recognition of right-of-use assets and financial liabilities for future payment obligations relating to leases classified to date as operating leases. The adoption included the recognition exemptions permitted for short-term leases (less than 12 months) and leases for which the underlying asset is of low value and correspond for the most part to office, machinery and vehicle lease obligations.

On initial application, the Group recognised an increase in property, plant and equipment and new financial liabilities amounting to EUR 49.9 million, since in the second half of 2019 the Group completed the identification and categorisation of the operating leases held in the various geographical areas and activities in which it operates. The discount rate used was close to 5%.

CHANGES IN THE CONSOLIDATED BALANCE SHEET

The detail of the main headings in the consolidated balance sheet as at 31 December 2019 and of the changes therein with respect to 31 December 2018 is as follows:

"Concession Infrastructure": this line item includes all of the Group's concession infrastructure. The balance amounted to EUR 72.8 million and relates mainly to Sociedad Concesionaria Aguas de Navarra, S.A.

"Investments Accounted for Using the Equity Method": the balance of this heading amounts to EUR 301.4 million and includes the following main investments: i) Proyecto Canalejas Group, S.L, in which the Group has a 50.0% ownership interest recognised at EUR 155.8 million; ii) 51 Whitehall Holdings, S.A.R.L., in which the OHL Group has an ownership interest of 49.0% (Old War Office Project), which is recognised at EUR 104.0 million, after the remeasurement at fair value thereof at year-end.

Non-Current Assets Classified as Held for Sale and Discontinued Operations" and "Liabilities Associated with Non-Current Assets Classified as Held for Sale": in 2018, as a result of the discontinuation of the Development business, assets and liabilities amounting to EUR 142.5 million and EUR 63.5 million, respectively, were recognised. At year-end, as the sale had been completed, there were no balances recognised.

"Trade and Other Receivables": at 31 December 2019, the balance of this line item amounted to EUR 1,272.2 million, representing 35.1% of the total assets.

Progress billings receivable amount to EUR 552.7 million, representing a ratio of 2.2 months of sales, as compared with EUR 561.4 million at 31 December 2018 (2.3 months of sales).

Amounts to be billed for work performed total EUR 399.6 million, representing a ratio of 1.6 months of sales, as compared with EUR 463.8 million at 31 December 2018 (1.9 months of sales).

This improvement in the balances of “Trade and Other Receivables” is a result of the intense monitoring of current assets carried out in 2019.

“Other Current Financial Assets” amounted to EUR 229.0 million, including a restricted deposit of EUR 140.0 million securing the multi-product syndicated financing.

“Other Current Assets”: at 31 December 2018, the balance amounted to EUR 156.2 million and the most significant items included two loans, one to Grupo Villar Mir, S.A.U. for EUR 83.9 million and another to Pacadar, S.A. for EUR 35.2 million.

In June 2019 an agreement was entered into with Grupo Villar Mir, S.A.U. and Pacadar, S.A., as a result of the negotiations held with a view to ensuring the full recovery of the loans granted and which led, on the one hand, to the extension of the maturities until 2020 and, on the other, to the reinforcement of the economic terms and conditions and the terms and conditions relating to the collateral provided to the OHL Group, including a security interest in all the shares of Pacadar, S.A.

At 31 December 2019, these balances amounted to EUR 125.7 million.

“Equity Attributable to the Parent”: amounted to EUR 626.9 million, which represents 17.3% of total assets and a decrease of EUR -159.9 million with respect to 31 December 2018, due to the net effect of:

- The decrease in the attributable bottom line for 2019, which amounted to EUR -143.0 million.
- A decrease of EUR -11.2 million due to valuation adjustments arising from the translation of the financial statements in foreign currency.
- A decrease of EUR -6.1 million due to the remeasurement of financial instruments.
- A decrease of EUR -0.1 million due to the increase in treasury shares.
- At 31 December 2019, 515,037 treasury shares with a value of EUR 0.5 million were held.
- An increase of EUR 0.5 million due to other changes.

“Non-Controlling Interests”: reached EUR -4.1 million, the change therein being of scant significance.

Financial debt: the comparison of the debt with the previous year is as follows:

Gross borrowings [1]	31/12/2019	%	31/12/2018	%	Change (%)
Recourse borrowings	675.1	92.6%	686.5	92.6%	-1.7%
Non-recourse borrowings	54.0	7.4%	54.5	7.4%	-0.9%
Total	**729.1**		**741.0**		**-1.6%**

Meuros

(1) Gross borrowings include non-current and current financial debt, including bank borrowings and bonds.

Net borrowings [2]	31/12/2019	%	31/12/2018	%	Change (%)
Recourse borrowings	-106.5	n.a.	-346.8	117.2%	-69.3%
Non-recourse borrowings	51.1	n.s.	50.8	n.a.	0.6%
Total	**-55.4**		**-296.0**		**-81.3%**

Meuros

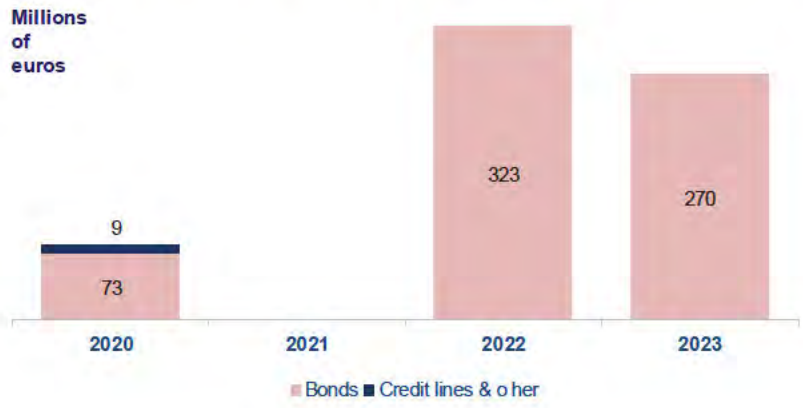
(2) Net borrowings comprise gross borrowings less other financial assets and cash and cash equivalents.

The gross recourse borrowings amounted to EUR 675.1 million at 31 December 2019, a decrease of EUR -11.4 million from the figure at 31 December 2018. The outstanding balance of bonds amounts to EUR 666.2 million, of which EUR 73.3 million mature in March 2020 and are therefore classified as short term.

The gross non-recourse borrowings amounted to EUR 54.0 million, representing 7.4% of total gross borrowings.

80.7% of the total gross borrowings falls due at long term and the remaining 19.3% matures at short term.

The detail of the maturity of the Group's gross recourse borrowings is as follows:



Total net debt amounted to EUR -55.4 million, up EUR 240.6 million on 31 December 2018.

Total recourse liquidity amounts to EUR 781.6 million and includes EUR 140.0 million that are deposited as a guarantee for the line of guarantees drawn against in relation to the multiproduct syndicated financing.

CASH FLOW

Although the criteria used differ in some cases from those set out in IAS 7, this section presents a cash flow analysis of the evolution of the business:

	2019	2018
EBITDA	**64.8**	**-496.0**
Adjustments for	**-124.3**	**-300.3**
Financial losses	-102.4	-298.2
Results of companies accounted for using the equity method	-7.0	-110.4
Income tax	-21.8	16.0
Changes in provisions and allowances and other	6.9	92.3
Cash flows from operations	**-59.5**	**-796.3**
Changes in working capital	**-159.1**	**159.8**
Trade and other receivables	50.2	431.1
Trade and other payables	-265.0	212.1
Other changes in working capital	55.7	-483.4
Cash flows from operating activities	**-218.6**	**-636.5**
Cash flows from investing activities	**-22.0**	**1,927.8**
Non-controlling interests	-3.0	-3.4
Other cash flows from investing activities	-19.0	1,804.8
Discontinued operation	0.0	126.4
Change in net non-recourse borrowings	**0.3**	**-1.0**
Change in net recourse borrowings	**240.3**	**-1,290.3**
Cash flows from financing activities	**240.6**	**-1,291.3**

Meuros

The **adjustments to the loss** are negative by EUR -124.3 million, but less than the EUR -300.3 million in 2018, mainly as a result of the foreign currency hedges arranged to hedge the sale of OHL Concessions and the impairment of assets due to the execution of the guarantees for the Sidra Hospital (Qatar) and others.

The **cash flows from operations** are negative by EUR -59.5 million, compared with EUR -796.3 million in 2018, thanks to the contribution of EUR 64.8 million of EBITDA. **Cash flows from operating activities**, although negative by EUR -218.6 million in 2019, show a significant change in trend with respect to the 2018 figure, which amounted to EUR -636.5 million, a reduction of 66%.

The **changes in working capital** amount to EUR -159.1 million, mainly as a result of payments made in loss-making projects. However, the Group continues to manage working capital intensively, which is improving the situation from the beginning of 2019 in comparison with 2018.

Cash flows from investing activities in 2019 amounted to EUR -22.0 million and included the disbursements made for the investments in the Canalejas Project and Toledo Hospital, which are offset by a portion of the collections obtained from the sale of Mayakoba. The 2018 data include the significant divestment of OHL Concesiones, ZPSV and Mayakoba.

Cash flows from financing activities amounted to EUR 240.6 million, corresponding mainly to net recourse borrowings.

II.II. BACKLOG

At 31 December 2019, the Group's backlog amounted to EUR 5,457.9 million, -10.4% down on the backlog at 31 December 2018. 91.6% of the total backlog related to short-term projects, with long-term projects accounting for the other 8.4%.

The short-term backlog amounted to EUR 4,999.6 million, which represents approximately 20.3 months of sales. 87.7% of the short-term backlog corresponds to the Construction business.

The long-term backlog amounted to EUR 458.3 million, an increase with respect to 2018 as a result of the changes in the terms and conditions of the Aguas de Navarra concession.

	31/12/2019	%	31/12/2018	%	Change (%)
Short-term	**4,999.6**		**5,876.4**		**-14.9%**
Construction	4,385.7	87.7%	5,240.8	89.2%	-16.3%
Industrial	248.8	5.0%	259.9	4.4%	-4.3%
Services	365.1	7.3%	375.7	6.4%	-2.8%
Long-term	**458.3**		**218.2**		**110.0%**
Construction - concessions	458.3	100.0%	218.2	100.0%	110.0%
Total	**5,457.9**		**6,094.6**		**-10.4%**

M euros

II.III. ALTERNATIVE PERFORMANCE MEASURES

The OHL Group presents its results in accordance with International Financial Reporting Standards (IFRSs) and also uses certain Alternative Performance Measures (APMs) that facilitate better understanding and comparability of the financial information. In order to comply with the guidelines of the European Securities and Markets Authority (ESMA), we hereby disclose the following:

EBITDA: is profit or loss from operations plus the depreciation and amortisation charge plus the change in provisions and allowances.

	Thousands of euros	
	2019	2018
Loss from operations	-12,263	-560,957
(-) Depreciation and amortisation charge	68,304	61,493
(-) Changes in provisions and allowances	8,724	3,514
Total EBITDA	**64,765**	**-495,950**

Use: performance measure that indicates operating results, excluding non-cash items. This is used by analysts and investors to measure operating performance and relate it to indebtedness.

Comparison: comparative amounts for different periods are presented.

Recourse EBITDA: total EBITDA, including interest income and excluding certain losses arising from other expenses, in certain cases with no effect on cash (e.g., contract revision losses, collective redundancy procedures, etc.), less the EBITDA of the project companies, and including dividends paid to the parent by the project companies.

	Thousands of euros	
	2019	2018
TOTAL EBITDA	64,765	-495,950
(+) Interest income	20,575	21,737
(-) EBITDA of project companies	-4,326	-3,429
(-) Finance income of project companies	-	-
(-) Dividends of project companies	-	567,637
(-) Non-recurring expenses	-	67,300
TOTAL RECOURSE EBITDA	81,014	157,295

Use: aggregate used to calculate contractual clauses.

Comparison: comparative amounts for different periods are presented.

Project companies: companies for whose debt there is no recourse to the Parent OHL, S.A.

EBIT: calculated on the basis of the following line items in the consolidated statement of profit or loss: "Revenue", "Other Operating Income", "Operating "Expenses", "Staff Costs", "Depreciation and Amortisation Charge" and "Changes in Provisions and Allowances".

Use: aggregate indicating profit or loss from operations.

Comparison: comparative amounts for different periods are presented.

Gross borrowings: groups together the balances of the "Non-Current Liabilities - Debt Instruments and Other Marketable Securities", "Non-Current Liabilities - Bank Borrowings", "Current Liabilities - Debt Instruments and Other Marketable Securities" and "Current Liabilities - Bank Borrowings" headings on the liability side of the consolidated balance sheet, including bank borrowings and bonds.

	Thousands of euros	
	2019	2018
Debt instruments and other marketable securities (non-current)	587,887	659,298
Non-current bank borrowings	150	1,659
Debt instruments and other marketable securities (non-current)	83,691	14,132
Current bank borrowings	57,380	65,869
TOTAL GROSS BORROWINGS	729,108	740,958

Use: gross borrowings are used to measure the level of indebtedness and to determine the financial structure.

Comparison: comparative amounts for different periods are presented.

Net borrowings: made up of gross borrowings less "Other Current Assets" and "Cash and Cash Equivalents" on the asset side of the consolidated balance sheet.

	Thousands of euros	
	2019	2018
GROSS BORROWINGS	729,108	740,958
(-) Current financial assets	-229,010	-222,482
(-) Cash and cash equivalents	-555,442	-814,434
TOTAL NET BORROWINGS	-55,344	-295,958

Use: net borrowings are used as an indicator of the Company's solvency.

Comparison: comparative amounts for different periods are presented.

Non-recourse borrowings (gross or net): the borrowings (gross or net) of the project companies.

Recourse borrowings (gross or net): total borrowings (gross or net) of the project companies less non-recourse borrowings (gross or net).

Use: non-recourse borrowings (gross or net) are used to measure the level of indebtedness without recourse to the parent.

Comparison: comparative amounts for different periods are presented.

Backlog: short- and long-term unearned revenue from contracts awarded. Once they have been formalised, these contracts are included in the backlog.

- Short-term backlog: represents the estimated unearned Construction, Industrial and Services revenue, and also includes expected revenue from changes in contracts or additional work estimated on the basis of the percentage of completion of the projects.
- Long-term backlog: represents the estimated future revenue of the concessions, over the concession term, based on the related financial plan and including estimates of changes in the exchange rates between the euro and other currencies, inflation, prices, tolls and traffic volumes.

Use: an indicator of future revenue.

Market capitalisation: number of shares at the end of the period multiplied by the share price at the end of the period.

	2019
Number of shares at end of period	286,548,289
Market price at end of period	1.06
MARKET CAPITALISATION (millions of euros)	303.7

Earnings per share (EPS): profit or loss attributable to the Parent divided by the average number of shares in the year.

	Thousands of euros 2019
Loss attributable to the Parent	-142.960
Average number of shares	286,052,416
LOSS PER SHARE	-0.50

PER: share price at the end of the period divided by the earnings per share for the last 12 months.

The above financial indicators and alternative performance measures (APMs), the use of which facilitates a better understanding of the financial information, are calculated by applying the principles of consistency and uniformity, which allows comparability between periods.

	2019
Market price at end of period	1.06
Loss per share	-0.50
PER	-2.12

SHAREHOLDER AND INVESTOR RELATIONS

STOCK MARKET INFORMATION

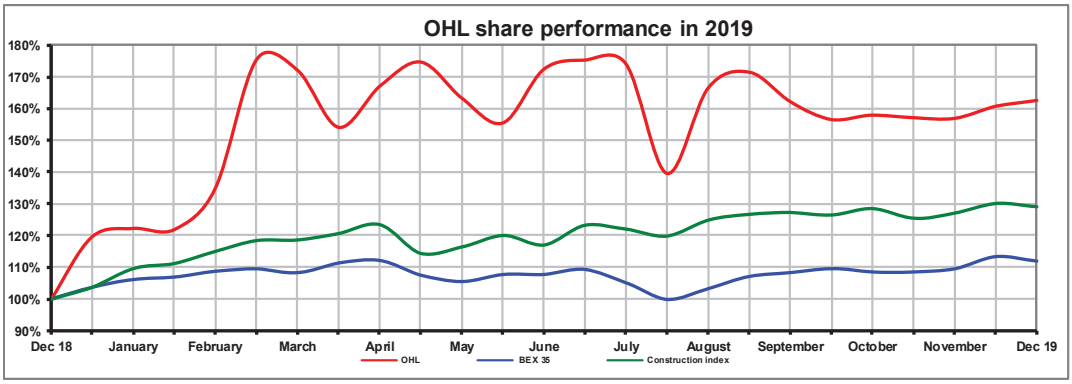
Obrascón Huarte Lain S.A.'s shares increased in value by 62.6% in 2019, a transition year for the Company, increasing the market capitalisation to EUR 303.7 million at 31 December 2019.

OHL ON THE SPANISH STOCK MARKET INTERCONNECTION SYSTEM

OHL on the stock market. OHL stock market indicators in 2019

OHL, S.A.	31/12/19
OHL closing price	1.0600
OHL YtD share price performance	62.6%
Maximum price	1.3850
Minimum price	0.6500
Average price	1.0330
Treasury shares	515,037
Value of treasury shares	545,939
% OHL treasury shares	0.180%
Total number of OHL shares	286,548,289
Nominal value of OHL share capital	171,928,973
Nominal value of OHL share capital per share	0.60
Market capitalisation (EUR million)	303.7
Number of shares traded in the year	725,660,233
Number of shares traded daily in the year	2,845,726
Traded shares as a % of total shares	253.2%
Effective volume traded in the year	749,890,406
Average effective volume traded per day	2,940,747
Total days traded in the year	255
IBEX-35 index	9,549.2
IBEX-35 YtD performance	11.8%
Construction index in Spain	1,800.0
Construction index YtD performance	29.1%
Gross dividend paid in the year	0.00
Net dividend paid in the year	0.00

Source: Bolsas y Mercados Españoles & Bloomberg



At 31 December 2019, the share capital amounted to EUR 171,928,973.40, represented by 286,548,289 ordinary shares of EUR 0.60 par value each and all of the same class and series.

In 2019 the share reached a maximum closing value of EUR 1.3850 per share in March and a minimum closing value of EUR 0.6500 per share in January, which gives an average price over the whole year of EUR 1.0330 per share. In 2019 a total of 725,660,233 shares were traded on the stock market (253.2% of the total shares admitted for trading), which represents a fall of 5.2% with respect to 2018. The daily average stands at 2,940,747 shares.

The Company ended the year with 515,037 treasury shares tied, in full, to its liquidity agreement, equal to 0.180% of the Company's current capital, a position that remained stable throughout 2019. The position at the year-end closing price amounted to EUR 545,939 thousand.

The performance of the IBEX 35 and the Construction index in Spain showed increases of 11.8% and 29.1% respectively, lower than that of OHL.

OHL BOND ISSUES CURRENTLY OUTSTANDING IN THE MARKET

OHL currently has three outstanding bond issues in the market, which are traded in London. The most relevant data on the bonds issued are as follows:

Issuer	Maturity	Cupon rate	Outstanding balance	Price	YtM
OHL, S.A.	March 2020	7.625%	73 Mn €	100.009%	7.408%
OHL, S.A.	March 2022	4.750%	323 Mn €	70.018%	22.830%
OHL, S.A.	March 2023	5.500%	270 Mn €	69.638%	18.483%

COMMUNICATION WITH SHAREHOLDERS, INVESTORS AND ANALYSTS

In 2019 roadshows were run in Spain and abroad, and the Company participated in various forums and seminars. The Annual General Meeting was held in May. Both the presentation of year-end results and the Annual General Meeting, due to their importance, were streamed (through the Company's website), to make it easier for the various stakeholders to follow them.

Since 2011 the Company has made quarterly presentations of results through conference calls, in which OHL's management team establishes a direct communication with the financial community.

TAX CONTRIBUTION

The Company complies with all the tax obligations that arise as a result of its business activity in accordance with the rules applicable in each of the jurisdictions in which it operates, thereby implementing its tax policy.

The following table contains the amounts paid by the Group companies to the public authorities in 2019 in the various jurisdictions in which they operate, making a distinction between taxes borne, which represent a cost for the Group, and taxes collected on behalf of third parties, which have no impact on the Group's statement of profit or loss.

	Thousands of euros			
Country	**Taxes borne (1)**	**Taxes collected (2)**	**Total**	**% of total**
Spain	75,648	73,115	148,763	59.3%
US and Canada	14,880	10,074	24,954	10.0%
Chile	2,882	16,532	19,414	7.7%
Peru	4,345	10,994	15,339	6.1%
Mexico	4,657	8,673	13,330	5.3%
Eastern Europe	11,470	98	11,568	4.6%
Colombia	1,786	747	2,533	1.0%
Other	4,413	10,449	14,862	5.9%
Total	**120,081**	**130,682**	**250,763**	

(1) Including mainly income tax and employer social security contributions.

(2) Containing primarily employment-related taxes borne by employees and VAT collected.

The most significant item in the group's tax contribution was that relating to employment taxes, which amounted to EUR 169,142 thousand.

The payment of income tax incurred on the activity of the group companies amounted to EUR 10,283 thousand. The distribution of this amount, by country, is as follows: Spain 15%; US and Canada 47%; Chile 4%; Peru 12%; Mexico 11%; Eastern Europe 3%; Colombia 8%.

Profit or loss before tax	2019
Spain	-123,259
Saudi Arabia	3,252
Algeria	-1,474
Czech Republic/Eastern Europe	-441
Chile	48,305
Colombia	-12,532
Kuwait	-3,266
Mexico	6,387
Peru	15,211
Qatar	-22,005
Turkey	-2,267
US and Canada	-913
Vietnam	-373
Australia	-1,434
Other countries	-26,850
Total	**-121,659**

Thousands of euros

Government grants collected	2019
Government grants collected	30

Thousands of euros

Excluding information on grants for training.

III.NON-FINANCIAL INFORMATION

III.I. PEOPLE

PROFILE OF THE HUMAN TEAM

OHL considers its human team to be one of its core assets. These people exemplify talent and professionalism, and their behaviour is in line with the principles set out in the Code of Ethics. In addition, the Company is committed to the employability of its workers, their professional development and the promotion of safe and healthy workplaces.

The number of people at OHL at 31 December 2019 was 18,782, up 2.2% on 2018, with two more companies included in the scope of consolidation[1]. In addition to direct employment, the Company contributed to the indirect maintenance of 10,868 jobs, through associates, suppliers and subcontractors, who are required to have the same level of commitment as other OHL employees.

Distribution of the workforce by profession, age and gender

				<30		30-45		46-55		>56	
	Total	Men	Women	M	W	M	W	M	W	M	W
Senior executives	11	11	0	0	0	1	0	5	0	5	0
Senior managers	58	51	7	0	0	10	4	29	3	12	0
Managers	308	273	35	10	2	97	20	109	11	57	2
Supervisors	1,313	1,095	218	53	18	464	108	368	63	210	29
Other line personnel	2,337	1,799	538	300	122	856	312	421	80	222	24
Clerical staff	897	410	487	105	98	175	224	87	134	43	31
Manual workers	13,858	7,127	6,731	1,064	499	2,734	1,798	2,107	2,520	1,222	1,914
TOTAL	18,782	10,766	8,016	1,531	739	4,337	2,466	3,126	2,811	1,771	2,000

M: Men / W: Women.

Contribution to the maintenance of indirect employment

DIVISION	Subcontractors	Workers from subcontracted companies
CONSTRUCTION	1,298	7,569
INDUSTRIAL	196	1,943
OTHER ACTIVITIES	8	30
SERVICES	663	1,326
Total OHL	2,165	10,868

*The induced employment corresponds to 100% of the estimated workforce of the subcontractors without weighting the volume of transactions with OHL.

[1]The companies included are: Consorcio AIA (Chile) and Gizatzen (Spain).

Distribution of the workforce by geographical area and type of contract

	Permanent	Temporary	Total
Spain	6,821	2,716	9,537
North America	983	680	1,663
Latin America	3,606	2307	5,913
Europe	1,330	213	1,543
Other	48	78	126
Total OHL	12,788	5994	18,782

Type of Construction and Industrial contracts in Spain

	<30				30-45				46-55				>56			
	Permanent		Temporary		Permanent		Temporary		Permanent		Temporary		Permanent		Temporary	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Senior executives					1				3				5			
Senior managers					3	1			13	1			8			
Managers					13	6			32	3			13			
Supervisors	1	2	2	2	120	28	6	2	125	19	6	2	70	4		
Other line personnel	11	7	16	8	172	84	41	17	148	25	40	3	69	1	10	
Clerical staff		1	1	4	13	48	2	4	23	55	5	5	14	5	2	
Manual workers	1		25	1	71	2	133	3	66		94	2	42		22	2
TOTAL	13	10	44	15	393	169	182	26	410	103	145	12	221	10	34	2

P: Permanent / T: Temporary / M: Men / W: Women.

In the Construction and Industrial businesses there is not a significant number of part-time contracts. With regard to temporary contracts, of the total number of women workers of OHL, more than 80% belong to the Services Division, and due to the nature of the activity, the staff usually have temporary contracts. 53.7% of the employees of Services Spain (Gizatzen and Ingesan) have part-time contracts, the breakdown being as follows.

	<30				30-45				46-55				Total	
	Permanent		Temporary		Permanent		Temporary		Permanent		Temporary			
	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Supervisors	-	-	-	-	1	-	-	-	1	-	-	-	-	2
Other line personnel	-	3	-	6	1	5	1	1	-	3	-	-	-	21
Clerical staff	-	-	1	1	-	2	1	2	-	-	-	1	-	8
Manual workers	26	104	37	211	102	1,005	42	484	63	869	29	481	24	4,127
TOTAL	26	107	38	218	104	1,012	44	487	64	872	29	482	24	4,158

Types of contract at international level

	Permanent			Temporary		
	W	M	Total	W	M	Total
Europe	232	1,098	1,330	32	181	213
Latin America	1,312	2,294	3,606	305	2,002	2,307
North America	149	834	983	17	663	680
Other	6	42	48	11	67	78
Total	**1,699**	**4,268**	**5,967**	**365**	**2,913**	**3,278**

M: Men / W: Women.

OHL is committed to respect for freedom of association and the right to collective bargaining. Also to non-discrimination, the protection of all workers regardless of condition or gender, and for decent conditions in employment in its broadest sense, which applies to the welfare of all its workers.

Further information:

- Other HR aggregates
- Information on freedom of association and collective bargaining

DIVERSITY AND EQUAL OPPORTUNITY

OHL understands diversity as a condition of great importance in people management and is aware of the added value of having a pluralistic workforce in the business environment. Its management is considered as an asset that favours the creation of competitive and complementary teams, the promotion of a better response to the expectations of stakeholders and adaptation to the varying situation in which the Company operates.

Also, the Company has an active commitment to diversity and equal opportunity, which is manifested through its policies, adhesion to international initiatives that deal with this matter and through the development of measures that facilitate the integration of employees and avoid discrimination of any type.

CEO Alliance for Diversity

OHL adheres to the *CEO Alliance for Diversity,* through its chief executive officer. The initiative, promoted by the Adecco Foundation and the CEOE (Spanish Confederation of Business Organisations), aims to unite companies around a common and innovative vision of diversity, fairness and inclusion, and to accelerate the development of strategies that contribute to business excellence, the competitiveness of talent and the reduction of inequality and exclusion in Spanish society.

CEO & LA DIVERSIDAD

FUNDACIÓN CEOE

FUNDACIÓN ADECCO

GENDER EQUALITY

OHL is currently negotiating its III Equality Plan, so the Company's Equality Commission has agreed to extend the validity of the II Equality Plan until 30 June 2020, fully confident that both the Company and the legal representatives of the workers will reach an agreement before the end of the agreed-upon extension.

In 2019 specific training continued to be given. Thus, a total of 1,121 students have taken the course on the Company's Equality Plan, with 2,242 hours of instruction.

In addition, in Services, a course was given on the *Use of inclusive, non-sexist language in the workplace*, aimed at core and business personnel, managers, and heads of area in the Technical Office, Human Resources, General Services, Administration and Occupational Risk Prevention. A total of 146 students participated and 292 hours of training were given.

EMPLOYMENT INTEGRATION PLAN FOR VULNERABLE GROUPS

Work continued to promote the employability of people with different abilities, victims of gender violence or people at risk or in a situation of social exclusion. Also, the creation of local employment was favoured, within the framework of works and projects, especially for vulnerable and low-qualified profiles.

In 2019 167 people with disabilities joined OHL, along with 20 people from groups suffering social exclusion, and 5 victims of gender violence joined the workforce of Services in Spain.

> 3.1% disabled people at the group companies in Spain, exceeding legal requirements.
>
> 1.8% people with disabilities and 10.6% people from ethnic minorities of the total number of workers at OHL Group companies.

In addition to generating employment opportunities, the employees of OHL participated in initiatives to promote the employability of these groups, giving workshops with a total of 42 hours of training, within the framework of the Company's professional volunteering programmes, thanks to which 186 people have improved their employability.

Further information.

- Other HR aggregates

TALENT MANAGEMENT

ATTRACTING TALENT

Within the framework of the Young Talent programme, ten recently qualified civil engineers joined various construction projects in Peru and Colombia in 2019, such as Quellaveco and Antamina (mining), the Omate road (road) and the National Archaeology Museum (singular building). In Colombia, the Cúcuta aqueduct, the Málaga-Los Curos road and the Cordillera Central are of particular note. All of them will follow the training programme to develop professionally at OHL.

PEOPLE DEVELOPMENT AND PERFORMANCE MANAGEMENT

Professional development and career opportunities constitute one of the main pillars of people management at OHL. The Company has a Performance Management System that allows employees to be aligned with the Company's values, strategic business objectives and shareholders' interests, taking into account the results of the evaluation of competencies and the assessment of objectives, thanks to which the level of performance of the employees is obtained. The system currently extends up to the professional group of middle managers, although the Company's intention is that it extend to other groups in the future.

This information enables the Company to undertake certain actions related with talent management. Of special note are the assignment of specific training plans; the definition of professional itineraries; the design of professional development plans; the evaluation of employees' potential to assume new responsibilities; and the preparation of succession plans or their application to certain processes related to the remuneration policy.

REMUNERATION AND BENEFITS

OHL's remuneration system is based on criteria of objectivity, fairness and competitiveness, according to the business strategy, and is designed with the aim of attracting, retaining and engaging all employees in the Company's global project. The model is endorsed by the Nomination and Remuneration Committee of the Board of Directors, aligning the competitiveness of salaries with the interests of shareholders.

The remuneration and salary band structure policies are the result of the analysis and description of posts, professional groups and organisational levels, with a specific positioning with respect to the market according to the level of competitiveness required by the business in each case.

On the other hand, a Variable Remuneration System (VRS) has been defined for the management team, the purpose of which is to promote the achievement of the objectives that the Company considers strategic at all times for the development of its business, based on the definition of an Objectives Management System (OMS) that includes the Company's economic and individual management objectives.

Further information:

- Social benefits for employees, work-life balance measures and disconnection from work measures

KNOWLEDGE MANAGEMENT

OHL has a firm commitment to the training of all its employees, the aim of which is to respond to the specific needs of each position and to be of use in terms of how the person in question performs. The global and flexible nature of the training plans is particularly noteworthy, as they adapt to the organisational changes and specific needs of each activity, business and geographical area in which the Company is present.

The 2019 Training Plan included actions related to technical and production aspects, common and specific to each business, as well as areas of a transversal nature, among which those aimed at providing and facilitating tools for the management of teams and acquiring skills for the integral development of employees are noteworthy. Furthermore, corporate training was expanded, the main objective of which is to integrate, raise awareness and sensitise all employees to the policies, culture and values of OHL. The Plan is global in scope and is communicated to all employees, irrespective of the professional group or geographical area; in Spain, the approval of the workers' representatives of each work centre is sought prior to its launch.

In 2019, 4,864 students were trained on 159 different courses in Spain, with a total of 76,432 hours of training.

In addition, PHAROS, an international platform for access to training and knowledge, with universal access to a catalogue of more than 24,000 training hours, provided a new window onto knowledge for all countries. It is based on a delocalised methodology, where the student can access a personalised training itinerary that invites and motivates continuous training, and is key to achieving excellence among the Company's professionals. In 2019 there were 215 students enrolled on the more than 300 courses, with a total of 3,360 hours of training.

Training by training area and gender

	Participants			Hours of training									
	Gender		Total	T.A. Unplanned		Common areas		Business areas		Transversal areas		Total hours	
	M	W		O	CB	O	CB	O	CB	O	CB	O	CB
Construction and Corporate	5,017	743	5,760	26,878	7,610	5,692	1,217	3,185	753	4,361	29,813	40,116	39,393
Industrial	3,192	200	3,392	15,263	1,248	1,346	836	3,155	8	1,556	2,155	21,320	4,247
Services	932	1,604	2,536	10,706	11,552	726	-	2,365	2,486	3,770	2,787	17,567	16,825
Total	9,141	2,547	11,688	52,847	20,410	7,764	2,053	8,705	3,247	9,687	34,755	79,003	60,465

O: Online / CB: Classroom based
M: Men / W: Women

Training by professional category and gender

	Senior executives		Executives		Managers		Supervisors		Other line personnel		Manual workers		Clerical staff		Total	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Construction and Corporate	260	85	1,570	270	3,791	634	15,210	1,843	16,828	7,869	25,189	1,007	1,142	3,812	63,989	15,520
Industrial	-	-	57	-	97	-	5,101	421	9,029	2,826	4,472	79	2,899	586	21,655	3,912
Services	70	-	539	169	75	-	6,908	3,712	3,478	2,023	11,112	4,843	460	1,003	22,642	11,750
Total 2019	330	85	2,166	439	3,963	634	27,219	5,976	29,335	12,718	40,773	5,929	4,501	5,401	108,286	31,182
Total 2018*	173	93	1,320	1,097	5,105	2,200	12,960	6,601	30,310	15,110	33,044	12,374	4,078	5,637	86,990	43,112

*The 2018 training hours of Turkey (38,653) and those of Services at Ingesan Chile (1,384) have not been broken down by professional category and, therefore, they are not in the total of the table.

In relation to training, it can be observed in the foregoing tables that in 2019 there was a higher number of men trained, compared with women, at the Company. More than 85% of OHL's workforce works in production, and this group receives the most training, especially in occupational risk prevention, and the percentage of women working in production is very low. Also, if workforce data are considered and compared with training data, it can be seen that most of the women hired at OHL are in the Services Division, while the greatest number of training actions are implemented in the Industrial and Construction divisions.

Total 2018	Total 2019	Year-on-year change
170,139	139,468	-22%

HEALTH AND SAFETY

In 2019 the internal and external audit process continued, the Company having achieved ISO 45001 certification in Occupational Risk Prevention for Construction in Europe and Latin America and for the Services business area.

The ISO 45001 certification has led to significant improvements with respect to the OHSAS 18001 standard:

- The business strategy and the leadership of senior management have been strengthened.
- The importance of developing the context of the organisation has increased.
- More effective risk management has been favoured, considering both negative and positive effects, taking advantage of the opportunities generated by them.
- Compliance with legal requirements has become more demanding, and a high-level structure has been established, making it easy to integrate with the main standards implemented, such as ISO 9001:2015 (Quality Management) and ISO 14001:2015 (Environmental Management).

> *The number of sites with occupational risk prevention certificates (ISO 45001) is 41, distributed across 15 countries, under the umbrella of the IMS, representing 93.7% of the total number of sites.*

In addition, during the year the National Commission for Health and Safety in the Workplace was set up in order to guarantee the participation of all construction workers in Spain.

OHL has health and safety committees which have the following objectives: to guarantee participation and permanent communication between prevention supervisors, prevention delegates, prevention technicians, trade union officials, and managers and heads of the various work centres of the Company's divisions; as well as preventive surveillance and coordination of activities, with the participation of representatives of the Company's own workers and subcontractors.

The main issues dealt with in the committees are related to the results of the audits carried out, monitoring of accident rates, medical examinations, training activities and Personal Protective and Safety Equipment (PPE), among other aspects.

A major commitment to training remains in place, which is considered to be a key tool in the integration of safety in the production process and the basis of self-care for all employees. In this regard, the Construction and Industrial business areas have continued to hold on-site safety talks given by the production teams (toolbox meetings).

105,272 training hours in toolbox meetings

	Hours of toolbox meetings
Construction	83,660
Industrial	21,294
Services	318
Total	105,272

Accident rates

	Frequency rate		Severity rate		Incidence rate	
	2018	2019	2018	2019	2018	2019
Construction	8.5	5.8	0.3	0.3	1,861.1	1,232.1
Industrial	3.6	2.2	0.1	0.2	1,636.2	485.9
Services	36.6	29.7	1.1	1.0	6,346.5	5,243.2
Total	15.8	15.9	0.5	0.6	3,490.9	3,124.3

F.R. = Number of accidents with sick leave * 1,000,000/No. of hours worked.

