RESOLUTION NO. 21976

Background

The Illinois State Toll Highway Authority ("Tollway") advertised for sealed bids on Contract I-18-4704 for Advance Earthwork, Drainage and Retaining Wall Construction on the Elgin O'Hare Western Access (I-490), Mile Post 4.3 (Devon Ave.) to Mile Post 5.6 (South of Touhy Ave.). The lowest responsive and responsible bidder on Contract No. I-18-4704 is Curran Contracting Company, in the amount of $48,248,248.00.

Resolution

Contract No. I-18-4704 is awarded to Curran Contracting Company, in the amount of $48,248,248.00, subject to (i) final determination by the State of Illinois' Chief Procurement Officer for General Services ("CPO-GS") of any protest pertaining, in any way, to the solicitation of, or award of, Contract No. I-18-4704, and (ii) all required approvals, the contractor satisfying applicable DBE, financial and all other contract award requirements, and execution of all contract documents by the Tollway and the bidder.

Regarding (i) above, if the CPO-GS grants any protest pertaining to the solicitation of, or award of, Contract No. I-18-4704, the Executive Director is authorized to approve an award of Contract No. I-18-4704 consistent with the CPO-GS's final determination and in accordance with the applicable contract award requirements, and execution of all contract documents by the Tollway and the bidder that successfully protested the solicitation and/or award. The Chairman/Chief Executive Officer of the Tollway is authorized to execute any contract awarded to said 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.

Regarding (ii) above, if Curran Contracting Company 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

RESOLUTION NO. 21976

Resolution – continued

contract award requirements, and execution of all contract documents by the Tollway and the bidder. 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

ILLINOIS TOLLWAY
2700 Ogden Avenue, Downers Grove, IL 60515
(630) 241-6800 • illinoistollway.com

November 10, 2020

Nick Schram
Vice President
Curran Contracting Company
286 Memorial Court
Crystal Lake, Illinois 60014

Re: Construction Contract I-18-4704
Western Access Tollway (I-490) Advance Earthwork
Drainage and Retaining Wall Construction
Devon Ave. to South of Touhy Ave.
Mile Post 4.3 to Mile Post 5.6

CONDITIONAL NOTICE TO PROCEED

Dear Mr. Schram:

As of this date, with receipt of all the executed Contract Documents, in accordance with Section 103.08 of the Tollway Supplemental Specifications and S.P. 104 of the Contract Requirements, the Work commencement date is hereby set forth as November 10, 2020. Construction of the Work can commence and the terms and conditions of your Contract Documents become effective on this date. A duplicate original of the contract will be available for you via eBuilder.

This contract is subject to the Illinois Procurement Code 30 ILCS 500. This code requires the General Contractor to submit certification/disclosure forms from subcontractors of all tiers, whose contract value exceeds $50,000. Truckers and suppliers are exempt from the certification /disclosure requirement. The e-Builder A-15 (Subcontractor Approval) and FDR (Financial Disclosure Review) processes are the vehicles to request approval of a subcontractors and for submittal of certification/disclosure forms. Subcontractors who have not been approved in the e-Builder A-15 process or have not submitted certifications/disclosures in an acceptable format will not be allowed to start work.

Upon request, a copy of the sub-contract agreement must be submitted within fifteen (15) days after execution of the contract, or after execution of the sub-contract, whichever is later, for those sub-contracts with an annual value of more than $50,000.

In accordance with the Contractor's Quality Program Manual, Section 3.3 – Submittal – we are requesting submittal of your Contractor's Quality Plan via the Tollway's Web-Based Project Management System (E-Builder), within fourteen (14) days of receiving this Notice to Proceed, for approval by the Chief Engineering Officer.

Pursuant to Supplemental Specification Section 107.27 and the Contract Special Provision Article S.P. 107.1 and S.P. 107.2, Engineering Professional Liability and/or Environmental Protection insurance is required as specified in the respective Special Provisions. As of the date of this letter, the required Engineering Professional Liability and/or Environmental Protection insurance documentation has not been provided. Therefore you are not authorized to start with any of the work associated with the Special Provisions 107.1 and or 107.2 until such time as the proper insurance documentation has been submitted and approved by the Tollway.

Baseline schedule for the scope of this contract will be required to be submitted to the Engineer within 14 calendar days of the issuance of the Notice to Proceed per Tollway Supplemental Spec. 108.02.

As provided in Special Provision 103.1 and Article 108.05 of the Tollway Supplemental Specifications, the completion date for this project is hereby fixed at April 8, 2022.

Sincerely,

[redacted]

Eric Occomy
Chief of Contract Services

EO: ml

cc Mustafa Hassan
John Szabo
Contract Services
Lt. Robert Meeder
Eleanor Curcuro
John Stevens
Dorothy Jablonski
Chief Engineering Officer

File: 03.4704.01.03 LT_Tollway_EO_4704CurranContracting-ConditionalNTP_11102020

RETURN WITH BID

CONTRACT I-18-4704

WESTERN ACCESS TOLLWAY (I-490)

ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6



Illinois Tollway
2700 Ogden Avenue Downers Grove, IL 60515

VOLUME I

REQUIRED DOCUMENTS

Pilot Project

ADDENDUM NO. No. 2
TO
CONTRACT REQUIREMENTS
FOR CONTRACT I-18-4704
ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: 1/3/2020

For which proposals will be received by the Illinois State Toll Highway Authority at its offices, 2700 Ogden Avenue, Downers Grove, Illinois 60515 until 10:30:00 A.M. local time, **January 10, 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 P-5R, P-12R, P-13R, P-19RR and P-20RR 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-8R, J-11R, J-68R, J-69R, J-78R through J-81R, J-116R, J-177R, J-197R J-235R, J-468R, J-477R, J-594R through J-597R, J-633R through J-666R, J-865R, J-870R, J-876R, J-889R through J-891, J-976R through J-992R, J-1000R, J-1004R, J-1041R, and J-1064R through J-1077R.

3. The following new Special Provision pages are included in the Contract with this Addendum: J-81A, J-666A, J-666B, J-1077A and J-1077B

4. The following revised Contract Drawings are included in this Addendum:
   Volume 1– Drawings 8, 12,13, 20, 122 and 182
   Volume 2 – Drawing 447
   Volume 3 – Drawings 522, 524, 525, 527 through 535, 537, 539, 540, 543, 547, 548, 585, 586, 592, 596, 597, 601, 602, 621, 623, 624, 626, and 635

5. Revised Contract Drawings 14 through 19 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.

6. The following revised Electronic Data Files are included in this Addendum:
   4678-N07A-ExistGroundStripped_Signed.xml

7. Responses to Request for Information received from the Plan Holders are included in this Addendum.

CHANGES TO THE CONTRACT REQUIREMENTS

CHANGES TO THE SCHEDULE OF PRICES

SUMMARY OF REVISIONS TO PAY ITEMS QUANTITIES						
SP. PROV. *	PAY ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	CHANGE	NEW QUANTITY
*	**20200100**	EARTH EXCAVATION	CU. YD.	420,422	-4,753	415,669
*	**20400800**	FURNISHED EXCAVATION	CU. YD.	110,429	2,915	113,344
*	**X6640500**	CHAIN LINK GATE ASSEMBLY (SPECIAL)	EACH	4	4	8
*	**Z0055905**	TEMPORARY CONSTRUCTION FENCE	FOOT	2,354	1,850	4,204
*	**JA000395**	WATER TRANSMISSION MAIN PROTECTION	L SUM	0	1	1
*	**JI211110**	TOPSOIL EXCAVATION AND PLACEMENT	CU. YD.	22,664	-248	22,416
*	**JI211112**	TOPSOIL EXCAVATION AND DISPOSAL	CU. YD.	21,757	915	22,672
*	**JT154079**	ALLOWANCE FOR AIRPORT FACILITY DEMOLITION AND RELOCATION	UNIT	200,000	100,000	300,000
*	**JT154103**	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	300,000	50,000	350,000
*	**JT154168**	ALLOWANCE FOR HAUL ROAD MAINTENANCE	UNIT	100,000	100,000	200,000

* Denotes Special Provision

Change #1 Contract Requirements, Volume I, pages P-5, P-12, P-13, P-19R and P-20R replaced with pages P-5R, P-12R, P-13R, P-19RR and P-20RR. This replacement contains the following revision (attached):

1.1. Revised the quantities as stated in the above SUMMARY OF REVISIONS TO PAY ITEMS QUANTITIES table.

Change #2 Contract Requirements, Volume I, page P-19R replaced with page P-19RR. This replacement contains the following revision (attached):

2.1 Added pay item 999NEG25 for NON-COMPLIANCE WITH WATER TRANSMISSION MAIN PROTECTION SPECIAL PROVISION due to revised S.P. for Water Transmission Main Protection.

CHANGES TO THE CONTRACT SPECIAL PROVISIONS

Change #3 Contract Requirements, Volume II, replace pages J-8 and J-11 with pages J-8R and J-11R. This replacement contains the following revisions (attached):

3.1. Revised S.P. 106 Cooperation with Utilities and Others to clarify the date of work restriction for Location 1.

3.2. Revised Estimated Utility adjustment dates for ComEd – O'Hare and BP Pipelines.

Change #4 Contract Requirements, Volume II, replace pages J-68 and J-69 with pages J-68R and J-69R. This replacement contains the following revision (attached):

4.1. Revised S.P. 118 Right-of-Way to upgrade the Project Acquisition Date and Contractor Access Date for the access of proposed right-of-way and easement.

Change #5 Contract Requirements, Volume II, replace pages J-78 through J-81 with pages J-78R through J-81R and add the new page J-81A. This revised and new page contains the following information (attached):

5.1. S.P. for **WATER TRANSMISSION MAIN PROTECTION**, replaced entire Special Provision with new requirements concerning protection for the NSMJAWA Transmission Main including non-compliance fines and changed the basis of payment from project incidental to specific pay item (JA000395, WATER TRANSMISSION MAIN PROTECTION).

Change #6 Contract Requirements, Volume II, replace page J-116 with page J-116R. This replacement contains the following revision (attached):

6.1. Change coarse aggregate gradation requirement to CA16 from CA14 for Porous Granular Backfill, Special.

Change #7 Contract Requirements, Volume II, replace page J-177 with page J-177R. This replacement contains the following revision (attached):

7.1. Revised first paragraph of Concrete Stain to clarify staining requirements for all retaining walls.

Change #8 Contract Requirements, Volume II, replace page J-197 with page J-197R. This replacement contains the following revision (attached):

8.1. Revised Basis of Payment to include ladder rungs, safety cages, structural steel plate and anchor bolts as incidental to Junction Chambers.

Change #9 Contract Requirements, Volume II, replace page J-235 with page J-235R. This replacement contains the following revision (attached):

9.1. Revised Allowance for Haul Road Maintenance to include the maintenance and cleaning of existing culverts along haul road.

Change #10 Contract Requirements, Volume III, replace page J-468 with page J-468R. This replacement contains the following revision (attached):

10.1. Paragraph 2.1 A – added Manufacturer.

Change #11 Contract Requirements, Volume III, replace page J-477 with page J-477R. This replacement contains the following revision (attached):

11.1. Paragraph 2.1.B.2 – changes to Temporary Roof Membrane installation.

Change #12 Contract Requirements, Volume IV, replace pages J-594 through J-597 with pages J-594R through J-597R. This replacement contains the following revisions (attached):

12.1. This Specification Section 10510 Solid Phenolic Lockers has been modified to reflect current Chicago Department of Aviation (CDA) requirements. For the convenience of the bidder, the entire Specification has been included. The following pages have modifications: J-594R through J-596R. The following pages have no modifications: J-597R.