S.R. = Number of days lost * 1,000/No. of hours worked.

I.R. = Number of accidents with sick leave * 100,000/No. of workers.

Health and safety measures are applied equally at OHL, with no gender differences.
Commuting accidents are excluded.

	Accident rates 2018 vs. 2019
Frequency rate	0.8%
Severity rate	17.2%
Incidence rate	-10.5%

The increase in the severity rate corresponds to the Industrial Division and is the result of an extensive accident at the Guadalajara (Mexico) project, as well as the continuation in 2019 of days' leave from another accident that occurred in December 2018 in Murcia (Spain), none of which was extremely severe in terms of injury, but which required a long recovery. Accordingly, it should be noted that any statistical analysis of accidents must be framed within a minimum number of hours worked, which as a general rule is around 250,000, in order to consider the indicators analysed as significant, both upwards and downwards. Therefore, beyond the days lost as a result of an accident considered serious, because of the recovery time of the worker, not because of the type of accident or injury that occurred, the changes in these rates are not significant from a statistical or management standpoint.

Number of accidents and severity broken down by gender

	Men		Women		Total	
	Minor	Serious	Minor	Serious	Minor	Serious
Construction	67	30	9	-	76	30
Industrial	5	-	-	-	5	-
Services	85	18	293	82	378	100
Total	157	48	302	82	459	130

The Chilean Safety Association has honoured OHL Chile and OHL Industrial for their good safety performance in 2019

CUÍDATE OHL

In 2019, in association with Quirón Prevención, the healthy company programme CUÍDATE OHL was initiated. The program was created to develop the skills of each worker, focusing on:

- Cognitive Development
- Emotional Development
- Behavioural Development

The expected benefits of the implementation of this programme are as follows:

- Promote employee health
- Decrease occupational accidents and ill-health
- Improve the work climate, participation, commitment and motivation of workers
- Reduce stress

OHL also joined the Health and Sustainability Action Group, coordinated in Spain by Forética, to promote health and welfare as a fundamental axis of sustainability and corporate social responsibility.

In addition, the Company participated in various forums and meetings to reflect on and share good practices in the area of health and safety. Of particular note were *The engineer, obligations and competencies in occupational risk prevention* workshop, held at the School of Industrial Engineering (ETSIIM); the 3rd National Congress of the General Council of Occupational Health Professionals; the *ISO 45.001 Integration* workshop; *AIAL-PRL's Management of Occupational Risk Prevention in International Mobility; Best practices in international management of occupational risk prevention; and the ABG Personas meeting on Experience and reflections on international mobility and prevention*.

During the process of preparing this report, in keeping with the health crisis caused by the spread of the COVID-19 virus, OHL has created a crisis committee with the aim of protecting the health of its employees, always in accordance with the criteria set by the health authorities.

Further information:

- Note on Events after the Reporting Period included in the financial statement for 2019.

HUMAN RIGHTS

OHL reinforced its commitment to respect for human rights (HR), by launching a questionnaire on this subject in 2019, which enabled the Company's performance to be evaluated. This campaign was global in scope and addressed a diverse and representative range of construction sites and projects.

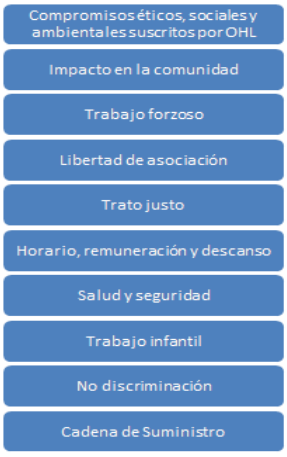
This project favoured internal awareness of respect for and compliance with human rights, while at the same time identifying areas of work with potential for improvement and in which, foreseeably, in 2020, plans will be implemented to increase the Company's standards of action.

72 assessments of construction sites, projects and fixed centres.

17 countries and 3 divisions: Construction, Industrial and Services

75 questions in 10 main subject areas.

94.6% of responses without incident.



The campaign did not give rise to any significant incidents, although the following areas of potential improvement were identified:

ACTIONS AIMED AT EMPLOYEES:

- Provide workers with more information about their job description and salary conditions.
- Improve communication and knowledge of the communication channels between the Company and the workers in order to address workers' proposals, complaints and concerns.

ACTIONS RELATED TO THE IMPACT ON THE COMMUNITY

- Inclusion of HR awareness clauses in contracts with security companies.
- Conducting security risk assessments that include HR-related issues.
- Favouring greater integration with the community, by appointing people responsible for this task and creating communication channels and consultation processes relating to impacts and concerns.

  Creation, where appropriate, of work/project completion plans that guarantee that the negative effects on the area do not last.

OHL's commitment in this area is reflected in its adherence to: the Universal Declaration of Human Rights and the Global Compact, both promoted by the United Nations; the International Labour Organization's Tripartite Declaration on Fundamental Principles and Rights at Work; and the OECD Guidelines, among others. Also, the Company expressly states, through its HR Policy, its commitment to respect and protect the human rights of the people who are part of the Company, its supply chain and the communities affected by its activity.

Further information:

- www.ohl.es/etica-e-integridad/politicas/

III.II. INNOVATION AND EXCELLENCE

INNOVATIVE CULTURE AND R&D+i

OHL promotes the R&D and innovation activities required to obtain and apply new technologies, processes, products and services that will enable it to increase productivity, reduce costs, increase its competitive capacity and set itself apart from its competitors. Over the last two decades, this drive has resulted in the development of and/or participation in more than 300 projects that include agreements with 50 research centres and universities in 12 countries. Also, in the generation of dozens of innovations in construction projects across the five continents that have been brought back and applied in other projects.

These activities have led to production improvements and innovative construction solutions, some of which are protected by 12 families of patents currently in force in 28 countries; and even to proprietary technologies that have achieved an outstanding position in the market, such as Cubipod, an internationally award-winning maritime security system with experience and contracts for application in ports and coasts in Europe, Africa and the Americas.

SIGNIFICANT ACTIONS IN 2019

In line with other areas and activities of the Company, for OHL 2019 represented the culmination of a period of transition in R&D and innovation management. In 2019 the Innovation Policy was renewed and the Construction Innovation Committee was set up, in which the Company's senior management is present and the main lines of action in this area are established on an annual basis.

The R&D and innovation activities in 2019 focused, within the core activity of the Company (Construction), on the lines of civil engineering projects, singular building construction and the enhancement of processes. Both at the Parent and at the specialised subsidiaries, projects continued to be implemented and work performed on defining new initiatives in the fields of rail, maritime, road and sustainable building, which commenced at the beginning of 2020. In these new projects, agile development methodologies and collaborative work are promoted.

With respect to the projects already initiated and in progress at the end of 2019, the last phase of the European project AZEB (Affordable Zero Energy Buildings) is worthy of particular mention. This consortium, financed by the European Commission, made up of eight partners from six countries and with OHL as the only Spanish construction company, has developed a common methodology to achieve buildings with close to zero energy consumption.

With regard to process improvement, the renewed impetus given to the implementation of the BIM (Building Information Modelling) methodology, as part of the Company's digitalisation strategy, should be noted. In 2019, the strands of work, developed by a multidisciplinary team of 40 people from different geographical areas and departments, were updated. This group is working on defining and updating standards, guidelines and processes oriented towards BIM uses. In addition, the Company's BIM Community of Practice was set up, a key tool for supporting the people who are progressively joining the work with this methodology at the Company.

In 2019 Services progressed in its digital transformation strategy with the organisation of working groups to define its key areas of innovation in the short to medium term. It also made headway in the gradual implementation of strategic technological tools, aimed at generating operational efficiencies and exploring new value proposals for its customers.

INDUSTRY BENCHMARKS IN R&D+i

As an industry benchmark in digital transformation and BIM, in 2019 OHL was invited to share its experiences in Madrid and A Coruña (both in Spain); Santiago de Chile (Chile) and Lima (Peru), at events organised by entities such as the Spanish Construction Technology Platform (PTEC), of which OHL is trustee; Universidad Politécnica de Madrid (Spain); EXPOBIM Chile (Chile); Autodesk; and the Peruvian Chamber of Construction (CAPECO).

The 5th Madrid Civil Engineering Week also stands out for its uniqueness, organised by the Civil Engineers' Association under the slogan *Innovate to move forward*, to which OHL contributed with a workshop on innovative road surfaces, visits to emblematic construction projects and two demonstrations of its proprietary technologies exhibited in the Innovation Tunnel space, which was visited by over 33,000 people.

QUALITY MANAGEMENT

OHL has implemented -strongly internalised by the organisation- an integrated management system (IMS) for the prevention of occupational risks (ISO 45001), quality (ISO 9001) and the environment (ISO 14001) in its current version.

Since the IMS is based on a Project Management Plan (PMP), the decision was made to take a cross-cutting approach to quality management in order to guarantee compliance with contractual and regulatory requirements, as well as the organisation's ongoing improvement process. This process, initiated in 2018, continued through the analysis of risks and opportunities required under current ISO standards, and the understanding of the needs and expectations of the stakeholders, both internally and externally, that may affect the organisation's capacity to attain its expected achievements.

All OHL companies conduct customer satisfaction surveys, for the purpose of gaining an insight into their concerns and the degree of satisfaction with the service provided. They also have a methodology to detect, record and respond to complaints made by customers and users.

Within the fulfilment of the objectives of the management system, in the quality section, worthy of mention is the improvement in the dissemination to the production line of lessons learned in quality and environmental matters, with the sole objective of achieving continuous improvement of the organisation.

In order to optimise processes, and as stated in the section on Significant Actions in 2019 in this chapter, the Company relaunched the implementation of the BIM methodology.

III.III ENVIRONMENT

OHL is committed to the protection and conservation of the environment. The Company works to ensure that its projects respect the environment of the areas in which they are located, in order to reduce the impacts generated by its activity and to encourage the responsible use of natural resources and the development of activities and implementation of measures in favour of the conservation and protection of biodiversity. Furthermore, the organisation considers climate change to be one of the great global challenges faced by humanity.

Environmental highlights of 2019*

PRIMARY LEVEL OF IMPORTANCE	SECONDARY LEVEL OF IMPORTANCE
Energy consumption	Noise and vibration emissions
Consumption of raw materials	Impact on biodiversity, ecosystems, fauna and flora
Water consumption	Dust and particles emissions
Greenhouse Gas Emissions	In 2019, the costs of decontamination, prevention and environmental management charged to projects amounted to EUR 814,000. In addition, an environmental investment of EUR 148,148.3 was made. Penalties amounted to EUR 688,275.7.
Waste generation	

*In accordance with ISO 14001 standard.

CLIMATE CHANGE

OHL assumes its responsibility in the fight against climate change proactively. It is committed to incorporating, in its business model, different methodologies and procedures that favour the energy efficiency of infrastructures and building projects, while allowing for the reduction of greenhouse gas emissions.

OHL Servicios' fleet of vehicles is largely made up of green vehicles, using hybrid technology, LPG, CNG or which are completely electric.

Thanks to the green fleet, direct emissions into the atmosphere have been significantly reduced in large cities such as Madrid, Barcelona and Seville (Spain), where air pollution is one of the main problems.

This type of initiative is replicated in other projects such as the EPC Ski contract in Norway, where all the vehicles on the site are electric.

At the asphalt plant of the OHL subsidiary ELSAN, in Vallirana, Barcelona (Spain), a liquefied natural gas (LNG) tank was installed to feed the boiler. This installation makes it possible to significantly improve the quality of the combustion gases emitted into the atmosphere and to reduce the polluting emissions of SO_2 and NOx into the atmosphere.

In the maintenance work of green areas, parks and gardens in the San Blas district of Madrid (Spain), biological control of pests and diseases was carried out with the help of insects such as *Adalia bipunctata*, a natural predator of the aphid *Aphis craccivora*, which affects specimens of *Robinia pseudoacacia*. Thanks to this measure, the use of plant protection products harmful to the environment and health has been avoided.

In the area of climate change, in 2019 OHL made progress on its low-carbon strategy. On the one hand, a working group was set up to draw up and implement a new Emission Reduction Plan that will make it possible to implement reduction measures across all business lines and corporate areas. This Plan will allow OHL to continue along the path of fulfilling its reduction commitments, via actions linked to operations and in accordance with the Company's business model. In this line, it should be noted that, in comparison with 2018, the reduction in emissions (Scopes 1, 2 and 3) in 2019 was 30.6%, excluding the US market, which is not included in the data for 2018.

Furthermore, 2019 was a year in which work was performed on the digitalisation of emissions quantification systems, adapting the calculation methodology and improving reporting, which generates a positive impact on the quality and transparency of information in this area.

Moreover, OHL continued to support investment in sustainability projects that allow it to offset its emissions. Thus, in 2019, a total of 2,000 tonnes of CO_2eq were offset thanks to the investment in a wind power generation project in the Mexican region of Oaxaca.

Production of clean energy at OHL Industrial's Solar PV Plant in Perote (Mexico). The construction of this plant will result in significant savings in emissions in comparison with the use of other energies, since with each KWh generated by solar PV energy, the emission of CO_2 into the atmosphere will be avoided. In total 118.9 MW of installed capacity and 168,000 tonnes of CO_2 avoided each year.

For yet another year, OHL has voluntarily renewed its registration in the Carbon Footprint Register of the Spanish Office for Climate Change, thus obtaining the Calculo seal awarded by that body, which validates the calculations of carbon footprint according to the methodology and principles established by the Ministry for Ecological Transition and the Demographic Challenge.

In consonance with its climate strategy, OHL works to raise awareness among its employees, promoting their knowledge of the global challenge of climate change and its consequences. To this end, an informative and educational news break was launched that offers resources and tools to help understand the causes and effects of climate change, as well as the mechanisms that can help to stop environmental degradation. In addition to this content, 26,674 hours of regular, specific and emergency environmental training were provided. It should be noted that 88% of the information provided on site in 2019 concerned environmental issues.

For the celebration of COP25 Chile, held in December 2019 in Madrid, OHL carried out various campaigns to disseminate and support the process of transformation towards sustainable development and attended some of the main lectures and conferences held.

Lastly, in 2018 OHL actively participated in the Forética Climate Change Cluster, which acts as a benchmark business platform in Spain in the area of climate change.

Further information:

- Environmental performance indicators

CIRCULAR ECONOMY

The circular economy, especially in the construction industry, requires the use of a life-cycle approach to the entire production chain. This means taking into account all players and processes, from the extraction of raw materials to waste collection, recycling processes and the production of secondary raw materials, including all construction, maintenance, renovation or demolition processes, among others.

Accordingly, OHL works to ensure that good practices are implemented in all its projects in terms of the circular economy and to promote the reduction, reuse and recycling of waste by reintroducing it into the production cycle through process innovation techniques.

Within the framework of ELSAN's ECOSURF project, the recycled material from the milling of bituminous mixtures has been used and recovered in types of layers and types of mixes where it is not normally used. Thus, the use of construction waste such as the material milled using bituminous mixtures is promoted, extending its use in all the bituminous layers of a road section. The aim is to promote the use of methods and materials that minimise the use of natural resources and reduce energy consumption and emissions during the useful life of the surfaces, without compromising user safety.

In Peru, where OHL is building the future National Museum of Archaeology (MUNA), surplus materials such as wood, used to make solid waste storage containers, are being recycled. This recycled material is also used to build access ramps, awareness panels, notice boards and ergonomic office items.

In 2019 more than 290,000 kg of pruning waste from the maintenance and conservation of green areas, parks and gardens in various districts of the Spanish capital, Madrid, (Ciudad Lineal, Hortaleza, Barajas, Valdebebas and San Chinarro) were used to make mulch, a protective ground cover that serves to retain humidity and create humus. This gesture contributes to the circular economy, and helps to reduce the water footprint and the spread of weeds in natural areas.

OHL is committed to a production model that improves efficiency in the use of resources. In the projects undertaken by the Company, good practice is encouraged, whenever possible, to recover excavated earth and use it as filler material in indoor planters. Also encouraged is the recovery of organic soil to revegetate the areas affected by the work. Thanks to actions of this nature, 47.9% of natural material was reused in 2019. In addition, of the total non-hazardous waste, 43.8% was reused and 3.4% recovered.

The Company is also working on minimising the ecological impact of both daily work in the offices, promoting paperless work spaces and environmentally friendly behaviour, through awareness campaigns, and the operation of the construction projects themselves.

OHL Industrial implemented the OPC tool in the Torre Project (Colombia) and in the implementation phase in the Mantos Blancos Project (Chile). OPC allows for operational control of project documentation on quality and health and safety without the need to print out project information. As a result, paper and ink toner consumption is significantly reduced, and savings are also achieved in waste management itself.

Further information:

- Environmental performance indicators

WATER MANAGEMENT

Water management is always an important issue for OHL, especially in those places where it is a scarce or a difficult resource to access. Therefore, responsible consumption and good use of water resources in projects and activities is encouraged.

An example of these good practices is the reuse of water in construction processes for cleaning roads, which reduces the pollution arising from the emission of dust particles or the reuse of water in watertightness tests, and leads to a reduction in water consumption. OHL also works on the prevention of contamination of water bodies and soil through the timely treatment of spills and protection against discharges of hazardous substances.

Improvement of the ecological status of the river Bečva en Hranic, in the Czech Republic, through the completion of a sewage and storm water drainage system. The system includes two pumping stations and three holding tanks. Thus, the water that drains into the river is pumped and cleaned in a wastewater treatment plant.

OHL gives visibility to its commitment to water management through its membership of the EsAgua platform, an initiative that publicises the Company's good practices in this area, while sharing knowledge with other business organisations and public entities.

Further information:

- Environmental performance indicators

BIODIVERSITY

OHL conceives the protection of the natural environment and the conservation of ecosystems as a priority within the framework of its activity. Therefore, it attempts to minimise the impact on biodiversity by designing and implementing preventive, corrective and compensatory measures that reduce the possible negative effects of operations. It also carries out other actions that favour the defence of protected species to such an extent that in certain profiles of projects and with the biodiversity measures applied, the flora and fauna are improved and native species are recovered.

The Company prepares an annual Biodiversity Report which includes details of the areas affected by OHL's activities and the species threatened by the projects carried out by the Company, according to the categories of the International Union for Conservation of Nature (IUCN). The initiatives that affected biodiversity in 2019 were implemented in Colombia, Spain, Mexico, Peru and the Czech Republic and the total number of affected areas was eight.

In the Cúcuta Metropolitan Aqueduct project (Colombia), a plan was implemented to handle species subject to use or exploitation restrictions present in the area of the project. Individuals of the family *bromeliaceae* and individuals of the family *cactaceae* were rescued and moved. At the same time, as a way of offsetting the loss of habitat for non-vascular epiphytic species, work is underway to rehabilitate an area of two hectares where 1,160 trees of species native to the area will be planted.

In the implementation of the ByPass Road construction project in Quellaveco (Peru), a programme of preventive, mitigating and corrective measures was developed that included rescuing protected species of flora, such as *Polylepis rugulosa*, protecting wildlife burrows and identifying and properly signalling domestic wildlife transit to avoid disturbance.

In order to properly carry out the protection work, technical and practical training was provided to site personnel, in order to avoid risks in the extraction and relocation of the *Polylepis rugulosa* specimens.

During the construction of the new train station in Huelva (Spain), work was performed to preserve the Titán tidal marshes, an outstanding ecosystem close to the construction site. To guarantee their protection, various actions were carried out, such as the recovery of the topsoil for subsequent use in the revegetation programme. In addition, materials were reused and a waste collection point was created for the handling of hazardous waste.

OHL is a member of the Spanish Business and Biodiversity Initiative, promoted by the Ministry for Ecological Transition and the Demographic Challenge. Through this platform, good practices in the field of biodiversity are shared and cooperation on projects with the public authorities and companies is encouraged.

Further information:

- Biodiversity report

SUSTAINABLE CONSTRUCTION

Sustainable construction is a global concept that encompasses not only the efficiency of the construction process and the usability of a building, but also the positive effect on the environment and people's well-being. This is how OHL understands it, which is why it has incorporated the sustainability and energy efficiency criteria of LEED®, BREEAM®, Passivhaus, CES and WELL methodologies into its consolidated know-how in the field of singular building construction.

86% of OHL's sustainable construction projects in Spain and the US are carried out under the LEED® scheme. In Europe, OHL has started the construction of several BREEAM® and WELL projects, as a consequence of the increased demand for buildings that meet the requirements of these certifications.

Thus, to date OHL has built 37 projects with sustainable certification.

Projects that obtained certificates in 2019

PROJECT	COUNTRY	CERTIFICATION
University of Miami	US	LEED® Silver
Pompano Beach Library	US	LEED® Gold
Hotel Actual	Spain	LEED® Platinum
Brilten office building	Spain	LEED® Gold

III.IV. CONTRIBUTION TO SOCIETY

OHL contributes to society throughout the life cycle of the projects performed, by revitalising the local economy -creating jobs and contracting suppliers- and providing an impetus to social initiatives.

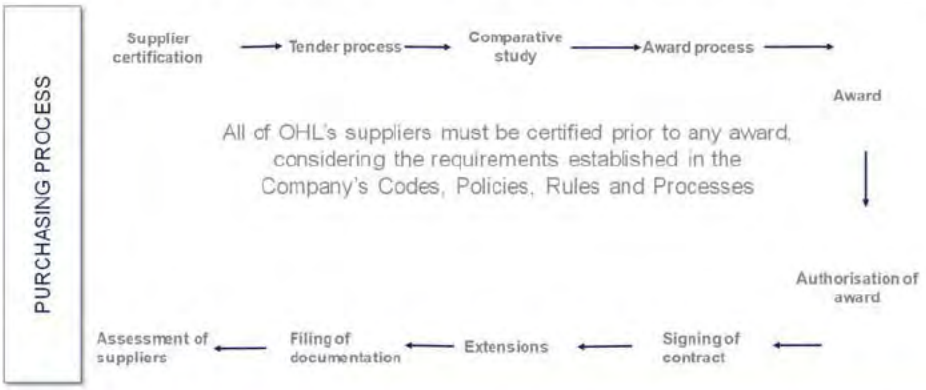
Generated and distributed value (thousands of euros)

	2019	2018
GENERATED ECONOMIC VALUE		
a) Income		
Revenue	2,959,905	2,906,900
Other operating income	86,175	100,903
Finance and other income	22,936	21,737
	3,069,016	**3,029,540**
DISTRIBUTED ECONOMIC VALUE		
b) Operating costs		
Procurements	1,726,202	2,216,741
Other operating expenses	497,187	471,994
c) Employee salaries and benefits		
Staff costs	757,502	814,175
d) Payments to capital providers		
Dividend	0	99,827
Finance costs and exchange differences	54,270	88,561
e) Taxes		
Income tax	21,842	(15,995)
f) Resources allocated to society		
Resources allocated to the community	424.0	843.0
	3,057,427	**3,676,146**

RESPONSIBLE SUPPLY CHAIN MANAGEMENT

OHL's relationship with its suppliers and subcontractors is characterised by the quest for mutual benefit, offering customers work of the highest levels of quality and assurance.

Under this premise, the Company works to enable its supply chain to meet the best sustainability criteria. The supplier certification process is currently being reviewed in order to include new requirements, such as knowledge of and compliance with the Ten Principles of the UN Global Compact, or the Company's internal commitments, such as the Responsible Purchasing Policy.



In the framework of the railway project performed by OHL in Sweden, between Lund and Arlöv (Malmö), one of the most frequently travelled railway routes in the country, one of the requirements taken into account in choosing corrugated iron and concrete suppliers is the carbon footprint of their products, within certain established limits, as well as the availability of an EDP (environmental product declaration).

As a common requirement for all OHL companies, suppliers considered critical are subject to a Third Party Due Diligence analysis, in which their suitability is assessed from the technical, financial and compliance standpoints.

In 2019 purchasing procedures were created in the various geographical areas in order to adapt the regulations to the countries in which the Company operates.

Also, work was carried out to adapt the corporate purchasing tool in order to comply with the supply chain assessment and monitoring procedure, which will be approved in 2020.

As well as improvements to the purchasing tool, progress was also made in improving the approval flow in the area of assessment and monitoring (certification), which has increased approval responsiveness in the purchasing processes, and enabled the adaptation of the irregularities document to the new procedures.

In 2019 work continued on extending the use of the Purchasing IT System (SIC) to all OHL companies. This is a tool used especially in the area of Construction, created to ensure the traceability of the entire purchasing process in terms of documentary and contractual support, as well as the recording of the entire decision-making process, guaranteeing the transparency of the process and the selection of suppliers on an equal opportunity basis.

Lastly, all types of contracts were reviewed in order to adapt them to the regulatory changes at the Company and the obligations assumed by it, minimise risks and improve understanding and systematisation with a view to a better and more effective application thereof.

2019	Number of suppliers	Total purchase volume (€M)*	% local subcontractors
Construction	14,110	1,872.0	98.0%
Industrial	634	178.3	77.0%
Services	2,451	55.6	100.0%
Total	17,195	2,105.9	96.5%

*Including figures on procurements and outside services

2019	Number of suppliers	Total purchase volume (€M)*	% local subcontractors
Spain	4,075.0	960.2	99.9%
Europe	5,670.0	261.1	96.7%
Latin America	2,938.0	205.8	94.6%
North America	4,107.0	654.9	86.3%
Other	405.0	24.0	79.7%
Total	17,195.0	2,105.9	96.5%

*Including figures on procurements and outside services.

GREEN PURCHASES

With respect to the purchases that are made through the Company's general services, environmental management and supplier certification matters are taken into account, aligning them with the objectives of accessibility, sustainability and the safety of OHL's work spaces, adapting to the regulations in force in each country. Also, OHL seeks to establish agreements with suppliers to develop sustainability initiatives on a joint basis.

All purchases of computer and paper consumables are environmentally friendly.

SOCIAL INVESTMENT

Social management, particularly in the context of the work or projects and from a sustainability perspective, is one of OHL's main commitments with respect to its integration in the communities in which it operates.

The Company is aware of the important role it plays in the countries in which it permanently works, not only by developing infrastructure that improves people's quality of life, but also by actively participating in the revitalisation of the economy and local development, all the while protecting and conserving the environment.

Improvement in the conditions of habitability of spaces used by the population of Sol de Septiembre, within the area of influence of the Curicó Hospital (Chile) construction work. Work was performed to repair roofs, paint interiors and exteriors and renovate spaces in residents' centres.

Emphasis is placed on job creation, which is especially significant for low-skilled and highly vulnerable profiles, and on making purchases from local suppliers. Work is also performed with disadvantaged groups, particularly on training and qualification programmes to create opportunities and boost the employability of such groups. To achieve this, the Company has the support of its employees, through corporate volunteering programmes.

OHL promotes equal opportunities for persons with different abilities through volunteering actions which strengthen their social and communication skills. The employees participate with their families. (Spain).

263 employees participate in social projects in Spain, the US, the Czech Republic, Colombia and Chile

1,772 beneficiaries of the projects

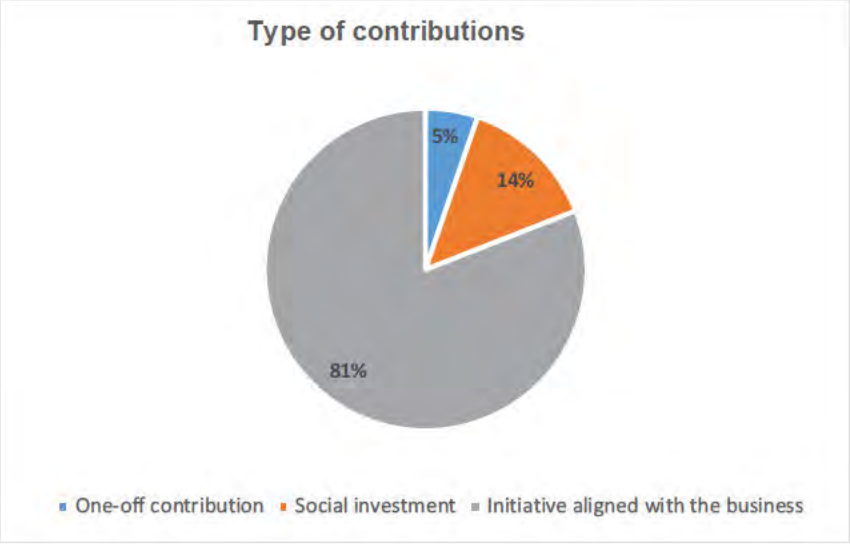
Active work is also performed with other groups, such as children and women who live in the areas of influence of the projects, persons with disabilities and people at risk of social exclusion.

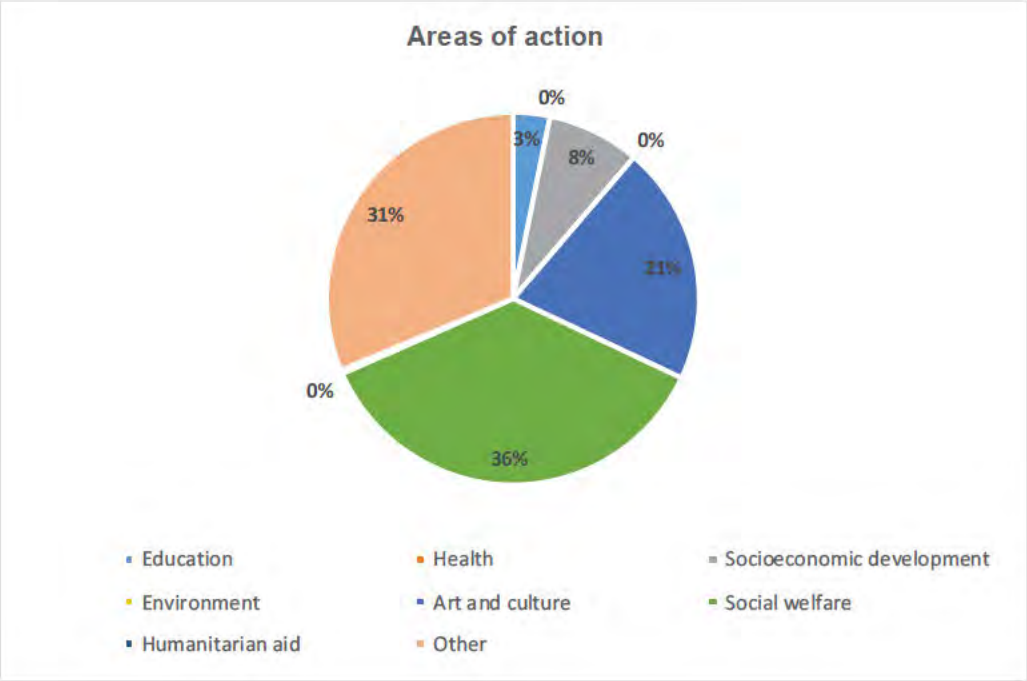
Investment in the community. Cúcuta Aqueduct (Colombia). Cooperation with schools in the communities of Tabiro, Guaduas, Puente Zulia, Carmen Tonchala, El Pórtico, Hibiscos, Los Mangos and Torcoroma de Cúcuta, within the area of influence of the project, which suffer high poverty rates. Workshops on environmental education and road safety are held and donations of material and other gifts are made.

These actions form part of the community integration programme implemented as part of the construction work, which includes: regular informative meetings with the authorities, associations, trade groups and community representatives, among other stakeholders; renovation and improvement of affected areas, with particular attention paid to the environment; and encouragement of local labour, both for high- and low-skilled positions.

In 2019 OHL's social investment amounted to EUR 423.7 thousand, with 33 initiatives and the cooperation of 42 entities.

With respect to the SDGs, the projects performed have focused particularly on compliance with SGD 17, relating to partnerships, to which more than 50% of the actions are related. Also, 28% of the projects are related to the achievement of SDG 8, relating to work.





In 2019 OHL participated in the Forética Social Impact Cluster, a business meeting point designed to provide enhanced information on the impact of social investment initiatives carried out by the Company.

TAX CONTRIBUTION

OHL's contribution to society is also channelled through the payment of taxes, generating a positive impact on the economic and social development of the countries in which it operates.

The Company advocates responsible tax policies, efficiently managing this area to meet its tax obligations whilst continuing to create value for its stakeholders, respecting the legislation in force in the countries in which it operates and anticipating significant tax risks.

Also, OHL manages its tax affairs by always applying good tax practices and its Tax Policy, acting with transparency vis-à-vis its stakeholders.

Further information:

- Financial information. Tax contribution

RELATIONSHIP WITH STAKEHOLDERS AND ALLIANCES

The Company facilitates constant dialogue and interaction with its main stakeholders, through various channels.

In the framework of the quality management system, customer satisfaction is analysed, customer claims are handled and other actions are performed, such as face-to-face meetings with senior

executives, supplier care channels and interaction projects with local communities. In addition, OHL had more than 300 contacts with institutional investors in 2019, as well as meetings and daily communications with the various stakeholders: banks, analysts, small investors and the media, among other players.

Also, OHL participates in associations related to its activity, in order to encourage the exchange of good practices, industry improvement and interaction with other companies and institutions. OHL cooperated with 23 associations in 2019.

COMMUNICATION

With respect to internal communication, one of the Company's main channels is OHL-Link, the OHL Intranet. Furthermore, the Company has the corporate magazine Tecno, through which visibility is given to the important technical challenges faced in the construction projects, and the online bulletin Mosaico, which OHL strengthened in 2019 by promoting new channels for communicating the personal experiences of the Company's employees.

In 2019 OHL's LinkedIn account had over 120,100 followers, and published 160 posts, positively reinforcing the Company's reputation in terms of its values and talent attraction.

In the area of sustainability, the Company has carried out various campaigns to support and divulge the SDGs, such as the "You contribute to the SDGs" initiative or #aliadosdelosODS (SDG allies), promoted by the Global Compact Network Spain. Also, awareness-raising actions were carried out for the International Day of Persons with Disabilities, the International Day for the Elimination of Violence against Women, International Women's Day and World Nature Conservation Day, among others.
In addition, a special campaign was carried out for the COP25 World Climate Summit.

Similarly, work was performed in corporate areas and in each line of business to carry out various internal communication initiatives.

In terms of external communication, OHL has various channels to meet the demand for information from the various media channels.

CHAPTER IV.- GOOD GOVERNANCE AND TRANSPARENCY

I. GOOD GOVERNANCE

I.I. OWNERSHIP STRUCTURE (percentages of ownership at 31 December 2019)

SHAREHOLDER	%
INMOBILIARIA ESPACIO, S.A.	33.317
DAVIS SIMON	3.282
SAND GROVE OPPORTUNITIES MASTER FUND, INC	3.032
OTHER SHAREHOLDERS	60.369

I.II. GOVERNANCE BODIES

Governance bodies

Board of Directors

Composition at 31 December 2019:

Chairman

Juan Villar-Mir de Fuentes (proprietary)

First Deputy Chairwoman

Silvia Villar-Mir de Fuentes (proprietary)

Second Deputy Chairman and CEO

José Antonio Fernández Gallar (executive)

Directors

Carmen de Andrés Conde (independent)

César Cañedo-Argüelles Torrejón (independent)

Javier Goñi del Cacho (proprietary)

Juan Antonio Santamera Sánchez (other non-executive)

Juan José Nieto Bueso (independent) (coordinating director)

Manuel Garrido Ruano (proprietary)

Reyes Calderón Cuadrado (independent)

In 2019 the Annual General Meeting re-elected, at the proposal of the Nomination and Remuneration Committee, Reyes Calderón, independent non-executive director, and, at the proposal of the shareholder Villar Mir Group, Juan Villar-Mir, non-executive proprietary director. Also, the Annual General Meeting resolved to appoint as directors Carmen de Andrés Conde and César Cañedo-Arguelles Torrejón (independent non-executive directors) and José Antonio Fernández Gallar (executive director), ratifying the appointment by co-optation previously agreed upon by the Board of Directors.

Further information in the Annual Corporate Governance Report (ACGR) for 2019 and on the Company's website (www.ohl.es).

Board Committees

Audit and Compliance Committee (ACC)

Composition at 31 December 2019:

Chairman

Juan José Nieto Bueso (independent)

Directors

Manuel Garrido Ruano (proprietary)

César Cañedo-Argüelles Torrejón (independent)

Main business transacted by the ACC in 2019:

- Monitoring of the of the business performance and financial position of the Company and the Group.
- Favourable report to the Board of Directors on the budget for the year and monitoring of budgetary compliance.
- As regards economic and financial reporting, it reviewed, prior to the Board of Directors meeting, the periodic quarterly and half-yearly information, and the separate and consolidated financial statements and directors' reports for the year ended 31 December 2018, for their submission, following approval by the Board of Directors, to the market and the regulatory agency, together with information demanded from the Company by the Spanish National Securities Market Commission (CNMV) and the replies thereto. Review, prior to its authorisation for issue by the Board of Directors, of the Annual Corporate Governance Report for 2018.
- Review and approval of OHL's Tax Report for 2018.
- Analysis of related-party transactions in relevant areas for the Committee.

- In relation to the external auditor, it analysed the independence and proposed appointment of the external auditor; took note of the conclusions of the external auditors and the main matters in their reports on issues in relation to their limited review at June 30 and their review of the 2018 financial statements; and proposed the reappointment of the external auditor for 2019 and reviewed its fees, reporting on the independence of the aforementioned external auditor.
- In relation to the internal auditor, it analysed internal audit reports included in its annual plan and other ad hoc reviews requested by management or the Committee itself during 2019.
- In the risk control area, analysis of the Group's main risks and their evolution.
- With regard to compliance, supervision of the actions of the Compliance Department in relation to the Code of Ethics, surveillance measures, conduct of business and crime prevention and management of incidents reported through the Ethics Channel. In particular, supervision of the work plan established for obtaining ISO 37001 certification (anti-bribery management systems) and UNE 19601 certification (criminal risk compliance management system).
- Self-assessment of the functioning of the Committee.
- Drawing up of the Committee's Annual Report.

Further information in the Annual Corporate Governance Report (ACGR) for 2019 and on the Company's website (www.ohl.es).

Nomination and Remuneration Committee (NRC)

Composition at 31 December 2019:

Chairman

Reyes Calderón Cuadrado (independent)

Directors

Carmen de Andrés Conde (independent)

Juan Antonio Santamera Sánchez (other non-executive)

Juan Villar-Mir de Fuentes (proprietary)

Main business transacted by the NRC in 2019:

- Analysis of, and report to the Board of Directors on, the CEO's variable and extraordinary remuneration, assessing compliance with objectives and criteria.

- Analysis of, and report to the Board of Directors on, the variable and extraordinary remuneration of the OHL Group's senior executives.
- Analysis and reporting of the composition of the Board of Directors in accordance with good governance recommendations.
- Reporting on and proposal of the re-election of independent directors to the Annual General Meeting, considering that they continue to meet the profile and skills required to discharge their office, and assessing and reporting favourably on their suitability.
- Favourable report to the Board of Directors on a new Group organisational chart.
- Favourable report to the Board of Directors on the Board of Directors remuneration report for 2018, verifying that the remuneration policy in force was applied correctly.
- Favourable report to the Board of Directors on the proposal to amend the directors' remuneration policy subsequently approved by the Annual General Meeting.
- Analysis of and report on the amount and nature of the related-party transactions performed in the year in accordance with Group regulations.
- Analysis on the information on sustainability (non-financial information statement) and favourable report thereon to the Board of Directors for its approval and authorisation for issue in the framework of the Group's integrated annual report.
- Self-assessment of the functioning of the Committee.
- Drawing up of the Committee's Annual Report.

Further information in the Annual Corporate Governance Report (ACGR) for 2019.

Incompatibilities and conflicts of interest (Regulations of the Board of Directors)

OHL's Regulations of the Board of Directors regulate situations of incompatibility and conflicts of interest of its directors. They also address, in detail, those situations in which, due to the existence of a possible conflict of interests, the director must inform the Board of Directors of any situation of direct or indirect conflict that they may have with the interests of the Company; and they must refrain from attending and intervening in deliberations and voting that affect matters related to the conflict.

The Company has a specific rule that, implementing the provisions of the Regulations of the Board of Directors and approved by the Board of Directors, reinforces and details the procedures and controls of transactions that the Company or any of the OHL companies wish to carry out with the directors, with the significant shareholders or with persons related to them.

The transactions affected by this procedure are all transfers of resources, services, rights and obligations, regardless of whether or not there is any consideration, made by any of the persons referred to in the previous section, with the Company or with any OHL company.

Neither the directors nor the executives of the Company reported any incompatibility or conflict of interest in 2019. The Company reports in the financial statements and the Corporate Governance Report the significant related party transactions performed by it or by OHL companies with significant shareholders, directors, executives or parties related to them.

Further information in the financial statements and Annual Corporate Governance Report (ACGR) for 2019.

Management Committee

Chairman

José Antonio Fernández Gallar

Second Deputy Chairman and CEO of the OHL Group

Directors

Manuel Álvarez Muñoz

General Manager of the OHL Group

Francisco J. Meliá Fullana

General Manager of Development

José Emilio Pont Pérez

General Manager for Europe and Latin America

José María López de Fuentes

General Manager of Infrastructure Development

Ashok Patel

General Manager for North America

José Antonio de Cachavera Sánchez

General Manager of Services

José María del Cuvillo Pemán*

General Manager of the Legal Department

José María Sagardoy Llonis

General Economic and Financial Manager

Gonzalo Targhetta Reina

General Manager of Organisation and Corporate Resources

*Acts as Secretary.

I.III. DIVERSITY POLICY APPLIED IN CONNECTION WITH THE BOARD OF DIRECTORS

In 2019 the Company was guided by the Director Selection Policy approved in 2017. This policy ensures that proposals for the appointment or re-election of members of the Board of Directors are based on a prior analysis of the Board's needs and, in turn, promote diversity of knowledge, experience and gender.

This policy also defines the mechanisms required to avoid certain biases that deliberately hinder the election of women as potential directors.

In the composition of its Board of Directors, OHL has pre-empted compliance with the condition that 30% of directors be women, thus complying since 2018 with the objective set by the Code of Good Governance for 2020. It therefore consolidates its commitment to gender diversity, both in the composition of the Board of Directors and of its committees.

The presence of women on the Board of Directors remained the same in 2019, with women representing 30% of its total members.

II. ETHICS AND COMPLIANCE

In 2019 OHL renewed its Crime Prevention System and obtained the ISO 37001: Anti-Bribery Management Systems and UNE 1961: Criminal Compliance Management System certifications.

OHL builds its commitment to good business practices around its Code of Ethics, in force since 2010 and arising from the Code of Conduct launched in 2002, its Anti-Corruption Policy and its Crime Prevention Policy. All the foregoing entails compliance with the applicable criminal legislation and anti-corruption regulations.

Also, the Company is a signatory of the UN Global Compact and, accordingly, is committed to working worldwide against corruption and to following the recommendations of international bodies such as the OECD and the good corporate governance practices published by the Spanish National Securities Market Commission (CNMV).

I.I. CODE OF ETHICS

The Code of Ethics, approved by the Board of Directors in 2010 and revised in 2012 and 2015, is an express declaration of the values, principles and behavioural guidelines, in order to:

- Develop the models and guidelines for professional, ethical and responsible behaviour that should guide all the people who make up OHL in the performance of their work.
- Prevent the commission of criminal acts and any unlawful behaviour by the persons bound by this Code in the performance of their professional activity.
- Establish the monitoring and control mechanisms necessary to guarantee compliance with it.

Also, the Code of Ethics constitutes one of the cornerstones of OHL's Corporate Social Responsibility management and is the channel for the development of its corporate values, which are:

- Professional ethics, integrity, honesty, loyalty, efficiency and responsibility vis-à-vis stakeholders, in all the actions of the Company, while at all times fully complying with the law in force.
- Will to succeed and continuous improvement in professional performance, while striving at all times for excellence.
- Transparency in the dissemination of information, which must be adequate, accurate, checked and complete.
- Creation of value with a quest for profitability and sustainable growth.
- Constant promotion of quality, innovation, safety and respect for the environment.

ANTI-CORRUPTION POLICY

OHL has an Anti-Corruption Policy, approved by the Board of Directors in June 2015 and reviewed in July 2019, which reflects the Company's position of zero tolerance for any form of bribery or corruption, in both the public and private sectors.

In October 2019 OHL strengthened its commitment to zero tolerance of corruption with the obtainment of the ISO 37001 certification. This certification, aligned with the Company's integrity and transparency policies, was awarded by AENOR to OHL and ten of its subsidiaries following a comprehensive audit of the measures implemented to prevent, detect and combat practices relating to bribery and corruption. Through this benchmark international accreditation, OHL provides guarantees to its investors, shareholders, employees and other stakeholders in relation to the effective implementation of mechanisms to prevent and eliminate this type of unlawful conduct.

CRIME PREVENTION POLICY

In 2019 OHL updated its 2016 Crime Prevention Model to adapt it to the organisational changes that had occurred since its creation. This resulted in a Crime Prevention System which enables the criminal risks to which OHL is exposed to be eliminated, based on the particular characteristics of its structure and business. The update took into account the criminal risks to which the Company is exposed due to the nature of its activities, as well as regulatory requirements and best practices in the area of compliance.

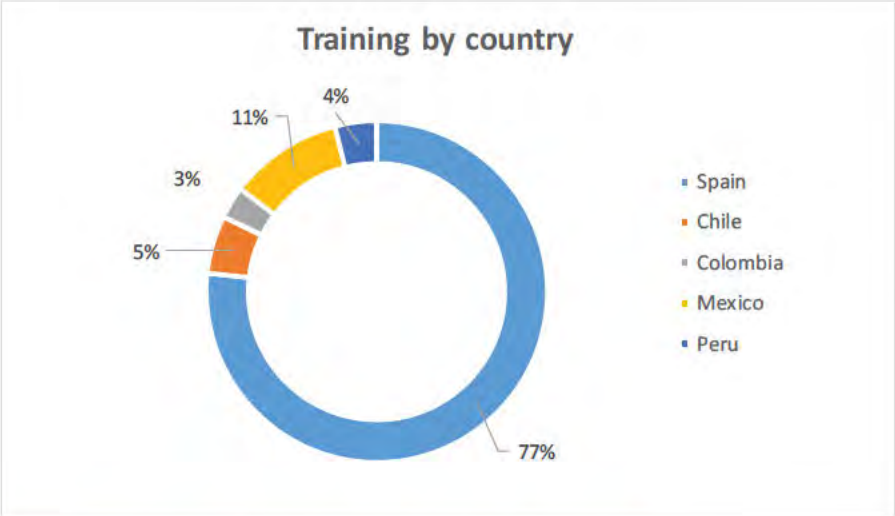
Also, in November 2019 the Company's Board of Directors approved the Crime Prevention Policy and Manual, which replaced the 2016 Crime Prevention Model Handbook. Following this review and adaptation, OHL comprehensively audited this system and, in December 2019, the Company and ten of its subsidiaries obtained UNE 19601 certification awarded by AENOR, which guarantees that the organisation has a model aligned with the requirements of the Spanish Criminal Code and with international compliance standards, thereby helping to create an organisational culture that is sensitive to crime prevention and opposes the bad practices that can give rise to unlawful conduct.

COMMUNICATION AND TRAINING

All OHL employees must know and accept the Code of Ethics, Anti-Corruption Policy and Crime Prevention Policy and, accordingly, an additional clause is included in the employment contract of new hires.

In 2019 specific training was given on the Code of Ethics and the Anti-Corruption Policy, and to date a total of 3,117 people have received training globally, through the course given over the online platform.

In addition, face-to-face training was given to the senior executives and employees in relation to the Crime Prevention System.



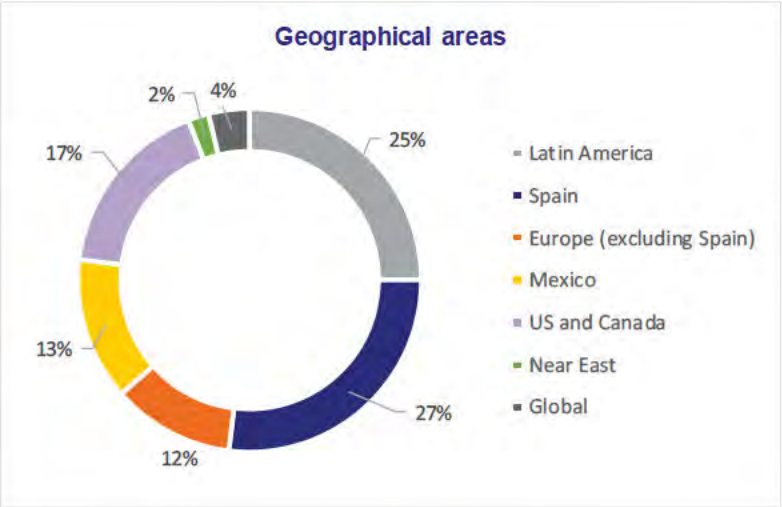
I.II. ETHICAL COMMUNICATIONS CHANNEL

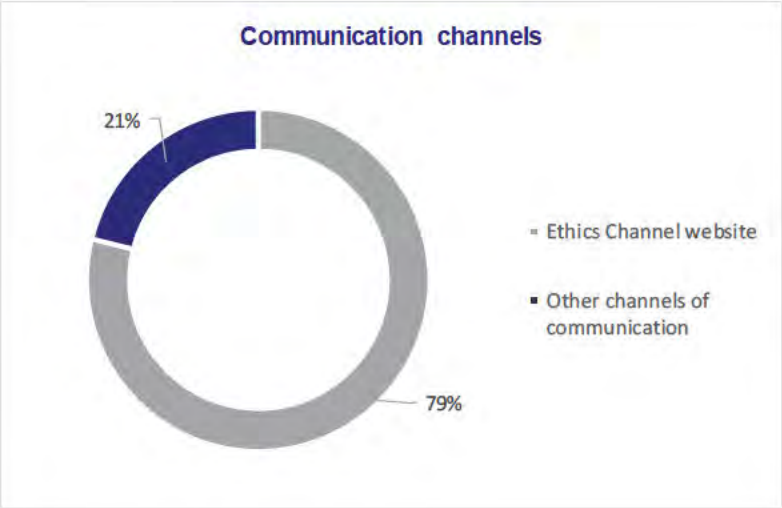
The Ethical Communications Channel is available to all the people that form part of OHL, as well as to the stakeholders that wish to make any consultation or communicate in good faith professional conduct that may involve, by action or omission, irregularities, breaches or acts contrary to the rules and principles set forth in the Code of Ethics or to all the other rules and procedures making up the Company's 's internal regulatory system or to law.

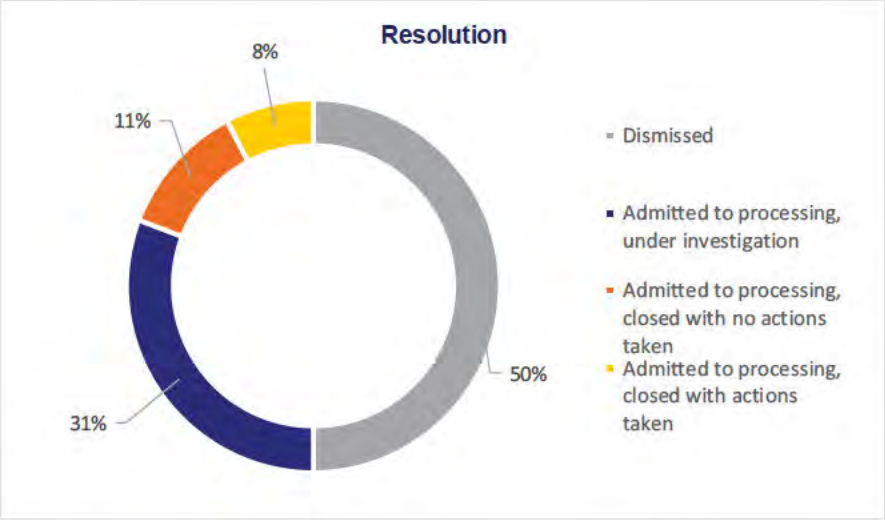
The Audit and Compliance Committee guarantees the proper management of the communications made and ensures that they will be treated with complete confidentiality and in accordance with the internal procedure that regulate its modus operandi. OHL allows complaints to be submitted anonymously. However, in order for such complaints to be deemed eligible for processing, sufficient evidence of the reported facts must be furnished so that the investigation can focus on specific facts. Also, it is responsible for implementing such disciplinary, enforcement and legal actions as might be required until such time as they have been resolved.

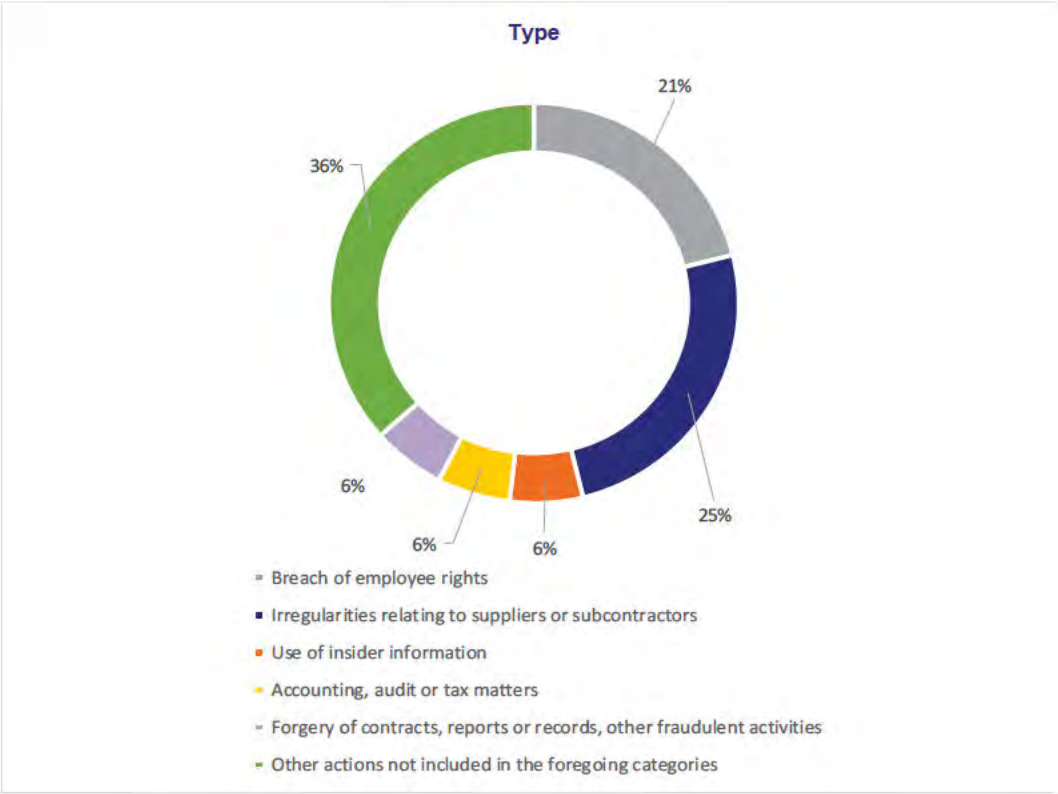
In 2019 a total of 52 communications regarding potential breaches of the Code of Ethics were received (as well as various other consultations), 41 of which were made through the Ethical Communications Channel and the other 11 of which were made through other channels. A total of 26 complaints were admitted to processing and another 26 were dismissed because they did not represent any violation of the Code of Ethics.

All of the complaints admitted to processing were duly investigated and the consultations were answered, in line with the established internal procedures, and 16 consultations were being investigated at the end of the year.


Geographical areas
25%
27%
12%
13%
17%
2%
4%
Latin America
Spain
Europe (excluding Spain)
Mexico
US and Canada
Near East
Global


Communication channels
21%
79%
Ethics Channel website
Other channels of communication


Resolution
8%
11%
50%
31%
Dismissed
Admitted to processing, under investigation
Admitted to processing, closed with no actions taken
Admitted to processing, closed with actions taken



III. THREE LINES OF DEFENCE MODEL

OHL's Internal Control System, following international best practices, is based on combined assurance centred on "three lines of defence", through an integrated vision. The aim of this model is to increase the effectiveness of the internal management and control models to mitigate the entity's significant risks.

III.I FIRST LINE OF DEFENCE. OPERATIONS MANAGEMENT

OHL's management team and professionals directly manage the entity's risks. Company management is responsible for maintaining effective control aligned with the objectives and strategy, which acts on risks efficiently and continuously, and for implementing and maintaining best practices.

III.II SECOND LINE OF DEFENCE. ASSURANCE FUNCTIONS

The Risks and Compliance functions facilitate the application, as a second line of defence, of the basic elements that form the foundations of the Company's internal control system, specifically in relation to risk management and external and internal regulatory compliance, proposing to the Board of Directors sufficient models, systems and methodology and supervising how the first line of defence executes them and the related internal controls.

The Compliance Management functions are as follows:

- Identify legal risks, especially those that stem from the criminal liability of legal persons or entail reputational risks.
- Promote the implementation of the processes necessary to avoid legal breaches related to criminal or reputational risks, and limit, to the extent possible, the cases of criminal liability at the Company, thereby actively contributing to preventing and stopping criminal activity.
- Promote a clear organisational culture, shared by all Company employees at all levels, which is favourable to avoiding conduct liable to trigger any criminal liability on the part of its executives and directors.
- Establish in an objective and demonstrable manner, the control and supervisory measures aimed at avoiding this conduct by employees, at all levels, and propose the disciplinary measures that would be implemented if this conduct were to take place.
- Supervise the existence of a Set of Rules, Policies and Regulations that reasonably guarantee the reliability of the financial information, and compliance with the laws, regulations and policies that apply to the Company.
- Periodically inform the secretary of the Board and the Audit and Compliance Committee of the performance of the Annual Action Plan with regard to its management.
- Establish measures for the prevention of criminal acts in the following areas:
  - ✓ Anti-corruption: crimes of private corruption, bribery and corruption in international commercial transactions.
  - ✓ Cybercrimes: hacking crimes, disclosure of trade secrets and similar offences.
  - ✓ Control during the preparation of financial information: investor fraud crimes.
  - ✓ Market abuse and share price manipulation.
  - ✓ Non-compliance with the Spanish Personal Data Protection Organic Law (LOPD) and the privacy protection regulations.
  - ✓ Money-laundering.
  - ✓ Fraud to obtain subsidies and government aid.
  - ✓ Crimes against natural resources and the environment.
  - ✓ Workplace harassment.
- Enforce the Code of Ethics and propose the review thereof to adapt it to any amendments made to the legal framework prevailing at any given time, ensuring the dissemination and awareness thereof at the Company.
- Propose the approval of the internal regulations implementing the Code of Ethics, which include a disciplinary system for breaches thereof.
- Process the complaints received through the Ethics Channel.
- Promote and oversee the training activities regarding the Code of Ethics.

The main actions performed in 2019 are detailed in the Ethics and Compliance section of this report.

The main functions of the Risk and Internal Control Department established in the OHL Functions Handbook are as follows:

- Coordinate, guide and support the strategic, operational, organisational and regulatory actions concerning risk management across the entire Group.
- Establish the methodologies and tools for preparing the Risk Map and identify and prompt warnings regarding changes in the likelihood and/or impacts of the identified risks.
- Lead the process of identifying and analysing risks that may occur during the performance of OHL's activities, through the preparation and periodic updating of the Risk Map.
- By cooperating with the various businesses, define, implement and update the risk management procedures that are deemed appropriate at Group level.
- Conduct occasional reviews and analyses of the Group's risk exposure associated with transactions that are identified as significant or exceptional.
- Prepare the appropriate reports on OHL's risk position to be reported to the CEO, the Audit and Compliance Committee and/or the Board of Directors of OHL.
- Perform appropriate risk management policy training and dissemination activities at Group level.
- Prepare action proposals to reduce the level of, or exposure to, certain types of risks and to minimise their impact.
- Prepare a preliminary report on the submission of bids and openings of offices or commercial branches in new countries and for any investments that have been proposed in new countries.
- Prepare, document and maintain the Internal Control System, compliance with which by the various OHL business areas ensures that the operational and financial reporting risks are mitigated.
- Identify and communicate the Internal Control deficiencies detected.
- Prepare and present to the CEO and Audit and Compliance Committee the annual risk and internal control planning proposal and periodically report on its execution.

In 2019 progress was made in the following lines of action:

- A Risk Map was drawn up, identifying the main risks that threaten OHL and the measures adopted.

- The Country Risk Model was reviewed to manage participation in projects, the opening of offices, branches and ownership interests in companies or decisions on investments in new markets.
- In order to manage the operational performance risks, there is a system of red lines that mark OHL's risk tolerance level, which was updated in 2019.
- Improvement of the preventive analysis procedure for the management of risks arising from the Company's relationship with third parties (customers, partners, or suppliers/subcontractors considered critical) continued.
- The Risk Management Policy was reviewed.
- The Risk Regulations were reviewed and a new set of regulations was defined, including matters relating to country risk, due diligence, red lines and risk tolerance.
- The Contracting Committee was formally set up; this committee analyses, from a commercial and risk perspective, the main bidding and contracting opportunities. This committee encompasses the Guarantees Committee, which analyses the opportunities from the perspective of the guarantees required.
- The risk management process continued to be implemented for projects at the tendering phase.
- Progress continued to be made with the business management digitalisation tool developed by OHL (Performance & Control) in order to integrate and improve risk management at the project bidding phase.
- Progress continues to be made in the implementation of integrated management tools for projects at the performance phase.

Additional information on the risks arising in 2019 and OHL's risk management can be found in section F of the Annual Corporate Governance Report.

II. III THIRD LINE OF DEFENCE. INTERNAL AUDIT

The Internal Audit Department is an independent, non-executive and objective assurance, internal control and consultation service that is responsible for providing support to the organisation in the effective fulfilment of its responsibilities and objectives. It is subject to the policies established by the Company's Board of Directors through its Audit and Compliance Committee, and its main functions most notably include:

- To review the veracity, reliability and completeness of the financial and operating records and information.
- To report on the proper performance of processes and the efficient use of resources.
- To verify the reliability of the risk management and internal control systems and the quality of the information.
- To review the system of Internal Control over Financial Reporting (ICFR).
- To verify the existence and status of assets and their protection.

- To evaluate the degree of compliance with internal and external rules and procedures.
- To identify deficiencies in internal regulations and propose the implementation of and amendments to existing regulations in order to improve operations.
- To make recommendations to help correct the anomalies detected and monitor their implementation.
- To keep an inventory of fraud risks and the associated controls, and test the effectiveness of those controls on a rotating basis.
- To investigate irregularities reported in the Ethics Channel or detected in other work.
- To participate as a guest on various committees.

The Audit and Compliance Committee reviews all the reports it issues and they are presented at its monthly meetings.

In 2019 audits were carried out in all OHL's divisions and in most of the countries in which operates. The scope of those audits encompasses mainly the following:

- Construction work and Industrial and Development projects.
- Obtainment of indicators and alerts on specific parameters.
- Working capital management system.
- Agreements entered into with Aleática.
- Due diligence reviews of third parties.
- Anti-bribery management systems.
- Crime prevention system.
- Quality of the relevant management data.
- Analysis of project closure.
- Review of amounts to be billed for work performed (ABWP).
- System of Internal Control over Financial Reporting (ICFR).
- Fraud prevention - Purchases.
- Transactions in the US with related partners.
- Review of human rights compliance.

Also, the Internal Audit Department has a specialised unit for preventing and investigating fraud, through which continuous actions were carried out in 2019. Verification of compliance with human rights policies also continued.

For the most significant recommendations and corrective measures, monthly monitoring activities are performed with the members of the Management Committee and in the Annual Internal Audit Report submitted to the Audit and Compliance Committee.

CHAPTER V.- ABOUT THIS REPORT

This report was prepared in order to directly and transparently communicate to all OHL's stakeholders the Company's performance, strategy and all relevant matters to generate value, both in the short and long term. The contents of this report are supplemented by other corporate documents as well as information on its website, www.ohl.es.

I. SCOPE

The scope of this report is the same as that of the consolidated financial statements for 2019, which includes Obrascón Huarte Lain, S.A. and its subsidiaries[2].

II. PREPARATION METHODOLOGY

This report was prepared following the recommendations of the International (<IR>) Framework of the International Integrated Reporting Council (IIRC) and the regulatory requirements in this area set out in Law 11/2018 on non-financial information and diversity. Attention was also paid to the significant matters that may affect the Company's business.

Also, the reporting principles of the Global Reporting Initiative (GRI) standards in their Core version were followed, in order to determine the content (stakeholder engagement, sustainability context, materiality, completeness) and quality (balance, comparability, accuracy, timeliness, clarity and reliability).

[2]Except in the case of the environmental indicators, which include partial information on the activity that OHL carries on in the US. The information not included relates to Arellano companies, namely, OHL Building, a portion of the activity of OHL USA and Judlau. The information not included in the environmental reporting package accounts for 12.3% of the OHL Group's total sales.

PRINCIPLES CONSIDERED FOR PREPARATION OF THE 2019 INTEGRATED ANNUAL REPORT

- Global Reporting Initiative (GRI) standards
- Principles of the International (<IR>) Framework of the IIRC
- Principles of the United Nations Global Compact
- Sustainable Development Goals
- Royal Decree-Law 11/2018, of 28 December, amending the Spanish Commercial Code, the Consolidated Spanish Limited Liability Companies Law approved by Legislative Royal Decree 1/2010, of 2 July, and Spanish Audit Law 22/2015, of 20 July, in the area of non-financial information and diversity.

Lastly, this report includes a contents list which indicates the content of the Non-Financial Information Statement (NFIS), setting out its correlation with the GRI indicators, the Ten Principles of the UN Global Compact and the Company's contribution to the achievement of the Sustainable Development Goals (SDGs).

III. MATERIALITY AND PREPARATION OF CONTENT

As part of process for preparing OHL's new Sustainability Plan, a materiality analysis was conducted, consisting of the following phases:

1) **Internal analysis.** Interviews were held with internal stakeholders from various geographical areas and divisions.

INTERVIEWS WITH THE MANAGEMENT TEAM

40 personal and individual interviews regarding Sustainability and CSR were held with senior executives and corporate and business managers.

INTERVIEWS WITH EMPLOYEES

90 surveys were carried out on a representative sample of employees from various countries, divisions, professional categories and positions.

2) **External analysis.** A comparative study of companies was conducted, sustainability regulations and trends were analysed and interviews were held with external stakeholders.

INTERVIEWS WITH EXTERNAL STAKEHOLDERS

26 Surveys were conducted on a representative sample, segmented by sector:

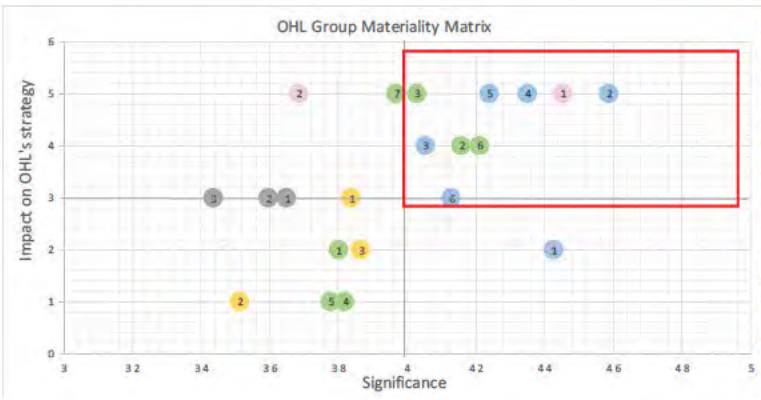
- Construction, energy, consulting, hospitality, pharmaceutical, textile, food and financial companies.
- Non-profit entities specialising in the environment, human rights and social action.
- Business associations in the field of sustainability.
- Business schools and universities.
- Media outlets specialising in sustainability.
- Public authorities.

OTHER CONSIDERATIONS

In addition to the interviews held with stakeholders, other external sources were considered, such as the analysis of sustainability legislation and trends, of which the following were the most notable matters:

- Ethics and Compliance
- Fiscal responsibility
- Customer satisfaction

3) **Definition of strategic pillars.** Following the analysis of the information resulting from the internal and external analyses, a materiality matrix was prepared for significant matters, based on which priority areas of action were defined and specific measures were established for each area, in the framework of the new Plan for 2020-2022.



Energy efficiency	2
Reduction of GHG emissions and the fight against climate change	3
Circular economy reduction of waste generation	6
Attracting and retaining talent	2
Training and encouragement of employability	3
Occupational health and safety	4
Sense of belonging and employment stability	5
Work-life balance measures	6
Respect for and compliance with Human Rights	1

Based on the principles indicated above in the preparation methodology and materiality analysis, and on other considerations arising from external sources, the report presents all the matters that reflect significant economic, environmental and social impacts for OHL and affect the assessments and decisions that the stakeholders might make with respect to their relationship with the Company.

IV. VERIFICATION

Deloitte verified the contents collected and included in this report, following the ISAE 3000 standard with a limited assurance scope.

V. MAIN SIGNIFICANT EVENTS

- 14 March 2019. The Villar Mir Group submits information on its ownership interest in OHL.
- 9 April 2019. Termination of the Río Magdalena toll road (Colombia) and AT-AT toll road (Mexico) agreements by Aleática.
- 17 June 2019. Transactional agreement with the Villar Mir Group and Pacadar.
- 17 June 2019. Transactional agreement with Aleática relating to the AT-AT project to end arbitration proceedings.
- 3 October 2019. Notification of partial resolution of the ongoing arbitration between Qatar Foundation and the joint venture incorporated to construct Sidra Hospital.
- 10 October 2019. Lowering of the credit rating by Fitch Ratings.
- 22 October 2019. Discussions with the Amodio family and the Villar Mir Group.
- 25 October 2019. Possible new shareholder of OHL Desarrollos.

Main significant events / insider information / other relevant, regulated and corporate information after 2019 year-end

- 23 January 2020: Study of a potential merger with the Caabsa Group.
- 4 February 2020: Update of the status of the various corporate transactions.

VI. CONTACT DETAILS

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www.ohl.es / info@ohl.es

CHAPTER VI.- EVENTS AFTER THE REPORTING PERIOD

The events after the reporting period are included in Note 5 to the consolidated financial statements for the year ended 31 December 2019.