Change #13 Contract Requirements, Volume IV, replace pages J-633 through J-666 with pages J-633R through J-666R and add new pages J-666A and J-666B. This replacement contains the following revision (attached):

13.1. This Specification Section 13850 Building Automation System has been modified to reflect current Chicago Department of Aviation (CDA) requirements. For the convenience of the bidder, the entire Specification has been included. The following pages have modifications: J-633R through J-638-R, J-640R through J-648R, J-652R through J659R, J661R through J-662R, J-664R through J-666B. The following pages have no modifications: J-639R, J-649R through J651R, J-660R, and J-663R.

Change #14 Contract Requirements, Volume V, replace page J-865 with page J-865R. This replacement contains the following revision (attached):

14.1. Paragraph 2.1 A 14 updated Manufacturers.

Change #15 Contract Requirements, Volume V, replace page J-870 with page J-870R. This replacement contains the following revision (attached):

15.1. Added Paragraph 2.9 B, and Paragraphs 2.9D through 2.9 E.

Change #16 Contract Requirements, Volume V, replace page J-876 with page J-876R. This replacement contains the following revision (attached):

16.1. Added Paragraph 3.10 A.

Change #17 Contract Requirements, Volume V, replace page J-889 with page J-889R. This replacement contains the following revision (attached):

17.1. Revised paragraph 2.2 A 5 to update Manufacturers.

Change #18 Contract Requirements, Volume V, replace page J-890 through J-891 with pages J-890R through J-891R. This replacement contains the following revisions (attached):

18.1. Added Paragraph 3.2 A Concrete Bases

18.2. Added Paragraph 3.2 F

18.3. Revised section 3.4 Connections

Change #19 Contract Requirements, Volume VI, replace pages J-976 through J-992 with pages J-976R through J-992R. This replacement contains the following revision (attached):

19.1. This Specification Section 15732 Packaged Outdoor AHUs has been modified to reflect current Chicago Department of Aviation (CDA) requirements. For the convenience of the bidder, the entire Specification has been included. This Section Name was incorrect in the header, hence replacing the entire section. The following pages have modifications: J-979R through J-981R, J-985R. The following pages have no modifications: J-976R through J-978R, J-982R through J-984R, J-986R through J-892R.

Change #20 Contract Requirements, Volume VI, replace page J-1000 with page J-1000R. This replacement contains the following revision (attached):

20.1. Revised paragraph 2.1 A to update Manufacturers.

Change #21 Contract Requirements, Volume VI, replace page J-1004 with page J-1004R. This replacement contains the following revision (attached):

21.1. Revised paragraph 2.1 A to update Manufacturers.

Change #22 Contract Requirements, Volume VI, replace page J-1041 with page J-1041R. This replacement contains the following revision (attached):

22.1. Revised paragraph 2.1 A to update Manufacturers

Change #23 Contract Requirements, Volume VI, replace pages J-1064 through J-1077 with pages J-1064R through J-1077R and add new pages J-1077A and J-1077B. This replacement contains the following revision (attached):

23.1. This Specification Section 15950 Temperature Controls has been modified to reflect current Chicago Department of Aviation (CDA) requirements. For the convenience of the bidder, the entire Specification has been included. The following pages have modifications: J-1064R through J-1067R, J-1069R through J-1072R, J-1975R through J-1076R, J-1077A through J-1077B. The following pages have no modifications: J-1068R, J-1073R through J-1074R, J-1077R.

CHANGES TO THE CONTRACT DRAWINGS

Change #24 Contract Plans, Volume 1, Drawing 8, Civil General Notes. This drawing contains the following revision (attached):

24.1. Updated/renumbered General Notes 1 through 7.

Change #25 Contract Plans, Volume 1, Drawings 12 and 13, Suggested Progress Schedule. These drawings contain the following revision (attached):

25.1. Progress Schedule revised to update anticipated work progress on various Locations due to the updated access dates to project right-of-way and easements.

Change #26 Contract Plans, Volume 1, Drawings 14 to 19, Summary of Quantities. These drawings contain the following revision and will be issued to successful bidder:

26.1. Summary of Quantity sheets updated with changes shown in the Summary of Revisions to Pay Item Quantities.

Change #27 Contract Plans, Volume 1, Drawing 20, Earthwork Schedule. This drawing contains the following revision (attached):

27.1. Revised Sheet. Earthwork Schedule of Quantities and Topsoil Placement Schedule have been revised.

Change #28 Contract Plans, Volume 1, Drawing 122, I-490 Utility Plan. This drawing contains the following revisions (attached):

28.1. Added dimension for NSMJAWA easement.
28.2. Added callout for Temporary Construction Fence for the NSMJAWA easement.
28.3. Showed new electrical lines for reference.
28.4. Showed new sanitary sewer work (previously shown on Drainage plans).
28.5. Added proposed water main and sanitary sewer symbols to the legend.
28.6. Added callout for the water tap – pressure connection.
28.7. Added Notes 3 and 4.
28.8. Showed fire hydrant (constructed under IN02 contract) west of K-9 building.
28.9. Added utility crossing numbers 20-23.
28.10. Showed proposed electric line (for reference only).

Change #29 Contract Plans, Volume 1, Drawing 182. Drainage Schedule. This drawing contains the following revision (attached):

29.1. Revised Sheet. Drainage Pipe Schedule revised to include Trench Backfill column. No change to pay item quantities.

Change #30 Contract Plans, Volume 2, Drawings 447. Junction Chamber 3 - Plan and Sections. This drawing contains the following revision (attached):

30.1. Revised Sheet. Added safety cage and revised an incorrect dimension.

Change #31 Contract Plans, Volume 3, Drawing 522, Overall Existing Conditions. This drawing contains the following revisions (attached):

31.1. Added note “The Contractor shall field locate each edge and the top of the 90” diameter NSMJAWA transmission main prior to starting any work on fence crossings within the easement. The Contractor shall notify the Engineer of any deviations from the existing main locations shown on the plans so the appropriate adjustments can be made”.
31.2. Added callout “Existing structural crossing over NSMJAWA easement – available for contractor use (until removed under IN02 contract)”
31.3. Added dimension of NSMJAWA easement width in two places.

Change #32 Contract Plans, Volume 3, Drawing 524, Removal Plan. This drawing contains the following revisions (attached):

32.1. Added Temporary Construction fence.
32.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
32.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
32.4. Added Temporary Construction Fence symbol to the legend.
32.5. Added dimension for NSMJAWA easement.
32.6. Added note “The Contractor shall field locate each edge and the top of the 90” diameter NSMJAWA transmission main prior to starting any work on fence crossings within the easement. The Contractor shall notify the Engineer of any deviations from the existing main locations shown on the plans so the appropriate adjustments can be made”.

Change #33 Contract Plans, Volume 3, Drawing 525, Removal Plan. This drawing contains the following revisions (attached):

33.1. Added a Temporary Construction Fence.
33.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
33.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
33.4. Updated Northing and Easting for roadway demolition.
33.5. Added dimension for NSMJAWA easement.
33.6. Added temporary construction fence symbol to the legend.
33.7. Added note “The Contractor shall field locate each edge and the top of the 90” diameter NSMJAWA transmission main prior to starting any work on fence crossings within the easement. The Contractor shall notify the Engineer of any deviations from the existing main locations shown on the plans so the appropriate adjustments can be made”.

Change #34 Contract Plans, Volume 3, Drawing 527, Site Plan. This drawing contains the following revisions (attached):

34.1. Moved curb 2 feet north at the south end of existing Mt. Prospect Road.
34.2. Moved concrete pad for explosive chamber approximately 23 feet north.
34.3. Added Note 2.
34.4. Added coordinate for corner of proposed C&G

Change #35 Contract Plans, Volume 3, Drawing 528, Site Plan. This drawing contains the following revisions (attached):

35.1. Added temporary construction fence.
35.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
35.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
35.4. Added “Chain Link gate Assembly (Special) (X6640500) Double-Leaf 16’ x 8’ with double locks (centered over field located water transmission line)”.
35.5. Added temporary construction fence symbol to the legend.

Change #36 Contract Plans, Volume 3, Drawing 529, Site Plan. This drawing contains the following revisions (attached):

36.1. Added temporary construction fence.
36.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
36.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
36.4. Added “Chain Link gate Assembly (Special) (X6640500) Double-Leaf 16’ x 8’ with double locks (centered over field located water transmission line)”.
36.5. Added dimension for NSMJAWA easement.
36.6. Added temporary construction fence symbol to the legend.
36.7. Driveway curb and gutter (by others) shaded (grey).
36.8. Added Note 2.

Change #37 Contract Plans, Volume 3, Drawing 530, Drainage and Utility Plan. This drawing contains the following revisions (attached):

37.1. Added light poles.
37.2. Provided space between Stormtech chamber rows to allow for light pole installation.
37.3. Added sequencing notes.
37.4. Added a note with HWL and detention storage.

Change #38 Contract Plans, Volume 3, Drawing 531, Drainage and Utility Plan. This drawing contains the following revisions (attached):

38.1. Added temporary construction fence.
38.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
38.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
38.4. Added “Chain Link gate Assembly (Special) (X6640500) Double-Leaf 16’ x 8’ with double locks (centered over field located water transmission line)”.
38.5. Added dimension for NSMJAWA easement.
38.6. Added temporary construction fence symbol to the legend.
38.7. Added electrical lines and handholes for reference.
38.8. Added light poles.
38.9. Added dimensions from building wall and Stormtech chambers to NSMJAWA easement.
38.10. Added sequencing notes.
38.11. Added existing inlet structure symbol, updated existing pipe flow direction.
38.12. Added a note with HWL and detention storage.
38.13. Added utility crossings 24-27.

Change #39 Contract Plans, Volume 3, Drawing 532, Drainage and Utility Plan. This drawing contains the following revisions (attached):

39.1. Updated invert elevations.
39.2. Revised S007 to a manhole type structure.
39.3. Updated rim elevation.
39.4. Changed S022 lid type from an open lid to a closed lid.
39.5. Added utility crossings 20-27.

Change #40 Contract Plans, Volume 3, Drawing 533, Grading Plan. This drawing contains the following revisions (attached):

40.1. Added temporary construction fence.
40.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
40.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
40.4. Added “Chain Link gate Assembly (Special) (X6640500) Double-Leaf 16’ x 8’ with double locks (centered over field located water transmission line)”.
40.5. Added dimension for NSMJAWA easement.
40.6. Added temporary construction fence symbol to the legend.
40.7. Added new Fence/Gate symbol to the legend.
40.8. Updated grading added flow direction symbols.
40.9. Showed Bioswale in the grading plan.
40.10. Showed bioswale flow direction arrows.

Change #41 Contract Plans, Volume 3, Drawing 534, Grading Detail. This drawing contains the following revisions (attached):

41.1. Added temporary construction fence.
41.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
41.3. Added dimension for NSMJAWA easement.
41.4. Added temporary construction fence symbol to the legend.
41.5. Updated grading plan.

Change #42 Contract Plans, Volume 3, Drawing 535, Landscaping Plan. This drawing contains the following revisions (attached):

42.1. Added temporary construction fence.
42.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
42.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
42.4. Added “Chain Link gate Assembly (Special) (X6640500) Double-Leaf 16’ x 8’ with double locks (centered over field located water transmission line)”.
42.5. Added dimension for NSMJAWA easement.
42.6. Added temporary construction fence symbol to the legend.
42.7. Added new Fence/Gate symbol to the legend.
42.8. Added Northing and Easting.

Change #43 Contract Plans, Volume 3, Drawing 537, Erosion Control Plan. This drawing contains the following revisions (attached):

43.1. Added temporary construction fence.
43.2. Added a note “Work Plan must be approved by NSMJAWA for construction operations within NSMJAWA easement.
43.3. Added callout “Existing Structural Crossing over NSMJAWA Easement – Available for Contractor use (until removed under IN02 Contract)”.
43.4. Added dimension for NSMJAWA easement.

Change #44 Contract Plans, Volume 3, Drawing 539, Pavement Marking Plan. This drawing contains the following revisions (attached):

44.1. Added Temporary Construction Fence
44.2. Added note “Work plan must be approved by NSMJAWA for construction operations within NSMJAWA easement”.
44.3. Added callout “Existing structural crossing over NSMJAWA Easement-Available for Contractor use (until removed under IN02 Contract).
44.4. Added “Chain Link Gate Assembly (Special) (X6640500) Double-Leaf 16’ x 8’ with double locks (centered over field located water transmission line).
44.5. Added dimension for NSMJAWA Easement.
44.6. Added Temporary Construction Fence symbol to the legend.
44.7. Added new Fence/Gate symbol to the legend.
44.8. Added (showed) new Fence in the drawing

Change #45 Contract Plans, Volume 3, Drawing 540, Civil Details. This drawing contains the following revision (attached):

45.1. Added detail for low-profile frame.

Change #46 Contract Plans, Volume 3, Drawing 543, Civil Details. This drawing contains the following revision (attached):

46.1. Created separate details for outlet structure east and west.

Change #47 Contract Plans, Volume 3, Drawing 547, Civil Details. This drawing contains the following revision (attached):

47.1. Information was provided for the outlet structure table.

Change #48 Contract Plans, Volume 3, Drawing 548, Civil Details. This drawing contains the following revision (attached):

48.1. Added detail for water pressure connection.

Change #49 Contract Plans, Volume 3, Drawing 585, Mechanical Piping First Floor Plan. This drawing contains the following revision (attached):

49.1. AC-1 and associated refrigerant piping removed from vault 102. Notes associated with equipment removed.

Change #50 Contract Plans, Volume 3, Drawing 586, Mechanical Piping Roof Plan. This drawing contains the following revision (attached):

50.1. ACCU-1 associated with AC-1 has been removed from roof.

Change #51 Contract Plans, Volume 3, Drawing 592, Mechanical Details. This drawing contains the following revision (attached):

51.1. Detail 6 (Split system refrigerant piping) has been removed.

Change #52 Contract Plans, Volume 3, Drawing 596, Mechanical Schedules. This drawing contains the following revision (attached):

52.1. Air conditioning unit schedule and Air-cooled condensing unit schedule have been removed.

Change #53 Contract Plans, Volume 3, Drawing 597, Temperature Controls. This drawing contains the following revisions (attached):

53.1. General page rearrangement.

53.2. Edit to General Note 2 – Added information on trending data, controls conduit, and future integration into the campus.

53.3. Phrases changed for clarification to Note 6.1, 6.2 and 6.3.

53.4. BAS architecture diagram added for clarification.

Change #54 Contract Plans, Volume 3, Drawing 601, Temperature Controls. This drawing contains the following revision (attached):

54.1. Removed split system refrigerant controls diagram.

Change #55 Contract Plans, Volume 3, Drawing 602, Temperature Controls. This drawing contains the following revision (attached):

55.1. Edits to Boiler/Snow melt sequence of operations for clarification.

Change #56 Contract Plans, Volume 3, Drawing 621, Electrical Site Plan. This drawing contains the following revisions (attached):

56.1. Relocate (2) handholes (S4 & P4) 20 feet to the west from original location.

56.2. Add (1) handhole (S5) Northwest of building serving Security and AT&T conduit.

Change #57 Contract Plans, Volume 3, Drawing 623, Electrical Power and Misc. Systems First Floor Plan. This drawing contains the following revisions (attached):

57.1. Change and relocate duplex outlet to quad for IT rack in Vault 103

57.2. Remove data outlet in Vault 103.

57.3. Add quad outlet for AT&T service in Vault 103.

57.4. Annotate to show (5) 4” C with a fire retardant plywood.

57.5. Add keynote 5 for plywood.

57.6. Add Telecommunication Ground Bus in Vault 103.

57.7. Add (1) quad and data outlet for laser printer in Office 100.

57.8. Remove electrical connection for indoor AC unit connection.

57.9. Remove keynote 4.

Change #58 Contract Plans, Volume 3, Drawing 624, Electrical Power and Lighting Protection Roof Plan. This drawing contains the following revision (attached);

58.1. Remove electrical connection for outdoor AC unit connection.

Change #59 Contract Plans, Volume 3, Drawing 626, Electrical Riser Diagram. This drawing contains the following revision (attached)

59.1. Modify Detail 2 to show Telecommunication Ground Bus.

Change #60 Contract Plans, Volume 3, Drawing 635, Electrical Panel Schedules. This drawing contains the following revisions (attached):

60.1. Modify circuit description for Panel RP-1 circuit number 7.
60.2. Modify circuit description and load for panel MP-1 circuit number 36.
60.3. Modify circuit description and load for panel RP-1 circuit number 45.
60.4. Remove and replace 20A/2P circuit breaker serving outdoor AC unit with (2) 20A/1P spare breakers.

CHANGES TO THE ELECTRONIC DATA FILES

Change #61 Electronic Data Files, 4678-N07A-ExistGroundStripped.xml. These files contain the following revision (posted to the Tollway's Online Plan Room):

Revised File. Revised 4678-N07A-ExistGroundStripped.xml to address locations where existing topsoil stripping had not been correctly incorporated into the surface.

END OF ADDENDUM CHANGES

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: January 3, 2020

RE: Requests for Information Received from Plan Holders
Contract I-18-4704

NOTICE TO PLAN HOLDERS

Since the issuance of Addendum #1, the following questions have been received from contractors interested in the Illinois Tollway Contract I-18-4704. The Illinois Tollway offers the following responses to all plan holders.

Question #1: In lieu of the pile CMP pile casings specified in the contract drawings to be installed around the bridge piling (Items JT512300 Pile Casing CMP 24" and JT512302 Pile Casing CMP 30"), please clarify if a "Yellow Jacket" type friction reduction pile sleeve would be allowed as an alternative.

Answer #1: The Yellow Jacket system is not an approved alternative. The bid proposal should be prepared based upon information contained in the Contract Documents.

Question #2: Please clarify the list of the locations and quantities at these locations for the Pay Item 52200020 Temp Soil Retention System.

Answer #2: The installation of the temporary soil retention system is as indicated on the following sheets and associated with jacking pit locations. Quantities are listed on the sheets.

- Volume 1 sheet DR-03
- Volume 2 sheet SJ-01
- Volume 2 sheet SJ-02
- Volume 2 sheet WM-04

Question #3: Please clarify the staining requirements for the MSE Wall "Formliner Finish" as the Contract Special Provisions discuss the concrete stain for a "cast-in-place retaining wall" and the future moment slab, however the MSE wall system staining is not discussed (i.e. Is the MSE wall to be stained? If so, what color stain system and what is the method of payment?)

Answer #3: The special provision, FORM LINER TEXTURED SURFACE AND FORM LINER TEXTURED SURFACE, SPECIAL has been revised to require staining of MSE walls. See revised special provision included as part of Addendum No. 2.

Question #4: Junction Chamber 2 (JI602792) and Junction Chamber 4 (JI602794) are shown to include a ladder with a safety cage, however Junction Chamber 3 (JI602793) only shows a ladder (without a safety cage). Please clarify the ladder and safety cage requirements for this contract.

Answer #4: The safety cage is required for Junction Chamber 3. The drawings have been updated as part of Addendum No. 2.

Question #5: Item X2090210 Porous Granular Backfill, Special is called out on J-116. The material is spec'd out as CA-14. We are being questioned by gravel pits, if that is really what the Tollway wants as it is not a normal material produced in the area. Can this material be changed to CA-16?

Answer #5: The special provision has been revised to require CA-16 in lieu of CA-14 material. See change to special provision as part of the Addendum No. 2.

Question #6: This project contains non special waste and storage tank removal. We currently don't have a pay item for ON-SITE MONITORING OF REGULATED SUBSTANCES. Will one be added? If a calendar day is the unit of measure, please clarify if a calendar day is a 12 hr period. If we double shift the work, will we be paid for 2 calendar days or one?

Answer #6: The work shall be performed in accordance with Section 669 of the IDOT Standard Specifications for Road and Bridge Construction Adopted April 1, 2016.

Question #7: Per Addendum 1 question 8 can you please provide the information that was used to determine the 32% DBE on this project. If we use a DBE building contractor and their subs are not DBE, we can't use much of those dollars to the goal. Also, this is a big dirt project and MSE wall project. We don't know any DBE wall installation subcontractors or dirt contractors. Can you please provide that information?

Answer #7: All the available information has been provided. The bid proposal should be prepared based upon information contained in the Contract Documents

Question #8: Can the South stockpile, located within the N09 Site, be used as Furnished Excavation?

Answer #8: The south stockpile is to be excavated to the lines and grades required in accordance with the contract plans. As such, the work is proposed to be measured and paid at the contract unit price for Earth Excavation (pay item 20200100) associated with Location 1. A 3D surface has been provided for the finished grade the south stockpile should be excavated to.

Question #9: Following a site visit, Stockpile #XX does not exist. Can the Tollway provide a month and year when Stockpile #XX will exist?

Answer #9: Stockpile #XX is not currently in place but will be in the location indicated by December 2020 for use in construction activities beginning in April 2020.

Question #10: In regard to Special Provision S.P. 106 (COOPERATION WITH UTILITIES AND OTHERS), work shall be restricted in Location 1 during the months of October to February 2021. Per Special Provision S.P 106.8 (COORDINATION WITH CHICAGO DEPARTMENT OF AVIATION (CDA)), work is restricted on Runway 9R Extension during the months of October through December 2021. Can the Tollway please verify the correct months of restricted work within Location 1?

Answer #10: Special Provision 106 has been revised to clarify the work restriction dates at Location 1. These dates will match what is shown on the schedule included in the contract plans for work restrictions. See Addendum No. 2.

Question #11: The roofing specification, 07550, is for roofing over a concrete roof deck while the drawings show a metal roof deck. The roof spec calls out for a "temporary roof membrane" to be heat applied to a concrete deck. Seeing that this is to be a metal roof deck, a substrate board is needed over the metal deck (I.e. 1/2" DensDeck Prime Roof Board). Please have the design team provide a roof spec that coincides with the drawings.

Answer #11: There is no concrete roof deck. Specification 07550 has been revised to include the ½ inch DensDeck Prime Roof Board or approved equal to the metal roof deck. See Addendum No. 2.

Question #12: Is ACH Foam-Control Plus+ Architectural Grade EPS an approved equivalent to the extruded polystyrene.

Answer #12: This product has been added to the specification. See Addendum No. 2.

Question #13: I was not able to find a Geotech report for Retaining Wall WA4.48R, SB in the Tollway Web site. Please advise how to proceed.