CONTENT OF THE NON-FINANCIAL INFORMATION STATEMENT

BUSINESS MODEL	**Description of the Group's business model**	Brief description of the Group's business model, including its business environment, organisation and structure, the markets it serves, its objectives and strategies, and the main factors and trends that may affect its future evolution.	GRI 102-2, 102-4, 102-6, 102-7, 102-15	- I. OHL in a click-I. Group profile-II.I. Value creation model (pages 4-5) - I. OHL in a click - II. Group performance and main milestones in 2019 - II. II. 2019 in Figures (page 6) - II. Strategy - I. Business model -I.I. Business Plan and Short-Term Outlook (pages 13-14) - II. Strategy - I. Business model-I.II. OHL's risks (pages 14-18) - III. Sustainability - I. Sustainability at OHL (pages 39-42) - V. About this report - I. Scope (page 105) - V. About this report - III. Materiality and preparation of content (pages 106-108)
INFORMATION ON THE ENVIRONMENT	**Policies**	Policies applied by the Group, including the due diligence procedures applied to identify, assess, prevent and mitigate significant risks and impacts, and to verify and control them, as well as the measures that have been adopted.	GRI 103-2, 103-3	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) -Quality, Health and Safety, Energy and Environment Policy.
	Main risks	Main risks related to those issues associated with the Group's activities, including, where relevant and proportionate, its commercial relations, products or services that may have adverse effects in those areas, and how the Group manages those risks, explaining the procedures used to identify and evaluate them in accordance with the national, European or international reference frameworks for each issue. This should include information on the impacts that have been identified, giving a breakdown of them, in particular on the main risks in the short, medium and long term.	GRI 102-11, 102-15, 102-30, 201-2	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change. (pages 74-76) - II. Strategy - I. Business model –(pages 13-14) I.II. OHL's risks (pages 14-18) - IV. Good Governance - III. Three Lines of Defence Model (pages 100-104) - V. About this report - III. Materiality and preparation of content (pages 106-108) - Annual Corporate Governance Report E.3

	General	Current and foreseeable effects of the company's activities in relation to the environment and, where applicable, on health and safety	GRI 102-15, 102-29, 102-31	- III. Sustainability - I. Sustainability at OHL (pages 39-42) - III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - IV. Good Governance and transparency - I. Good Governance - I. II. Governance Bodies (pages 90-95) - V. About this report - III. Materiality and preparation of content (pages 106-108)
		Environmental assessment or certification procedures	GRI 102-11, 102-29, 102-30	- III. Sustainability - I. Sustainability at OHL -Management systems (pages 41-42) - III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - IV. Good Governance and transparency - III. Three Lines of Defence Model (pages 100-104) - V. About this report - III. Materiality and preparation of content (pages 106-108)
		Resources dedicated to the prevention of environmental risks	GRI 102-29	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82)
		Application of the precautionary principle	GRI 102-11	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - IV. Good Governance and transparency - III. Three Lines of Defence Model (pages 100-104)
		Provisions and guarantees for environmental risks	GRI 307-1	At 31 December 2019, the Company had not recognised any environmental assets.
	Pollution	Measures to prevent, reduce or repair carbon emissions that seriously affect the environment, taking into account any form of air pollution specific to an activity, including noise and light pollution	GRI 103-2, 302-4, 305-5, 305-7	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change. (pages 74-76) -Appendix IV. Environmental performance indicators (pages 143-150)
	Circular economy and waste prevention and management	Measures for prevention, recycling, reuse, other forms of recovery and disposal of waste. Actions to combat food waste	GRI 103-2, 301-1, 301-2, 303-3, 306-1, 306-2	- III. Sustainability - III. Non-Financial Information - III.III Environment - Circular economy (pages 76-78) -Appendix IV. Environmental performance indicators (pages 143-150)

Sustainable use of resources	Water consumption and water supply according to local constraints	GRI 303-1, 303-3	- III. Sustainability - III. Non-Financial Information - III.III Environment - Water management (pages 79-80) -Appendix IV. Environmental performance indicators (page 143)
	Consumption of raw materials and measures taken to improve the efficiency of their use	GRI 103-2, 301-1, 301-2	- III. Sustainability - III. Non-Financial Information - III.III Environment - Circular economy (pages 76-78) -Appendix IV. Environmental performance indicators (pages 144-145)
	Energy: Consumption, direct and indirect; Measures taken to improve energy efficiency, Use of renewable energies	GRI 103-2, 302-1, 302-3, 302-4	- III. Sustainability - I. Sustainability at OHL -Management systems (pages 41-42) - III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change. (pages 74-76) -Appendix IV. Environmental performance indicators (page 143)
Climate Change	Greenhouse Gas Emissions	GRI 305-1, 305-2, 305-3, 305-4	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change. (pages 74-76) -Appendix IV. Environmental performance indicators (pages 149-150)
	Measures taken to adapt to the consequences of Climate Change	GRI 102-15, 103-2, 305-5	- II. Strategy - I. Business model-I.II. OHL's risks (pages 14-18) - IV. Good Governance - III. Three Lines of Defence Model (pages 100-104) - III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change. (pages 74-76) -Appendix IV. Environmental performance indicators (pages 149-150)

				- Annual Corporate Governance Report E.3
		Reduction targets voluntarily set in the medium and long term to reduce GHG emissions and measures implemented to that end.	GRI 103-2	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82)
	Protection of biodiversity	Measures taken to preserve or restore biodiversity	GRI 103-2	- III. Sustainability - III. Non-Financial Information - III.III Environment - Biodiversity (pages 80-81)
		Impacts caused by activities or operations in protected areas	GRI 304-1	- Appendix V. Biodiversity Report (pages 151-163)
INFORMATION ON SOCIAL AND PERSONNEL ISSUES	**Policies**	Policies applied by the Group, including the due diligence procedures applied to identify, assess, prevent and mitigate significant risks and impacts, and to verify and control them, as well as the measures that have been adopted.	GRI 103-2, 103-3, 102-35	- III. Sustainability. - III. Non-Financial Information - III.I People (pages 59-71) -IV Good Governance and transparency - II. Ethics and Compliance -II.I Code of Ethics (pages 96-98) - Report on Directors' Remuneration - Financial Statements: 4.8.- Remuneration of directors and senior executives and conflicts of interest. -Code of Ethics -Human Resources Policy
	Main risks	Main risks related to those issues associated with the Group's activities, including, where relevant and proportionate, its commercial relations, products or services that may have adverse effects in those areas, and how the Group manages those risks, explaining the procedures used to identify and evaluate them in accordance with the national, European or international reference frameworks for each issue. This should include information on the impacts that have been identified, giving a breakdown of them, in particular on the main risks in the short, medium and long term.	GRI 102-15, 102-30	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) - III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change. (pages 74-76) - II. Strategy - I. Business model (pages 13-14) - I.II. OHL's risks (pages 14-18) - IV. Good Governance and transparency - III. Three Lines of Defence Model (pages 100-104) - V. About this report - III. Materiality and preparation of content (pages 106-108) - Annual Corporate Governance Report E.3

Employment	Total number and distribution of employees by gender, age, country and employee category	GRI 102-7, 102-8, 405-1 b)	- III. Sustainability - III. Non-Financial Information - III.I People (pages 59-61) - IV. Good Governance and transparency - I. Good Governance - I. II. Governance Bodies (pages 90-95) Annual Corporate Governance Report C.1.2. and C.2.1.
	Total number and distribution of types of employment contract	GRI 102-8	- III. Sustainability - III. Non-Financial Information - III.I People (pages 59-61)
	Annual average number of permanent, temporary and part-time contracts by gender, age and employee category	GRI 102-8	- III. Sustainability - III. Non-Financial Information - III.I People (pages 60-61)
	Number of dismissals by gender, age and employee category	GRI 401-1 b)	Appendix I. Other HR aggregates (page 136)
	Average pay and changes therein broken down by gender, age and employee category or equivalent value	GRI 405-2	Appendix I. Other HR aggregates (pages 137-138)
	Salary Gap	GRI 405-2	Appendix I. Other HR aggregates (pages 137-138)
	Remuneration of equal or average jobs at the company	GRI 202-1	The employment terms and conditions of the OHL Group's professionals which are governed by a collective agreement are in accordance with the agreement or in some cases exceed it, so that similar positions have the same remuneration package or a better remuneration package than that established in the agreement.
	The average remuneration of directors and executives, including variable remuneration, attendance fees, indemnities, payments to long-term savings schemes and any other payments broken down by gender	GRI 102-35, 102-36	-Appendix I. Other HR aggregates (page 138) -Report on Directors' Remuneration - Financial Statements: 4.8- Remuneration of directors and senior executives and conflicts of interest
	Implementation of disconnection from work measures	GRI 103-2	- Appendix III – Social benefits of the human team, work-life balance measures and disconnection from work measures (pages 140-142)
	Disabled employees	GRI 405-1 b)	- III. Sustainability - III. Non-Financial Information - III.I People - Diversity and Equal Opportunity (pages 61-63) -Appendix III – Social benefits of the human team, work-life balance measures and disconnection from work measures (pages 140-142)

	Organisation of work	Organisation of working hours	GRI 102-8 c), 103-2	- III. Sustainability - III. Non-Financial Information - III.I People - Profile of the human team (pages 59-61) -Appendix III – Social benefits of the human team, work-life balance measures and disconnection from work measures (pages 140-142)
		Absentee rate	GRI 403-2 a)	-Appendix I. Other HR aggregates (page 135)
		Measures aimed at facilitating the enjoyment of work-life balance and promotion of the co-responsible use of those facilities by both parents.	GRI 103-2, 401-3	-Appendix III – Social benefits of the human team, work-life balance measures and disconnection from work measures (pages 140-142)
	Health and safety	Occupational health and safety conditions	GRI 103-2	- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (pages 67-70)
		Occupational accidents (frequency and severity) broken down by gender	GRI 403-2, 403-3	- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (page 69)
		Work-related ill health (frequency and severity) broken down by gender	GRI 403-2, 403-3	The OHL Group states that there is no proof of the existence of workers whose profession has a high incidence or risk of ill-health.
	Social relationships	Organisation of social dialogue, including procedures for informing, consulting and negotiating with employees	GRI 102-43, 402-1, 403-1	-Appendix II. Information on freedom of association and collective bargaining (page 139) There are no minimum notice periods at OHL Group level. In any case, these are given pursuant to the legislation in each country. All the OHSAS 18001 certified companies have health and safety committees.
		Percentage of employees covered by collective bargaining agreements by country	GRI 102-41	-Appendix II. Information on freedom of association and collective bargaining (page 139)
		Assessment of collective agreements, particularly in the field of occupational health and safety	GRI 403-1, 403-4	- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (pages 67-70) The formal health and safety obligations of employees are covered by the various collective labour agreements entered into by the Group.
	Training	Training policies	GRI 103-2	-III. Sustainability - III. Non-Financial Information. III.I People - Talent Management (pages 65-66)

	Total number of hours of training by employee category	GRI 404-1	III. Sustainability - III. Non-Financial Information. III.I People - Talent Management (pages 65-66) Sustainability -III. Non-Financial Information - III.I People - Health and safety (pages 67-70)
Accessibility	Universal accessibility for persons with disabilities	GRI 103-2	OHL promotes accessibility in the corporate facilities and tools, in order to favour the integration of all groups.
Equality	Measures taken to promote equal treatment and opportunities for men and women	GRI 103-2	- III. Sustainability - III. Non-Financial Information. III.I People - Diversity and equal opportunity (pages 61-63)
	Equality plans	GRI 103-2	- III. Sustainability - III. Non-Financial Information. III.I People - Diversity and equal opportunity (pages 61-63)
	Measures adopted to promote employment	GRI 103-2	- III. Sustainability - III. Non-Financial Information. III.I People - Diversity and equal opportunity (pages 61-63) - III. Sustainability - III. Non-Financial Information. III.I People - Talent Management (pages 65-66)
	Protocols against sexual and gender-based harassment	GRI 103-2	- IV. Good Governance and transparency - III. Three Lines of Defence Model (pages 100-104) -OHL states its absolute rejection and zero tolerance of any behaviour or action that constitutes any form of sexual, moral or gender-based harassment and undertakes to cooperate actively, effectively and firmly in order to prevent, detect, correct and punish any such conduct. OHL has a Protocol for Prevention and Action in cases of Harassment that is governed by the principles of speed, confidentiality, transparency, objectivity, impartiality and respect for the privacy and dignity of employees.
	Universal integration and accessibility for persons with disabilities	GRI 103-2	- III. Sustainability - III. Non-Financial Information. III.I People - Diversity and equal opportunity (pages 61-63) -The OHL Group states that there is no proof of the existence of workers whose profession has a high incidence or risk of ill-health.
	Anti-discrimination and, where applicable, diversity management policy	GRI 103-2, 406-1	- III. Sustainability - III. Non-Financial Information. III.I People - Diversity and equal opportunity (pages 61-63) -IV. Good Governance and transparency- II. Ethics and Compliance -II.I Code of Ethics (pages 96-98) -OHL Group's Code of Ethics

INFORMATION ON RESPECT FOR HUMAN RIGHTS	Policies	Policies applied by the Group, including the due diligence procedures applied to identify, assess, prevent and mitigate significant risks and impacts, and to verify and control them, as well as the measures that have been adopted.	GRI 103-2, 103-3, 410-1, 412-2	- III. Sustainability.- III. Non-Financial Information - III. People - Human Rights (pages 70-71) - I. OHL in a click-I. Group profile-II.I. Value creation model (page 5) -Appendix II. Information on freedom of association and collective bargaining (page 139) -OHL Group's Code of Ethics -OHL Group's Human Rights Policy
	Main risks	Main risks related to those issues associated with the Group's activities, including, where relevant and proportionate, its commercial relations, products or services that may have adverse effects in those areas, and how the Group manages those risks, explaining the procedures used to identify and evaluate them in accordance with the national, European or international reference frameworks for each issue. This should include information on the impacts that have been identified, giving a breakdown of them, in particular on the main risks in the short, medium and long term.	GRI 102-15, 102-30	- II. Strategy - I. Business model -I.II. OHL's risks (pages 14-18) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104) - V. About this report - III. Materiality and preparation of content (pages 106-108)
	Human Rights	Application of human rights due diligence procedures	GRI 103-2	- III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
		Prevention of risks of human rights violations and, where appropriate, measures to mitigate, manage and redress any abuses committed	GRI 103-2, 412-1	- II. Strategy - I. Business model -I.II. OHL's risks (pages 14-18) - III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104) -OHL Group's Human Rights Policy
		Human rights violation whistleblowing	GRI 102-17, 103-2, 411-1, 419-1	- IV. Good Governance and transparency - II. Ethics and Compliance- II.II. Ethical communications channel (pages 98-100)

		Promotion of and compliance with the provisions of the fundamental ILO Conventions relating to respect for freedom of association and the right to collective bargaining, the elimination of discrimination in employment and occupation, the elimination of forced or compulsory labour and the effective abolition of child labour.	GRI 103-2	-Appendix II – Information on freedom of association and collective bargaining (page 139) - IV. Good Governance and transparency - II. Ethics and Compliance (pages 95-100)
INFORMATION ON FIGHTING CORRUPTION AND BRIBERY	Policies	Policies applied by the Group, including the due diligence procedures applied to identify, assess, prevent and mitigate significant risks and impacts, and to verify and control them, as well as the measures that have been adopted.	GRI 103-2, 103-3, 205-2	- IV. Good Governance and transparency - II. Ethics and Compliance (pages 95-100) -Code of Ethics -Anti-Corruption Policy -Crime Prevention Policy
	Main risks	Main risks related to those issues associated with the Group's activities, including, where relevant and proportionate, its commercial relations, products or services that may have adverse effects in those areas, and how the Group manages those risks, explaining the procedures used to identify and evaluate them in accordance with the national, European or international reference frameworks for each issue. This should include information on the impacts that have been identified, giving a breakdown of them, in particular on the main risks in the short, medium and long term.	GRI 102-15, 102-30, 205-1	- II. Strategy - I. Business model -I.II. OHL's risks (pages 14-18) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104) - V. About this report - III. Materiality and preparation of content (pages 106-108) - Annual Corporate Governance Report E.3.
	Corruption and bribery	Measures taken to prevent corruption and bribery	GRI 103-2	- IV. Good Governance and transparency- II. Ethics and Compliance (pages 95-100) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)

		Measures to combat money laundering	GRI 103-2	- IV. Good Governance and transparency- II. Ethics and Compliance (pages 95-100) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
		Contributions to foundations and non-profit entities	GRI 103-2, 201-1, 203-2, 415-1	-III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Social investment and Relations with Stakeholders and Alliances (pages 88-89) The Code of Ethics prohibits any gift, invitation or hospitality to authorities, public officials or individuals exceeding the values set out in the Anti-Corruption Policy.
INFORMATION ON SOCIETY	Policies	Policies applied by the Group, including the due diligence procedures applied to identify, assess, prevent and mitigate significant risks and impacts, and to verify and control them, as well as the measures that have been adopted.	GRI 103-2, 103-3	- III. Sustainability - I. Sustainability at OHL (pages 39-40) - III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society (pages 83-89) -OHL Group's CSR Policy -OHL Group's Responsible Purchasing Policy -OHL Group's Tax Policy
	Main risks	Main risks related to those issues associated with the Group's activities, including, where relevant and proportionate, its commercial relations, products or services that may have adverse effects in those areas, and how the Group manages those risks, explaining the procedures used to identify and evaluate them in accordance with the national, European or international reference frameworks for each issue. This should include information on the impacts that have been identified, giving a breakdown of them, in particular on the main risks in the short, medium and long term.	GRI 102-15, 102-30	- II. Strategy - I. Business model -I.II. OHL's risks (pages 14-18) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104) - V. About this report - III. Materiality and preparation of content (pages 106-108) - Annual Corporate Governance Report E.3.

The company's commitment to sustainable development	Impact of the company's activity in relation to employment and local development	GRI 203-1, 203-2, 204-1, 413-1	- III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society (pages 83-89) - III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Social Investment (pages 86-88)
	Impact of the company's activity in relation to local populations and territory	GRI 203-1, 203-2, 413-1	- III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society (pages 83-89) - III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Social Investment (pages 86-88)
	Relations with local community actors and the avenues of dialogue with them	GRI 102-43, 413-1	- III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - d) Relations with Stakeholders and Alliances (pages 88-89) - III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Communication (page 89)
	Association or sponsorship actions	GRI 102-13, 201-1, 203-1	-III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Social investment and Relations with Stakeholders and Alliances (pages 88-89) In 2019 OHL worked with the following associations: FEPECO, AETOS, GEMSIG, SEMR, GAESCO, AECOM, ABG PERSONAS GALICIA S.L., APECCO, Adquira España, S.A., Cambra Oficial de Contratistes D'Obres de Catalunya, SEOPAN, ACP Cantabria, PTEC, Asociación de Emisores Españoles, Conocimiento y Creatividad S.L.N.E., Forética, Asociación Española para la Calidad, Confederación Asturiana de la Construcción, SEPREM, Instituto de Auditores Internos, Achiles South Europe, S.L. (Protrans), Achiles South Europe, S.L. (REPRO) and AUSAPE.
Subcontractors and suppliers	Inclusion of social, gender equality and environmental issues in procurement policy	GRI 103-3	- III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society -Responsible supply chain management (pages 84-85)
	Consideration in relations with suppliers and subcontractors of their social and environmental responsibility	GRI 102-9, 103-3	- III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society -Responsible supply chain management (pages 84-85)
	Supervision and audit systems and results thereof	GRI 308-1	- IV. Good Governance and transparency - III. Three Lines of Defence Model (pages 100-104)
Consumers	Consumer health and safety measures	GRI 103-2, 416-1	- III. Sustainability - III. Non-Financial Information - III.II Innovation and excellence - Quality management (page 73)

		Complaint systems, grievances received and resolution	GRI 102-17, 103-2	- IV. Good Governance and transparency - II. Ethics and Compliance- II.II. Ethical communications channel (pages 98-100) Sustainability - III. Non-Financial Information -III-II. Innovation and excellence- Quality management (page 73) A total of 600 claims and 382 grievances were received in 2019. OHL considers a claim to be a claim made in relation to a construction work defect, at least three months following delivery to the customer and considers grievances to be those that are made by stakeholders affected by the work performed by OHL during the performance of the work. The claims and grievances of Ingesan México could not be recorded, due to the current data collection format. OHL is working to improve this process in order to include the data in future reports.
	Tax information	Profit or loss by country	GRI 201-1	- III. Sustainability - II. Financial Information -II.III Alternative performance measures - Tax contribution (page 58) -Financial Statements - Note 1.3
		Income tax paid	GRI 201-1	- III. Sustainability - II. Financial Information -II.III Alternative performance measures - Tax contribution (page 58) -Financial Statements - Note 3.22
		Government grants received	GRI 201-4	- III. Sustainability - II. Financial Information -II.III Alternative performance measures - Tax contribution (page 58)

GRI TABLES

GENERAL INDICATORS

SDGs

GENERAL CONTENTS	GLOBAL COMPACT PRINCIPLES	SDGs	Page of report / Response
GRI 101 Foundation 2019			
101 Principles			-V. About this report- II. Preparation methodology (pages 105-108)
GRI 102 General disclosures 2019 Organizational profile			
102-1 Name of the organization			-I. OHL in a click - I. Group profile (page 4)
102-2 Activities, brands, products, and services		16, 17	-II. Strategy - I. Business model (pages 13-14) -I. OHL in a click - I. Group profile-II.I. Value creation model (page 5)
102-3 Location of headquarters			Contact details. (pages 109-110)
102-4 Location of operations			-I. OHL in a click - I. Group profile - I.II Value creation model (page 5) -V. About this report - I. Scope (page 105)
102-5 Ownership and legal form			-IV. Good Governance and transparency - I. Good Governance - I.I. Ownership structure (page 90)
102-6 Markets served		16, 17	-I. OHL in a click - I. Group profile - I.II Value creation model (page 5) -I. OHL in a click - II. Group performance and main milestones in 2019 (pages 6-7) -II. Strategy - I. Business model (pages 13-14)
102-7 Scale of the organization		8	-I. OHL in a click - I. Group profile - I.II Value creation model (page 5) -I. OHL in a click - II. Group performance and main milestones in 2019 - I. 2019 in Figures (pages 8-11) -II. Strategy - I. Business model (pages 13-14) -III. Sustainability - III Non-Financial Information - III.I. People - Profile of the human team (pages 59-61)
102-8 Information on employees and other workers		8	-I. OHL in a click - I. Group profile - I.II Value creation model (page 5) -III. Sustainability - III Non-Financial Information - III.I. People - Profile of the human team (pages 59-61) -IV. Good Governance - I. Good Governance - Governance Bodies (pages 90-95) Appendix I. Other HR aggregates (pages 135-138)
102-9 Supply chain		8, 16	-I. OHL in a click - I. Group profile - I.II Value creation model (page 5) -III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society - Responsible Supply Chain Management (pages 84-85)
102-10 Significant changes to the organization and its supply chain		8, 16	-I. OHL in a click - II. Group performance and main milestones in 2019 - I. 2019 in Figures (pages 8-11) - V. About this report - I. Scope (page 105) -III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society - Responsible Supply Chain Management (pages 84-85)

102-11 Precautionary Principle or approach			- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104) -II. Strategy - I. Business model - I.II OHL's risks (pages 14-18)
102-12 External initiatives			-I. OHL in a click - I. Group profile (page 4) -III. Sustainability - I. Sustainability at OHL (pages 39-40) -III. Sustainability - III. Non-Financial Information - III.I People - Human Rights (pages 70-71) -III. Sustainability - III. Non-Financial Information - III.II Innovation and Excellence - Innovative culture and R&D+i (pages 71-73) -III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - d) Relations with Stakeholders and Alliances (pages 88-89)
102-13 Membership of associations		5, 8, 16	-I. OHL in a click - I. Group profile (page 4) -III. Sustainability - I. Sustainability at OHL (pages 39-40) -III. Sustainability - III. Non-Financial Information - III.I People - Human Rights (pages 70-71) and Health and Safety (page 70) -III. Sustainability - III. Non-Financial Information - III.II Innovation and Excellence - Innovative culture and R&D+i (pages 71-73) -III. Sustainability - III. Non-Financial Information - III.III Environment - Climate change, Water management and Biodiversity (pages 74-82) -III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Social investment and Relations with Stakeholders and Alliances (pages 86-89) In 2019 OHL worked with the following associations: FEPECO, AETOS, GEMSIG, SEMR, GAESCO, AECOM, ABG PERSONAS GALICIA, S.L., APECCO, Adquira España, S.A., Cambra Oficial de Contratistes D'Obres de Catalunya, SEOPAN, ACP Cantabria, PTEC, Asociación de Emisores Españoles, Conocimiento y Creatividad S.L.N.E., Forética, Asociación Española para la Calidad, Confederación Asturiana de la Construcción, SEPREM, Instituto de Auditores Internos, Achiles South Europe, S.L. (Protrans), Achiles South Europe, S.L. (REPRO) and AUSAPE.
Strategy			
102-15 Key impacts, risks, and opportunities			-II. Strategy - I. Business model (pages 13-18) - V. About this report - III. Materiality and preparation of content (pages 106-108) -Annual Corporate Governance Report E.3.
Ethics and integrity			
102-16 Values, principles, standards, and norms of behavior		5, 16	-IV. Good Governance and transparency - II. Ethics and Compliance - II.I. Code of Ethics (pages 96-98)
102-17 Mechanisms for advice and concerns about ethics		5, 16	-IV. Good Governance and transparency - II. Ethics and Compliance - II.II Ethical communications channel (pages 98-100)
Governance			
102-18 Governance structure		5, 16	-IV. Good Governance - Good Governance - Governance Bodies (pages 90-95)
102-19 Delegating authority		5, 16	-III. Sustainability - I. Sustainability at OHL (pages 39-42) - Regulations of the Board of Directors - Mission of the Board. - OHL Group CSR Policy
102-22 Composition of the highest governance body and its committees		5, 16	-IV. Good Governance - I. Good Governance - Governance Bodies (pages 90-95) -Annual Corporate Governance Report C.1.2. and C.1.14.

102-23 Chair of the highest governance body		5, 16	-IV. Good Governance - Good Governance - Governance Bodies (pages 90-95)
102-24 Nominating and selecting the highest governance body		5, 16	- Annual Corporate Governance Report C.1.15
102-28 Evaluating the highest governance body's performance		5, 16	- Annual Corporate Governance Report C.1.17 and C.1.18
102-29 Identifying and managing economic, environmental, and social impacts		5, 16	-III. Sustainability - I. Sustainability at OHL (pages 39-42) -II. Strategy - I. Business model - I.II OHL's risks (pages 14-18) - V. About this report - III. Materiality and preparation of content (pages 106-108)
102-30 Effectiveness of risk management processes		17	-II. Strategy - I. Business model - I.II OHL's risks (pages 14-18) -III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
102-31 Review of economic, environmental, and social topics		5, 16	-IV. Good Governance - Good Governance - Governance Bodies (pages 90-95)
102-32 Highest governance body's role in sustainability reporting		5, 16	-II. Strategy - I. Business model - I.II OHL's risks (pages 14-18) -IV. Good Governance - Good Governance - Governance Bodies (pages 90-95)
102-35 Remuneration policies			-Appendix I. Other HR aggregates (pages 137-138) - Financial statements: 4.8.- Remuneration of directors and senior executives and conflicts of interest. -Report on Directors' Remuneration -Regulations of the Board of Directors of Obrascón Huarte Lain, S.A. Chapter VIII. Remuneration of the CEO. -2018 Remuneration Policy
102-36 Process for determining remuneration			- Report on Directors' Remuneration - Financial Statements: 4.8.- Remuneration of directors and senior executives and conflicts of interest - Regulations of the Board of Directors of Obrascón Huarte Lain, S.A. Chapter VIII. Remuneration of the CEO. - 2018 Remuneration Policy
Stakeholder engagement			
102-40 List of stakeholder groups		17	-III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Relations with Stakeholders and Alliances (pages 88-89) -V. About this report - III. Materiality and preparation of content (pages 106-108)
102-41 Collective bargaining agreements	1.Human Rights 3.Labour standards		- Appendix II. Information on freedom of association and collective bargaining (page 139)
102-42 Identifying and selecting stakeholders		17	-V. About this report - III. Materiality and preparation of content (pages 106-108)
102-43 Approach to stakeholder engagement		17	-III. Sustainability - I. Sustainability at OHL (pages 39-42) -III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Relations with Stakeholders and Alliances (pages 88-89) -V. About this report - III. Materiality and preparation of content (pages 106-108)
102-44 Key topics and concerns raised		17	-V. About this report - III. Materiality and preparation of content (pages 106-108)

Reporting practice			
102-45 Entities included in the consolidated financial statements			-V. About this report - I. Scope (page 105) -Financial Statements: Appendix I and Appendix II
102-46 Defining report content and topic Boundaries			-V. About this report (Pages 105-110)
102-47 List of material topics			-V. About this report - III. Materiality and preparation of content (pages 106-108)
102-48 Restatements of information			-V. About this report - I. Scope (page 105) All restated data were identified and commented on in the report.
102-49 Changes in reporting			-V. About this report - I. Scope (page 105)
102-50 Reporting period			2019
102-51 Date of most recent report			2018
102-52 Reporting cycle			Annual
102-53 Contact point for questions regarding the report			-Contact details. (pages 109-110)
102-54 Claims of reporting in accordance with the GRI Standards		16	-V. About this report - II. Preparation methodology (pages 105-106)
102-55 GRI content index		16	-V. About this report - II. Preparation methodology (pages 105-106)
102-56 External verification		16	Independent Limited Assurance Report

ECONOMIC INDICATORS

GENERAL CONTENTS	GLOBAL COMPACT PRINCIPLES	SDGs	Page of report / Response
GRI 103 Management approach 2019: Economic Performance (201), Market Presence (202), Indirect Economic Impacts (203), Procurement Practices (204), Anti-corruption (205) and Anti-competitive Behavior (206)			
103-1 Explanation of the material topic and its Boundary			-V. About this report - III. Materiality and preparation of content (pages 106-108)
103-2 The management approach and its components			-III. Sustainability - I. Sustainability at OHL (pages 39-42)
103-3 Evaluation of the management approach			-III. Sustainability - I. Sustainability at OHL (pages 39-42) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
GRI 201 Economic Performance 2019			
201-1 Direct economic value generated and distributed		2, 7, 8, 9, 16	-III. Sustainability - III. Non-Financial Information - V. Contribution to Society - Generated and distributed value (page 83)
201-2 Financial implications and other risks and opportunities due to climate change	7. Environment 8. Environment	13	-II. Strategy - I. Business model - I.II OHL's risks (pages 14-18) -III. Sustainability - III. Non-Financial Information - III. Environment (pages 74-82)
201-4 Financial assistance received from government		16	-III. Sustainability - II. Financial Information - III. Alternative performance measures - Tax Contribution (pages 57-58)
GRI 202 Market Presence 2019			
202-1 Ratios of standard entry level wage by gender compared to local minimum wage	6. Labour standards	5, 8, 10	The employment terms and conditions of OHL's professionals which are governed by a collective agreement are in accordance with the agreement or in some cases exceed it, so that similar positions have the same remuneration package or a better remuneration package than that established in the agreement.
202-2 Proportion of senior management hired from the local community	6. Labour standards		89.6 % of OHL's executives abroad are nationals of the country in which they are hired.
GRI 203 Indirect Economic Impacts			

203-1 Infrastructure investments and services supported			-III. Sustainability - III. Non-Financial Information - III.IV. Contribution to Society (pages 83-89)
203-2 Significant indirect economic impacts			-III. Sustainability - III. Non-Financial Information - III.IV. Contribution to Society (pages 83-89) -III. Sustainability - III Non-Financial Information - III.I. People - Profile of the human team (pages 59-61)
GRI 204 Procurement Practices			
204-1 Proportion of spending on local suppliers		5, 8, 16	-III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society -Responsible Supply Chain Management (pages 84-85)
GRI 205 Anti-corruption			
205-1 Operations assessed for risks related to corruption		16	-IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
205-2 Communication and training about anti-corruption policies and procedures		16	-IV. Good Governance and transparency - II. Ethics and Compliance (pages 95-100) - Annual Corporate Governance Report F.1.2. - OHL Group's Anti-corruption Policy
205-3 Confirmed incidents of corruption and actions taken		16	-IV. Good Governance and transparency - II. Ethics and Compliance - II.II. Ethical communications channel (pages 98-100) - Annual Corporate Governance Report F.1.2.
GRI 206 Anti-competitive Behavior			
206-1 Legal actions for anti-competitive behavior, anti-trust, and monopoly practices			The CMNC (Spanish National Markets and Competition Commission) has two cases open in relation to OHL for anti-competitive behaviour. Further information: Financial Statements - Note 3.20 and Note 4.6.2. In 2019 case file S/DC/0598/2016 was resolved and a penalty of EUR 358,740 was imposed on EYM INSTALACIONES, S.A., an OHL Group subsidiary.

ENVIRONMENTAL INDICATORS

SDGs

GENERAL CONTENTS	GLOBAL COMPACT PRINCIPLES	SDGs	Page of report / Response
GRI 103 Management approach 2019: Linked to: Materials (301), Energy (302), Water (303), Biodiversity (304), Emissions (305), Effluents and Waste (306), Environmental Compliance (307), Supplier Environmental Assessment (308)			
103-1 Explanation of the material topic and its Boundary			-V. About this report - III. Materiality and preparation of content (pages 106-108)
103-2 The management approach and its components			-III. Sustainability - I. Sustainability at OHL (pages 39-42) - III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) -Quality, Health and Safety, Energy and Environment Policy
103-3 Evaluation of the management approach			-III. Sustainability - I. Sustainability at OHL (pages 39-42) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
GRI 301 Materials 2019			
301-1 Materials used by weight or volume	7. Environment	8, 12	- Appendix IV. Environmental performance indicators (page 144) - III. Sustainability - III. Non-Financial Information - III.III Environment - Circular Economy (pages 76-78)
301-2 Recycled input materials used	7. Environment 8. Environment	8, 12	- Appendix IV. Environmental performance indicators (pages 144-145)
GRI 302 Energy 2019			
302-1 Energy consumption within the organization		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (page 143)
302-3 Energy intensity		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (page 143)
302-4 Reduction of energy consumption	7. Environment 8. Environment 9.Environment	3, 7, 8, 12, 13, 14, 15	- III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change (pages 74-76) -Appendix IV. Environmental performance indicators (page 143)
GRI 303 Water 2019			
303-1 Water withdrawal by source	7. Environment	3, 6, 8, 12	- Appendix IV. Environmental performance indicators (page 143)

303-3 Water recycled and reused	7. Environment 8. Environment	3, 6, 8, 12	- Appendix IV. Environmental performance indicators (page 143)
GRI 304 Biodiversity 2019			
304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	7. Environment 8. Environment	6, 15	- Appendix V. Biodiversity Report (pages 151-163)
GRI 305 Emissions 2019			
305-1 Direct (Scope 1) GHG emissions		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (pages 149-150)
305-2 Energy indirect (Scope 2) GHG emissions		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (pages 149-150)
305-3 Other indirect (Scope 3) GHG emissions		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (pages 149-150)
305-4 GHG emissions intensity		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (pages 149-150)
305-5 Reduction of GHG emissions	7. Environment 8. Environment 9.Environment	3, 7, 8, 12, 13, 14, 15	- III. Sustainability - III. Non-Financial Information - III.III Environment (pages 74-82) -III. Sustainability - III. Non-Financial Information - III.III Environment - Climate Change (pages 74-76) -Appendix IV. Environmental performance indicators (pages 149-150)
305-7 Nitrogen oxides (NO_X), sulfur oxides (SO_X), and other significant air emissions		3, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (page 150)
GRI 306 Effluents and Waste 2019			
306-1 Water discharge by quality and destination	7. Environment 8. Environment	3, 6, 8, 12	- Appendix IV. Environmental performance indicators (page 144)
306-2 Waste by type and disposal method	7. Environment 8. Environment	3, 6, 12	- Appendix IV. Environmental performance indicators (pages 147-148)
GRI 307 Environmental Compliance 2019			
307-1 Non-compliance with environmental laws and regulations		3, 6, 7, 8, 12, 13, 14, 15	- Appendix IV. Environmental performance indicators (page 146) - III. Sustainability.-I Non-financial information.-VII.III. Environment (page 74)
GRI 308 Supplier Environmental Assessment 2019			
308-1 New suppliers that were screened using environmental criteria		5, 8, 16	- Appendix IV. Environmental performance indicators (page 145)

SOCIAL INDICATORS

SDGs

General contents	Global Compact principles	SDGs	Page of report / Response
GRI 103 Management approach 2019: Linked to: Employment (401), Labour/Management Relations (402), Occupational Health and Safety (403), Training and Education (404), Diversity and Equal Opportunity (405), Non-discrimination (406), Freedom of Association and Collective Bargaining (407), Forced or Compulsory Labor (409), Security Practices (410), Human Rights Assessment (412), Local Communities (413), Supplier Social Assessment(414), Public Policy (415), Customer Health and Safety (416), Marketing and Labeling (417), Customer Privacy (418), Socioeconomic Compliance (419)			
103-1 Explanation of the material topic and its Boundary			-V. About this report - III. Materiality and preparation of content (pages 106-108)
103-2 The management approach and its components			-III. Sustainability - I. Sustainability at OHL (pages 39-42) - III. Sustainability. - III. Non-Financial Information - III.I People (pages 59-71) -IV Good Governance and transparency - II. Ethics and Compliance -II.I Code of Ethics (pages 96-98) - III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71) - III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society (pages 83-89)
103-3 Evaluation of the management approach			III. Sustainability - I. Sustainability at OHL (pages 39-42) - IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
GRI 401 Employment 2019			
401-1 New employee hires and employee turnover	6. Labour standards	5.8	- III. Sustainability - III. Non-Financial Information - III.I People-Profile of the human team (pages 59-61) Appendix I. Other HR aggregates (page 135)
401-3 Parental leave	6. Labour standards	5.8	Appendix I. Other HR Aggregates (page 136)
GRI 402 Labor/Management Relations 2019			
402-1 Minimum notice periods regarding operational changes	3. Labour standards		There are no minimum notice periods at OHL. In any case, these are given pursuant to the legislation in each country.
GRI 403 Occupational Health and Safety 2019			
403-1 Workers representation in formal joint management–worker health and safety committees		3.8	- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (page 67) 72% of OHL's employees are represented on the Health and Safety Committees.
CRE-6 Percentage of the organization operating in verified compliance with an internationally recognized health and safety management system.			- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (page 67)

403-2 Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities		3.8	- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (page 68) -Appendix I. Other HR Aggregates (page 135) In 2019 a fatality occurred among OHL's staff in the Czech Republic. Also, in 2019 a fatality was recorded at a collaborator of OHL in Colombia.
403-3 Workers with high incidence or high risk of diseases related to their occupation		3.8	OHL states that there is no proof of the existence of workers whose profession has a high incidence or risk of disease.
403-4 Health and safety topics covered in formal agreements with trade unions			- III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (page 67)
GRI 404 Training and Education 2019			
404-1 Average hours of training per year per employee		4, 5, 8	- III. Sustainability - III. Non-Financial Information. III.I People - Talent Management (page 66) - III. Sustainability -III. Non-Financial Information - III.I People - Health and safety (page 68)
GRI 405 Diversity and Equal Opportunity 2019			
405-1 Diversity of governance bodies and employees	6. Labour standards	5.8	-III. Sustainability - III. Non-Financial Information. III.I People - Profile of the human team (pages 59-61) -IV. Good Governance - I. Good Governance - II. Governance Bodies (Pages 90-95) -IV. Good Governance - I. Good Governance - III. Diversity policy applied in connection with the Board of Directors (page 95) C.1.3. Annual Corporate Governance Report.
405-2 Ratio of basic salary and remuneration of women to men		5, 8, 10	Appendix I. Other HR aggregates (pages 137-138)
GRI 406 Non-discrimination 2019			
406-1 Incidents of discrimination and corrective actions taken		5, 8, 16	-IV. Good Governance and transparency - II. Ethics and Compliance - II.II. Ethical communications channel (pages 98-100) - Annual Corporate Governance Report F.1.2. OHL states its absolute rejection and zero tolerance of any behaviour or action that constitutes any form of sexual, moral or gender-based harassment and undertakes to cooperate actively, effectively and firmly in order to prevent, detect, correct and punish any such conduct. OHL has a Protocol for Prevention and Action in cases of Harassment that is governed by the principles of speed, confidentiality, transparency, objectivity, impartiality and respect for the privacy and dignity of employees.
GRI 407 Freedom of Association and Collective Bargaining 2019			
407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	6. Labour standards	5, 8, 16	-III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society -Responsible Supply Chain Management (pages 84-85) -IV. Good Governance and transparency - II. Ethics and Compliance - II.II. Ethical communications channel (pages 98-100) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
GRI 408 Child Labor 2019			

408-1 Operations and suppliers at significant risk for incidents of child labor	1. Human Rights 2. Human Rights 4. Labour standards 5. Labour standards	8	-III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society -Responsible Supply Chain Management (pages 84-85) -III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71) - IV. Good Governance and transparency - II. Ethics and Compliance - II.II. Ethical communications channel (pages 98-100) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
GRI 409 Forced or Compulsory Labor 2019			
409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	1. Human Rights 2. Human Rights 4. Labour standards 5. Labour standards	5, 8, 16	-III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society -Responsible Supply Chain Management (pages 84-85) -III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71) - IV. Good Governance and transparency - II. Ethics and Compliance - II.II. Ethical communications channel (pages 98-100) -IV. Good Governance and transparency- III. Three Lines of Defence Model (pages 100-104)
GRI 410 Security Practices 2019			
410-1 Security personnel trained in human rights policies or procedures	1. Human Rights	8.16	- III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71) Security services are outsourced and the information is not available.
GRI 411 Rights of Indigenous Peoples 2019			
411-1 Incidents of violations involving rights of indigenous peoples	1. Human Rights	8.16	OHL did not identify any violations of the rights of indigenous peoples in 2019.
GRI 412 Human Rights Assessment 2019			
412-1 Operations that have been subject to human rights reviews or impact assessments	1. Human Rights 2. Human Rights 4. Labour standards 5. Labour standards 6. Labour standards	8.16	- III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71)
412-2 Employee training on human rights policies or procedures	1. Human Rights	8.16	No human rights training was given in 2019. However, the Company has worked on updating its human rights performance evaluation, which encouraged the raising of awareness at the Company with regard to respecting and complying with human rights requirements, while allowing areas for improvement to be identified. - III. Sustainability.- III. Non-Financial Information - III.I People - Human Rights (pages 70-71)
412-3 Significant investment agreements and contracts that include human rights clauses or that underwent human rights screening	1. Human Rights	8.16	-III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society -Responsible Supply Chain Management (pages 84-85)
GRI 413 Local Communities 2019			
413-1 Operations with local community engagement, impact assessments, and development programs	1. Human Rights	1.17	-III. Sustainability - III. Non-Financial Information - III.IV Contribution to Society - Social Investment (pages 86-88)
GRI 414 Supplier Social Assessment 2019			
414-1 New suppliers that were screened using social criteria	6. Labour standards	5, 8, 16	-III. Sustainability - III Non-Financial Information - I-III.IV. Contribution to society -Responsible Supply Chain Management (pages 84-85)
GRI 415 Public Policy 2019			

415-1 Political contributions		16	The Code of Ethics prohibits contributions to political parties.
GRI 416 Customer Health and Safety 2019			
416-1 Assessment of the health and safety impacts of product and service categories		12	-III. Sustainability - I. Sustainability at OHL - Management systems (pages 41-42)
GRI 417 Marketing and Labeling 2019			
CRE-8 Type and number of sustainability certifications, rating and labeling schemes for new construction, management, occupation and redevelopment.			-III. Sustainability - III. Non-Financial Information - III.III Environment - Sustainable construction (pages 81-82) -II. Strategy-II. Profit/Loss by division-II.V. Services-Success Stories-Implementation of the Ecolabel green label (page 37)
GRI 418 Customer Privacy 2019			
418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data		16	No significant complaints or economic penalties have been received in this connection.
GRI 419 Socioeconomic Compliance 2019			
419-1 Non-compliance with laws and regulations in the social and economic area		16	- Consolidated Financial Statements (Note 4.6 2 Contingent liabilities and guarantees).