Answer #13: The geotechnical report for Retaining Wall WA4.48R, SB has been posted in the Tollway online plan room.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,533		
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	256		
*	20100500	TREE REMOVAL, ACRES	ACRE	1.2		
*	20200100	EARTH EXCAVATION	CU YD	415,669		
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	53,096		
*	20400800	FURNISHED EXCAVATION	CU YD	113,344		
	20800150	TRENCH BACKFILL	CU YD	7,089		
	20900110	POROUS GRANULAR BACKFILL	CU YD	500		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	649		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,946		
	25000750	MOWING	ACRE	45.0		
	28100207	STONE RIPRAP, CLASS A4	TON	2		
	28100209	STONE RIPRAP, CLASS A5	TON	266		
	28200200	FILTER FABRIC	SQ YD	22,373		
D1	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	13,697		
	31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	2,927		
	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	1,387		
	35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ YD	448		
D1	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	319		
D1	35501330	HOT-MIX ASPHALT BASE COURSE, 11 1/2"	SQ YD	1,258		
	40200710	AGGREGATE SURFACE COURSE, TYPE A 10"	SQ YD	10,704		
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5,299		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,644		
D1	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	874		
D1	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	287		
D1	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	36		
D1	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	141		
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,124		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	2,601		
	44000100	PAVEMENT REMOVAL	SQ YD	5,219		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3,479		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,254		
	44003100	MEDIAN REMOVAL	SQ FT	2,799		
	44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	176		
	44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	50		
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	50		
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	100		
	44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	174		
	50102400	CONCRETE REMOVAL	CU YD	6		
	50104400	CONCRETE HEADWALL REMOVAL	EACH	5		
	50105220	PIPE CULVERT REMOVAL	FOOT	180		
	50200100	STRUCTURE EXCAVATION	CU YD	18,760		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	13,697		
	50300225	CONCRETE STRUCTURES	CU YD	7.0		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	917		
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	7,371		
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	11,903		
	51202305	DRIVING PILES	FOOT	14,710		
	51203600	TEST PILE STEEL HP12X53	EACH	8		
	51203900	TEST PILE STEEL HP14X89	EACH	8		
	51204650	PILE SHOES	EACH	179		
*	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	24,120		
	54213729	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	EACH	1		
	5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	85		
	54261718	STEEL FLARED END SECTIONS 18"	EACH	1		
	542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	249		
	542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	296		
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	363		
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	301		
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	114		
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	67		
	550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	116		
	550A0210	STORM SEWERS, CLASS A, TYPE 1 60"	FOOT	308		
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	19		
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1,670		
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	2,301		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,057		
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	249		
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	1,139		
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	74		
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	993		
	550A0540	STORM SEWERS, CLASS A, TYPE 2 84"	FOOT	639		
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	10		
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	175		
	550A1050	STORM SEWERS, CLASS A, TYPE 4 36"	FOOT	57		
	550A1580	STORM SEWERS, CLASS A, TYPE 6 24"	FOOT	101		
	550A1640	STORM SEWERS, CLASS A, TYPE 6 42"	FOOT	178		
	550B0450	STORM SEWERS, CLASS B, TYPE 2 36"	FOOT	180		
	55100500	STORM SEWER REMOVAL 12"	FOOT	40		
	55100700	STORM SEWER REMOVAL 15"	FOOT	266		
	55100900	STORM SEWER REMOVAL 18"	FOOT	667		
	55101200	STORM SEWER REMOVAL 24"	FOOT	228		
*	55202184	STORM SEWERS JACKED IN PLACE, 84"	FOOT	623		
	56100500	WATER MAIN 4"	FOOT	74		
	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	212		
	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,659		
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4		
*	56400820	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	3		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	58700300	CONCRETE SEALER	SQ FT	100		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	747		
	60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	3,294		
	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	208		
	60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	340		
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER , TYPE 1 FRAME, OPEN LID	EACH	14		
	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4		
	60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9		
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60224457	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2		
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
	60234200	INLETS, TYPE A, TYPE I FRAME, OPEN LID	EACH	1		
	60255500	MANHOLES TO BE ADJUSTED	EACH	1		
	60500040	REMOVING MANHOLES	EACH	3		
	60500050	REMOVING CATCH BASINS	EACH	2		
	60500060	REMOVING INLETS	EACH	1		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	60600605	CONCRETE CURB, TYPE B	FOOT	197		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,294		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	50		
*	60617800	PAVED FLUME	FOOT	7		
	66400505	CHAIN LINK FENCE, 8'	FOOT	3,771		
	66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	14,196		
	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	25,000		
	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		
	66900530	SOIL DISPOSAL ANALYSIS	EACH	2		
	66900535	PRIORITY POLLUTANT GROUNDWATER ANALYSIS	EACH	2		
*	67201000	SEALING ABANDONED WATER WELLS	EACH	1		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	488		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	350		
	72000100	SIGN PANEL - TYPE 1	SQ FT	29		
	72400310	REMOVE SIGN PANEL TYPE 1	SQ FT	10		
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	44		
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	32		
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	9		
	72900100	METAL POST - TYPE A	FOOT	208		
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1		
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	558		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	8		
	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	218		
	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32		
	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	38		
	78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	77		
	78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	43		
	81023100	CONDUIT ENCASED, CONCRETE, 1" DIA., PVC 1 WIDE X 1 HIGH	FOOT	1,100		
D1	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		
*	K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	22		
*	K1001970	CA-7 WASHED GRAVEL FOR RAIN GARDEN	CU YD	932		
*	X0320239	CONCRETE WALL REMOVAL	FOOT	1,566		
*	X0321309	CONCRETE PAD	SQ YD	148		
*	X0322208	TEMPORARY STORM SEWER PLUGS	EACH	5		
*	X0323389	STORM SEWER CONNECTION	EACH	1		
*	X0325950	GATE VALVE 8" WITH VAULT, 5' DIAMETER	EACH	2		
*	X0326694	PLUG EXISTING STORM SEWERS	CU YD	6		
*	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	1,044		
*	X0540000	BRICK PAVERS	SQ FT	4,927		
*	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	233		
GBSP	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	609		
*	X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1		
*	X1200130	GATE VALVE 12" WITH VAULT, 5' DIAMETER	EACH	3		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	4,515		
*	X2090210	POROUS GRANULAR BACKFILL, SPECIAL	CU YD	19,128		
*	X2111110	TOPSOIL PLACEMENT	CU YD	8,500		
*	X2200003	FENCE (SPECIAL)	FOOT	55		
*	X2503000	MAINTENANCE MOWING	ACRE	49.0		
*	X2503110	MOWING (SPECIAL)	ACRE	1.0		
*	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	1,282		
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	267		
*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	1,299		
*	X5610716	WATER MAIN REMOVAL, 16"	FOOT	412		
*	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2		
*	X6026622	VALUE VAULTS TO BE REMOVED	EACH	3		
*	X6640308	CHAIN LINK GATES (SPECIAL)	EACH	1		
*	X6640500	CHAIN LINK GATE ASSEMBLY (SPECIAL)	EACH	8		
*	X6640570	CHAIN LINK FENCE, 8' (SPECIAL)	FOOT	556		
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		
*	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1		
*	Z0007602	BUILDING REMOVAL NO. 2	L SUM	1		
*	Z0022800	FENCE REMOVAL	FOOT	9,473		
*	Z0023800	FILLING EXISTING SEPTIC TANK	EACH	1		
*	Z0043500	PRECAST CONCRETE CAR BUMPER	EACH	33		
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	1,356		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	4,204		
*	Z0056602	STORM SEWER (WATER MAIN REQUIREMENTS) 4 INCH	FOOT	135		
*	Z0056700	SANITARY SEWER 4"	FOOT	41		
*	Z0056800	SANITARY SEWER 6"	FOOT	75		
*	Z0067900	STEEL CASING, 24"	FOOT	328		
*	JA000285	STEEL CASING PIPE, BORE AND JACK, 48"	FOOT	180		
*	JA000395	WATER TRANSMISSION MAIN PROTECTION	L SUM	1		
*	JA000479	ABANDON EXISTING WATER MAIN IN PLACE, 12"	FOOT	591		
*	JA000620	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1		
*	JF664001	AIRPORT FENCE, TYPE C	FOOT	2,601		
*	JF664002	AIRPORT FENCE GATE, TYPE C	EACH	3		
*	JI210100	GEOTECHNICAL FABRIC, SPECIAL	SQ YD	28,592		
*	JI211110	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	22,416		
*	JI211112	TOPSOIL EXCAVATION AND DISPOSAL	CU YD	22,672		
*	JI213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	600		
*	JI213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	600		
*	JI251010	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	394,942		
*	JI485010	TEMPORARY PAVEMENT, CLASS 1	SQ YD	448		
*	JI522500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	122,925		
*	JI522505	TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	25,450		
*	JI561015	DUCTILE IRON WATER MAIN 12" IN STEEL CASING 24"	FOOT	111		
*	JI601305	PIPE UNDERDRAINS, 8" (SPECIAL)	FOOT	71		
*	JI601307	PIPE UNDERDRAINS, DIRECTIONALLY BORED, 8"	FOOT	338		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JI601325	PIPE UNDERDRAINS, FABRIC LINED TRENCH 8"	FOOT	1,766		
*	JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH	9		
*	JI602128	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE 20A FRAME AND GRATE	EACH	21		
*	JI602130	CATCH BASINS, TYPE G-4, TYPE G-3 FRAME AND GRATE	EACH	7		
*	JI602184	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20A FRAME AND GRATE	EACH	11		
*	JI602190	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE G-3 FRAME AND GRATE	EACH	2		
*	JI602200	CATCH BASINS, TYPE A, 4'-DIAMETER, SPECIAL	EACH	11		
*	JI602700	DRAINAGE STRUCTURES, TYPE 4 WITH ONE TYPE 20A FRAME AND GRATE	EACH	2		
*	JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAME AND GRATE	EACH	1		
*	JI602791	JUNCTION CHAMBER, LOCATION 1	EACH	1		
*	JI602792	JUNCTION CHAMBER, LOCATION 2	EACH	1		
*	JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1		
*	JI602794	JUNCTION CHAMBER, LOCATION 4	EACH	1		
*	JI602801	CATCH BASINS, TYPE G-4, TYPE 20A FRAME AND GRATE	EACH	5		
*	JI664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	12,151		
*	JI664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	15		
*	JI664315	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	17		
*	JI664320	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	5		
*	JI664335	DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	7		
*	JI680004	HEADWALL TYPE I, 24"	EACH	1		
*	JI680011	HEADWALL TYPE II, 48"	EACH	1		
*	JI680070	HEADWALL TYPE III, 36”, 1:3	EACH	11		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JI680071	HEADWALL TYPE III, 42", 1:3	EACH	1		
*	JI680072	HEADWALL TYPE III, 48", 1:3	EACH	4		
*	JI680120	SLOPED HEADWALL TYPE III, 6", 1:3	EACH	1		
*	JI680123	SLOPED HEADWALL TYPE III, 18", 1:3	EACH	1		
*	JI680125	SLOPED HEADWALL TYPE III, 24", 1:3	EACH	1		
*	JI680127	SLOPED HEADWALL TYPE III, 30", 1:3	EACH	2		
**	JS107360	DUST CONTROL WATERING	UNIT	5,431		
**	JS120610	HEADWALL GRATES	POUND	736		
**	JS121101	DRILL AND GROUT DOWEL BARS AND ANCHOR RODS	EACH	16		
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL MO	18		
**	JS280030	EROSION AND SEDIMENT CONTROL - EXCAVATION	CU YD	2,189		
**	JS280040	EROSION AND SEDIMENT CONTROL - CLEANOUT	CU YD	2,225		
**	JS280050	SILT FENCE	FOOT	16,498		
**	JS280051	RE-ERECT SILT FENCE	FOOT	3,531		
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1,498		
**	JS280080	FLOTATION BOOM	FOOT	165		
**	JS280100	SUPER SILT FENCE	FOOT	794		
**	JS280110	TEMPORARY PIPE SLOPE DRAINS	FOOT	395		
**	JS280140	TEMPORARY RIPRAP	TON	487		
**	JS280151	SAME-DAY STABILIZATION	SQ YD	101,640		
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	9		
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	85		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	1,160		
**	JS670CMO	FIELD OFFICE, TYPE C (MODIFIED)	CAL MO	18		
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SUM	1		
**	JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	3,400		
**	JS810240	CONDUIT ENCASED IN CONCRETE, 5" DIA., PVC	FOOT	10		
**	JS810832	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	2,000		
**	JS814001	HANDHOLE, TOLLWAY	EACH	3		
**	JS814002	HEAVY-DUTY HANDHOLE, TOLLWAY	EACH	8		
**	JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6,500		
**	JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	800		
**	JS817215	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1,600		
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	60		
**	JS817226	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 600MCM	FOOT	75		
*	JS819002	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	3,410		
*	JS821220	LUMINAIRE, LED, PARKING LOT	EACH	16		
*	JS830016	GROUND MOUNTED LIGHT POLE, (PARKING LOT) ALUMINUM, 12 FT.	EACH	16		
**	JS836004	LIGHT POLE FOUNDATION (PARKING LOT) CONCRETE	EACH	16		
*	JT130111	BUILDING CONSTRUCTION	L SUM	1		
*	JT132017	CONTROL GATE WITH PANEL	EACH	2		
*	JT132625	GROUND ROD	EACH	11		
*	JT132662	CARD READER STANCHION	EACH	8		
*	JT134032	SITE GROUNDING	EACH	1		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT135100	CONCRETE FILLED PIPE BOLLARDS	EACH	12		
*	JT160112	INNERDUCT FOR SINGLE MODE FIBER OPTIC CABLE, 1 1/2" DIA, COILABLE NONMETALLIC, CORRUGATED	FOOT	1,600		
*	JT211200	PREPARED TOPSOIL FURNISH AND PLACE, 8"	SQ YD	692		
*	JT211202	PREPARED TOPSOIL FURNISH AND PLACE, 12"	SQ YD	23,662		
*	JT250432	SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL)	ACRE	53.5		
*	JT250442	SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SPECIAL)	ACRE	11.0		
*	JT250446	SEEDING, GRASS-FORB MIX 2 (SPECIAL)	ACRE	18.8		
*	JT250454	SEEDING, TALL FESCUE MIX (SPECIAL)	ACRE	5.0		
*	JT254019	BIOSWALE PLUGS (SPECIAL)	SQ YD	692		
*	JT280500	SEDIMENT FILTER BAG	EACH	25		
*	JT285055	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1	SQ YD	320		
*	JT285056	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 2	SQ YD	244		
*	JT504310	THREE SIDED PRECAST CONCRETE STRUCTURES 13'X14'	FOOT	143		
*	JT512300	PILE CASING, CORRUGATED METAL PIPE, 24”	FOOT	2,554		
*	JT512302	PILE CASING, CORRUGATED METAL PIPE, 30”	FOOT	2,235		
*	JT512320	PILE PRECORING	FOOT	7,108		
*	JT553100	STORMWATER DETENTION SYSTEM	CU FT	18,347		
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SUM	1		
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1		
*	JT701031	SUPPLEMENTAL SIGNING	SQ FT	574		
*	JT701050	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, 24 SQ FT IN AREA OR LESS	SQ FT	24		
*	JT701052	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, GREATER THAN 24 SQ FT IN AREA	SQ FT	50		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	30		
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	4		
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL MO	4		
*	JT810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 6" DIA.	FOOT	490		
*	JT900088	SETTLEMENT MONITORING	CAL MO	18		
*	JT901136	POND DEWATERING LOCATION A	L SUM	1		
*	JT901137	POND DEWATERING LOCATION B	L SUM	1		
*	JT901138	POND DEWATERING LOCATION C	L SUM	1		
*	JT999912	THREE PHASE FEEDTHRU TRANSFORMER PAD	EACH	1		
			TOTAL AMOUNT OF CORE WORK			

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT154002	DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE	UNIT	110,000	1.00	$110,000.00
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	50,000	1.00	$50,000.00
*	JT154015	ALLOWANCE FOR UNFORESEEN DRAINAGE WORK	UNIT	470,000	1.00	$470,000.00
*	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	UNIT	60,000	1.00	$60,000.00
*	JT154042	CONTRACT ALLOWANCE FOR ADDITIONAL HAULING	UNIT	825,000	1.00	$825,000.00
*	JT154044	CONTRACT ALLOWANCE FOR UNSUITABLE SOIL AND HAZARDOUS WASTE REMOVAL	UNIT	100,000	1.00	$100,000.00
*	JT154063	CONTRACT ALLOWANCE FOR EMBANKMENT MODIFICATION	UNIT	1,700,000	1.00	$1,700,000.00
*	JT154067	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	100,000	1.00	$100,000.00
*	JT154079	ALLOWANCE FOR AIRPORT FACILITY DEMOLITION AND RELOCATION	UNIT	300,000	1.00	$300,000.00
*	JT154100	ALLOWANCE FOR SUPPLEMENTAL FLAGGING	UNIT	50,000	1.00	$50,000.00
*	JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	350,000	1.00	$350,000.00
*	JT154112	ALLOWANCE FOR ADDITIONAL ELECTRICAL AND COMMUNICATION WORK	UNIT	15,000	1.00	$15,000.00
*	JT154116	ALLOWANCE FOR UTILITY LINE PROTECTION	UNIT	100,000	1.00	$100,000.00
*	JT154119	ALLOWANCE FOR UTILITY POTHOLING FOR UNFORESEEN UTILITY RELOCATION	UNIT	45,000	1.00	$45,000.00
*	JT154126	ALLOWANCE FOR COORDINATION WITH CDOT OFFICE OF UNDERGROUND COORDINATION	UNIT	50,000	1.00	$50,000.00
*	JT154127	ALLOWANCE FOR UTILITY SERVICE CONNECTION	UNIT	90,000	1.00	$90,000.00
*	JT154165	ALLOWANCE FOR UTILITY RELOCATION	UNIT	125,000	1.00	$125,000.00
*	JT154168	ALLOWANCE FOR HAUL ROAD MAINTENANCE	UNIT	200,000	1.00	$200,000.00
*	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	900,000	$900,000.00
	999NEG25	NON-COMPLIANCE WITH WATER TRANSMISSION MAIN PROTECTION SPECIAL PROVISION	OCCUR		(10,000.00)	
	999NEG32	LIQUIDATED DAMAGES FOR DELAY IN SUBMITTAL OF PROGRESS SCHEDULE PER TOLLWAY SUPPL. SPEC. 108 02 (e)	DAY		(300.00)	

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	999NEG33	NON-COMPLIANCE WITH EROSION AND SEDIMENT CONTROL PER TOLLWAY SUPPL. SPEC. 280.02 (b) (1)	INC/DAY		See Note 2	
	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 (b) (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)	
	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)	
	999NEG44	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.1	CAL DAY		(6,000.00)	
	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.2	CAL DAY		(12,000.00)	
	999NEG46	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.3	CAL DAY		(2,000.00)	
	999NEG53	NON-COMPLIANCE WITH CONTRACTOR QUALITY PROGRAM SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG77	LIQUIDATED DAMAGES FOR NON-COMPLIANCE WITH MOWING (SPECIAL) SPECIAL PROVISION	CAL DAY		(500.00)	
		ADJUSTMENTS				
	999ADJ45	CONSTRUCTIONWORKS APPRENTICES WAGE RATE PAYMENT	HOUR		15	
		TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP)				5,640,000.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
					TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM = TOTAL AMOUNT OF BASE BID	
					BID CREDIT	
					AWARD CRITERIA	

S.P. COLUMN LEGEND

*	INDICATES SPECIAL PROVISION
**	INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATIONS
***	INDICATES IDOT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS
BDE	INDICATES IDOT BDE SPECIAL PROVISION
GBSP	INDICATES IDOT GBSP SPECIAL PROVISION
D1	INDICATES SPECIAL PROVISION

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

S.P. 105.1.2 Liquidated Damages for Non-Completion Per S.P. 103.2

In accordance with the provisions of Article 108.09 of the Illinois Tollway Supplemental Specifications, the Contractor shall pay to the Illinois Tollway the sum of **$12,000.00** per day, as liquidated damages for each and every calendar day beyond the Substantial Completion Date stipulated in S.P. 103.2 that the work, or any part thereof, remains incomplete.

S.P. 105.1.3 Liquidated Damages for Non-Completion Per S.P. 103.3

In accordance with the provisions of Article 108.09 of the Illinois Tollway Supplemental Specifications, the Contractor shall pay to the Illinois Tollway the sum of **$2,000.00** per day, as liquidated damages for each and every calendar day beyond the Interim Completion Date stipulated in S.P. 103.3 that the work, or any part thereof, remains incomplete.

S.P. 105.2 Completion Incentive Payment Plan(s)

NOT USED

S.P. 106 COOPERATION WITH UTILITIES AND OTHERS

The Contractor is responsible for verifying the nature and status of all utility relocation work prior to preparation of the Baseline Schedule. The Contractor shall take appropriate measures to ensure that construction operations do not interfere with utility facilities and relocation work. The Baseline Schedule shall reflect construction sequencing which coordinates with all utility relocation work. The Contractor shall be required to adjust the order of its work from time to time, to coordinate same with utility relocation work, and shall prepare revised Baseline Schedule(s) in compliance therewith as directed by the Engineer.

The provisions of Articles 105.07 and 105.08 of the Illinois Tollway Supplemental Specifications shall apply.

Work shall be restricted in the locations noted below for utility and other agency utility work.

Location 1 – Prior to July 2020, September 2020 through February 2021, and October 2021 through December 2021
Location 2 – Prior to February 2021
Location 4 – Prior to July 2021

The Tollway and the Engineer shall be notified in writing by the Contractor at least 96 hours prior to the start of any operation requiring cooperation with others. Notifications shall be made to the agencies and utilities at least ten (10) days prior to any construction. Any notification to any agency must be made through the Construction Manager.

Where the Contractor is constructing new facilities for a utility, the utility shall be notified 5 days prior to start of this work.

in the Status of Utility Relocation table listed below. No damages or additional compensation will be allowed to the Contractor for any delays, costs or inconveniences sustained by the Contractor due to interference from utility facilities or utility adjustment or relocation work.

STATUS OF UTILITY TO BE ADJUSTED			
Name of Utility or Municipality	**Type**	**Location and Disposition**	**Estimated Dates for Start and Completion of Relocation or Adjustment**
ComEd - O'Hare	Underground	*Locations 1 & 2:* In Elk Grove Village, west of O'Hare airport, east of Elmhurst Road, crossing under the Union Pacific Railroad. To be relocated to new RR crossings at Arthur Avenue and south of Devon Avenue.	Start: Dec 2019 Complete: July 2020
City of Chicago (Chicago Department of Water Management)	Underground	*Location 3:* Along north and east side of parcel WA-3D-12-003; conflict with proposed FAA access road and drainage facilities.	Start: Feb 2020 Complete: May 2020
ComEd - Distribution	Above ground	*Location 3:* Disconnect service lines to vacated parcel, WA-3D-12-003.	Start: Feb 2020 Complete: May 2020
Nicor	Underground	*Location 3:* Disconnect service lines to vacated parcel, WA-3D-12-003.	Start: Feb 2020 Complete: May 2020
BP Pipelines (North America) Inc. /Amoco	Underground	*Location 1 & 2:* White Oak relocation. In Elk Grove Village, west of O'Hare airport, east of Elmhurst Road, crossing under the Union Pacific Railroad. To be relocated to new RR crossings south of Devon Road. *Location 4:* Fuel farm pipeline relocations.	Start: Aug 2020 Complete: Feb 2021
US Shell Pipeline Company	Underground	*Location 4:* Fuel farm pipeline relocations.	Start: Mar 2020 Complete: July 2020
West Shore Pipeline Company	Underground	*Location 4:* Fuel farm pipeline relocations.	Start: Mar 2021 Complete: July 2021
ComEd Distribution	Overhead	*Location 5:* Relocate the aerial line running along the north side of Old Higgins Road and the Cul-de-sac.	Start: Feb 2020 Complete: Aug 2020

S.P. 118 RIGHT-OF-WAY

Proposed right-of-way and easements for the performance of the Work may not be available when Notice to Proceed is issued. The Contractor shall verify the status of right-of-way parcels to be acquired prior to the preparation of the Baseline Schedule. The Baseline Schedule should reflect construction sequencing necessary to work only within acquired right-of-way parcels, and the Contractor shall take all appropriate measures to ensure that construction operations do not encroach on parcels not acquired. The Contractor shall be required to adjust the work schedule as needed to coincide with parcel acquisition from time to time to work only within available right-of-way, and shall prepare revised Baseline Schedule(s) in compliance therewith as directed by the Engineer.