APPENDICES

APPENDIX I - OTHER HR AGGREGATES

Employee turnover and new employee hires

	Men	Women	Total
Total departures	7,447	6,183	13,630
Total new hires	7,483	6,184	13,667

Turnover rate: 72.57%

Average age: 42.6
Average length of service: 6.4
Local executives: 89.6%

In calculating the turnover rate, the voluntary departures, dismissals, retirements and departures on termination of contract were taken into account.

Absentee rate

Men	Women	Total
887,491.29	338,482.25	1,225,973.54

For the calculation of absenteeism, the following, inter alia, were taken into account: strikes, absences, temporary disability and paid and unpaid leave.

Parental leave

	Men	Women	Total
Employees who took parental leave	227	154	381
Employees who kept their jobs at the end of their parental leave	197	121	318
Rate of return	87%	79%	83%

*OHL Group scope

Breakdown of employee dismissals

No. of dismissals in 2019: 2,646

Men: 2,287

Women: 359

Breakdown of dismissals in Spain by category, age and gender

				<30		30-45		46-55		>56	
	Total	Men	Women	M	W	M	W	M	W	M	W
Senior executives		0	0								
Senior managers	2	2	0			1		1			
Managers	1	1	0			1					
Supervisors	23	19	4			7	3	4		8	1
Other line personnel	34	20	14		1	12	13	5		3	
Clerical staff	6	3	3	1			2		1	2	
Manual workers	25	16	9			5		8	9	3	
TOTAL	91	61	30	1	1	26	18	18	1	16	1

M: Men / W: Women.

Breakdown of dismissals abroad by geographical area and gender

Geographical area	Men	Women	Total
US	1,152	40	1,192
Europe	45	5	50
Latin America	927	272	1,199
Other	102	12	114
TOTAL	2,226	329	2,555

Wage gap by professional group and business unit (*)

	Construction and Industrial	Services
Senior managers (**)	33.6%	12.6%
Middle management and other line personnel	23.5%	2.8%
Clerical staff and manual workers	14.3%	-1.9%
TOTAL	18.7%	6.1%

(*)Wage gap calculated according to the following formula: "(Average remuneration for men - average remuneration for women) / Average remuneration for men", where a percentage greater than zero represents the percentage by which the average remuneration for women is lower than the average remuneration for men. The calculation of the wage gap includes fixed, variable and in-kind remuneration. The calculations of the wage gap were performed after application of the exchange rate for translation to euros.
(**) The "Senior Managers" professional group includes senior executives, executives and senior managers/managers.
(***) It was not possible to make an accurate comparison with the data reported in 2018 since the reporting format and methodology were modified this year.

Breakdown of average remuneration by business unit, gender and professional group*

	Average remuneration of Senior Managers (EUR) (**)				Average remuneration of middle managers and other line personnel (EUR)				Average remuneration of clerical staff and manual workers (EUR)			
	Men		Women		Men		Women		Men		Women	
	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
Construction	166,362.0	162,994.0	110,505.1	145,730.0	52,411.2	51,247.0	40,099.9	49,108.0	28,250.6	31,061.0	24,199.4	25,730.0
Industrial		135,919.0		77,117.0		24,887.0		28,585.0		8,407.0		17,144.0
Services ***	121,903.2	104,189.2	106,600.0	102,569.4	28,565.8	27,343.8	27,772.5	24,902.4	15,791.0	16,805.8	16,097.7	15,381.6

M: Men / W: Women.
(*) Including fixed, variable and in-kind remuneration. The calculations of the average remuneration were performed after application of the exchange rate for translation to euros.
(**) The "Senior Managers" professional group includes senior executives, executives and senior managers/managers.
(***) The remuneration data corresponding to Services for 2018 were recalculated due to the increased availability of the information of Ingesan España and in order to improve comparability with the data obtained this year.

Breakdown of average remuneration in Construction and Industrial by professional group, age group and gender*

	Under 30 years old		30-45 years old		46-55 years old		Over 55 years old		Total	
	M	W	M	W	M	W	M	W	M	W
Average remuneration of Senior Managers (EUR) (**)	125,000.2		127,975.9	96,550.7	160,207.5	164,164.1	228,258.7	28,436.2	166,362.0	110,505.1
Average remuneration of middle managers and other line personnel (EUR)	41,995.4	33,221.6	47,168.3	39,921.7	57,888.8	46,324.0	66,175.8	43,035.2	52,411.2	40,099.9
Average remuneration of clerical staff and manual workers (EUR)	23,804.4	25,519.2	25,472.8	23,074.5	33,542.9	24,904.2	31,474.7	24,602.2	28,250.6	24,199.4

M: Men / W: Women.
(*) Including fixed, variable and in-kind remuneration. The calculations of the average remuneration were performed after application of the exchange rate for translation to euros.
(**) The average remuneration of the "Senior Managers" professional group includes that of senior executives, executives and senior managers/managers.

Breakdown of average remuneration at Services by professional group, age group and gender*

	Under 30 years old		30-45 years old		46-55 years old		Over 55 years old		Total	
	M	W	M	W	M	W	M	W	M	W
Average remuneration of Senior Managers (EUR) (**)			111,376.1	106,600.0	212,976.8	106,600.0	88,728.4		121,903.2	106,600.0
Average remuneration of middle managers and other line personnel (EUR)	16,229.7	18,040.9	30,194.8	28,107.0	32,913.7	30,017.4	6,445.9		28,565.8	27,772.5
Average remuneration of clerical staff and manual workers (EUR)	12,821.3	13,093.3	16,812.2	14,865.7	16,930.5	16,134.8	14,226.6	17,925.6	15,791.0	16,097.7

M: Men / W: Women.
(*) Including fixed, variable and in-kind remuneration. The calculations of the average remuneration were performed after application of the exchange rate for translation to euros.
(**) The average remuneration of the "Senior Managers" professional group includes that of senior executives, executives and senior managers/managers.

Average senior executive remuneration broken down by gender

	Men	Women
Average remuneration of senior executives (thousands of euros)*	1,228.0	-

* The data considered for the calculation include the fixed, variable and in-kind remuneration and other payments of the members of Senior Management, including the remuneration of the CEO for his executive duties.

Average remuneration of directors broken down by gender

	Men	Women
Average remuneration of directors (thousands of euros)*	131.0	133.0

*The data considered for the calculation include the ordinary and extraordinary remuneration earned by the non-executive directors.

APPENDIX II – INFORMATION ON FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING

INFORMATION ON FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING

OHL participates in the framework agreement with various international trade union federations, advocating absolute respect for human rights and public freedoms.

OHL workers are under the protection of the law, with absolute respect for national legislation and the collective agreements that apply to them. The Company also participates in the negotiation committees for these collective agreements.

In the countries in which it operates OHL works in accordance with the industry regulations in force. If such regulations do not exist, it negotiates the conditions applicable to each workplace with the legal representatives of the workers.

The type of industry agreements signed depends on the type of activity involved. Of particular note are the collective agreements for the construction industry, the iron and steel and metalworking industry, gardening, street cleaning, cleaning of buildings and premises, car parks and garages, engineering companies and technical studios and consulting companies, and public opinion market surveys.

Social dialogue is managed through discussions with trade union representatives and workers' legal representatives, with whom periodic meetings are held. Independently, the Company's Human Resources Department can be contacted directly by them.

The channels used to inform employees are: corporate intranet, bulletin boards in workplaces, communications or e-mails, the corporate newsletter and through the workers' legal representatives.

Country	Employees covered by collective agreements
Spain	9,537
Chile	1,230
Peru	836
US	787
Norway	30
Czech Republic	1,136
Total	**13,556**
Percentage	72%

APPENDIX III – SOCIAL BENEFITS OF THE HUMAN TEAM, WORK-LIFE BALANCE MEASURES AND DISCONNECTION FROM WORK MEASURES

SOCIAL BENEFITS OF THE HUMAN TEAM

In order to offer employees a total remuneration package that allows the Company to enhance its ability to attract and retain talent, the OHL remuneration package includes, in addition to monetary remuneration (fixed and variable), other remuneration in the form of social benefits or remuneration in kind that will be applied, in each of the countries where the Company operates, depending on market practices.

Thus, this concept may include the delivery of products or services such as (i) life and accident insurance, (ii) meal vouchers, (iii) childcare expenses, (iv) health insurance, (v) transport aid, (vi) company car, (vii) social welfare systems or mechanisms that implement pension obligations, (viii) economic aid or (ix) other fringe benefits.

In those countries where social benefits or remuneration in kind are applied, such application is equal to both full-time and part-time employees, regardless of the type of contract.

DIGITAL DISCONNECTION AND WORK-LIFE BALANCE MEASURES

In 2019 OHL published its *Working hours and digital disconnection policy*. The aim of this policy is to maintain productivity levels, while promoting the work-life balance, taking into account the new realities regarding the diversity of the various working environments, mobility outside the workplace and the right to disconnect from work, all in strict compliance with the employment legislation of each geographical area in which the Company operates.

In this context, the Company advocates flexibility, provided that the legal, organisational and productive circumstances allow it, with the local HR managers being responsible for establishing procedures that are in line with both employment legislation and local customs and practices.

Furthermore, in order to respect the right to rest and striking a balance between professional and personal life, OHL is committed to digital disconnection to guarantee employees' rest time and holidays, as well as the personal and family privacy of the entire workforce, limiting the use of tools and technologies provided by OHL outside the actual working day and restricting their use only and exclusively to objectively urgent reasons or according to criteria of responsibility.

PERSONAL, FAMILY AND WORK BALANCE MEASURES

FLEXIBLE WORKING HOURS	At certain OHL offices there is flexibility in terms of times of arrival at and departure from the workplace. There is also flexibility during holiday periods and online training and videoconferencing is encouraged.
SUPPORT FOR THE PERSONAL/FAMILY ENVIRONMENT	**The Employee Assistance Programme (*PAE*)** is a programme available to employees to help them in certain personal circumstances. Advice is offered in private-life situations (partner, children, the elderly, etc.) that require the assistance of expert professionals in each case.
	Family Plan to support children of employees with disabilities through which the Company helps the young with disabilities to enhance their social and work integration and improve their quality of life.
	The "Por ser de OHL" portal, which includes a wide variety of offers, discounts and promotions from which the Company's human team can benefit. **Family days:** Employees' children visit their parents' workplaces.
	Wage supplements for people with officially recognised disabilities and for those employees who have children with disabilities.

* The measures indicated above are applicable to various Group companies and specific groups of employees, and do not apply to the Company's entire workforce.

MEASURES TO BOOST THE QUALITY OF LIFE OF THE EMPLOYEES

Canal Salud: a community for the dissemination of health initiatives and programmes offered on the corporate intranet. In 2019 twelve communications were made on the following topics: glaucoma prevention; natural remedies for colds; tips for seasonal flu; melanomas; sunbathing precautions; world no smoking day; world asthma day; world sleep day; tips for safe travel; Mediterranean diet; headphone precautions; and cardiology.

Periodic health surveillance campaigns: Gynaecological check-ups; urology; seasonal flu campaign; eye health campaigns and regular check-ups.

OHL "Cuídate" Programme: the topics covered in the framework of the programme are stress management, sleep hygiene, healthy eating habits and prevention of diseases, among others. Two workshops took place in 2019: "Tupper saludable" (Healthy Lunchbox) and "Mindfulness", which were attended by 78 of OHL's employees.

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* The measures indicated above are applicable to various Group companies and specific groups of employees, and do not apply to the Company's entire workforce.

OTHER MEASURES FOR THE PERSONAL DEVELOPMENT OF EMPLOYEES

Corporate volunteering: Carrying out corporate volunteering activities, both during working hours and at weekends, so that employees can participate with their families, and especially their children, with activities designed for them on the basis of the age groups involved. Corporate volunteering activities are classified as professional volunteering in which the employee makes his or her knowledge and welfare and leisure volunteering available to vulnerable groups.

APPENDIX IV – ENVIRONMENTAL PERFORMANCE INDICATORS

Energy intensity	Construction	Industrial	Services	Corporate *	Total
Organisation-specific metric Sales (millions of euros)	2,452.3	218.2	275.6	13.8	**2,959.9**
Energy intensity of sales 2019 (GJ/millions of euros)	622.7	380.8	151.0	6,208.3	587.0
Energy intensity of sales 2018 (GJ/millions of euros)	691.3	524.0	98.2	-	668.8
Change in energy consumption	The change in absolute terms is 33% with respect to 2018. This is explained by the inclusion of data relating to the US in the scope. The indicators include partial information on the activity that OHL carries on in that market. The information not included relates to Arellano companies, namely, OHL Building, a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.				

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Total water extraction by source	Construction	Industrial	Services	Corporate *	Total
Surface water (m^3)	947,662.4	221,788.6	0.0	0.0	1,169,450.9
Ground water (m^3)	22,788.9	216,462.1	0.0	0.0	239,250.9
Rainwater (proprietary rain tanks) (m^3)	3,660.0	0.0	0.0	0.0	3,660.0
Recovered water (m^3)	4,955.0	570.0	0.0	0.0	5,525.0
Third-party water (m^3)	224,511.4	2,719.0	222,689.0	69,762.0	519,681.4
Total (m^3)	**1,203,577.6**	**441,539.6**	**222,689.0**	**69,762.0**	**1,937,568.1**

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Total volume of water recycled and reused	Construction	Industrial	Services	Corporate *	Total
Total volume of water recycled and reused (m^3)	4,955.0	570.0	0.0	0.0	5,525.0
Water recycled or reused as a percentage of the total consumed (%)	0.4%	0.1%	0.0%	0.0%	0.3%

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Total waste water discharge by nature and destination	Construction	Industrial	Services	Corporate *	Total
To the land (m³)	4,400.00	0.00	0.00	0.00	4,400.00
To third-party water (m³)	106,187.79	486.39	3,066.86	0.00	109,741.04
To surface water (m³)	122,822.00	24,096.00	0.00	0.00	146,918.00
To seawater (m³)	451,800.00	0.00	0.00	0.00	451,800.00
To ground water (m³)	486.37	717.20	0.00	0.00	1,203.57
Reused by a third party (m³)	2,644.22	0.00	0.00	0.00	2,644.22
Treatment	Discharge to third-party water (main sewer) and subsequent treatment (physical/chemical and biological as a minimum) at a sewage treatment plant.				
Parameters	According to authorisation from and regulations of the country.				

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Materials used by weight or volume	Construction	Industrial	Services	Corporate *	Total
Natural raw materials (quarried earth, rocks and aggregates) (t)	2,593,078.07	115,255.92	0.00	0.00	2,708,333.99
Reused material from external suppliers (aggregates, earth, rocks) (t)	320,353.16	47.60	0.00	0.00	320,400.76
Concrete (t)	1,772,958.29	49,747.50	0.00	0.00	1,822,705.79
Cement (t)	32,449.22	5,250.42	0.00	0.00	37,699.64
Natural topsoil (t)	56,128.99	3.74	0.00	0.00	56,132.72
Bituminous mixtures and tars (t)	1,277,346.96	0.00	0.00	0.00	1,277,346.96
Metals (t)	1,326.83	212.84	0.00	0.00	1,539.68
Reused topsoil from external suppliers (t)	17,196.15	0.00	0.00	0.00	17,196.15
Wood (non-certified forest product) (t)	3,231.03	172.77	0.00	0.00	3,403.80
Paper (unrecycled non-certified forest product) (t)	344.47	3.93	5.97	95.39	449.76
Paints (t)	218.96	2.43	1.87	0.00	223.26
Paper (recycled non-certified forest product) (t)	26.27	6.04	0.09	1.04	33.45
Chemical products (solvents, plant protection products, fertilizers and other) (t)	599.12	227.81	2,388.26	0.00	3,215.19
TOTAL	**6,075,257.51**	**170,931.00**	**2,396.19**	**96.44**	**6,248,681.14**

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Materials used that are recycled input materials	Construction	Industrial	Services	Corporate *	Total
Total (t)	338,902.4	266.5	0.1	-	339,170.0
Percentage (%)	5.6%	0.2%	0.0%	-	5.4%

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	Construction	Industrial	Services	Corporate *	Total
	In 2019 there were eight such protected areas and areas of high biodiversity value outside protected areas. The main impacts are on water, coastal areas, ecosystems and pre-existing fauna and flora. Impacts are controlled through management plans and compensation measures. Further information in the Biodiversity Report.				

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Percentage of new suppliers that were screened using environmental criteria	Construction	Industrial	Services	Corporate *	Total
	All suppliers in the accreditation process are asked for environmental management information. The supplier accreditation process is currently being reviewed in order to include new requirements, such as knowledge of and compliance with the Ten Principles of the Global Compact, as well as environmental commitments such as having a certified environmental management system (ISO 14001, EMAS or equivalent), documentation accrediting their commitment to the environment: contract with a waste manager, consumption control and identification and evaluation of aspects of their activity, among others.				

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Number of environmental complaints that have been filed, addressed and resolved through formal grievance mechanisms	Construction	Industrial	Services	Corporate *	Total
	OHL did not file or address environmental complaints through formal grievance mechanisms in the reporting year or in previous years.				

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano companies, namely, OHL Building, a por ion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

Total weight of non-hazardous waste (NHW), by type and treatment method	Construction	Industrial	Services	Corporate *	Total
NHW by type (t)	**2,195,222.0**	**3,008.1**	**330.8**	**40.0**	**2,198,600.8**
Wood (%)	0.1%	47.9%	0.0%	0.0%	0.2%
Scrap metal (%)	0.1%	27.4%	0.0%	0.0%	0.2%
Vegetable (%)	10.8%	0.0%	87.7%	0.0%	10.8%
Plastics (%)	0.0%	1.8%	3.2%	0.0%	0.0%
Paper and cardboard (%)	0.0%	5.4%	2.9%	100.0%	0.0%
MSW (%)	19.6%	0.7%	6.2%	0.0%	19.6%
Rubble (%)	14.7%	16.4%	0.0%	0.0%	14.7%
Concrete (%)	1.3%	0.2%	0.0%	0.0%	1.3%
Reused topsoil (%)	5.3%	0.1%	0.0%	0.0%	5.3%
Reused input material sourced internally (%)	47.9%	0.0%	0.0%	0.0%	47.8%
NHW by treatment	**2,195,222.0**	**3,008.1**	**330.8**	**40.0**	**2,198,600.8**
Reused (%)	43.9%	42.9%	0.0%	0.0	43.8%
Reclaimed (%)	3.4%	0.3%	0.0%	0.0	3.4%
Landfills (%)	35.1%	17.4%	6.2%	0.0	35.1%
Composting (%)	10.7%	0.0%	87.7%	0.0	10.7%
Recycling (%)	1.9%	38.1%	6.1%	100%	1.9%
Injection (%)	3.9%	0.7%	0.0%	0.0	3.9%
Recovered (%)	0.0%	0.0%	0.0%	0.0	0.0%
Deposits (%)	1.1%	0.3%	0.0%	0.0	1.1%
Other treatments (%)	0.036%	0.1%	0.0%	0.0	0.0%
Non-hazardous waste (NHW) 2018 (t)	**13,634,681.9**	**1,152.9**	**2.5**	**86.7**	**13,635,924.0**

* Including offices

The indicators include par ial informa ion on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

The generation of Non-Hazardous Waste is associated with the type and phase of each of he construction projects. The change between 2018 and 2019 is due mainly to this reason, as well as to the inclusion of data on he activity in the US in 2019.

Total weight of hazardous waste (HW), by type and treatment method	Construction	Industrial	Services	Corporate *	Total
HW by type (t)	80,556.3	113.72	6.93	7.9	80,684.84
Contaminated absorbents (%)	0.0%	11.3%	0.0%	0.0	0.0%
Asbestos (%)	0.0%	0.0%	0.0%	0.0	0.0%
Contaminated sludges (%)	0.0%	27.1%	0.0%	0.0	0.1%
Contaminated metals (%)	0.0%	0.0%	0.2%	0.0	0.0%
Contaminated plastics (%)	0.0%	3.4%	31.2%	0.0	0.0%
Chemical products (%)	0.1%	17.5%	0.3%	0.0	0.1%
WEEE (%)	0.0%	1.5%	11.0%	65%	0.0%
Oily-water mixtures in bilges (%)	0.0%	28.1%	0.0%	0.0	0.1%
Contaminated soil (%)	99.5%	5.1%	0.0%	0.0	99.4%
Other HW (%)	0.3%	6.0%	55.4%	35%	0.3%
HW by treatment	80,556.3	113.7	6.9	7.9	80,684.8
Reused (%)	0.0%	0.0%	0.0%		0.0%
Reclaimed (%)	0.0%	0.0%	0.0%		0.0%
Landfills (%)	28.6%	60.8%	100.0%		28.7%
Composting (%)	0.0%	0.0%	0.0%		0.0%
Recycling (%)	0.2%	0.1%	0.0%	65%	0.2%
Injection (%)	0.0%	0.0%	0.0%		0.0%
Recovered (%)	0.0%	0.0%	0.0%		0.0%
Deposits (%)	71.1%	39.2%	0.0%		71.0%
Other treatments (%)	0.0%	0.0%	0.0%	35%	0.0%
Hazardous waste (HW) 2018 (t)	6,671.6	139.4	7.4	40.4	6,858.8

* Including offices

The indicators include partial information on the activity that OHL carries on in the USA. The information not included relates to Arellano, OHL Building and a portion of the activity of OHL USA and Judlau. The information not included in the reporting package accounts for 12.3% of the OHL Group's total sales.

The generation of Hazardous Waste is associated with the type and phase of each of the construction projects. The change between 2018 and 2019 is mainly due to this reason, as well as to the inclusion of data referring to the activity in the US in 2019.

Emissions by business line	Construction	Industrial	Services	Corporate *	Total
Direct (Scope 1) GHG emissions (tCO_2eq)	101,940.7	4,364.7	2,613.2	4,541.3	113,459.8
Direct (Scope 1) GHG emissions 2018 (tCO_2eq)	81,336.1	5,200.2	2,091.9	3,867.2	92,495.4
Indirect (Scope 2) GHG emissions (tCO_2eq)	10,981.0	2,717.3	100.2	122.6	13,921.2
Indirect (Scope 2) GHG emissions 2018 (tCO_2eq)	6,889.3	2,797.6	87.3	5,266.1	15,040.3
Indirect (Scope 3) GHG emissions (tCO_2eq)	607,713.6	17,463.9	35,443.9	17,030.4	667,652.0
Indirect (Scope 3) GHG emissions 2018 (tCO_2eq)	513,477.6	42,054.4	5,583.3	37,290.3	598,405.6
Intensity of GHG emissions 2019 (Scope 1+Scope 2/Sales (tCO_2eq/Millions of euros)	46.0	18.6	9.8	337.96	43.0
Intensity of GHG emissions 2018 (Scope 1+Scope 2/Sales (tCO_2eq/Millions of euros)	58.8	42.1	8.2	-	55.00
Reduction of GHG emissions	There was 14% a change in emissions (Scope 1+Scope 2+Scope 3) in absolute terms with respect to 2018, a year in which the US market was not included and, accordingly, the analysis of the change does adequately reflect the comparability of the changes in emissions.				

* Including offices

OHL's emissions by source	(t) CO_2	(t) CH_4	(t) N_2O	(t) CO_2eq
Outside scope	-	-	-	-
Scope 1: Stationary combustion	35,241.4	3.9	0.2	35,405.9
Scope 1: Mobile combustion	76,782.1	4.1	4.3	78,053.9
Scope 1: Fugitive and process emissions				
Waste water treatment	-	-	-	
Use of fertilisers	-	-	-	
Refrigerant gases	-	-	-	
Insulating gases				
Total Scope 1	112,023.5	8.0	4.5	**113,459.9**
Scope 2: Imported electricity	13,921.3	-	-	13,921.3
Total Scope 2	13,921.3	-	-	**13,921.3**
Scope 3: Purchases of goods and services				397,648.9
Materials	-	-	-	397,648.9
Subcontractors: Stationary combustion	-	-	-	-
Subcontractors: Mobile combustion	-	-	-	-
Capital goods	-	-	-	-
Scope 3: Fuel-energy activities				2,035.7
T-D electricity losses	1,052.5	-	-	1,052.5
Electricity generation losses	983.2	-	-	983.2
Scope 3: Waste generated	-	-	-	256,821.8
Scope 3: Business travel	8,792.4	1.8	44.7	21,145.7
Hotel stays (nights)	-	-	-	451.1
Transport	8,792.4	1.8	44.7	21,145.7
Scope 3: Employee mobility	-	-	-	-
Total Scope 3	10,828.1	1.8	44.7	**677,652.0**

The results dumped for HFC and SF6 emissions are not significant in the global calculation of emissions.

The emission factors used for the calculation of OHL's CO_2eq emissions were updated in 2019 with the main national and international reference sources.

Nitrogen oxides (NO_X), sulphur oxides (SO_X), and other significant air emissions by type and weight	Total
Emissions of NO_X (t)	149.9
Emissions of SO_X (t)	180.5
Emissions of VOCs (t)	13.8
Emissions of particulate matter (PM) (t)	27.7

APPENDIX V - BIODIVERSITY REPORT

I. INTRODUCTION

Description of the Company

Obrascón Huarte Lain, S.A. (OHL) is a global infrastructure group with more than 100 years of history and whose activity is centred on the construction and development of concessions focusing on three geographical areas: US, Europe and Latin America.

Objective of the study

OHL engages mainly in the construction of all manner of civil engineering works and buildings, including the related installations. The Company's activities are carried on in a geographical area with varying degrees of impact on ecosystems, landscapes and species, during all the phases of the projects.

OHL operates under the principle of protecting natural resources and biodiversity through the application of an environmental management system, compliance with legislation and the implementation of good conservation and ecological restoration practices.

The Company's work can be carried out within, or adjacent to, protected areas and areas of high biodiversity value outside protected areas. In 2019 there were eight such protected areas and areas of high biodiversity value outside protected areas. The main impacts are on water, coastal areas, ecosystems and pre-existing fauna and flora. Impacts are controlled through management plans and compensation measures.

In connection with biodiversity and the impacts arising from the occupation of land of its operations, OHL has implemented soil protection measures in an area of 51 hectares, and has restored 68 hectares of land.

In terms of biodiversity, the activity carried out in 2019 by OHL affected 314 species of fauna and flora, included in the Red List of Threatened Species of the International Union for Conservation of Nature (IUCN).

The measures are approved by government agencies or independent external professionals, in accordance with the requirements established in the permits, contracts and environmental impact procedures.

Biodiversity activities

In order to avoid and minimise impacts on the environment and its biodiversity, the appropriate location of auxiliary facilities is guaranteed, vulnerable zones are defined and preventative, corrective and awareness-raising measures are designed and implemented.

In addition, attention is paid to a series of specific protection actions and principles, such as:

Specific actions on **vegetation**:

- Adequate management of vegetation and control of protected species, avoiding the spread of invasive species.
- Procedure to ecologically restore damaged specimens through plantations, transplants, hydroseeding, etc.

Specific actions on fauna:

- Discouragement of the presence of fauna in areas where species might be at risk and alert workers or users of its presence.
- Minimisation of the barrier effect generated by infrastructure.
- Avoidance of the spread of invasive species.

Principles governing protection against erosion and sedimentation:

- Limitation of the duration of operations such as earthworks and the extent of the land affected. Stabilisation of altered surfaces.
- Protection of surfaces exposed to torrential rainfall and assurance that runoff water speeds are low.
- Retention of sediments inside facilities, thereby preventing silting.

Principles governing the protection of terrestrial, freshwater, or maritime ecosystems:

- Design and maintenance of drainage works to avoid affecting the hydrological network/basin.
- Control of the effects of water collection, minimising consumption and activities with direct interaction on watercourses.
- Adequate management of waste and protection of ecosystems from the effects of leachate.
- Avoidance of impacts due to discharges, monitoring the quality of water and controlling aquatic fauna.

II. PRESENCE IN PROTECTED AREAS

Europe:

Parque Regional del Sureste. Madrid, Spain. With a permanent presence

- Biodiversity value: regional park.
- Position in relation to the protected area: in the area.
- **Type of operation**: production. Production of hot and cold bituminous mixtures.
- **Size of operational site**: 9 hectares.
- **Possible impacts and protection measures**: the possible associated impacts are air and soil pollution. These are non-significant impacts, controlled by means of emission measurements, control of particles in suspension and treatment of discharges with periodic control of the quality of the water discharged.

- **Facility**: asphalt plant. Madrid.

SPA Cereal producing areas of the Jarama (Madrid) and Henares (Guadalajara) rivers. SCI/SAC Jarama and Henares river basins. Spain

- **Biodiversity value:** SPA – SCI/SAC.
- **Position in relation to the protected area**: adjacent to the area.
- **Type of operation**: construction.
- **Size of operational site:** 7.4 hectares.
- **Possible impacts and protection measures**: possible impacts are associated with the emission of (severe) noise and with the alteration of air quality, soil contamination, occupation and elimination of land, alteration of fauna and flora, occupation of uplands and alterations to the landscape. These are moderate impacts that are reduced or minimised after the application of preventive, corrective and compensatory measures, such as minimising the surface area of occupation, adapting implementation to the life cycles of the species, etc.
- **Project:** Reinforcement of the eastern branch. Torrelaguna. Madrid.

Parque Natural Los Alcornocales. SAC Guadiaro and Hozgarganta rivers. Area of importance for birdlife, Las Cabras, El Aljibe and Montecoche mountain ranges. Cádiz, Spain

- **Biodiversity value:** Natura 2000. Plan for Areas of Natural Interest (PEIN) of Catalonia.
- **Position in relation to the protected area**: affects a section of the protected area.
- **Type of operation**: construction.
- **Size of operational site:** 2.27 hectares.
- **Possible impacts and protection measures**: the possible associated impacts are the loss of water quality, accidental discharges, modification of the morphology of the area, increased erosion processes, elimination of plant cover, etc. These are not significant impacts, which are controlled by installing sedimentation barriers, marking out the vegetation and constructing fauna crossings, among other measures.
- **Project:** Bobadilla-Algeciras railway line. Cádiz

SCI River Tinto estuary. Huelva, Spain

- **Biodiversity value:** protected area. Natural park.
- **Position in relation to the protected area:** in the area.
- **Type of operation**: construction.
- **Size of operational site:** 15 hectares.
- **Possible impacts and protection measures:** the possible impacts are associated with air pollution, consumption of materials and resources, water quality and waste management. These are not significant impacts, thanks to the application of protection measures such as speed limits, vehicle and machinery limitations, irrigation, low consumption lighting, fortnightly noise measurements, etc.

- **Project:** Juan Carlos I Dyke. Huelva.

Barranco del Bolintxu. Monte Pagasarri. Bilbao, Spain

- **Biodiversity value:** area of high natural value and beauty.
- **Position in relation to the protected area:** in the area.
- **Type of operation**: construction.
- **Size of operational site:** 0.001 hectares.
- **Possible impacts and protection measures:** the possible impacts are associated with the effects on bodies of surface water, loss of water quality, loss of landscape value, modification of the relief, generation of noise, barrier effect, etc. These impacts are controlled through the application of corrective measures and controls such as the replanting of the affected area, waterproofing of waste collection areas, the installation of fines retention systems, etc.
- **Project:** UTE Seberetxe. Bilbao.

Křivoklátsko Protected Landscape Area Czech Republic

- **Biodiversity value:** protected landscape area.
- **Position in relation to the protected area:** in the area.
- **Type of operation**: construction.
- **Size of operational site:** 0.04 hectares.
- **Possible impacts and protection measures:** possible impacts are associated with air pollution, water quality, waste management and effects on flora and fauna. These impacts are controlled thanks to the application of corrective measures such as the protection of flora, respect for the life cycles of fauna, speed limits for vehicles and machinery, etc.
- **Project:** III/23621 Karlova Ves. Czech Republic.

Latin America:

La Marquesa National Park (Parque Nacional Insurgente Miguel Hidalgo y Costilla). Mexico

- **Biodiversity value:** protected area. National park.
- **Position in relation to the protected area**: in the area.
- **Type of operation**: construction.
- **Size of operational site:** 8 hectares.
- **Possible impacts and protection measures:** the possible impacts relate to the loss of habitat for species of flora and fauna. The protection measures are aimed at the implementation of a fauna rescue and relocation programme. In addition, it is planned to reforest areas affected by the project.

- **Project:** Toluca train. Mexico.