The final configuration of the Project Right-of-Way requires the acquisitions of several land parcels. This listing identifies these individual parcels and provides the acquisition status and anticipated Contractor Access Date. The Contractor's bid proposal shall have been submitted with the understanding that access to the proposed right-of-way and easements will be provided no earlier that the date indicated in the "Contractor Access Date" column in the table below.

Parcel ID #	Projected Acquisition Date	Contractor Access Date
NW-7A-12-100	TOLLWAY OWNED	OCTOBER 1, 2020
WA-2D-12-199	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-200	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-201	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-202	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-203	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-204.T	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-208	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-209	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-218	MAY 21, 2020	OCTOBER 1, 2020
WA-2D-12-219.T	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-220.T	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-12-221.T	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-16-001	TOLLWAY OWNED	APRIL 12, 2021
WA-2D-16-002	OCTOBER 01, 2020	APRIL 12, 2021
WA-2D-16-003	OCTOBER 01, 2020	APRIL 12, 2021
WA-3D-12-002	MAY 21, 2020	APRIL 12, 2021
WA-3D-12-003	TOLLWAY OWNED	AUGUST 5, 2020

Parcel ID #	Projected Acquisition Date	Contractor Access Date
WA-3D-12-006*	MAY ~~20~~1, 2020	JULY 23, 2021
WA-3D-12-011	TOLLWAY OWNED	JULY 23, 2021
WA-3D-12-012	MAY 21, 2020	JULY 23, 2021
WA-3D-12-047	TOLLWAY OWNED	OCTOBER 1, 2020
WA-3D-12-048	TOLLWAY OWNED	OCTOBER 1, 2020
WA-3D-12-069	OCTOBER 01, 2020	AUGUST 5, 2020
WA-3D-12-070	OCTOBER 01, 2020	OCTOBER 1, 2020
WA-3D-12-071	OCTOBER 01, 2020	JULY 23, 2021
WA-3D-12-072	OCTOBER 01, 2020	OCTOBER 1, 2020
WA-3D-12-073	OCTOBER 01, 2020	OCTOBER 1, 2020
WA-3D-12-074*	OCTOBER 01, 2020	JULY 14, 2021
WA-3D-12-075	OCTOBER 01, 2020	AUGUST 5, 2020
WA-3D-12-076	OCTOBER 01, 2020	AUGUST 5, 2020
WA-3D-12-900	TOLLWAY OWNED	OCTOBER 1, 2020
WA-3D-16-900	TOLLWAY OWNED	OCTOBER 1, 2020

* Access to parcel will be limited to area defined on plans.

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 geotechnical reports prepared by GSG Consultants, Inc. that are available for review on the on-line plan room.

- Retaining Wall WA4.36R, NB Geotechnical Report
- Retaining Wall WA4.48R, SB Geotechnical Report
- Retaining Wall WA4.61R, SB Geotechnical Report
- Retaining Wall WA4.67R, NB Geotechnical Report
- Retaining Wall WA4.85R, NB Geotechnical Report
- Retaining Wall WA4.89R, SB Geotechnical Report
- Retaining Wall WA4.92R, NB Geotechnical Report
- Retaining Wall WA4.92R, SB Geotechnical Report
- Bridge 99/100 Geotechnical Report
- Bridge 101/102 Geotechnical Report
- Roadway Geotechnical Report

WATER TRANSMISSION MAIN PROTECTION

Description. This work shall consist of protecting the Northwest Suburban Municipal Joint Action Water Agency's (NSMJAWA) water transmission main and appurtenances (water main) within the project limits for the duration of the contract as described herein and as shown on the plans.

Construction Requirements. NSMJAWA's existing water main will be field located and staked at 100-foot intervals by NSMJAWA. All water valves and hydrants will also be staked. Cathodic protection system anode beds will not be staked.

Prior to any work taking place, the Contractor shall furnish and install Temporary Construction Fence on both sides of the centerline of the existing NSMJAWA water main. The fence shall be located 15 feet from centerline of the water main. The area within the Temporary Construction Fence shall be considered the Water Main Protection Zone. The Temporary Construction Fence shall extend for the length of the NSMJAWA water main within the project limits and run between, and close off, the NSMJAWA Water Main Protection crossings. The fence shall be in accordance with the Special Provision for Temporary Construction Fence.

The Contractor shall maintain and protect the Temporary Construction Fence until Substantial Completion of the contract, including immediate replacement of any damaged sections of the fence without additional costs to the contract. Upon Substantial Completion of the Contract, the Contractor shall remove all Temporary Construction Fence. If Temporary Construction Fence needs to be relocated to accommodate the Contractor's operations, the Contractor shall submit a written request to the Engineer for approval by NSMJAWA and the Engineer and without additional costs to the contract No construction equipment or vehicles shall be allowed in this area except as indicated in the following paragraphs.

Storage of Materials
The Contractor shall not store materials within the limits of 30 feet wide water main protection zone defined by the Temporary Construction Fence without written permission of the water main owner.

Minimum Pipe Cover Depth
The Contractor shall maintain a minimum 3 feet depth of soil cover over all portions of the water main throughout the duration of the contract. Under no circumstance will the depth of soil cover be reduced to less than 3 feet.

Construction Access Over or Across NSMJAWA Water Mains

- General: The Contractor will only be permitted to cross the NSMJAWA water main at the proposed NSMJAWA Water Main Protection crossings which shall be constructed by the Contractor. Locations of the crossings are shown on the Contract Plans. A structural analysis of the Contractor's equipment utilizing the proposed crossings shall be submitted to NSMJAWA for review and approval. No work shall take place until a written approval has been received by NSMJAWA.

  All crossings shall be perpendicular to the pipeline and require settlement monuments.

  The minimum distance between water main crossings shall be 500 feet, measured from centerline to centerline of the crossing openings.

- Crossings Where Soil Cover Depths Is Less Than 4 Feet: No vehicles or equipment will be allowed to cross the water main in locations where there is less than 4 feet of soil cover depth over the pipe.

- Crossings Where Soil Cover Depth Is Greater Than 4 Feet but Does Not Exceed 8 Feet:
    - No Crane Mat: Vehicles and equipment with a maximum loaded weight of up to 17,500 pounds may cross the watermain without a crane mat or other form of water main protection. Crossings without a crane mat shall be restricted to a maximum 20 feet width of opening in the Temporary Construction Fence.

    - Single Crane Mat: Vehicles and equipment with a maximum loaded weight of up to 65,000 pounds may utilize a single crane mat crossing as shown in the "Crossing Layout Plan for Single Crane Mat" detail provided in the plans. This includes all wheeled and tracked vehicles and equipment.

      Vehicles and equipment with a loaded weight in excess of 65,000 pounds will be allowed utilize a single crane mat crossing if the following criteria is met:

        - Tracked Vehicles/Equipment: Divide the maximum loaded weight of the vehicle/equipment (in pounds) by the product of the length of track on ground (in feet) times the width of tracks (from outside edge of left track to outside edge of right track, measured in feet). If this number does not exceed 815 pounds per square foot the vehicle/equipment is acceptable to use a single crane mat crossing.

        - Wheeled Vehicles/Equipment with Two Axles: Divide the maximum loaded weight of the vehicle/equipment (in pounds) by the product of the wheelbase (from center to center of axles measured in feet) plus 0.83 times the width of wheels (from outside of left tire to outside of right tire, measured in feet). If this number does not exceed 815 pounds per square foot the vehicle/equipment is acceptable to use a single crane mat crossing.

        - Wheeled Vehicles/Equipment with Three Axles: This applies to vehicles/equipment with two rear axles having a spacing less than 7 feet. Divide the maximum loaded weight on the two rear axles (in pounds) by the product of the wheelbase (from center to center of axles measured in feet) plus 0.83 times the width of wheels (from outside of left tire to outside of right tire, measured in feet). If this number does not exceed 1,210 pounds per square foot the vehicle/equipment is acceptable to use a single crane mat crossing.

    - Double Crane Mat: Vehicles and equipment with a maximum loaded weight of up to 75,000 pounds may utilize a double crane mat crossing as shown in the "Crossing Layout Plan for Double Crane Mat" detail provided in the plans. This includes all wheeled and tracked vehicles and equipment.

      Vehicles and equipment with a loaded weight in excess of 75,000 pounds will be allowed to utilize a double crane mat crossing if the following criteria is met:

- Tracked Vehicles/Equipment: Divide the maximum loaded weight of the vehicle/equipment (in pounds) by the product of the length of track on ground (in feet) times the width of tracks (from outside edge of left track to outside edge of right track, measured in feet). If this number does not exceed 1,040 pounds per square foot the vehicle/equipment is acceptable to use a double crane mat crossing.

- Wheeled Vehicles/Equipment with Two Axles: Divide the maximum loaded weight of the vehicle/equipment (in pounds) by the product of the wheelbase (from center to center of axles measured in feet) plus 0.83 times the width of wheels (from outside of left tire to outside of right tire, measured in feet). If this number does not exceed 1,040 pounds per square foot the vehicle/equipment is acceptable to use a double crane mat crossing.

- Wheeled Vehicles/Equipment with Three Axles: This applies to vehicles/equipment with two rear axles having a spacing less than 7 feet. Divide the maximum loaded weight on the two rear axles (in pounds) by the product of the wheelbase (from center to center of axles measured in feet) plus 0.83 times the width of wheels (from outside of left tire to outside of right tire, measured in feet). If this number does not exceed 1,460 pounds per square foot the vehicle/equipment is acceptable to use a double crane mat crossing.

- Crossings Where Soil Cover Depth Is Greater Than 8 Feet: Vehicles and equipment that meet the allowable loading criteria for a double crane mat crossing for soil cover depths between 4 and 8 feet will be allowed to cross the water main without a crane mat or other form of water main protection where the soil cover depth over the pipe exceeds 8 feet. These crossings shall be restricted to a maximum 20 feet width of opening in the Temporary Construction Fence.

- Other Crossings: For vehicles and equipment that do not meet the above water main crossing requirements, the Contractor shall provide the proposed method of water main crossing protection including all required construction details and supporting calculations indicating the construction live load expected above the pipe does not exceed 1,131 pounds per square foot. All calculations must be signed and sealed by a registered structural engineer licensed in the State of Illinois. The water main owner will review the submitted materials to determine if the proposed crossing location(s) and vehicle load(s) are acceptable.

- Crossing Documentation to be Submitted for Review and Approval: For all proposed water main crossings, the Contractor shall provide vehicle information including vehicle type, manufacturer, weight (unloaded and maximum loaded), and wheel, tire or track loading for any construction vehicle that will use the crossing. Proposed location of the crossings shall be identified, and the Contractor shall perform any necessary exploratory excavation to determine the actual depth of the soil cover at the proposed crossing location to the nearest tenth-of-a-foot. Exploratory excavations shall be backfilled with compacted CA-6.

- Required Signage for Water Main Crossings: The Contractor shall install and maintain signage on both sides of each watermain crossing that identifies the manufacturer and model for each individual type of vehicle and/or piece of equipment that has been approved by the Engineer to utilize the crossing. It shall be the Contractor's responsibility to ensure strict enforcement of the vehicle and equipment limits for each water main crossing.

  The Contractor shall install and maintain two signs on each approach to the watermain crossing that identifies the type of crossing. Crossing types will be Single Mat, Double Mat, or No Mat. The Contractor will be responsible for providing documentation in each vehicle stating which crossing type an individual vehicle is permitted to use based on approval received from the Engineer. It shall be the Contractor's responsibility to ensure strict enforcement of the vehicle and equipment limits for each water main crossing.

  Ground Rutting and Settlement
  The Contractor shall maintain ground surface free from rutting or settlement above water main to the greatest extent practicable. Any locations where ground surface rutting or settlement exceeds six inches above the water main shall be repaired and restored by the Contractor to original conditions prior to further use of the water main crossing.