Pachacutec Historical Archaeological Sanctuary, Pachacamac. Peru

- **Biodiversity value:** historical and cultural value. Historical sanctuary.
- **Position in relation to the protected area**: in the area.
- **Type of operation**: construction.
- **Size of operational site:** 9.5 hectares.
- **Possible impacts and protection measures**: the possible impacts are related to the effect on the historical heritage and the fauna and flora. The conservation and safeguarding of the sanctuary, through the elaboration of conservation protocols for social use, archaeological research, and management and administration.
- **Project:** National Archaeological Museum. Peru

III. IMPACTS ON ENDANGERED SPECIES

The activities carried on in 2019 by OHL affected **314 species of fauna and flora**, included in the Red List of Threatened Species of the International Union for Conservation of Nature (IUCN) and other regional or local protected species lists. Therefore, the conservation status of these species is analysed and impacts are controlled through the application of various preventive and corrective measures.

	No.	LOCATION
Critically endangered species	3	Colombia, Spain and Mexico
Endangered species	8	Colombia, Spain, Mexico and Peru
Vulnerable species	18	Colombia, Spain and Peru
Near threatened species	18	Spain and Mexico
Species of less concern	265	Colombia, Spain, Mexico and Peru
Other species for which there are insufficient data	2	Spain
Species with no defined level of extinction risk	0	---

IV. IMPACTS ON PROTECTED SPECIES

Critically endangered species

European mink (*Mustela lutreola*)

- **Level of extinction risk:** Critically endangered (CR).
- **Location of the population:** there are specimens of *Mustela lutreola* in Spain, France, Romania, Russia and the Ukraine. Population trend: decline.
- **Habitat and ecological features:** the European mink is semiaquatic. It densely inhabits vegetation on the banks of rivers, streams and sometimes lakes. It hunts in riverside areas and in water various species of amphibians, crustaceans, fish, small mammals, insects and birds.
- **Threats:**
    - Hunting and trapping of land animals.
    - Domestic and urban wastewater.
    - Agricultural and industrial discharges.
    - Navigation routes.
    - Invasive species and diseases.
    - Forestry.
    - Roads and railways.
    - Water management and use. Dams.
    - Livestock.

- **Conservation measures:**

  A portion of the population is in protected areas. Within a conservation breeding programme in Spain, since 2004:

    - Habitat protection.
    - Habitat management.
    - Habitat restoration.
    - Reintroduction of species.
    - Training and awareness-raising programme.

Common splayfoot salamander (*Chiropterotriton chiropterus*)

- Level of extinction risk: Critically endangered (CR)
- Location of the population: *Chiropterotriton chiropterus* is endemic to Mexico. Population trend: decline.
- Habitat and ecological features: it lives mainly on bromeliads and mosses in the shady forests.
- Threats:
  - Logging and timber harvesting.
  - Tourism and recreational areas.
  - Housing and urban areas.
  - Annual and perennial non-timber crops.
  - Fires and fire extinction.
- Conservation measures:
  Species protected by Mexican legislation under the category of Special Protection (Pr).
  - Habitat and resource protection
  - Habitat management

Lesser Antillean iguana (*Iguana delicatissima*)

- Level of extinction risk: Critically endangered (CR)
- Location of the population: found in the Lesser Antilles. Population trend: decline.
- Habitat and ecological features: they live in xeric thickets, dry thickets, coastal forests, river forests, mangroves and tropical forests.
- Threats:
  - Housing and urban areas.
  - Recreational and tourism areas.
  - Non-wood crops.
  - Livestock.
  - Roads and railways.
  - Hunting and trapping of land animals.
  - Invasive species and diseases.
- Conservation measures:
  The species is listed in Appendix II of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). The species is found in several

nationally protected areas, including the four national parks in Dominica, Les Îles de la Petite Terre (Guadeloupe), Quill and Boven in St Eustatius and Îlet Chancel and the Réserve Biologique Domaniale de la Montagne Pelée (Martinique).

- Recovery plan.
- Identification of conservation areas.
- Reintroduction of species.
- Subject to trade and management controls.
- Inclusion in international legislation.
- Education and awareness-raising programmes.

Endangered species

White-footed tamarin (*Saguinus leucopus*)

- Level of extinction risk: Endangered (EN)
- Location of the population: found in Colombia. Population trend: decline.
- Habitat and ecological features: found in primary and secondary forests, in gallery, tropical dry, tropical humid and very humid premontane forests and in some urban areas.
- Threats:
  - Non-wood crops.
  - Livestock.
  - Mining and quarrying.
  - Logging and timber harvesting.
  - Hunting and trapping of land animals.
  - Water management and use. Dams.
- Conservation measures:

  Species listed in Appendix I of CITES and on the US Endangered Species List:
  - Ex-situ conservation.
  - Systematic monitoring.
  - Subject to trade and management controls.
  - Inclusion in international legislation.

Morelos salamander (*Pseudoeurycea altamontana*)

- Level of extinction risk: Endangered (EN)
- Location of the population: *Pseudoeurycea altamontana* is endemic to Mexico. Population trend: decline.
- Habitat and ecological features: this species lives in pine, oak and fir forests and does not tolerate serious habitat disturbance. It is terrestrial and found under the bark of logs and stumps, and under rocks.
- Threats:
  - Logging and timber harvesting.
  - Housing and urban areas.
  - Annual and perennial non-timber crops.
  - Fires and fire extinction.
- Conservation measures:

  This species is found in Lagunas de Zempoala National Park, Iztaccihualtl Volcano and Popocatépetl. It is protected by Mexican law under the category of Special Protection (Pr).
  - Protection of the area.
  - Monitoring of the population trend.

Mountain stream salamander (*Ambystoma altamirani*)

- Level of extinction risk: Endangered (EN)
- Location of the population: there are isolated populations of *Ambystoma altamirani* in the west and south of the valley of Mexico. Population trend: decline.
- Habitat and ecological features: the species lives and breeds in small, permanent streams that flow through high altitude pine or pine-oak forests. It is also found in streams and in clear pastures
- Threats:
  - Industrial and military discharges.
  - Agricultural discharges.
- Conservation measures:

  The species is found within the three lagoons of the Ciénegas de Lerma Protected Area and is protected under the category Pr (Special Protection) by the Government of Mexico.
  - Habitat protection and management.
  - Habitat restoration.

Blackbelly garter snake *(Thamnophis melanogaster)*

- Level of extinction risk: Endangered (EN)
- Location of the population: *Thamnophis melanogaster* is an aquatic species from Mexico. Population trend: decline.
- Habitat and ecological features: it is an aquatic species, commonly found in low streams, wooded areas and deciduous forests.
- Threats:
  - Industrial and military discharges.
  - Agricultural discharges.
- Conservation measures:
  This species can be found in several protected areas.
  - Habitat protection and management.
  - Habitat restoration.

Black-bellied sandgrouse (*Pterocles orientalis*)

- Level of extinction risk: Endangered (EN)
- Location of the population: there are isolated populations of *Pterocles orientalis* in certain European countries such as Belgium, Germany, Greece, etc. The population trend is downwards.
- Habitat and ecological features: the species inhabits grassland steppes, open steppes, treeless or pseudo-steppes, foothills and highland plateaus.
- Threats:
  - Hunting and trapping of land animals.
  - Livestock.
  - Changes to ecosystems.
  - Annual and perennial non-timber crops.
  - Agricultural discharges.
- Conservation measures:
  Species listed in Appendix I of the European Union Bird Directive and Appendix II of the Bern Convention.
  - Habitat and resource protection.
  - National and international legislation.

Egyptian vulture (*Neophron percnopterus*)

- Level of extinction risk: Endangered (EN)
- Location of the population: unevenly distributed species in southern Europe. Population trend: decline.
- Habitat and ecological features: migratory species.
- Threats:
  - Hunting and trapping of land animals.
  - Changes to ecosystems.
  - Recreational activities.
  - Diseases of native species.
  - Annual and perennial non-timber crops.
  - Generation of renewable energies
  - Agricultural discharges.
  - Roads, railways and service lines.
- **Conservation measures:**

  Species included in the Convention on Conservation of Migratory Species of Wild Animals (Appendices I and II).
  - Habitat protection and management.
  - Training, awareness-raising and communication.
  - National and international legislation.
  - Recovery of the species.
  - Ex-situ conservation.

Iberian loach (*Cobitis calderoni*)

- **Level of extinction risk**: Endangered (EN)
- Location of the population: the presence of *Cobitis calderoni* is limited to the basins of the rivers Duero, Ebro and Tajo, in Spain and Portugal. Population trend: decline.
- Habitat and ecological features: it lives in the upper and middle reaches of shallow rocky-bedded rivers.
- **Threats:**
  - Water management and use.
  - Dams.

- Droughts.
- Invasive species and diseases.

- Conservation measures:

  Species listed in Appendix III of the Bern Convention:
  - National and international legislation.

Mother-in-law's seat (*Echinopsis pampana*)

- **Level of extinction risk**: Endangered (EN)
- **Location of the population:** *Echinopsis pampana* is a species endemic to Peru. Population trend: decline.
- **Habitat and ecological features:** this species grows in the Puna desert.
- **Threats:**
  - Land-based plant collection.
- Conservation measures:

  This species is found in the Salinas y Aguada Blanca National Reserve.

Vulnerable species

Vulnerable species (VU)			
Southern grey shrike	Lanius meridionalis	Common kingfisher*	Alcedo atthis
Northern lapwing	Vanellus vanellus	Mediterranean horseshoe bat	Rhinolophus euryale
Iberian barbel*	Barbus comizo	Mehely's horseshoe bat	Rhinolophus mehelyi
Iberian-Roach*	Squalius alburnoides	Long-fingered bat	Myotis capaccinii
Spanish cedar	Cedrela odorata	Queñua tree*	Polylepis rugulosa
Black wheatear	Oenanthe leucura	Southwestern water vole*	Arvícola sapidus
Spanish pond turtle*	Mauremys leprosa	Little bustard*	Tetrax tetrax
European chain fern	Woodwardia radicans	European turtle dove*	Streptopelia turtur
Gray-bellied night monkey	Aotus lemurinus	Snub-nosed viper	Vipera latastei

* Species affected by more than one project carried out by OHL.

Near threatened species

Near threatened species (NT)			
Bonelli's eagle	Aquila fasciata	Red kite	Milvus milvus
Hen harrier*	Circus cyaneus	Common bent-wing bat	Miniopterus schreibersii
Bar-tailed godwit	Limosa lapponica	Greater horseshoe bat*	Rhinolophus ferrumequinum
Mediterranean barbel	Barbus meridionalis	Lesser horseshoe bat*	Rhinolophus hipposideros
European rabbit	Oryctolagus cuniculus	Lesser mouse-eared bat	Myotis blythii
Dartford warbler	Sylvia undata	Eurasian otter*	Lutra lutra
European pond turtle*	Emys orbicularis	Chunky false brook salamander	Pseudoeurycea cephalica
Ocellated lizard	Lacerta lepidus or Timon lepidus	Iberian spadefoot toad	Pelobates cultripes
Iberian emerald lizard	Lacerta schreiberi	White-rumped swift	Apus caffer

* Species affected by more than one project carried out by OHL.

Obrascón Huarte Lain, S.A. and Subsidiaries

Independent limited assurance report on the Consolidated Non-Financial Statement 2019 of Obrascón Huarte Lain, S.A. and subsidiaries
May 5th, 2020

Deloitte.

Deloitte, S.L.
Plaza Pablo Ruiz Picasso, 1
Torre Picasso
28020 Madrid
España

Tel: +34 915 14 50 00
Fax: +34 915 14 51 80
www.deloitte.es

Translation of a report originally issued in Spanish. In the event of a discrepancy, the Spanish-language version prevails.

INDEPENDENT LIMITED ASSURANCE REPORT

To the Shareholders of Obrascón Huarte Laín, S.A.,

In accordance with Article 49 of the Spanish Commercial Code, we have performed the verification, with a scope of limited assurance, of the 2019 Consolidated Management Report (CMR), which contains the Consolidated Non-Financial Information Statement (NFIS) for the year ended 31 December 2019 of Obrascón Huarte Lain, S.A. and subsidiaries ('the Group' or 'OHL'), which forms part of Consolidated Management Report of OHL.

The CMR includes information, additional to that required by current Spanish corporate legislation relating to non-financial reporting and by the Global Reporting Initiative Standards for sustainability reporting in their core option (GRI standards), that was not the subject matter of our verification. In this regard, our work was limited solely to verification of the information identified in the tables 'GRI Tables' and the table of 'Content of The Non-Financial Information Statement'.

Responsibilities of the Directors

The preparation of the NFIS included in the CMR, as well as its content, are the responsibility of the Board of Directors of OHL. The NFIS included in the CMR was prepared in accordance with the content specified in current Spanish corporate legislation, with GRI standards in their core option, as well as other criteria described as indicated for each matter in the table of 'Content of The Non-Financial Information Statement' and the 'GRI Tables' of the CMR.

These responsibilities of the Board of Directors also include the design, implementation and maintenance of such internal control as is determined to be necessary to enable the NFIS to be free from material misstatement, whether due to fraud or error.

The directors and the management of OHL are also responsible for defining, implementing, adapting and maintaining the management systems from which the information necessary for the preparation of the NFIS is obtained.

Our Independence and Quality Control

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants (IESBA), which is based on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

Our firm applies International Standard on Quality Control 1 (ISQC 1) and, accordingly, maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our engagement team consisted of professionals who are experts in reviews of non-financial information and, specifically, in information about economic, social and environmental performance.

Deloitte, S.L. Inscrita en el Registro Mercantil de Madrid, tomo 13.650, sección 8ª, folio 188, hoja M-54414, inscripción 96ª. C.I.F.: B-79104469.
Domicilio social: Plaza Pablo Ruiz Picasso, 1, Torre Picasso, 28020, Madrid.

Our Responsibility

Our responsibility is to express our conclusions in an independent limited assurance report based on the work performed. We conducted our review in accordance with the requirements established in International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements other than Audits or Reviews of Historical Financial Information, currently in force, issued by the International Auditing and Assurance Standards Board (IAASB) of the International Federation of Accountants (IFAC), and with the guidelines published by the Spanish Institute of Certified Public Accountants on attestation engagements on regarding non-financial information statements.

The procedures performed in a limited assurance engagement vary in nature and timing from and are less in extent than for a reasonable assurance engagement and, consequently, the level of assurance provided is also lower.

Our work consisted in requesting information from management and the various units of OHL that participated in the preparation of the NFIS, reviewing the processes used to compile and validate the information presented in the NFIS, and carrying out the following analytical procedures and sample-based review tests:

- Meetings held with OHL personnel to ascertain the business model, policies and management approaches applied, and the main risks relating to these matters, and to obtain the information required for the external verification.
- Analysis of the scope, relevance and completeness of the contents included in the NFIS based on the materiality analysis performed by OHL described in the epigraph 'Materiality and preparation of content of the Chapter V. 'About this Report', also considering the contents required under current Spanish corporate legislation.
- Analysis of the processes used to compile and validate the data presented in the 2019 NFIS.
- Review of the information relating to risks and the policies and management approaches applied in relation to the material matters described in the 2019 NFIS.
- Verification, by means of sample-based review tests, of the information relating to the contents included in the 2019 NFIS, and the appropriate compilation thereof based on the data furnished by OHL's information sources.
- Obtainment of a representation letter from the directors and management.

Basis for conclusion

As a result of the procedures performed and the evidence obtained, it has been shown that the information regarding environmental performance does not include the one corresponding to OHL activity Central, South and South East Vertical regions of North America, an activity that represents 12% of the Group's turnover in 2019. However, in contrast to the data presented in the 2018 NFIS, environmental information corresponding to West, South East Civil and North East regions have been included this year. Those data correspond to 26% of the Group's consolidated turnover in 2019, an aspect that must be considered when comparing the information.

Conclusion

Based on the procedures performed and the evidence obtained, except for the effects of the matter described in the paragraph 'Basis for conclusion', no other matters have come to our attention that causes us to believe that:

A) OHL's NFIS for the year ended 31 December 2019 was not prepared, in all material respects, included the adequation of the contents revised which are detailed in the 'GRI Tables', in accordance with the GRI standards in their core option.

B) OHL's NFIS for the year ended 31 December 2019 was not prepared, in all material respects, in accordance with the content specified in current Spanish corporate legislation and in keeping with the criteria of the selected GRI standards, as well as other criteria described as indicated for each matter in the table of 'Content of The Non-Financial Information Statement'.

Other information

The calculation of scope 3 greenhouse gas (GHG) emissions, given their nature, is subject to high uncertainty. The calculations have been carried out according to the methodology and estimations specified in the NFIS, based on the available information.

Use and distribution

This report has been prepared in response to the requirement established in current Spanish corporate legislation, so it may not be suitable for other purposes and jurisdictions.

DELOITTE, S.L.

[redacted]

Helena Redondo

May 5th, 2020

Illinois Department of Transportation

Certificate of Eligibility

Judlau Contracting, Inc.
26-15 Ulmer Street College Point, NY 11354

Contractor No 3042
(1st Revision)

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED SUPER UNLIMITED

001	EARTHWORK	Unlimited	I
005	HMA PAVING	Unlimited	I
012	DRAINAGE	$20,450,000	I
014	ELECTRICAL	$5,125,000	I
017	CONCRETE CONSTRUCTION	Unlimited	I
031	PAV'T. TEXTUR. & SURF. REM.	$1,225,000	I
034	DEMOLITION	$11,150,000	I
08A	AGGREGATE BASES & SURF. (A)	$14,250,000	I
09C	HWY., R.R. & WATERWAY STR.	Unlimited	I

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 5/9/2019 TO 4/30/2020 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION.
ISSUED AT SPRINGFIELD, ILLINOIS ON 5/9/2019.

I Applicable to Illinois work only

[redacted]
Engineer of Construction

IL 494-0645

Illinois Department of Transportation

Office of Highways Project Implementation / Bureau of Construction
2300 South Dirksen Parkway / Springfield, Illinois 62764

March 19, 2020

Judlau Contracting, Inc., #3042
26-15 Ulmer Street
College Point,NY 11354

Dear Contractor,

In response to the burden the COVID-19 pandemic is having on both the private and public sectors, the department will be implementing 44 IL Adm. Code, Section 650.120 which allows the department to grant contractors a temporary extension of prequalification ratings.

Prequalification ratings set to expire March 31 through July 30, 2020 will be extended through July 31, 2020. This will allow currently prequalified firms to bid on the April, June and July lettings. As always, please submit your renewal application as soon as possible; applications are processed in the order they are received. Once your application has been analyzed, a new Certificate of Eligibility will be issued. The new certificate will supersede the extension granted with this letter and any certificate previously issued.

If your firm plans to bid on a local agency letting and has not received a new Certificate of Eligibility, a copy of this letter will need to be attached to your current Certificate of Eligibility and submitted to the local agency prior to being issued bidding documents.

Application Submittal Notice for 2020 Applications: If possible, in addition to the mandatory hard copy submission, the department is requesting contractors submit a PDF electronic copy. Electronic copies should be emailed to Tara Elston at Tara.Elston@illinois.gov.

Questions or comments may be addressed to Tara Elston, Prequalification Engineer, at (217) 782-3413.

Sincerely,

[redacted]

Tim Kell, P.E.
Engineer of Construction

PART III: CONTRACT REQUIREMENTS

Contract Bond Agreement

Performance Bond

Payment Bond

Insurance

AGREEMENT

CONTRACT NO: I-17-4339

(USE INK ONLY)

This agreement, authorized by the Board of Directors to be entered into in duplicate this 16th day of July , , 2020 by and between The Illinois State Toll Highway Authority (hereinafter referred to as the "Tollway"), and Judlau Contracting Inc.

* a corporation organized and existing under the laws of the State of Illinois and authorized to do business in Illinois. {Attach Secretary of State certification}
* ~~a partnership consisting of~~
* ~~an individual doing business as~~
* ~~a joint venture consisting of no more than three (3) members~~.

(* DELETE ALL LINES THAT DO NOT APPLY)

with principal office in the City of College Point, in the State of New York (hereinafter referred to as the "contractor").

WITNESSETH:

In consideration of the premises and of the mutual covenants herein contained, the parties hereto mutually covenant and agree as follows:

DESCRIPTION AND SCOPE OF WORK

The contractor shall perform all of the services and furnish all of the transportation, labor, materials, equipment and any other incidentals necessary or required to construct and complete the project described in this contract, also called The Work.

CONTRACT

The following documents, taken as a whole, constitute the contract:

1. This executed Agreement and any supplement thereto.
2. The Contract Bonds.
3. The Addenda.
4. The Special Provisions.
5. The Plans.
6. The Tollway Supplemental Specifications.
7. The IDOT Supplemental Specifications and Recurring Special Provisions
8. The IDOT Standard Specifications for Road and Bridge Construction.
9. The Bid.
10. The Instructions and Information to Bidders.
11. The Advertisement for Bids.

The terms and provisions of each and every one of the above documents are a part of this contract. In the event that any provision in any of the foregoing documents conflicts with any provisions in any other of the contract documents, the provisions in the contract document first above enumerated shall govern over the provisions of any other contract document which follows it.

CONTRACT NO: I-17-4339

CONTRACT BOND AGREEMENT

The contractor shall simultaneously herewith furnish and deliver to the Tollway a Performance Bond, agreeing to perform the work in accordance with all of the provisions of the contract, as in said Performance Bond provided, and a Payment Bond, agreeing to pay not less than prevailing wages for the work to be performed in accordance with the contract and the laws of the State of Illinois and agreeing to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery and transportation with respect thereto, as in said Payment Bond provided, each dated the same date as this Agreement, in the forms prescribed by the Tollway, and each in an amount equal to the contract price with a corporate surety or sureties acceptable to the Tollway authorized to do business in the State of Illinois.

The contractor agrees that said Bonds shall be maintained in full force and effect until final acceptance of the work by the Tollway and thereafter, as provided in Article 103.05 of the Tollway Supplemental Specifications. The contractor agrees and will cause the surety to agree to be bound by each and every provision of all of the contract documents.

If any surety upon any bond furnished in connection with this contract becomes unacceptable to the Tollway, or if any such surety fails to furnish reports as to its financial condition from time to time as requested by the Tollway, the contractor shall promptly furnish such additional security as may be required from time to time to protect the interests of the Tollway and all persons supplying labor or materials in the prosecution of the work contemplated by this contract.

In the event the surety shall make any assignment for the benefit of creditors or commit any act of bankruptcy, or if it shall be declared bankrupt, or if it shall file a voluntary petition in bankruptcy, or shall in the opinion of the Tollway be insolvent, the Contractor agrees forthwith upon request of the Tollway to furnish and maintain other corporate surety with respect to said Bonds satisfactory to the Tollway.

DEFINITIONS

As used in this Agreement, the terms set forth shall have the meanings attributed to them in the Tollway Supplemental Specifications for The Illinois State Toll Highway Authority issued by the Tollway.

TIME OF PERFORMANCE

The duration of this contract shall commence with the Chief Operating Officer’s signature and shall continue until December 1, 2023, in accordance with the contract book schedule.

CONTRACT END DATE

The contract end date is two (2) years from the completion date. Based on the completion date stated in the contract at the time of award the End Date December 1, 2025.

This contract maybe renewed for two (2) additional one (1) year terms or one (1) additional two (2) year term, the length of any renewal is to be determined and agreed upon by the Parties.

LIABILITY OF JOINT VENTURE

In the event the successful bidder (contractor) of this contract is a joint venture, then each individual, partnership, or corporation comprising such joint venture, shall be individually, personally, severally and jointly liable and responsible, financially, legally, and in all other respects, for the full and proper performance of each and every provision and requirement of this contract, notwithstanding any arrangement, understanding or agreement to the contrary, if any, whether disclosed to the Tollway or not, entered into by and between the individual, partnership, joint venture, or corporation comprising such joint venture.

PERFORMANCE OF THE WORK

The contractor shall perform all work under the direct supervision, and to the satisfaction of the Construction Manager . The Construction Manager shall decide all questions which arise as to the quality and acceptability of work performed, manner of performance, rate of progress of the work and interpretation of the specifications, and the Construction Manager's decision shall be final.

Any dispute between the Construction Manager and the contractor with respect to any matter shall be decided by the Chief Engineering Officer of The Tollway and his decision shall be final.

In the event that the quantity of any item of work as given in the Bid shall be greater or less than estimated, payment shall be made by the Tollway on the basis of the actual quantity completed at the unit price for such item named in the Bid, subject to the provisions of the Article 104.02 of the Tollway Supplemental Specifications.

Notwithstanding anything contained in this contract, all payments to be made pursuant to this contract shall be subject to approval by the Chief Engineering Officer.

CONSIDERATION

The Tollway shall pay the Contractor for the performance of the work, subject to any additions or deductions therein as provided for in the Specifications, in current funds, at the prices for the respective items of work shown in the Bid. Payments are to be made to the Contractor in accordance with and subject to the provisions of the contract documents.

ASSIGNMENT

This contract may not be assigned, transferred in whole or in part by the Vendor without prior written consent of the Illinois Tollway.

CONTRACT NO: I-17-4339

COVENANT AGAINST CONTINGENT FEES

The contractor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the contractor for the purpose of securing business. For breach or violation of this warranty, the Tollway shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

TERMINATION / CANCELLATION FOR NON-APPROPRIATION OF FUNDS

This contract is subject to termination and cancellation in any year for which the General Assembly fails to make an appropriation (if such an appropriation is required) to make payments under the terms of the contract. Currently, the Tollway is not required to obtain a yearly appropriation of its funds. However, the Tollway cannot and does not make any representations or warranties concerning future appropriation requirements.

COMPTROLLER REQUIREMENTS FOR CONTRACTS

Contractor and any and all subcontractors under this contract agrees to maintain books and records related to the performance of the contract and necessary to support amounts charged to the State under the contract for a minimum of five (5) years from the last action on the contract. Contractor further agrees to cooperate fully with any audit and to make the books and records available to the Auditor General, Chief Procurement Officer, Internal Auditor, Inspector General, and the Purchasing Agency.

The State requires a fee of $15 to cover expenses related to the administration of the Minority Contractor Opportunity Initiative. Any contractor awarded a contract under Section 20-10, 20-15, 20-25 or 20-30 of the Illinois Procurement Code (30 ILCS 500) of $1,000 or more is required to pay a fee of $15. The Comptroller shall deduct the fee from the first check issued to the Vendor under the contract and deposit the fee in the Comptroller's Administrative Fund.

FREEDOM OF INFORMATION ACT

This contract and all related public records maintained by, provided to or required to be provided to the State are subject to the Illinois Freedom of Information Act (FOIA) (50 ILCS 140) notwithstanding any provision to the contrary that may be found in this contract.

GOVERNING LAW; EXCLUSIVE JURISDICTION

This agreement, and all the rights and duties of the parties arising from or relating in any way to the subject matter of this agreement or the transaction(s) contemplated by it, shall be governed by, construed and enforced only in accordance with the laws of the United States and the State of Illinois (excluding any conflict of laws provisions that would refer to and apply the substantive laws of another jurisdiction). Any suit or proceeding relating to this agreement, including arbitration proceedings, shall be brought only in DuPage County, Illinois. ***THE CONTRACTOR CONSENTS TO THE EXCLUSIVE JURISDICTION AND VENUE OF THE COURTS LOCATED IN DUPAGE COUNTY, STATE OF ILLINOIS.***

CONTRACT NO: I-17-4339
NOTICE

Notices or documents to be given or delivered shall be deemed given or delivered if delivered personally or by registered or certified mail to the Contractor at: **Judlau Contracting, Inc**.

26-15 Ulmer Street
College Point, New York 113354

or to the TOLLWAY at 2700 Ogden Avenue, Downers Grove, Illinois, 60515. Either party may change the place to which notices hereunder may be addressed, by written notice to the other party from time to time or at any time.

Addendum, if any, referred to on Page P-1 hereof, and attached hereto, is a part of this Agreement as if fully set forth hereon.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the day and year first above written.*

Agreed By: [redacted] 07.09.2020

~~President~~ EXECUTIVE VICE PRESIDENT — Date

ARNAV AMIN

Printed Name as Signed Above

ATTEST: [redacted]

(Seal)

Secretary

CESAR PEREIRA

Printed Name as Signed Above

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

APPROVED:

[redacted] 09/10/2020

Willard S. Evans Jr., Chairman/CEO — Date

APPROVED:

[redacted] 09/10/2020

Jose Alvarez, Executive Director — Date

APPROVED:

[redacted] 09/09/2020

Cathy R. Williams, Chief Financial Officer — Date

APPROVED:

[redacted] 09/04/2020

Kathleen Pasulka-Brown, General Counsel — Date

Approved as to Form and Constitutionality

[redacted] 09/04/2020

Attorney General, State of Illinois — Date

CORPORATION SIGNATURE FORM

At a meeting on July 9, 2020, the Board of Directors

of Judlau Contracting, Inc. adopted the following Resolution:
(Name of Corporation)

"BE IT RESOLVED that Wally Stoklosa and Dan Ewing
(Name of Individual)

are hereby authorized, directed and empowered, on behalf of

Judlau Contracting, Inc.
(Name of Corporation)

to execute the contract and any and all contract modifications or documentation in connection with The Illinois State Toll Highway Authority's Contract No. I-17-4339."

I, Arnav Amin, Executive Vice President of the aforesaid corporation, do hereby certify that the foregoing is a true and correct copy of a Resolution adopted as above set forth.

(Corporate Seal)

07.09.2020
Date

[redacted]
Executive Vice President

Corporation Signature Form (104.2) 06-18-2014

UNANIMOUS WRITTEN CONSENT
OF THE BOARD OF DIRECTORS
OF JUDLAU CONTRACTING, INC.
(A New York Corporation)

The undersigned, being the members of the board of directors (the "**Board**") of Judlau Contracting, Inc., a New York Corporation (the "**Corporation**"), in lieu of holding a special meeting of the Board, do hereby take the following actions and adopt the following resolutions by unanimous written consent pursuant to sections 708(b) and of the New York Business Corporation Law, as amended, and Article III, Section 8 (actions of the board) of the Amended & Restated By-law of the Corporation.

1. **Authorization to execute on behalf of the Corporation a bid and agreement.**

BE IT RESOLVED, that Arnav Amin is hereby authorized, directed and empowered, on behalf of the Corporation to execute the contract and any and all contract modifications or documentation in connection with The Illinois State Toll Highway Authority's Contract No. **I-17-4339**.

2. **Further Actions.**

RESOLVED, that Cesar F. Pereira is hereby authorized to take, or cause to be taken, such further action, and to execute and deliver, or cause to be delivered, for and in the name and on behalf of the Corporation, all such instruments and documents as he may deem appropriate in order to effect the purpose or intent of the foregoing resolutions (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments, as the case may be) and all actions heretofore taken in connection with the subject of the foregoing recitals and resolutions be, and it hereby is, approved, ratified and confirmed in all respects as the act and deed of the Corporation.

RESOLVED, that this Unanimous Written Consent may be executed in several counterparts or counterpart signature pages, and all so executed shall constitute one Unanimous Written Consent binding on all of the undersigned, notwithstanding that all of the undersigned are not signatories to the original thereof or the same counterpart or counterpart signature page. Counterparts or counterpart signature pages containing facsimile transmitted signatures, or scanned and emailed signatures, shall be binding as if original signatures delivered in person; and

RESOLVED, that this Unanimous Written Consent be filed with the records of the proceedings of the Corporation.

IN WITNESS WHEREOF, the undersigned have executed this Unanimous Written Consent of the Board on July 9, 2020.

[redacted]

Ashok R. Patel

[redacted]

Jose Antonio Fernandez Gallar

JUDLAU
OHL Group

July 10, 2020

The Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, Illinois 60515

Attn: Grace Gomez, Senior Negotiator

RE: **Contract I-17-4339**
Elgin O'Hare Western Access Tollway (I-490)
Roadway and Bridge Widening and Reconstruction
Tri-State Tollway South of Grand Avenue to Wolf Road
Mile Post 35.04 to Mile Post 36.70
Western Access Tollway (I-490) Ramp S1 and S2
Mile Post 00.00 to Mile Post 00.25
Digital Signature Acceptance

Ms. Gomez,

Judlau Contracting, Inc.'s Secretary, Cesar Pereira, resides in New York, which is currently dealing with the ongoing COVID-19 pandemic. Due to current Government mandates and the evolving situation in NYC, it is neither safe nor prudent to send documents back and forth for original signature during this critical time as keeping everyone safe and healthy is our number one priority. Therefore, we hope you understand and accept the following documents being digitally executed by Judlau Contracting, Inc.'s Secretary, Cesar Pereira.

Please contact my office at 630.387.6040 if you have any questions or need additional information.

Regards,

[redacted]

Arnav Amin
Executive Vice President

1011 Warrenville Road, Suite 195 ~ Lisle, Illinois 60532
Phone: 630.387.6040 ~ Fax: 331.777.5771

www.ohlna.com

ISO 9001:2015 Registered Company, Equal Opportunity Employer

OFFICIAL DOCUMENT State of Illinois - Department of Revenue OFFICIAL DOCUMENT

Illinois Sales Tax Exemption Certificate

IL STATE TOLL HIGHWAY AUTHORITY

2700 OGDEN AVE
DOWNERS GROVE IL 60515-1703

Sales Tax Exemption Certificate

Issue date:
02/10/2020
Expiration date:
03/01/2025

Sales Tax Exemption [redacted]

Organization type: **Governmental**

This entity is authorized under the Retailers' Occupation Tax Act to purchase tangible personal property for use or consumption tax-free.

ILLINOIS REVENUE
Director

OFFICIAL DOCUMENT - DO NOT DESTROY

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

CONTRACT NO. I-17-4339

PERFORMANCE BOND

Bond No. 015210913 (Liberty)
47-SUR-300018-01-0097 (BHSI)
6131018673 (USFI)

KNOW ALL PERSONS BY THESE PRESENTS, That we, Judlau Contracting, Inc.,
(Name of Principal)

- ☒ a corporation organized and existing under the laws of the State of New York and authorized to do business in the State of Illinois,
- ☐ a limited liability company admitted to transact business in the State of Illinois and in good standing with the State of Illinois,
- ☐ a partnership consisting of _____,
- ☐ an individual doing business as _____,
- ☐ a joint venture consisting of _____,

("X" ONE AND COMPLETE REMAINING INFORMATION)

as Principal, and Liberty Mutual Insurance Company
Berkshire Hathaway Specialty Insurance Company
United States Fire Insurance Company
(Name of Surety)

a corporation organized and existing under the laws of the State of MA / NE / DE with authority to do business in the State of Illinois, as Surety, are held and firmly bound unto The Illinois State Toll Highway Authority in the penal sum of One Hundred Fifty-One Million Five Hundred Seventy-Four Thousand Ninety-Eight Dollars and Fifty Six Cents ($151,574,098.56), lawful money of the United States, well and truly to be paid unto said The Illinois State Toll Highway Authority, for the payment to which we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that whereas, Principal has entered into a written contract with The Illinois State Toll Highway Authority for the work designated as

Contract No. I-17-4339; Elgin O'Hare West Access Tollway (I-490) Roadway and Bridge Widening and Reconstruction;
(Insert Contract Number and Description)
Tri-State Tollway South of Grand Avenue to Wolf Road, Mile Post 35.04 to Mile Post 36.70; Western Access Tollway (I-490) Ramps S1 and S2, Mile Post 00.00 to Mile Post 00.25

which contract is by reference made a part hereof and is hereinafter referred to as "the Contract".

NOW, THEREFORE, if Principal promptly and faithfully performs said work in accordance with the provisions of the Contract and any authorized changes in the Contract that are subsequently made during the original term of the Contract and any extensions thereof that may be granted by the Authority, with or without notice to the Surety, and complies with all the provisions, conditions and requirements of the Contract and any authorized changes in the Contract that are subsequently made, with or without notice to the Surety, then this obligation for Surety's performance of the Contract shall be void; otherwise it shall remain in full force and effect.

Surety hereby waives notice of any changes in the Contract, including extensions of time for the performance thereof.

IN WITNESS WHEREOF, we have duly executed the foregoing obligation and affixed our seals this 9th day of July, 2020.

Surety Liberty Mutual Insurance Company *

Address 175 Berkeley Street

Boston, MA 02116

[redacted]

(Seal) Attorney in Fact Theresa J. Foley

Agent for Surety American Global of New York, LLC

Address 390 N. Broadway

Jericho, NY 11753

Principal Judlau Contracting, Inc.

Address 26-15 Ulmer Street

College Point, NY 11354

By [redacted]

(Signature) (Seal)

ARNAV AMIN, EXECUTIVE VICE PRESIDENT

(Name & Title)

Attest [redacted]

Corporate Secretary

* Surety: Berkshire Hathaway Specialty Insurance Company
Address: 1314 Douglas Street
Suite 1400
Omaha, NE 68102 - 1944

*Surety: United States Fire Insurance Company
Address: 305 Madison Avenue
Morristown, NJ 07962

(Attach Surety's Power of Attorney)

(Attach Notary Certificate authenticating Signature of Attorney-In-Fact)

(Attach Notary Certificate authenticating Signature of Representative of Principal if not attested by Corporate Secretary)

ACKNOWLEDGEMENT OF CONTRACTOR, IF A CORPORATION

STATE OF ILLINOIS
COUNTY OF DUPAGE

ON THE 9TH DAY OF July, 2020, BEFORE ME PERSONALLY CAME

ARNAV AMIN TO ME KNOWN, WHO BEING BY ME DULY SWORN, DID DEPOSE AND SAY THAT (S)HE RESIDES AT AURORA, ILLINOIS, THAT (S)HE IS THE EXECUTIVE VICE PRESIDENT OF **Judlau Contracting, Inc.** THE CORPORATION DESCRIBED IN AND WHICH EXECUTED THE ABOVE INSTRUMENT; AND THAT (S)HE SIGNED HIS/HER NAME THERETO BY ORDER OF THE BOARD OF DIRECTORS OF SAID CORPORATION.

MARIA CACUCCIOLO
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
June 13, 2023

[redacted]

Notary Public

ACKNOWLEDGMENT OF SURETY COMPANY

STATE OF **NEW YORK**

COUNTY OF **NASSAU**

On this **9th** day of **July, 2020**, before me personally came **Theresa J. Foley** to me known, who, being by me duly sworn, did depose and say; that she is the Attorney-in-Fact of **Liberty Mutual Insurance Company, Berkshire Hathaway Specialty Insurance Company, and United States Fire Insurance Company**, the corporation described in which executed the above instrument; that she knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by the Board of Directors of said corporation; and that she signed her name thereto by the authority of the Power of Attorney of said Company, of which a Certified Copy is hereto attached, and that she signed said Instrument as an Attorney-in-Fact of said company by like authority.

[redacted].....

Notary Public

ANDREA E. GORBERT
NOTARY PUBLIC, State of New York
No. 01GO6170063
Qualified in Suffolk County
Commission Expires July 02, 2023

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: **8201166-985164**

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Theresa J. Foley; Andrea E. Gorbert; Michael Marino; Kevin T. Walsh, Jr.

all of the city of Jericho state of NY each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 29th day of April, 2019.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: [redacted]
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 29th day of April, 2019 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: [redacted]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 9th day of July, 2020.

By: [redacted]
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual. SURETY

LIBERTY MUTUAL INSURANCE COMPANY

FINANCIAL STATEMENT — DECEMBER 31, 2019

Assets

Cash and Bank Deposits	$778,754,989
*Bonds — U.S Government	2,780,808,610
*Other Bonds	12,645,608,792
*Stocks	16,385,435,431
Real Estate	235,608,378
Agents' Balances or Uncollected Premiums	6,217,983,641
Accrued Interest and Rents	102,273,390
Other Admitted Assets	11,957,106,292
Total Admitted Assets	**$51,103,579,523**

Liabilities

Unearned Premiums		$8,007,146,482
Reserve for Claims and Claims Expense		21,532,853,787
Funds Held Under Reinsurance Treaties		507,868,920
Reserve for Dividends to Policyholders		1,143,826
Additional Statutory Reserve		125,722,000
Reserve for Commissions, Taxes and Other Liabilities		4,117,460,075
Total		**$34,292,195,090**
Special Surplus Funds	$32,768,443	
Capital Stock	10,000,075	
Paid in Surplus	10,044,978,933	
Unassigned Surplus	6,723,636,983	
Surplus to Policyholders		**16,811,384,434**
Total Liabilities and Surplus		**$51,103,579,524**

LIBERTY MUTUAL INSURANCE COMPANY INCORPORATED 1912 MASSACHUSETTS

* Bonds are stated at amortized or investment value; Stocks at Association Market Values.
The foregoing financial information is taken from Liberty Mutual Insurance Company's financial statement filed with the state of Massachusetts Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2019, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 27th day of March, 2020.

[redacted]

Assistant Secretary

Berkshire Hathaway Specialty Insurance

Power Of Attorney

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY
NATIONAL INDEMNITY COMPANY / NATIONAL LIABILITY & FIRE INSURANCE COMPANY

Know all men by these presents, that **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY**, a corporation existing under and by virtue of the laws of the State of Nebraska and having an office at One Lincoln Street, 23rd Floor, Boston, Massachusetts 02111, **NATIONAL INDEMNITY COMPANY**, a corporation existing under and by virtue of the laws of the State of Nebraska and having an office at 3024 Harney Street, Omaha, Nebraska 68131 and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, a corporation existing under and by virtue of the laws of the State of Connecticut and having an office at 100 First Stamford Place, Stamford, Connecticut 06902 (hereinafter collectively the "Companies"), pursuant to and by the authority granted as set forth herein, do hereby name, constitute and appoint: **Andrea E. Gorbert, Theresa J. Foley, 390 North Broadway, of the city of Jericho, State of New York,** their true and lawful attorney(s)-in-fact to make, execute, seal, acknowledge, and deliver, for and on their behalf as surety and as their act and deed, any and all undertakings, bonds, or other such writings obligatory in the nature thereof, in pursuance of these presents, the execution of which shall be as binding upon the Companies as if it has been duly signed and executed by their regularly elected officers in their own proper persons. **This authority for the Attorney-in-Fact shall be limited to the execution of the attached bond(s) or other such writings obligatory in the nature thereof.**

In witness whereof, this Power of Attorney has been subscribed by an authorized officer of the Companies, and the corporate seals of the Companies have been affixed hereto this date of December 20, 2018. This Power of Attorney is made and executed pursuant to and by authority of the Bylaws, Resolutions of the Board of Directors, and other Authorizations of **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY** and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, which are in full force and effect, each reading as appears on the back page of this Power of Attorney, respectively. **The following signature by an authorized officer of the Company may be a facsimile, which shall be deemed the equivalent of and constitute the written signature of such officer of the Company for all purposes regarding this Power of Attorney, including satisfaction of any signature requirements on any and all undertakings, bonds, or other such writings obligatory in the nature thereof, to which this Power of Attorney applies.**

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY,

[redacted]

By: _____
David Fields, Executive Vice President

NATIONAL INDEMNITY COMPANY,
NATIONAL LIABILITY & FIRE INSURANCE COMPANY,

[redacted]

By: _____
David Fields, Vice President

NOTARY
State of Massachusetts, County of Suffolk, ss:
On this 20th day of December, 2018, before me appeared David Fields, Executive Vice President of BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY and Vice President of NATIONAL INDEMNITY COMPANY and NATIONAL LIABILITY & FIRE INSURANCE COMPANY, who being duly sworn, says that his capacity is as designated above for such Companies; that he knows the corporate seals of the Companies; that the seals affixed to the foregoing instrument are such corporate seals; that they were affixed by order of the board of directors or other governing body of said Companies pursuant to its Bylaws, Resolutions and other Authorizations, and that he signed said instrument in that capacity of said Companies.

[Notary Seal]

GEOFFERY A. DELISIO
Notary Public
Commonwealth of Massachusetts
My Comm. Expires November 29, 2024

[redacted]
Notary Public

I, Ralph Tortorella, the undersigned, Officer of **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY** and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies which is in full force and effect and has not been revoked. IN TESTIMONY WHEREOF, see hereunto affixed the seals of said Companies this July 9, 2020.

[redacted]
Officer

To verify the authenticity of this Power of Attorney please contact us at: BHSISurety Department, Berkshire Hathaway Specialty Insurance Company, One Lincoln Street, 23rd Floor Boston, MA 02111 | (770) 625-2516 or by email at Jennifer.Porter@bhspecialty.com *THIS POWER OF ATTORNEY IS VOID IF ALTERED*

To notify us of a claim please contact us on our 24-hour toll free number at (855) 453-9675, via email at claimsnotice@bhspecialty.com, via fax to (617) 507-8259, or via mail.

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY (BYLAWS)

ARTICLE V.

CORPORATE ACTIONS

. . . .

EXECUTION OF DOCUMENTS:

. . . .

Section 6.(b) The President, any Vice President or the Secretary, shall have the power and authority:

(1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company bonds and other undertakings, and

(2) To remove at any time any such Attorney-in-fact and revoke the authority given him.

NATIONAL INDEMNITY COMPANY (BY-LAWS)

Section 4. Officers, Agents, and Employees:

A. The officers shall be a President, one or more Vice Presidents, a Secretary, one or more Assistant Secretaries, a Treasurer, and one or more Assistant Treasurers none of whom shall be required to be shareholders or Directors and each of whom shall be elected annually by the Board of Directors at each annual meeting to serve a term of office of one year or until a successor has been elected and qualified, may serve successive terms of office, may be removed from office at any time for or without cause by a vote of a majority of the Board of Directors, and shall have such powers and rights and be charged with such duties and obligations as usually are vested in and pertain to such office or as may be directed from time to time by the Board of Directors; and the Board of Directors or the officers may from time to time appoint, discharge, engage, or remove such agents and employees as may be appropriate, convenient, or necessary to the affairs and business of the corporation.

NATIONAL INDEMNITY COMPANY (BOARD RESOLUTION ADOPTED AUGUST 6, 2014)

RESOLVED, That the President, any Vice President or the Secretary, shall have the power and authority to (1) appoint Attorneys-in-fact, and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) remove at any time any such Attorney-in-fact and revoke the authority given.

NATIONAL LIABILITY & FIRE INSURANCE COMPANY (BY-LAWS)

ARTICLE IV

Officers

Section 1. Officers, Agents and Employees:

A. The officers shall be a president, one or more vice presidents, one or more assistant vice presidents, a secretary, one or more assistant secretaries, a treasurer, and one or more assistant treasurers, none of whom shall be required to be shareholders or directors, and each of whom shall be elected annually by the board of directors at each annual meeting to serve a term of office of one year or until a successor has been elected and qualified, may serve successive terms of office, may be removed from office at any time for or without cause by a vote of a majority of the board of directors. The president and secretary shall be different individuals. Election or appointment of an officer or agent shall not create contract rights. The officers of the Corporation shall have such powers and rights and be charged with such duties and obligations as usually are vested in and pertain to such office or as may be directed from time to time by the board of directors; and the board of directors or the officers may from time to time appoint, discharge, engage, or remove such agents and employees as may be appropriate, convenient, or necessary to the affairs and business of the Corporation.

NATIONAL LIABILITY & FIRE INSURANCE COMPANY (BOARD RESOLUTION ADOPTED AUGUST 6, 2014)

RESOLVED, That the President, any Vice President or the Secretary, shall have the power and authority to (1) appoint Attorneys-in-fact, and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) remove at any time any such Attorney-in-fact and revoke the authority given.

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY

1314 Douglas Street, Suite 1400, Omaha, Nebraska 68102-1944

ADMITTED ASSETS*

	12/31/2019	12/31/2018	12/31/2017
Total invested assets	$ 5,172,183,338	$ 4,313,185,189	$ 4,516,104,907
Premium & agent balances (n	368,086,012	301,849,144	297,141,264
All other assets	127,524,677	140,930,406	137,220,394
Admitted Assets	$ 5,667,794,027	$ 4,755,964,739	$ 4,950,466,565

LIABILITIES & SURPLUS*

	12/31/2019	12/31/2018	12/31/2017
Loss & loss exp. unpaid	$ 634,745,558	$ 463,103,223	$ 327,823,391
Unearned premiums	314,117,549	241,835,588	209,113,536
All other liabilities	744,738,458	570,628,148	663,892,150
Total Liabilities	1,693,601,565	1,275,566,959	1,200,829,077
Total Policyholders' Surplu	3,974,192,463	3,480,397,780	3,749,637,488
Total Liabilities & Surplus	$ 5,667,794,028	$ 4,755,964,739	$ 4,950,466,565

* Assets, liabilities and surplus are presented on a Statutory Accounting Basis as promulgated by the NAIC and/or the laws of the company's domiciliary state.

POWER OF ATTORNEY
UNITED STATES FIRE INSURANCE COMPANY
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

05617

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

Michael Marino, Theresa J. Foley, Andrea E. Gorbert, James A. Merrill

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Fifty Million Dollars ($50,000,000).**

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 31, 2021.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

> Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:
>
> (a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;
> (b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.
>
> Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 10th day of March, 2016.

UNITED STATES FIRE INSURANCE COMPANY

[redacted]

Anthony R. Slimowicz, Executive Vice President

State of New Jersey }
County of Morris }

On this 10th day of March 2016, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

SONIA SCALA
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES 3/25/2024
NO. 2163686

[redacted]

Sonia Scala (Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the day of JUL 09 2020

UNITED STATES FIRE INSURANCE COMPANY

[redacted]

Peter M. Quinn, Senior Vice President

UNITED STATES FIRE INSURANCE COMPANY
1209 ORANGE STREET, WILMINGTON, DELAWARE 19801

STATEMENT OF ASSETS, LIABILITIES, SURPLUS AND OTHER FUNDS

AT DECEMBER 31, 2019

ASSETS

Bonds (Amortized Value)		1,378,263,278
Preferred Stocks (Market Value)		2,500,000
Common Stocks (Market Value)		1,285,247,627
Mortgage Loans (Market Value)		4,575,000
Cash, Cash Equivalents, and Short Term Investments		669,919,204
Derivatives		7,268,292
Other Invested Assets		263,067,722
Investment Income Due and Accrued		12,069,093
Premiums and Considerations		307,501,153
Amounts Recoverable from Reinsurers		41,921,190
Funds Held by or Deposited with Reinsured Companies		18,044,399
Current Income Taxes Recoverable		3,123,199
Net Deferred Tax Asset		170,616,521
Electronic Data Processing Equipment		2,530,714
Receivables from Parent, Subsidiaries and Affiliates		189,801,729
Other Assets		88,380,069
TOTAL ASSETS	$	4,444,829,190

LIABILITIES, SURPLUS & OTHER FUNDS

Losses (Reported Losses Net of Reinsurance Ceded and Incurred But Not Reported Losses)		1,608,110,571
Reinsurance Payable on Paid Losses and Loss Adjustment Expenses		99,388,149
Loss Adjustment Expenses		382,336,986
Commissions Payable, Contingent Commissions and Other Similar Charges		6,450,761
Other Expenses (Excluding Taxes, Licenses and Fees)		58,812,009
Taxes, Licenses and Fees (Excluding Federal Income Taxes)		24,123,914
Unearned Premiums		622,338,241
Advance Premium		10,107,620
Ceded Reinsurance Premiums Payable		40,131,540
Funds Held by Company under Reinsurance Treaties		30,307,801
Amounts Withheld by Company for Account of Others		87,984,822
Provision for Reinsurance		1,244,113
Payable to Parent, Subsidiaries and Affiliates		4,801,800
Other Liabilities		62,614,441
TOTAL LIABILITIES	$	3,038,752,768
Common Capital Stock		14,943,000
Gross Paid In and Contributed Surplus		1,374,911,940
Unassigned Funds (Surplus)		16,221,482
Surplus as Regards Policyholders		1,406,076,422
TOTAL LIABILTIIES, SURPLUS & OTHER FUNDS	$	4,444,829,190

I, Carmine Scaglione, Senior Vice President and Controller of UNITED STATES FIRE INSURANCE COMPANY, certify that the foregoing is a fair statement of Assets, Liabilities, Surplus and Other Funds of this Company, at the close of business, December 31, 2019, as reflected by its books and records and as reported in its statement on file with the Insurance Department of the State of Delaware.

[redacted]

IN TESTIMONY WHEREOF, I have set my hand and affixed the seal of the Company, this 3rd day of March, 2020.
UNITED STATES FIRE INSURANCE COMPANY

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

CONTRACT NO. I-17-4339

PAYMENT BOND

Bond No. 015210913 (Liberty)
47-SUR-300018-01-0097 (BHSI)
6131018673 (USFI)

KNOW ALL PERSONS BY THESE PRESENTS, That we, Judlau Contracting, Inc. (*Name of Principal*),

- [X] a corporation organized and existing under the laws of the State of New York and authorized to do business in the State of Illinois,
- [ ] a limited liability company admitted to transact business in the State of Illinois and in good standing with the State of Illinois,
- [ ] a partnership consisting of _____,
- [ ] an individual doing business as _____,
- [ ] a joint venture consisting of _____,

("X" ONE AND COMPLETE REMAINING INFORMATION)

as Principal, and Liberty Mutual Insurance Company, Berkshire Hathaway Specialty Insurance Company, United States Fire Insurance Company (*Name of Surety*)

a corporation organized and existing under the laws of the State of MA / NE / DE with authority to do business in the State of Illinois, as Surety, are held and firmly bound unto The Illinois State Toll Highway Authority in the penal sum *of* One Hundred Fifty-One Million Five Hundred Seventy-Four Thousand Ninety-Eight Dollars and Fifty Six Cents ($151,574,098.56), lawful money of the United States, well and truly to be paid unto said The Illinois State Toll Highway Authority, for the payment to which we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that whereas, Principal has entered into a written contract with The Illinois State Toll Highway Authority for the work designated as

Contract No. I-17-4339; Elgin O'Hare West Access Tollway (I-490) Roadway and Bridge Widening and Reconstruction; (*Insert Contract Number and Description*) Tri-State Tollway South of Grand Avenue to Wolf Road, Mile Post 35.04 to Mile Post 36.70; Western Access Tollway (I-490) Ramps S1 and S2, Mile Post 00.00 to Mile Post 00.25

which contract is by reference made a part hereof and is hereinafter referred to as "the Contract".

NOW, THEREFORE, if Principal promptly pays not less than the prevailing wages for the work to be performed in accordance with the Contract and the laws of the State of Illinois, and promptly pays all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery, and transportation with respect thereto, furnished to said Principal for the purpose of performing said work in accordance with the provisions of the Contract and any authorized changes in the Contract that are subsequently made during the original term of the Contract and any extensions thereof that may be granted by the Authority, with or without notice to the Surety, then this obligation shall be void; otherwise it shall remain in full force and effect.

Surety hereby waives notice of any changes in the Contract, including extensions of time for the performance thereof.

IN WITNESS WHEREOF, we have duly executed the foregoing obligation and affixed our seals

this 9th day of July, 2020.

Surety Liberty Mutual Insurance Company *

Address 175 Berkeley Street

Boston, MA 02116

By [redacted]
(Seal) Attorney in Fact Theresa J. Foley

Principal Judlau Contracting, Inc.

Address 26-15 Ulmer Street

College Point, NY 11354

By [redacted]
(Signature) (Seal)

ARNAV AHUJA, EXECUTIVE VICE PRESIDENT
(Name & Title)

Agent for
Surety American Global of New York, LLC

Address 390 N. Broadway

Jericho, NY 11753

Attest _____
Corporate Secretary

* Surety: Berkshire Hathaway Specialty Insurance Company
Address: 1314 Douglas Street
Suite 1400
Omaha, NE 68102 - 1944

*Surety: United States Fire Insurance Company
Address: 305 Madison Avenue
Morristown, NJ 07962

(Attach Surety's Power of Attorney)

(Attach Notary Certificate authenticating Signature of Attorney-In-Fact)

(Attach Notary Certificate authenticating Signature of Representative of Principal if not attested by Corporate Secretary)

Surety hereby waives notice of any changes in the Contract, including extensions of time for the performance thereof.

IN WITNESS WHEREOF, we have duly executed the foregoing obligation and affixed our seals

this 9th day of July, 2020.

Surety Liberty Mutual Insurance Company *

Address 175 Berkeley Street

Boston, MA 02116

By [redacted]

(Seal) Attorney in Fact Theresa J. Foley

Agent for
Surety American Global of New York, LLC

Address 390 N. Broadway

Jericho, NY 11753

Principal Judlau Contracting, Inc.

Address 26-15 Ulmer Street

College Point, NY 11354

By [redacted]

(Signature) (Seal)

ARNAV AMIN, EXECUTIVE VICE PRESIDENT

(Name & Title)

Attest [redacted]

Corporate Secretary

* Surety: Berkshire Hathaway Specialty Insurance Company
Address: 1314 Douglas Street
Suite 1400
Omaha, NE 68102 - 1944

*Surety: United States Fire Insurance Company
Address: 305 Madison Avenue
Morristown, NJ 07962

(Attach Surety's Power of Attorney)

(Attach Notary Certificate authenticating Signature of Attorney-In-Fact)

(Attach Notary Certificate authenticating Signature of Representative of Principal if not attested by Corporate Secretary)

ACKNOWLEDGEMENT OF CONTRACTOR, IF A CORPORATION

STATE OF ILLINOIS
COUNTY OF DUPAGE

ON THE 9TH DAY OF July, 2020, BEFORE ME PERSONALLY CAME

ARNAV AMIN TO ME KNOWN, WHO BEING BY ME DULY SWORN, DID DEPOSE AND SAY THAT (S)HE RESIDES AT AURORA, ILLINOIS, THAT (S)HE IS THE EXECUTIVE VICE PRESIDENT OF **Judlau Contracting, Inc.** THE CORPORATION DESCRIBED IN AND WHICH EXECUTED THE ABOVE INSTRUMENT; AND THAT (S)HE SIGNED HIS/HER NAME THERETO BY ORDER OF THE BOARD OF DIRECTORS OF SAID CORPORATION.

[redacted]

Notary Public

MARIA CACUCCIOLO
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
June 13, 2023

ACKNOWLEDGMENT OF SURETY COMPANY

STATE OF **NEW YORK**

COUNTY OF **NASSAU**

On this **9th** day of **July, 2020**, before me personally came **Theresa J. Foley** to me known, who, being by me duly sworn, did depose and say; that she is the Attorney-in-Fact of **Liberty Mutual Insurance Company, Berkshire Hathaway Specialty Insurance Company, and United States Fire Insurance Company**, the corporation described in which executed the above instrument; that she knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by the Board of Directors of said corporation; and that she signed her name thereto by the authority of the Power of Attorney of said Company, of which a Certified Copy is hereto attached, and that she signed said Instrument as an Attorney-in-Fact of said company by like authority.

.....
Notary Public

ANDREA E. GORBERT
NOTARY PUBLIC, State of New York
No. 01GO6170063
Qualified in Suffolk County
Commission Expires July 02, 2023

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: **8201166-985164**

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Theresa J. Foley; Andrea E. Gorbert; Michael Marino; Kevin T. Walsh, Jr.

all of the city of Jericho state of NY each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 29th day of April, 2019.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: [redacted]
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 29th day of April, 2019 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: [redacted]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 9th day of July, 2020.

By: [redacted]
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Liberty Mutual. SURETY

LIBERTY MUTUAL INSURANCE COMPANY

FINANCIAL STATEMENT — DECEMBER 31, 2019

Assets

Cash and Bank Deposits	$778,754,989
*Bonds — U.S Government	2,780,808,610
*Other Bonds	12,645,608,792
*Stocks	16,385,435,431
Real Estate	235,608,378
Agents' Balances or Uncollected Premiums	6,217,983,641
Accrued Interest and Rents	102,273,390
Other Admitted Assets	11,957,106,292
Total Admitted Assets	**$51,103,579,523**

Liabilities

Unearned Premiums		$8,007,146,482
Reserve for Claims and Claims Expense		21,532,853,787
Funds Held Under Reinsurance Treaties		507,868,920
Reserve for Dividends to Policyholders		1,143,826
Additional Statutory Reserve		125,722,000
Reserve for Commissions, Taxes and Other Liabilities		4,117,460,075
Total		**$34,292,195,090**
Special Surplus Funds	$32,768,443	
Capital Stock	10,000,075	
Paid in Surplus	10,044,978,933	
Unassigned Surplus	6,723,636,983	
Surplus to Policyholders		**16,811,384,434**
Total Liabilities and Surplus		**$51,103,579,524**

LIBERTY MUTUAL INSURANCE COMPANY INCORPORATED 1912 MASSACHUSETTS

* Bonds are stated at amortized or investment value; Stocks at Association Market Values.
The foregoing financial information is taken from Liberty Mutual Insurance Company's financial statement filed with the state of Massachusetts Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2019, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 27th day of March, 2020.

[redacted]

Assistant Secretary

Berkshire Hathaway Specialty Insurance

Power Of Attorney

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY
NATIONAL INDEMNITY COMPANY / NATIONAL LIABILITY & FIRE INSURANCE COMPANY

Know all men by these presents, that **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY**, a corporation existing under and by virtue of the laws of the State of Nebraska and having an office at One Lincoln Street, 23rd Floor, Boston, Massachusetts 02111, **NATIONAL INDEMNITY COMPANY**, a corporation existing under and by virtue of the laws of the State of Nebraska and having an office at 3024 Harney Street, Omaha, Nebraska 68131 and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, a corporation existing under and by virtue of the laws of the State of Connecticut and having an office at 100 First Stamford Place, Stamford, Connecticut 06902 (hereinafter collectively the "Companies"), pursuant to and by the authority granted as set forth herein, do hereby name, constitute and appoint: **Andrea E. Gorbert, Theresa J. Foley, 390 North Broadway, of the city of Jericho, State of New York,** their true and lawful attorney(s)-in-fact to make, execute, seal, acknowledge, and deliver, for and on their behalf as surety and as their act and deed, any and all undertakings, bonds, or other such writings obligatory in the nature thereof, in pursuance of these presents, the execution of which shall be as binding upon the Companies as if it has been duly signed and executed by their regularly elected officers in their own proper persons. **This authority for the Attorney-in-Fact shall be limited to the execution of the attached bond(s) or other such writings obligatory in the nature thereof.**

In witness whereof, this Power of Attorney has been subscribed by an authorized officer of the Companies, and the corporate seals of the Companies have been affixed hereto this date of December 20, 2018. This Power of Attorney is made and executed pursuant to and by authority of the Bylaws, Resolutions of the Board of Directors, and other Authorizations of **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY** and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, which are in full force and effect, each reading as appears on the back page of this Power of Attorney, respectively. **The following signature by an authorized officer of the Company may be a facsimile, which shall be deemed the equivalent of and constitute the written signature of such officer of the Company for all purposes regarding this Power of Attorney, including satisfaction of any signature requirements on any and all undertakings, bonds, or other such writings obligatory in the nature thereof, to which this Power of Attorney applies.**

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY,

[redacted]

By: _____
David Fields, Executive Vice President

NATIONAL INDEMNITY COMPANY,
NATIONAL LIABILITY & FIRE INSURANCE COMPANY,

[redacted]

By: _____
David Fields, Vice President

NOTARY
State of Massachusetts, County of Suffolk, ss:
On this 20th day of December, 2018, before me appeared David Fields, Executive Vice President of BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY and Vice President of NATIONAL INDEMNITY COMPANY and NATIONAL LIABILITY & FIRE INSURANCE COMPANY, who being duly sworn, says that his capacity is as designated above for such Companies; that he knows the corporate seals of the Companies; that the seals affixed to the foregoing instrument are such corporate seals; that they were affixed by order of the board of directors or other governing body of said Companies pursuant to its Bylaws, Resolutions and other Authorizations, and that he signed said instrument in that capacity of said Companies.

[Notary Seal]

GEOFFERY A. DELISIO
Notary Public
Commonwealth of Massachusetts
My Comm. Expires November 29, 2024

[redacted]

Notary Public

I, Ralph Tortorella, the undersigned, Officer of **BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY, NATIONAL INDEMNITY COMPANY** and **NATIONAL LIABILITY & FIRE INSURANCE COMPANY**, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies which is in full force and effect and has not been revoked. IN TESTIMONY WHEREOF, see hereunto affixed the seals of said Companies this July 9, 2020.

[redacted]

Officer

To verify the authenticity of this Power of Attorney please contact us at: BHSI Surety Department, Berkshire Hathaway Specialty Insurance Company, One Lincoln Street, 23rd Floor Boston, MA 02111 | (770) 625-2516 or by email at Jennifer.Porter@bhspecialty.com THIS POWER OF ATTORNEY IS VOID IF ALTERED

To notify us of a claim please contact us on our 24-hour toll free number at (855) 453-9675, via email at claimsnotice@bhspecialty.com, via fax to (617) 507-8259, or via mail.

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY (BYLAWS)

ARTICLE V.

CORPORATE ACTIONS

. . . .

EXECUTION OF DOCUMENTS:

. . . .

Section 6.(b) The President, any Vice President or the Secretary, shall have the power and authority:

(1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company bonds and other undertakings, and

(2) To remove at any time any such Attorney-in-fact and revoke the authority given him.

NATIONAL INDEMNITY COMPANY (BY-LAWS)

Section 4. Officers, Agents, and Employees:

A. The officers shall be a President, one or more Vice Presidents, a Secretary, one or more Assistant Secretaries, a Treasurer, and one or more Assistant Treasurers none of whom shall be required to be shareholders or Directors and each of whom shall be elected annually by the Board of Directors at each annual meeting to serve a term of office of one year or until a successor has been elected and qualified, may serve successive terms of office, may be removed from office at any time for or without cause by a vote of a majority of the Board of Directors, and shall have such powers and rights and be charged with such duties and obligations as usually are vested in and pertain to such office or as may be directed from time to time by the Board of Directors; and the Board of Directors or the officers may from time to time appoint, discharge, engage, or remove such agents and employees as may be appropriate, convenient, or necessary to the affairs and business of the corporation.

NATIONAL INDEMNITY COMPANY (BOARD RESOLUTION ADOPTED AUGUST 6, 2014)

RESOLVED, That the President, any Vice President or the Secretary, shall have the power and authority to (1) appoint Attorneys-in-fact, and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) remove at any time any such Attorney-in-fact and revoke the authority given.

NATIONAL LIABILITY & FIRE INSURANCE COMPANY (BY-LAWS)

ARTICLE IV

Officers

Section 1. Officers, Agents and Employees:

A. The officers shall be a president, one or more vice presidents, one or more assistant vice presidents, a secretary, one or more assistant secretaries, a treasurer, and one or more assistant treasurers, none of whom shall be required to be shareholders or directors, and each of whom shall be elected annually by the board of directors at each annual meeting to serve a term of office of one year or until a successor has been elected and qualified, may serve successive terms of office, may be removed from office at any time for or without cause by a vote of a majority of the board of directors. The president and secretary shall be different individuals. Election or appointment of an officer or agent shall not create contract rights. The officers of the Corporation shall have such powers and rights and be charged with such duties and obligations as usually are vested in and pertain to such office or as may be directed from time to time by the board of directors; and the board of directors or the officers may from time to time appoint, discharge, engage, or remove such agents and employees as may be appropriate, convenient, or necessary to the affairs and business of the Corporation.

NATIONAL LIABILITY & FIRE INSURANCE COMPANY (BOARD RESOLUTION ADOPTED AUGUST 6, 2014)

RESOLVED, That the President, any Vice President or the Secretary, shall have the power and authority to (1) appoint Attorneys-in-fact, and to authorize them to execute on behalf of this Company bonds and other undertakings and (2) remove at any time any such Attorney-in-fact and revoke the authority given.

BERKSHIRE HATHAWAY SPECIALTY INSURANCE COMPANY

1314 Douglas Street, Suite 1400, Omaha, Nebraska 68102-1944

ADMITTED ASSETS*

	12/31/2019	12/31/2018	12/31/2017
Total invested assets	$ 5,172,183,338	$ 4,313,185,189	$ 4,516,104,907
Premium & agent balances (r	368,086,012	301,849,144	297,141,264
All other assets	127,524,677	140,930,406	137,220,394
Admitted Assets	$ 5,667,794,027	$ 4,755,964,739	$ 4,950,466,565

LIABILITIES & SURPLUS*

	12/31/2019	12/31/2018	12/31/2017
Loss & loss exp. unpaid	$ 634,745,558	$ 463,103,223	$ 327,823,391
Unearned premiums	314,117,549	241,835,588	209,113,536
All other liabilities	744,738,458	570,628,148	663,892,150
Total Liabilities	1,693,601,565	1,275,566,959	1,200,829,077
Total Policyholders' Surplu	3,974,192,463	3,480,397,780	3,749,637,488
Total Liabilities & Surplus	$ 5,667,794,028	$ 4,755,964,739	$ 4,950,466,565

* Assets, liabilities and surplus are presented on a Statutory Accounting Basis as promulgated by the NAIC and/or the laws of the company's domiciliary state.

POWER OF ATTORNEY
UNITED STATES FIRE INSURANCE COMPANY
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

05617

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

Michael Marino, Theresa J. Foley, Andrea E. Gorbert, James A. Merrill

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Fifty Million Dollars ($50,000,000).**

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 31, 2021.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

> Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:
>
> (a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;
> (b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.
>
> Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 10th day of March, 2016.

UNITED STATES FIRE INSURANCE COMPANY

[redacted]

Anthony R. Slimowicz, Executive Vice President

State of New Jersey}
County of Morris }

On this 10th day of March 2016, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

[redacted]

Sonia Scala (Notary Public)

SONIA SCALA
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES 3/25/2024
No. 2163686

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the day

JUL 0 9 2020 20

UNITED STATES FIRE INSURANCE COMPANY

[redacted]

Peter M. Quinn, Senior Vice President

UNITED STATES FIRE INSURANCE COMPANY

1209 ORANGE STREET, WILMINGTON, DELAWARE 19801

STATEMENT OF ASSETS, LIABILITIES, SURPLUS AND OTHER FUNDS

AT DECEMBER 31, 2019

ASSETS

Bonds (Amortized Value)		1,378,263,278
Preferred Stocks (Market Value)		2,500,000
Common Stocks (Market Value)		1,285,247,627
Mortgage Loans (Market Value)		4,575,000
Cash, Cash Equivalents, and Short Term Investments		669,919,204
Derivatives		7,268,292
Other Invested Assets		263,067,722
Investment Income Due and Accrued		12,069,093
Premiums and Considerations		307,501,153
Amounts Recoverable from Reinsurers		41,921,190
Funds Held by or Deposited with Reinsured Companies		18,044,399
Current Income Taxes Recoverable		3,123,199
Net Deferred Tax Asset		170,616,521
Electronic Data Processing Equipment		2,530,714
Receivables from Parent, Subsidiaries and Affiliates		189,801,729
Other Assets		88,380,069
TOTAL ASSETS	$	4,444,829,190

LIABILITIES, SURPLUS & OTHER FUNDS

Losses (Reported Losses Net of Reinsurance Ceded and Incurred But Not Reported Losses)		1,608,110,571
Reinsurance Payable on Paid Losses and Loss Adjustment Expenses		99,388,149
Loss Adjustment Expenses		382,336,986
Commissions Payable, Contingent Commissions and Other Similar Charges		6,450,761
Other Expenses (Excluding Taxes, Licenses and Fees)		58,812,009
Taxes, Licenses and Fees (Excluding Federal Income Taxes)		24,123,914
Unearned Premiums		622,338,241
Advance Premium		10,107,620
Ceded Reinsurance Premiums Payable		40,131,540
Funds Held by Company under Reinsurance Treaties		30,307,801
Amounts Withheld by Company for Account of Others		87,984,822
Provision for Reinsurance		1,244,113
Payable to Parent, Subsidiaries and Affiliates		4,801,800
Other Liabilities		62,614,441
TOTAL LIABILITIES	$	3,038,752,768
Common Capital Stock		14,943,000
Gross Paid In and Contributed Surplus		1,374,911,940
Unassigned Funds (Surplus)		16,221,482
Surplus as Regards Policyholders		1,406,076,422
TOTAL LIABILTIIES, SURPLUS & OTHER FUNDS	$	4,444,829,190

I, Carmine Scaglione, Senior Vice President and Controller of UNITED STATES FIRE INSURANCE COMPANY, certify that the foregoing is a fair statement of Assets, Liabilities, Surplus and Other Funds of this Company, at the close of business, December 31, 2019, as reflected by its books and records and as reported in its statement on file with the Insurance Department of the State of Delaware.

[redacted]

IN TESTIMONY WHEREOF, I have set my hand and affixed the seal of the Company, this 3rd day of March, 2020.
UNITED STATES FIRE INSURANCE COMPANY

July 10, 2020

Chrissy Rivers
Engineering Contract Services
Illinois Tollway
2700 Ogden Avenue
Downers Grove, IL 60515

REF: ISTHA Contract I-17-4339, I-490 South of Grand Ave to Wolf, Ramps S1 & S2

Dear Ms. Rivers,

As the authorized insurance broker for Judlau Contracting, Inc. and as the binding broker for the insurance companies; Aon Risk Services Northeast, Inc. can confirm the following;

- All provisions of the accepted certificates of insurance and policy binders have been obtained.
- All endorsements indicated have been secured from the insurance carrier.

If you have any questions regarding or require additional information, please feel free to contract us.