  Construction Over Water Main
  No construction equipment or vehicles are allowed to work, operate, idle or sit in the construction limits designated above without prior acceptance of the water main owner.

  Excavations
  Any excavations that occur below the water main and are within 1H:1V slope from the construction limits reference above shall require the Contractor to provide a slope stability analysis of the area. Slope stability calculations shall be submitted to the water main owner. The Contractor shall install sheeting, shoring, bracing and other stability protection measures as needed to protect the water main. Stability protection calculations shall be submitted to the water main owner. All calculations shall be sealed by registered structural engineer licensed in the State of Illinois.

  Pile Driving
  No piling shall be driven within 20 feet of the transmission main.

  Insurance
  Any contractor performing work or accessing across the NSMJAWA easement must submit proof of insurance, listing "Northwest Suburban Municipal Joint Action Water Agency" as additional insured.

  Watch and Protect
  In no case is work authorized within 10 feet of the Water Main Protection Zone without NSMJAWA personnel present. The contractor is responsible for notifying the Engineer who will contact NSMJAWA (773) 686-0077 at least 48 hours prior to scheduled work to allow NSMJAWA to schedule personnel for Watch and Protect.

  Submittals. The Contractor shall submit a NSMJAWA Work Access Plan for the Engineer's and NSMJAWA's review and approval. The Plan shall be submitted to the Engineer a minimum of 30 calendar days prior to any work in the vicinity of the water main. The Plan shall include the following:

NSMJAWA Water Main Protection Crossings and Work with Water Main Protection Zone

- Plans with Water Main and the Temporary Construction Fence Redlined
- Summary of Work Activities within Water Main Protection Zone
- Sequencing of Work, including Relocations of the Temporary Construction Fence
- Completed Contractor Equipment Summary for work within the Water Main Protection Zone and Controlled Access Crossings
- Structural Calculations and Supporting Documents Signed and Sealed by an Illinois Registered Structural Engineer.
- Commencement and Completion Dates

The water main owner will review the submittal to determine if the Work Plan is acceptable. No work may proceed until a written approval is received from NSMJAWA.

Non-Compliance

Any occurrence of non-compliance with this Water Transmission Main Protection special provision shall be subject to a fine of $10,000 per occurrence, and the Contractor shall take immediate corrective action to rectify the non-compliance to the satisfaction of the Engineer.

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

Basis of Payment. This work will be paid for at the contract lump sum price for WATER TRANSMISSION MAIN PROTECTION in accordance with the Drawings and Specifications, which payment shall be full compensation for all labor, equipment, supplies, materials, and performing all operations necessary to complete this work as shown and specified herein.

Temporary Construction Fence will be paid for separately.

Pay Item Number	Designation	Unit of Measure
JA000395	WATER TRANSMISSION MAIN PROTECTION	L SUM

POROUS GRANULAR BACKFILL, SPECIAL

Description. This work shall consist of furnishing and placing porous granular material for backfilling detention basins.

Materials. Only natural materials will be used as course aggregate. Manufactured materials will not be accepted for use. Material use shall be coarse aggregate and shall meet the requirements of Article 1004.01 of the Standard Specifications and the following:

(a) Description. The course aggregate shall be gravel, crushed gravel, crushed stone, or crushed sandstone.

(b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of objectionable deleterious material.

(c) Gradation. The coarse aggregate gradation shall be CA16.

Construction Requirements. The porous granular backfill material shall be placed under the prepared topsoil, to the depth shown on the detention basis detail, and finished by hand or mechanical means to the lines and dimensions shown in the plans and to the satisfaction of the Engineer.

Method of Measurement. This work will be measured for payment in cubic yards and the volume computed by the method of average end areas, except that the maximum quantity for which payment will be made shall not exceed the volume as shown in the contract plan details for detention basins. Any porous backfill used for the purpose of filling the basin in excess of the maximum quantity specified shall be furnished and placed at no additional cost to Tollway.

Basis of Payment. This work will be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL, SPECIAL.

Pay Item Number	Designation	Unit of Measure
X2090210	POROUS GRANULAR BACKFILL, SPECIAL	CU YD

CONCRETE STAIN

The stain color for retaining walls shall be ”Sandstone” (HC157) and moment slab shall be ”Red Terrazzo Tile” (HC102) by H&C concrete staining or approved equal. The Contractor shall submit manufacturer’s literature, certificates and color samples to the Engineer.

Stain shall create a surface finish that is breathable (allowing water vapor transmission), and that resists deterioration from water, acid, alkali, fungi, sunlight or weathering. Stain mix shall be water borne, low V.O.C. material, less than 1.5 lbs. /gal, and shall meet requirements for weathering resistance of 2000 hours accelerated exposure.

Pre-approval of the form liner does not include material acceptance at the job site.
For Form Liner Textured Surface the Contractor shall select a form liner pattern from above or propose an equivalent form liner.

Form liners shall be according to Article 503.06(a) and the requirements detailed in this specification.

The form ties shall be made of either metal or fiberglass. Metal ties, which result in a portion of the tie permanently embedded in the concrete, shall be designed to separate at least one inch back from finished surface, leaving only a neat hole that can be plugged with patching material. Contractor shall submit the type of form ties to the Engineer, for approval prior to use in this work.

Concrete used for the cast-in-place concrete designated to receive form liner textured surfaces shall contain a high range water-reducing admixture according to Article 1021.03(c) of the “Standard Specifications” to obtain a 5” to 7” slump. Concrete used for Form Liner Textured Surface, Special shall not contain CA7 aggregate.

Submittals:

For a proposed equivalent the Contractor shall submit to the Engineer one (1) specification including bonding and releasing agents, catalog cut sheet and 36” x 36” liner sample for the style of architectural form liner proposed for use on Form Liner Textured Surfaces on the project. Note that the same style of form liner shall be used on all surfaces to receive Form Liner Textured Surfaces within the project limits. The submittal shall be made no later than 14 calendar days from the date of notification to proceed with the contract. Upon receipt of the information, the Engineer, in consultation with Tollway and IDOT will have 14 calendar days to approve and notify the Contractor of which style of form liner is to be used on the project.

Contractor shall submit to the Engineer for approval evidence of the selected subcontractor’s five years experience making stone masonry molds to create formed concrete surfaces to match natural stone shapes, surface textures.

Upon receipt of notification of the style of form liners to be used or if the Contractor is proposing a form liner from the pre-approved list, he/she shall submit a proposed procedure for obtaining the simulated finish. The procedure shall include (4) Sets of plans and details for the form liner pattern and dimensions, and be submitted for the Engineer’s approval no later than 14 calendar days from the date of notification of approval of the style type. If such plans and details are not satisfactory to the Engineer, the Contractor shall make any changes as may be required by the Engineer, Tollway or IDOT at no additional cost.

Headwall Grating
All Structural Steel shall be AASHTO M270, Grade 50 and galvanized in accordance with the Standard Specifications.

Headwall grating shall be fabricated in accordance with the contract plans and Standard Specifications Article 505.04.

METHOD OF MEASUREMENT

This work shall be measured for payment on a per each basis for the completed junction chamber locations:

JUNCTION CHAMBER, LOCATION 1

JUNCTION CHAMBER, LOCATION 2

JUNCTION CHAMBER, LOCATION 3

JUNCTION CHAMBER, LOCATION 4

BASIS OF PAYMENT

The work shall be paid for at the contract unit price per each for JUNCTION CHAMBER, LOCATION 1, 2, 3, & 4. The contract unit price shall include the costs for all work, including but not limited to the cost of labor, equipment, materials, supplies, granular bedding, bulkheads, and removal and disposal of excavated material and any miscellaneous abandoned structures required to construct the item as shown on the plans. Additional incidentals shall include structure excavation, concrete structures, reinforcement bars epoxy coated, concrete sealer, controlled low-strength material, steel grate walkway, headwall grates, ladder rungs, safety cages, structural steel plate and anchor bolts. Any dewatering, sheeting and shoring required to do the work as specified shall be included in the contract price of TEMPORARY SOIL RETENTION SYSTEM.

Pay Item Number	Designation	Unit of Measure
JI602791	JUNCTION CHAMBER, LOCATION 1	EACH
JI602792	JUNCTION CHAMBER, LOCATION 2	EACH
JI602793	JUNCTION CHAMBER, LOCATION 3	EACH
JI602794	JUNCTION CHAMBER, LOCATION 4	EACH

ALLOWANCE FOR HAUL ROAD MAINTENANCE

Description. This Special Provision establishes a budgetary allowance for haul road maintenance that may be required to be performed by the Contractor. This work may include work maintaining the haul roads, pipeline protection systems, erosion control systems, super silt fence and gates, grading, and the maintenance and cleaning of existing culverts along haul road.

The work to be completed under this item will be as directed by the Engineer. This item will provide a line item against which payment will be made since the scope cannot be determined at the time of submittal of the Proposal. Payment will only be made for that work completed which is directed by the Engineer in writing.

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

Basis of Payment. Payment for this work will be made as specified in Illinois Tollway Supplemental Specifications Article 109.04 using a force account basis. Payment for this work will not exceed the costs incurred by the Contractor and approved by the Engineer.

Pay Item Number	Designation	Unit of Measure
JT154168	ALLOWANCE FOR HAUL ROAD MAINTENANCE	UNIT

1.5 QUALITY ASSURANCE

A. Insulation Installed in Concealed Locations Surface Burning Characteristics:

1. Foam Plastic Insulation: Maximum 75/450 flame spread/smoke developed index when tested in accordance with ASTM E84.
2. Other Insulation: Maximum 25/450 flame spread/smoke developed index when tested in accordance with ASTM E84.

B. Insulation Installed in Exposed Locations Surface Burning Characteristics: Maximum 25/450 flame spread/smoke developed index when tested in accordance with ASTM E84.

C. Apply label from agency approved by authority having jurisdiction to identify each foam plastic insulation board.

D. Maintain one copy of each document on site.

1.6 ENVIRONMENTAL REQUIREMENTS

A. Do not install adhesives when temperature or weather conditions are detrimental to successful installation.

1.7 SEQUENCING

A. Sequence Work to ensure fireproofing, firestopping, vapor retarder, and air barrier materials are in place before beginning Work of this section.

PART 2 - PRODUCTS

2.1 BOARD INSULATION

A. Manufacturers:

1. Styrofoam Brand Deckmate Plus FA – Extruded Polystyrene Insulation
2. Dow Chemical - Extruded Polystyrene Insulation
3. Owens Corning - Extruded Polystyrene Insulation
4. Knauf Insulation – Foamular Extruded Polystyrene Insulation
5. ACH Foam Technologies – Extruded Polystyrene Insulation

2.2 COMPONENTS

A. Extruded Polystyrene Insulation: ASTM C578 Type IV; cellular type, conforming to the following:

1. Board Size: 16 by 96 inches
2. Board Thickness: 2 inches
3. Thermal Resistance: R value of 5.0 per 1 inch of insulation. Average thermal resistance at roof is R-30 with a 6 inch minimal thickness at roof slab.
4. Water Absorption: In accordance with ASTM D2842; 0.15 percent by volume maximum.
5. Compressive Strength: Minimum 25 psi (173 kPa)
6. Board Edges: Square

B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing manufacturer based on testing and field experience.

1.8 SPECIAL GUARANTEE

A. Product: Furnish manufacturer's extended guarantee, with Engineer named as beneficiary, in writing, as special guarantee. Special guarantee shall provide for correction or, at the option of the Engineer, removal and replacement of Work specified in this Specification section found defective during a period of **20** years after date of Substantial Completion. Duties and obligations for correction or removal and replacement of defective Work shall be as specified in the General Conditions. Roofing System Manufacturer's Warranty to be 20 year unlimited labor and materials.