Sincerely,

AON RISK SOLUTIONS

Brian Pearsall

Brian Pearsall
Senior Vice President
Construction Services Group

Aon Risk Services, Inc. | Aon Construc ion Services Group
165 Broadway | New York, NY 10006
t: (212) 441-1396 | **f:** (516) 681-7390
w: Brian. Pearsall@aon.com

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 07/10/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME	
Aon Risk Services Northeast, Inc. New York NY Office One Liberty Plaza 165 Broadway, Suite 3201 New York NY 10006 USA	PHONE (A/C. No. Ext) (866) 283-7122	FAX (A/C. No.) (800) 363-0105
	E-MAIL ADDRESS	

INSURED	INSURER(S) AFFORDING COVERAGE		NAIC #
Judlau Contracting, Inc. 26-15 Ulmer Street College Point NY 11354 USA	INSURER A	The Travelers Indemnity Co.	25658
	INSURER B	XL Insurance America Inc	24554
	INSURER C	Indian Harbor Insurance Company	36940
	INSURER D	ACE Property & Casualty Insurance Co.	20699
	INSURER E	The Charter Oak Fire Insurance Company	25615
	INSURER F	Travelers Property Cas Co of America	25674

COVERAGES **CERTIFICATE NUMBER:** 570083013615 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLA MS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE L MIT APPL ES PER: POLICY X PRO-JECT LOC OTHER:			VTC2KCO3K992299IND19	12/31/2019	12/31/2020	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV NJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$2,000,000 $500,000 $2,000,000 $4,000,000 $4,000,000
F	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			VTC2J-CAP-3K992423-TIL-19	12/31/2019	12/31/2020	COMB NED S NGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$2,000,000
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $10,000			CUP3K99232A1925	12/31/2019	12/31/2020	EACH OCCURRENCE AGGREGATE	$3,000,000 $3,000,000
E A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N / A	UB0L8858411925D WC AOS UB0L8857001925R WC MA	12/31/2019 12/31/2019	12/31/2020 12/31/2020	X PER STATUTE OTH-ER E L. EACH ACCIDENT E L. DISEASE-EA EMPLOYEE E L. DISEASE-POLICY L MIT	 $1,000,000 $1,000,000 $1,000,000
C	Env Contr Prof			CE0742057005 SIR applies per policy terms & conditions	12/31/2019	12/31/2020	Each Loss/Aggregate SIR	$10,000,000 $250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Contract I-17-4339 I-490 South of Grand Ave to Wolf, Ramps S1 and S2
The Illinois State Toll Highway Authority together with its officials, directors , employees, the Illinois Department of Transportation (IDOT), Cook County Department of Transportation and Highways, the DuPage County Division of Transportation, the Village of Franklin Park, the City of Northlake, The Consulting Engineer, the Program Management Office (PMO), Project Manager, Design Section Engineer, Design Corridor Manager, Construction Manager, and Construction Corridor Manager are additional insureds under the General Liability, Auto Liability and Pollution Liability Policies. A Waiver of Subrogation is granted in favor of The Illinois State Toll Highway Authority together with its officials, directors , employees, the Illinois Department

CERTIFICATE HOLDER

The Illinois State Toll Highway Authority
Attention: Risk Management
2700 Ogden Avenue
Downers Grove IL 60515 USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Aon Risk Services Northeast, Inc.

Holder Identifier :

Certificate No : 570083013615

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AGENCY CUSTOMER ID: 570000065622
LOC #:

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Aon Risk Services Northeast, Inc.	Judlau Contracting, Inc.
POLICY NUMBER: See Certificate Number: 570083013615	
CARRIER: See Certificate Number: 570083013615 / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 **FORM TITLE:** Certificate of Liability Insurance

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER	
INSURER	
INSURER	
INSURER	

ADDITIONAL POLICIES If a policy below does not include limit information, refer to the corresponding policy on the ACORD certificate form for policy limits.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
	EXCESS LIABILITY							
B				US00082012LI19A	12/31/2019	12/31/2020	Aggregate	$5,000,000
D				XCQG46851560003	12/31/2019	12/31/2020	Aggregate	$20,000,000
							Each Occurrence	$20,000,000
	OTHER							
C	Env Contr Poll			CEO742057005 SIR applies per policy terms & conditions	12/31/2019	12/31/2020	PerClaim/Aggregate	$10,000,000
							SIR	$50,000

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AGENCY CUSTOMER ID: 570000065622
LOC #:

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED NSURED
Aon Risk Services Northeast, Inc.	Judlau Contracting, Inc.
POLICY NUMBER: See Certificate Number: 570083013615	
CARR ER: See Certificate Number: 570083013615 / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: ACORD 25 **FORM TITLE:** Certificate of Liability Insurance

Additional Description of Operations / Locations / Vehicles:

of Transportation (IDOT), Cook County Department of Transportation and Highways, the DuPage County Division of Transportation, the Village of Franklin Park, the City of Northlake, The Consulting Engineer, the Program Management Office (PMO), Project Manager, Design Section Engineer, Design Corridor Manager, Construction Manager, and Construction Corridor Manager in accordance with the policy provisions of the General Liability, Auto Liability and Workers Compensation policies

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CHANGE EFFECTIVE DATE: 07-09-20
CHANGE ENDORSEMENT NUMBER: 0031

TRAVELERS

One Tower Square, Hartford, Connecticut 06183

CHANGE ENDORSEMENT

Named Insured:
OHL USA, INC.

Policy Number: VTC2K-CO-3K992299-IND-19
Policy Effective Date: 12/31/19
Issue Date: 07/10/20

INSURING COMPANY:
THE TRAVELERS INDEMNITY COMPANY

Effective from 07/09/20 at the time of day the policy becomes effective.

THIS INSURANCE IS AMENDED AS FOLLOWS:

THE ACTUAL EFFECTIVE DATE OF THIS ENDORSEMENT IS 06/09/2020

AMENDING CG D3 61 03 05, ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - SCHEDULED PERSON OR ORGANIZATION AS PER ATTACHED.

AMENDING CG 20 37 07 04, ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - COMPLETED OPERATIONS AS PER ATTACHED

AS FOLLOWS:

FROM:

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY TOGETHER WITH ITS OFFICIALS, DIRECTORS & EMPLOYEES

LOCATION OF COVERED OPERATIONS:

CONTRACT I-17-4339 I-490 SOUTH OF GRAND AVE TO WOLF, RAMPS S1 AND S2

TO:

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY TOGETHER WITH ITS OFFICIALS, DIRECTORS & EMPLOYEES THE COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS, THE DUPAGE COUNTY DIVISION OF TRANSPORTATION, THE CITY OF NORLAKE AND THE VILLAGE OF FRANKLIN PARK

LOCATION OF COVERED OPERATIONS:

CONTRACT I-17-4339 I-490 SOUTH OF GRAND AVE TO WOLF, RAMPS S1 AND S2

NAME AND ADDRESS OF AGENT OR BROKER:
AON RISK SERVICES NE INC (JC891)
ONE LIBERTY PL
165 BROADWAY 33RD FL
NEW YORK, NY 11530

COUNTERSIGNED BY:

Authorized Representative

DATE:

TRAVELERS

POLICY NUMBER: VTC2K-CO-3K992299-IND-19

EFFECTIVE DATE: 12-31-19

ISSUE DATE: 07-10-20

LISTING OF FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

THIS LISTING SHOWS THE NUMBER OF FORMS, SCHEDULES AND ENDORSEMENTS BY LINE OF BUSINESS.

IL T0 07 09 87	CHANGE ENDORSEMENT
IL T8 01 10 93	FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

GENERAL LIABILITY - CONTRACTORS

CG D3 61 03 05	ADD'L INSURED-OWNERS,LESSEES,CONTRACTORS
CG 20 37 07 04	ADD INSURED-OWNRS,LESSEES,CONT COMPL OPS

GENERAL LIABILITY
CONTRACTORS

GENERAL LIABILITY
CONTRACTORS

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Names of Additional Insured Person(s) or Organization(s):

The Illinois State Toll Highway Authority together with its officials, directors & employees The Cook County Department of Transportation and Highways, the DuPage County Division of Transportation, the City of Norlake and the Village of Franklin Park

Location of Covered Operations:

Contract I-17-4339 I-490 South of Grand Ave to Wolf, Ramps S1 and S2

(Information required to complete this Schedule, if not shown above, will be shown in the Declarations.)

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring, or "personal injury" or "advertising injury" arising out of an offense committed, after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

The Illinois State Toll Highway Authority together with its officials, directors & employees The Cook County Department of Transportation and Highways, the DuPage County Division of Transportation, the City of Norlake and the Village of Franklin Park

Location And Description Of Completed Operations

Contract I-17-4339 I-490 South of
Grand Ave to Wolf, Ramps S1 and S2

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

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POLICY NUMBER: VTC2K-CO-3K992299-IND-19

COMMERCIAL GENERAL LIABILITY
ISSUE DATE: 07-07-20

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – ENGINEERS, ARCHITECTS OR SURVEYORS NOT ENGAGED BY THE NAMED INSURED

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Engineers, Architects Or Surveyors Not Engaged By The Named Insured:

The Consulting Engineer, the Program Management Office (PMO), Project Manager, Design Section Engineer, Design Corridor Manager, Construction Manager, and Construction Corridor Manager as respects Contract I-17-4339 I-490 South of Grand Ave to Wolf, Ramps S1 and S2

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. **Section II – Who Is An Insured** is amended to include as an additional insured the architects, engineers or surveyors shown in the Schedule, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" caused, in whole or in part by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations performed by you or on your behalf.

Such architects, engineers or surveyors, while not engaged by you, are contractually required to be added as an additional insured to your policy.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the rendering of or the failure to render any professional services, including:

1. The preparing, approving, or failing to prepare or approve maps, drawings, opinions, reports, surveys, change orders, designs or specifications; or
2. Supervisory, inspection or engineering services.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – ENGINEERS, ARCHITECTS OR SURVEYORS NOT ENGAGED BY THE NAMED INSURED

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Engineers, Architects Or Surveyors Not Engaged By The Named Insured:

Any architect, engineer or surveyor that you agree in a written contract with Illinois State Toll Highway Authority to include as an additional insured on this Coverage Part, provided that such written contract was signed and executed by you before, and is in effect when, the "bodily injury" or "property damage" occurs or the "personal injury" or "advertising injury" offense is committed.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. **Section II – Who Is An Insured** is amended to include as an additional insured the architects, engineers or surveyors shown in the Schedule, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" caused, in whole or in part by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations performed by you or on your behalf.

Such architects, engineers or surveyors, while not engaged by you, are contractually required to be added as an additional insured to your policy.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the rendering of or the failure to render any professional services, including:

1. The preparing, approving, or failing to prepare or approve maps, drawings, opinions, reports, surveys, change orders, designs or specifications; or
2. Supervisory, inspection or engineering services.

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CHANGE EFFECTIVE DATE: 07-14-20
CHANGE ENDORSEMENT NUMBER: 0034

TRAVELERS

One Tower Square, Hartford, Connecticut 06183

CHANGE ENDORSEMENT

Named Insured:
OHL USA, INC.

Policy Number: VTC2K-CO-3K992299-IND-19
Policy Effective Date: 12/31/19
Issue Date: 07/20/20

INSURING COMPANY:
THE TRAVELERS INDEMNITY COMPANY

Effective from 07/14/20 at the time of day the policy becomes effective.

THIS INSURANCE IS AMENDED AS FOLLOWS:

THE ACTUAL EFFECTIVE DATE OF THIS ENDORSEMENT IS 07-09-2020.

AMENDING CG D4 11 04 08 - ADDL INSD-DESIG PERSON OR ORGANIZATION, AS PER ATTACHED.

NAME AND ADDRESS OF AGENT OR BROKER:
AON RISK SERVICES NE INC (JC891)
ONE LIBERTY PL
165 BROADWAY 33RD FL
NEW YORK, NY 11530

COUNTERSIGNED BY:

Authorized Representative

DATE:

OFFICE: SP-LONG ISLAND

TRAVELERS

POLICY NUMBER: VTC2K-CO-3K992299-IND-19
EFFECTIVE DATE: 12-31-19
ISSUE DATE: 07-20-20

LISTING OF FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

THIS LISTING SHOWS THE NUMBER OF FORMS, SCHEDULES AND ENDORSEMENTS BY LINE OF BUSINESS.

IL T0 07 09 87	CHANGE ENDORSEMENT
IL T8 01 10 93	FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

GENERAL LIABILITY - CONTRACTORS

CG D4 11 04 08	ADDL INSD-DESIG PERSON OR ORGANIZATION

GENERAL LIABILITY
CONTRACTORS

GENERAL LIABILITY
CONTRACTORS

POLICY NUMBER: VTC2K-CO-3K992299-IND-19

COMMERCIAL GENERAL LIABILITY
ISSUE DATE: 07-20-20

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Additional Insured Person(s) or Organization(s):

Illinois Department of Transportation (IDOT) , The Cook County Department of Transportation and Highways, the DuPage County Division of Transportation, the City of Northlake and the Village of Franklin Park

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage", "personal injury" or "advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

A. In the performance of your ongoing operations; or

B. In connection with your premises owned by or rented to you.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY WITH OTHER INSURANCE

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

PROVISIONS

1. The following is added to Paragraph **A.1.c., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

   This includes any person or organization who you are required under a written contract or agreement between you and that person or organization, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

2. The following is added to Paragraph **B.5., Other Insurance** of **SECTION IV – BUSINESS AUTO CONDITIONS**:

   Regardless of the provisions of paragraph a. and paragraph **d.** of this part **5. Other Insurance,** this insurance is primary to and non-contributory with applicable other insurance under which an additional insured person or organization is the first named insured when the written contract or agreement between you and that person or organization, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, requires this insurance to be primary and non-contributory.

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ENDORSEMENT #005

This endorsement, effective 12:01 a.m., December 31, 2019, forms a part of Policy No. CEO742057005 issued to OHL USA, INC. by Indian Harbor Insurance Company.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

MANUSCRIPT ENDORSEMENT – ADDITIONAL INSUREDS

This endorsement modifies insurance provided under the following:

PA/CE Plus: Professional Activities/Complete Execution + Pollution (Occurrence)

PROFESSIONAL & POLLUTION LIABILITY FOR CONSTRUCTION CONTRACTORS AND CONSTRUCTION SUPPORT SERVICES PROVIDERS

In consideration of the premium charged, it is hereby understood and agreed that the following are additional insured(s), but only with respect to **Claim(s)** arising out of **Contracting Activities** performed by or on behalf of the **Named Insured**:

Schedule
Re 301 E69th Street MacArthur Properties, LLC 140 East 56th Street, Suite D New York, NY 10022 MacArthur Management Corp. 140 East 56th Street, Suite D New York, NY 10022 Berkadia Commercial Mortgage LLC. Master Service for Wells Fargo Bank, NA Trustee for Deutsche Mortgage & Assets Receiving Corp. Comm. Mtg. Pass Thru Cert Series 2005-C6 C/O Berkadia Commercial Mortgage LLC P.O. Box 1687 Horsham, PA 19044 The 301/69 Condominium 301 East 69th Street New York, NY 10021 301/69 Owners Corp. 301 East 69th Street New York, NY 10021 The New York City Transit Authority ("NYCT"), the Manhattan and Bronx Surface Transit Operating Authority ("MaBSTOA"), the Staten Island Rapid Transit Operating Authority ("SIRTOA"), the Metropolitan Transportation Auhtority ("MTA") including its subsidiaries and affiliates, MTA Capital Construction ("MTACC"), MTA Bus Company ("MTA Bus"), and the City of New York ("City" as Owner) and the respective affiliates and subsidiaries existing currently or in the future of and successors to each Indemnified Party listed herein. Long Island Rail Road (LIRR), Metropolitan Transportation Authority (MTA) and its subsidiaries and affiliates and New York & Atlantic Railway Company (when applicable) Anacostia Rail Holdings and the respective affiliates and subsidiaries existing currently or in the future

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of and successors to each Indemnified Parties listed herein. National Railroad Passenger Corp. (Amtrak), NJ Transit Corporation, and NJ Transit Rail Operations, Inc
Metro-North Commuter Railroad Company
Midtown Trackage Ventures, LLC
Midtown TDR Ventures, LLC
Argent Ventures LLC
Connecticut Department of Transportation (CDOT) and the State of Connecticut
National Railroad Passenger Corp (AMTRAK)
CSX Transportation, Inc. & New York Central Lines, LLC
Delaware & Hudson Railway Company Inc. (D&H)
BNS International, Inc.
Illinois State Toll Highway Authority together with its officials, directors and employees. The City of New York, including its officials and employees. Triborough Bridge & Tunnel Authority (B&T), Metropolitan Transportation Authority (MTA), and its subsidiaries and affiliates and the State of New York and the respective affiliates and subsidiaries existing currently or in the future of and successors."
Obrascon Huarte Lain S.A.
The District Board of Trustees of Miami Dade College, Florida
OHL Construction Industrial S.L.

All other terms, conditions and exclusions of this policy remain unchanged.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

XTEND ENDORSEMENT FOR CONTRACTORS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to this Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. Who Is An Insured – Unnamed Subsidiaries

B. Blanket Additional Insured – Governmental Entities – Permits Or Authorizations Relating To Operations

C. Incidental Medical Malpractice

D. Blanket Waiver Of Subrogation

E. Contractual Liability – Railroads

F. Damage To Premises Rented To You

PROVISIONS

A. WHO IS AN INSURED – UNNAMED SUBSIDIARIES

The following is added to **SECTION II – WHO IS AN INSURED**:

Any of your subsidiaries, other than a partnership, joint venture or limited liability company, that is not shown as a Named Insured in the Declarations is a Named Insured if:

a. You are the sole owner of, or maintain an ownership interest of more than 50% in, such subsidiary on the first day of the policy period; and

b. Such subsidiary is not an insured under similar other insurance.

No such subsidiary is an insured for "bodily injury" or "property damage" that occurred, or "personal and advertising injury" caused by an offense committed:

a. Before you maintained an ownership interest of more than 50% in such subsidiary; or

b. After the date, if any, during the policy period that you no longer maintain an ownership interest of more than 50% in such subsidiary.

For purposes of Paragraph **1.** of Section **II** – Who Is An Insured, each such subsidiary will be deemed to be designated in the Declarations as:

a. An organization other than a partnership, joint venture or limited liability company; or

b. A trust;

as indicated in its name or the documents that govern its structure.

B. BLANKET ADDITIONAL INSURED – GOVERNMENTAL ENTITIES – PERMITS OR AUTHORIZATIONS RELATING TO OPERATIONS

The following is added to **SECTION II – WHO IS AN INSURED**:

Any governmental entity that has issued a permit or authorization with respect to operations performed by you or on your behalf and that you are required by any ordinance, law, building code or written contract or agreement to include as an additional insured on this Coverage Part is an insured, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" arising out of such operations.

The insurance provided to such governmental entity does not apply to:

a. Any "bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the governmental entity; or

b. Any "bodily injury" or "property damage" included in the "products-completed operations hazard".

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C. INCIDENTAL MEDICAL MALPRACTICE

1. The following replaces Paragraph **b.** of the definition of "occurrence" in the **DEFINITIONS** Section:

b. An act or omission committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to a person, unless you are in the business or occupation of providing professional health care services.

2. The following replaces the last paragraph of Paragraph **2.a.(1)** of **SECTION II – WHO IS AN INSURED**:

Unless you are in the business or occupation of providing professional health care services, Paragraphs **(1)(a)**, **(b)**, **(c)** and **(d)** above do not apply to "bodily injury" arising out of providing or failing to provide:

(a) "Incidental medical services" by any of your "employees" who is a nurse, nurse assistant, emergency medical technician or paramedic; or

(b) First aid or "Good Samaritan services" by any of your "employees" or "volunteer workers", other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

3. The following replaces the last sentence of Paragraph **5.** of **SECTION III – LIMITS OF INSURANCE**:

For the purposes of determining the applicable Each Occurrence Limit, all related acts or omissions committed in providing or failing to provide "incidental medical services", first aid or "Good Samaritan services" to any one person will be deemed to be one "occurrence".

4. The following exclusion is added to Paragraph **2.**, **Exclusions**, of **SECTION I – COVERAGES – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**:

Sale Of Pharmaceuticals

"Bodily injury" or "property damage" arising out of the violation of a penal statute or ordinance relating to the sale of pharmaceuticals committed by, or with the knowledge or consent of, the insured.

5. The following is added to the **DEFINITIONS** Section:

"Incidental medical services" means:

a. Medical, surgical, dental, laboratory, x-ray or nursing service or treatment, advice or instruction, or the related furnishing of food or beverages; or

b. The furnishing or dispensing of drugs or medical, dental, or surgical supplies or appliances.

6. The following is added to Paragraph **4.b.**, **Excess Insurance**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

This insurance is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to any of your "employees" for "bodily injury" that arises out of providing or failing to provide "incidental medical services" to any person to the extent not subject to Paragraph **2.a.(1)** of Section **II** – Who Is An Insured.

D. BLANKET WAIVER OF SUBROGATION

The following is added to Paragraph **8.**, **Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**:

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against such person or organization, but only for payments we make because of:

a. "Bodily injury" or "property damage" that occurs; or

b. "Personal and advertising injury" caused by an offense that is committed;

subsequent to the execution of the contract or agreement.

E. CONTRACTUAL LIABILITY – RAILROADS

1. The following replaces Paragraph **c.** of the definition of "insured contract" in the **DEFINITIONS** Section:

c. Any easement or license agreement;

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2. Paragraph **f.(1)** of the definition of "insured contract" in the **DEFINITIONS** Section is deleted.

F. DAMAGE TO PREMISES RENTED TO YOU

The following replaces the definition of "premises damage" in the **DEFINITIONS** Section:

"Premises damage" means "property damage" to:

a. Any premises while rented to you or temporarily occupied by you with permission of the owner; or

b. The contents of any premises while such premises is rented to you, if you rent such premises for a period of seven or fewer consecutive days.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

A. BROAD FORM NAMED INSURED
B. BLANKET ADDITIONAL INSURED
C. EMPLOYEE HIRED AUTO
D. EMPLOYEES AS INSURED
E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS
F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS
G. WAIVER OF DEDUCTIBLE – GLASS
H. HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT
I. PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT
J. PERSONAL PROPERTY
K. AIRBAGS
L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS
M. BLANKET WAIVER OF SUBROGATION
N. UNINTENTIONAL ERRORS OR OMISSIONS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph **c.** in **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.

C. EMPLOYEE HIRED AUTO

1. The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

   An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. The following replaces Paragraph **b.** in **B.5., Other Insurance**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

   b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

      (1) Any covered "auto" you lease, hire, rent or borrow; and

      (2) Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your

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permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph **A.1., Who Is An Insured**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS – INCREASED LIMITS

1. The following replaces Paragraph **A.2.a.(2)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

   (2) Up to $3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.

2. The following replaces Paragraph **A.2.a.(4)**, of **SECTION II – COVERED AUTOS LIABILITY COVERAGE**:

   (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to $500 a day because of time off from work.

F. HIRED AUTO – LIMITED WORLDWIDE COVERAGE – INDEMNITY BASIS

The following replaces Subparagraph **(5)** in Paragraph **B.7., Policy Period, Coverage Territory**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

(a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:

(i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.

(ii) Neither you nor any other involved "insured" will make any settlement without our consent.

(iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".

(iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph **C.**, Limits Of Insurance, of SECTION II – COVERED AUTOS LIABILITY COVERAGE.

(v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph **C.**, Limits Of Insurance, of SECTION II – COVERED AUTOS LIABILITY COVERAGE, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.

(b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.

(c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

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You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

(d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. **WAIVER OF DEDUCTIBLE – GLASS**

The following is added to Paragraph **D., Deductible**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. **HIRED AUTO PHYSICAL DAMAGE – LOSS OF USE – INCREASED LIMIT**

The following replaces the last sentence of Paragraph **A.4.b., Loss Of Use Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

However, the most we will pay for any expenses for loss of use is $65 per day, to a maximum of $750 for any one "accident".

I. **PHYSICAL DAMAGE – TRANSPORTATION EXPENSES – INCREASED LIMIT**

The following replaces the first sentence in Paragraph **A.4.a., Transportation Expenses**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

We will pay up to $50 per day to a maximum of $1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. **PERSONAL PROPERTY**

The following is added to Paragraph **A.4., Coverage Extensions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Personal Property

We will pay up to $400 for "loss" to wearing apparel and other personal property which is:

(1) Owned by an "insured"; and

(2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. **AIRBAGS**

The following is added to Paragraph **B.3., Exclusions**, of **SECTION III – PHYSICAL DAMAGE COVERAGE**:

Exclusion **3.a.** does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs **A.1.b.** and **A.1.c.**, but only:

a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;

b. The airbags are not covered under any warranty; and

c. The airbags were not intentionally inflated.

We will pay up to a maximum of $1,000 for any one "loss".

L. **NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS**

The following is added to Paragraph **A.2.a.**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

(a) You (if you are an individual);

(b) A partner (if you are a partnership);

(c) A member (if you are a limited liability company);

(d) An executive officer, director or insurance manager (if you are a corporation or other organization); or

(e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. **BLANKET WAIVER OF SUBROGATION**

The following replaces Paragraph **A.5., Transfer Of Rights Of Recovery Against Others To Us**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by

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such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph **B.2., Concealment, Misrepresentation, Or Fraud**, of **SECTION IV – BUSINESS AUTO CONDITIONS**:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

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TRAVELERS

ONE TOWER SQUARE
HARTFORD CT 06183

WORKERS COMPENSATION
AND
EMPLOYERS LIABILITY POLICY

ENDORSEMENT WC 00 03 13 (00) - 001

POLICY NUMBER: **UB-0L885804-19-25-D**

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

SCHEDULE

DESIGNATED PERSON:

DESIGNATED ORGANIZATION:

ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS AGREED BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH THIS WAIVER.

ENDORSEMENT #022

This endorsement, effective 12:01 a.m., December 31, 2019, forms a part of Policy No. CEO742057005 issued to OHL USA, INC. by Indian Harbor Insurance Company.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

MANUSCRIPT ENDORSEMENT – AMENDMENT TO SUBROGATION CONDITION

This endorsement modifies insurance provided under the following:

PA/CE Plus: Professional Activities/Complete Execution + Pollution (Occurrence)

PROFESSIONAL & POLLUTION LIABILITY FOR CONSTRUCTION CONTRACTORS AND CONSTRUCTION SUPPORT SERVICES PROVIDERS

In consideration of the premium charged, it is hereby understood and agreed that Section 7: CONDITIONS, O. Subrogation, is deleted in its entirety and replaced with the following:

Subrogation **O.** In the event of any payment under this policy, we will be subrogated to all of the **Insured's** rights of recovery against any person or organization and the **Insured** will execute and deliver instruments and papers and do whatever else is necessary to secure such rights. The **Insured** will do nothing at any time to prejudice our subrogation rights.

However, we waive our right(s) of recovery against any person or organization included in the definition of an **Insured** or against the **Insured's Clients** including, but not limited to those named in the Schedule below, if prior to a **Professional Liability Claim**, a waiver of subrogation was so required and accepted under a specific contractual undertaking by the **Insured**.

Under Section 1: What We Cover: D. Pollution Loss Coverage, we waive our right(s) of recovery against any person or organization included in the definition of an **Insured** or against the **Insured's Clients** including, but not limited to those named in the Schedule below, if prior to the **Pollution Claim**, a waiver of subrogation was required and accepted under a specific contractual undertaking by the **Insured**.

All other terms, conditions and exclusions of this policy remain unchanged.

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4. Other Insurance

If valid and collectible other insurance is available to the insured for a loss we cover under Coverages **A** or **B** of this Coverage Part, our obligations are limited as described in Paragraphs **a.** and **b.** below.

As used anywhere in this Coverage Part, other insurance means insurance, or the funding of losses, that is provided by, through or on behalf of:

(i) Another insurance company;

(ii) Us or any of our affiliated insurance companies, except when the Non cumulation of Each Occurrence Limit provision of Paragraph **5.** of Section **III** – Limits Of Insurance or the Non cumulation of Personal and Advertising Injury Limit provision of Paragraph **4.** of Section **III** – Limits of Insurance applies because the Amendment – Non Cumulation Of Each Occurrence Limit Of Liability And Non Cumulation Of Personal And Advertising Injury Limit endorsement is included in this policy;

(iii) Any risk retention group; or

(iv) Any self-insurance method or program, in which case the insured will be deemed to be the provider of other insurance.

Other insurance does not include umbrella insurance, or excess insurance, that was bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

As used anywhere in this Coverage Part, other insurer means a provider of other insurance. As used in Paragraph **c.** below, insurer means a provider of insurance.

a. Primary Insurance

This insurance is primary except when Paragraph **b.** below applies. If this insurance is primary, our obligations are not affected unless any of the other insurance is also primary. Then, we will share with all that other insurance by the method described in Paragraph **c.** below, except when Paragraph **d.** below applies.

b. Excess Insurance

(1) This insurance is excess over:

(a) Any of the other insurance, whether primary, excess, contingent or on any other basis:

(i) That is Fire, Extended Coverage, Builder's Risk, Installation Risk or similar coverage for "your work";

(ii) That is insurance for "premises damage";

(iii) If the loss arises out of the maintenance or use of aircraft, "autos" or watercraft to the extent not subject to any exclusion in this Coverage Part that applies to aircraft, "autos" or watercraft;

(iv) That is insurance available to a premises owner, manager or lessor that qualifies as an insured under Paragraph **4.** of Section **II** – Who Is An Insured, except when Paragraph **d.** below applies; or

(v) That is insurance available to an equipment lessor that qualifies as an insured under Paragraph **5.** of Section **II** – Who Is An Insured, except when Paragraph **d.** below applies.

(b) Any of the other insurance, whether primary, excess, contingent or on any other basis, that is available to the insured when the insured is an additional insured, or is any other insured that does not qualify as a named insured, under such other insurance.

(2) When this insurance is excess, we will have no duty under Coverages **A** or **B** to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

(3) When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

(a) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

(b) The total of all deductible and self-insured amounts under all that other insurance.

(4) We will share the remaining loss, if any, with any other insurance that is not described in this Excess Insurance provision and was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

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c. Method Of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

d. Primary And Non-Contributory Insurance If Required By Written Contract

If you specifically agree in a written contract or agreement that the insurance afforded to an insured under this Coverage Part must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such insured which covers such insured as a named insured, and we will not share with that other insurance, provided that:

(1) The "bodily injury" or "property damage" for which coverage is sought occurs; and

(2) The "personal and advertising injury" for which coverage is sought is caused by an offense that is committed;

subsequent to the signing of that contract or agreement by you.

5. Premium Audit

a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.

b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.

c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

6. Representations

By accepting this policy, you agree:

a. The statements in the Declarations are accurate and complete;

b. Those statements are based upon representations you made to us; and

c. We have issued this policy in reliance upon your representations.

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

a. As if each Named Insured were the only Named Insured; and

b. Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V – DEFINITIONS

1. "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:

a. Notices that are published include material placed on the Internet or on similar electronic means of communication; and

b. Regarding websites, only that part of a website that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.

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POLICY NUMBER: VTC2K-CO-3K992299-IND-19 ISSUE DATE: 03-19-20

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED ENTITY – NOTICE OF CANCELLATION PROVIDED BY US

This endorsement modifies insurance provided under the following:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

SCHEDULE

CANCELLATION: **Number of Days Notice of Cancellation:** 30

PERSON OR ORGANIZATION:

The Illinois State Toll Highway Authority together with its officials, directors & Employees

ADDRESS:

Illinois Tollway
2700 Ogden Avenue Downers Grove, IL 60515

PROVISIONS:

If we cancel this policy for any statutorily permitted reason other than nonpayment of premium, and a number of days is shown for cancellation in the schedule above, we will mail notice of cancellation to the person or organization shown in the schedule above. We will mail such notice to the address shown in the schedule above at least the number of days shown for cancellation in the schedule above before the effective date of cancellation.

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GENERALI
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CONSTRUCTION ALL RISKS INSURANCE BINDER

RISK DETAILS

POLICY HOLDER:	Judlau Contracting Inc.
BROKER:	Aon Construction Services
TYPE:	CONSTRUCTION/ERECTION "ALL RISKS" AND EXISTING PROPERTY INSURANCE.
POLICY NUMBER:	CAR700177
INSURED:	(i) Judlau Contracting Inc., 26-15 Ulmer Street, College Point, NY 11354 (ii) Illinois State Toll Highway Authority as Principal / Owner (iii) (a) Sub-Contractors of any tier (b) Architects and/or Consultants and/or Design Bureaux and/or Suppliers not forming part of (i) above for their site activities only but only to the extent that the Insured sub (i) has, by contract or agreement, agreed to provide such party (ies) with the benefit of this insurance (or part thereof). (iv) Any other party having an insurable interest (and not mentioned above) to the extent that the Insured sub (i) is required by contract or agreement to provide insurance to such party(ies).
PROJECT NAME AND LOCATION:	All works and temporary works in connection with contract I-17-4339, Tri-State Tollway, South of Grand Avenue to Wolf Road, Western Access Tollway (1-490), Ramp S1 And Ramp S2, in Cook County, Illinois.
POLICY PERIOD:	Construction / Erection Period: From September 14th, 2020 to December 01st , 2023, 00:01 am, both days Local Standard Time at Insured Contract Site. Extensions to the policy period are covered automatically subject to additional premium as per point 12 of the General Conditions, or to be agreed by Insurers.
INSURANCES:	**Section I – Construction "All Risks" (Builders Risk):** $ 151,574,099 corresponding to the Estimated Contract Value

GENERALI
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CONSTRUCTION ALL RISKS INSURANCE BINDER

RISK DETAILS

Section II - Existing Property/Handed Over Property/Property in the Insureds Care, Custody or Control

$2,500,000 any one occurrence on a first loss basis.

DEDUCTIBLES:

Section I – Construction "All Risks" (Builders Risk)

(i) $ 85,000 each and every occurrence in respect of Storm, Tempest, Flood and Water Damage, Subsidence, Collapse, Earthquake and Defective Design, Workmanship or Materials.

(ii) $22,000 each and every other occurrence

N.B. "Water Damage" as referred to above shall not include the bursting or overflowing of water tanks, apparatus or pipes.

Section II - Existing Property:

$ 11,000 each and every occurrence

PREMIUM:

$ TBA - calculated and adjustable at a rate of %o (per mile) on the Final Contract Price, estimated at inception to be $151,574,099

Premium payable at inception.

TERRITORIAL LIMITS:

Anywhere in the United States of America including all Inland Transits and Offsite Storage therein. The Offsite limit is $5,500,000

LAW AND JURISDICTION:

This Insurance is governed and construed in accordance with the laws of the state of Illinois.

In the event of dispute hereunder, each party agrees to submit to the courts of the state of Illinois.

Insurer – Assicurazioni Generali S.p.A

Rob Harry July 10, 2020
Underwriter Name and Date

EVIDENCE OF PROPERTY INSURANCE

DATE (MM/DD/YYYY): 07/28/2020

THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS EVIDENCE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE ADDITIONAL INTEREST.

AGENCY

Aon Risk Services Northeast, Inc.
New York NY Office
One Liberty Plaza
165 Broadway, Suite 3201
New York NY 10006 USA

PHONE (A/C, NO, Ext): (866) 283-7122

FAX (A/C, No): (800) 363-0105

E-MAIL ADDRESS:

CODE:

SUB CODE:

AGENCY CUSTOMER ID #: 570000065622

COMPANY

Generali-U.S. Branch

INSURED

Judlau Contracting, Inc.
26-15 Ulmer Street
College Point NY 11356 USA

LOAN NUMBER

POLICY NUMBER: CAR700177

EFFECTIVE DATE: 09/14/2020

EXPIRATION DATE: 12/01/2023

☐ CONTINUED UNTIL TERMINATED IF CHECKED

THIS REPLACES PRIOR EVIDENCE DATED:

Holder Identifier :

Certificate No : 570083014263

PROPERTY INFORMATION

LOCATION/DESCR PTION

Re: Contract #: I-17-4339 Elgin O'Hare West Access Tollway (I-490) Roadway & Bridge Widening & Reconstruction, Tri-State Tollway South of Grand Avenue to Wolf Road Western Access Tollway (I-490) Ramp S1 & Ramp S2 Mile Post 35.04 to Mile Post 36.70 Mile Post 00.00 To Mile Post 00.25

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS EVIDENCE OF PROPERTY INSURANCE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLA MS.

COVERAGE INFORMATION

PERILS INSURED ☐ BASIC ☐ BROAD ☐ SPECIAL ☐

COVERAGES/PERILS/FORMS	AMOUNT OF INSURANCE	DEDUCTIBLE
Builders Risk Coverage Loss Limit BR	$ 151,574,099	

REMARKS (Including Special Conditions)

Named Insureds The Illinois State Toll Highway Authority, Judlau Contracting, Inc., and any sub-contractor of any tier to the extent of their insurable interest in the work & pre-existing structures(s).

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

ADDITIONAL INTEREST

NAME AND ADDRESS

The Illinois State Toll Highway Authority
Attention: Risk Management
2700 Ogden Avenue
Downers Grove IL 60515 USA

☐ ADDITIONAL INSURED ☐ LENDER'S LOSS PAYABLE ☐ LOSS PAYEE
☐ MORTGAGEE ☐

LOAN #

AUTHORIZED REPRESENTATIVE

Aon Risk Services Northeast, Inc.

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