B. Coverage and Conditions:

1. All costs for repairs required to maintain roofing system, composition flashing, and expansion joint covers in watertight condition.
2. Natural deterioration of roofing system due to ordinary wear and tear by the elements; and
3. Defects due to faulty materials or workmanship during application.

PART 2 - PRODUCTS

2.1 MODIFIED BITUMEN SHEET ROOFING SYSTEM

A. Description: Cold Process Built up Roofing System

1. Basis of Design Product: The roof system specified in this section is based upon Tremco, Inc. products described in other Part 2 articles. Subject to compliance with requirements, provide the performance based product.

B. The Work consists of the following:

1. General conditions and details for all roof areas:
2. Temporary Roof Membrane:
   a. Install ½-inch DensDeck Prime Roof Board in accordance with manufacturer's recommended installation methods over Metal Roof Deck.
   b. Install (1) modified bitumen smooth heat applied sheet to the concrete deck Roof board substrate with a minimum of 4" laps to act as a temporary water proofing membrane per manufacturer's recommendation.
   c. Run plies into drain bowl and cut a minimum 3" diameter hole to allow for drainage.
   d. Install tapered insulation and roof membrane over temp roof after authorization from Architect Owner's representative. Typically after other tradesmen have completed mechanical, plumbing, and electrical work.
3. Parapet Scuppers: Fabricate scuppers to dimensions required, with closure flange trim to exterior, 4 inches wide wall flanges to interior, and base extending 4 inches beyond cant or tapered strip into field of roof. Fabricate from the following materials:
   a. Galvanized Steel: 0.028 inch thick.
   b. Paint to be selected from manufacturer's standard color selection and approved by the Architect.
4. Conductor Heads: Fabricate conductor heads with flanged back and stiffened top edge and of dimensions and shape required, complete with outlet tubes, exterior flange trim, and built-in overflows. Fabricate from the following materials:

SECTION 10510 - SOLID PHENOLIC LOCKERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes: Solid Phenolic Lockers

1.2 SUBMITTALS

A. Submittals: Comply with procedures and quantities as indicated in Division 1 Submittal Procedure Section.

B. Shop Drawings: Submit shop drawings indicating room sizes, layout, locker dimensions, material thickness, trim, hardware, finishes, locks, base, doors, accessories, and installation details.

C. Product Data: Submit manufacturer's technical data for materials, fabrication, finishing, fastenings, hardware, and installation details.

D. Samples: Submit samples of edge details, colors, patterns, finishes, and textures.

E. Closeout Documents: Submit the following:

1. Operation and Maintenance data
2. Warranty

1.3 QUALITY ASSURANCE

A. Qualifications:

1. Fabricator shall have 10 years or more experience in fabrication of solid phenolic materials and shall be experienced in performing work of similar size and scope.
2. Fabricator shall be capable of providing field service representation.
3. Installer shall be approved by the manufacturer and be experienced in performing work of similar size and scope.

B. Pre-installation Meeting: Conduct pre-installation meeting prior to installation to verify project requirements and conditions.

1.4 DELIVERY, STORAGE AND HANDLING

A. Ordering: Comply with supplier's ordering and lead-time guidelines to avoid delays.

B. Delivery: Deliver materials in the manufacturer's original protective packaging.

C. Storage and Handling: Store materials in an enclosed shelter providing protection from damage, temperature, humidity, and exposure to the elements.

1.5 COORDINATION AND PROJECT CONDITIONS

A. Field Measurements: Before material fabrication, verify actual field measurements and show actual measurements on shop drawings.

B. Coordination: Coordinate field measurements with fabrication schedule construction progress to avoid construction delays.

1.6 WARRANTY

A. Submit executed copy of the 10-year warranty against defects in material and 2 years' warranty for system.

PART 2 – PRODUCTS

2.1 Solid Phenolic Lockers

A. Basis of Design: Drawings and specifications are based on Spectrum Lockers.

B. Acceptable Manufacturers:

1. Spectrum.
2. Hallowell Global Industrial.
3. Hollman Inc.
4. Scranton Products
5. PSiSC/Columbia Lockers Products
6. Summit Lockers

2.2 Materials

A. Panel Material:

1. Decorative papers impregnated with the melamine resin on faces with a clear protective overcoat and integrally compression molded within a core consisting of solid phenolic impregnated Kraft papers.
2. Panel Material shall be in Class B fire rating (ASTM E 84). Select from either option.
3. Core or panel material shall meet fire resistance per ASTM E84 (Class B).
4. Colors:
   a. Core: Black

5. Color to be selected from the manufacturing standard colors.

B. Doors:

1. Material: 1/2" (13mm) thick solid phenolic composite material.
2. Corners: Rounded
3. Edges: Standard profile is straight edge no profile.
4. Door Fastening: Through Bolted.

C. Locker Bodies

1. Exposed edges: Straight profile; eased edges to remove sharpness; machine polished and free from tooling imperfections.
2. Tops, bottoms, and intermediate shelves: 1/2” (13mm) thick solid phenolic composite material with ventilation holes.
3. Locker backs: +/- 1/4” (6mm) thick solid composite material.
4. Locker Sides: 3/8” (10mm) thick solid phenolic composite material.

D. Ancillary Panels: Finished end panels and closures shall be 1/2” (13mm) thick solid phenolic composite material.

E. Hardware

1. Hinges:
   a. Material: 304-grade stainless steel.
   b. Quantity: Three (3) for full height doors and two (2) for multi-tier units.

2. Interior hooks:
   a. Material: Stainless steel.
   b. Top Hook: Two prong: one per opening for 1 and 2 tiers at Men’s & Women’s restroom.
   c. Side Hook: Single prong: two per opening for 1, 2, and “Z” tiers.

3. Fasteners: Exposed fasteners shall be 304 stainless steel
4. Fastener Application: Apply directly into or through the material.
5. Other Reinforcement: Aluminum or metal profiles for reinforcements shall not be permitted.
6. Door Identification (identification plates): Sequential numbering

F. Ventilation

1. Interior Vent: Provide six 3/8” (10mm) diameter ventilation holes on tops, bottoms, and intermediate shelves. Provide three 3/8” (10mm) diameter ventilation holes on “Z” type intermediary shelves.
2. Door Vent: *(Extra) Provide minimum of 20 squares inches opening of front ventilation for full tier 12” wide x 72” high. For other styles, provide front ventilation 1.43 square inches per lineal foot of door perimeter.

G. Base

1. Base not furnished with Locker: 4” Concrete Curb, by Others.

2.3 Size

A. Overall Height: 71-3/4”.

B. Overall Width: 12” (Verify width with the Architect).

C. Overall Depth: 15”

2.4 Accessories and Options

A. Locking System: Cam preparation for padlock.

B. Locker Top: ½'' top shall be Sloped width ¼" (6mm) thick solid phenolic composite material.

C. Door Identification:

1. Number Plates: Identification plates to be Stainless Steel Disk 1-1/2" diameter with permanent adhesive.
2. Fonts to be a minimum 1/2" high and up to four alphanumeric characters
3. Numbering sequence: North locker to start with 1 and be numbered sequentially to the South.

PART 3 – EXECUTION

3.1 Examination: Examine site conditions before locker installation. Notify architect of unacceptable areas. Do not install locker until unacceptable conditions have been corrected.

3.2 Installation

A. Install lockers in locations as shown on shop drawings per manufacturer's instructions.

B. Install lockers plumb, level, square, rigid, and flush.

C. Install all required trim, fillers, end panels, and closures per manufacturer's instructions.

D. Use hardware supplied or recommended by the manufacturer.

E. Attach number plates to doors as indicated on shop drawings.

F. Correct and/or replace damaged components as directed by architect.

3.3 Adjustment

A. Adjust doors and locks for smooth operation without binding.

B. Lubricate door hinges and locks per manufacturer's instructions.

3.4 Cleaning

A. Clean all surfaces in accordance with manufacturer's instructions.

B. Do not use abrasive cleaners.

End of Section 10510

SECTION 13850 - BUILDING AUTOMATION SYSTEM

PART 1 - GENERAL

1.1 SECTION INCLUDES:

A. Work under this Section is subject to the requirements of the Contract Documents.

B. The Contractor shall be responsible for the Building Automation System (BAS) described by this Section being complete and operable. The work under this Section shall include all materials and equipment, labor, and services required for the installation of the BAS as herein specified and as otherwise required to provide complete and operating systems according to standard industry practices.

C. The BAS shall provide functional features, including sequences of operations, as described in these Contract Documents. BAS performance requirements shall include the following applications.

1. Local and remote monitoring and control of heating, ventilating and air conditioning systems
2. Energy management routines
3. Monitoring and control of miscellaneous equipment

D. Provide a new fiber-optic based BAS which meets the requirements of the BACnet Standard, ASHRAE/ANSI 135-2016.

1.2 RELATED WORK:

A. Division 15 - Temperature Controls, Section 15950

B. Division 15 - Sequence of Operations, Section 15985

C. Division 16 - Electrical

1.3 REFERENCES:

A. As a minimum, meet the requirements of the following codes and standards.

1. City of Chicago Electrical and Energy Conservation Code
2. American National Standards Institute (ANSI), ANSI Y32.2 - Standard Electronic Symbols
3. American Society of Heating and Refrigeration and Air-Conditioning Engineers (ASHRAE) Standard 62- 2010, Ventilation for Acceptable Indoor Air Quality
4. American Society of Heating and Refrigeration and Air-Conditioning Engineers (ASHRAE) Standard 90.1-2013, Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings
4. International Energy Conservation Code (IECC) 2018.
5. American Society of Heating and Refrigeration and Air-Conditioning Engineers (ASHRAE) Standard 135- 2016 BACnet
6. Federal Communications Commission (FCC), FCC Part 15 - Rules
7. National Electrical Manufacturers Association (NEMA), NEMA EMC1 -Energy Management Systems Definitions

8. National Electrical Manufacturers Association (NEMA), NEMA 250 - Enclosure for Electrical Equipment
9. National Fire Protection Association (NFPA), NFPA 70, 72 - National Electrical Code & Fire Codes
10. Underwriters Laboratories (U.L.) Standards
11. Electronics Industries Association (EIA) Standards
12. National Electrical Code (NEC).

1.4 DEFINITIONS:

A. Refer to Contract Documents Part Two of Three for more definitions that are pertinent to this project.

B. Analog: A continuously varying signal or value (temperature, current, velocity).

C. BACnet: BACnet is a communication protocol. A communication protocol is a set of rules governing the exchange of data between two computers. Refer to ASHRAE BACnet Standard 135-2016 for detailed information. The goal of the BACnet protocol is to enable building automation devices from different manufacturers to communicate. The BACnet protocol encompasses both hardware and software requirements including the following:

1. Physical medium
2. Rules controlling access to the medium
3. Mechanics for addressing and routing messages
4. Procedures for error recovery
5. The specific formats for the data being exchanged
6. The contents of the messages

D. BACnet Conformance Classes:

1. Class 1. Class 1 devices are the lowest level in the BACnet system structure and consist of smart sensors.
2. Class 2. Class 2 devices consist of smart actuators.
3. Class 3. Class 3 devices consist of unitary controllers.
4. Class 4. Class 4 devices consist of general purpose local controllers.
5. Class 5. Class 5 devices consist of operator interface controllers.
6. Class 6. Class 6 devices are the highest level in the BACnet system structure and consist of head-end computers.

E. Building Automation System (BAS): The entire building automation system described in these Contract Documents of microprocessor based hardware and software specifically designed to centrally manage building HVAC and related utilities. The BAS includes the DDC components, OWS hardware and software, field devices, network routers, and gateways.

F. Contractor: The building automation system specialist responsible for furnishing and installing the BAS specified herein.

G. Controlled Variable: The quantity or condition that is measured or controlled (i.e., temperature, flow, pressure, humidity).

H. Control Wiring: Includes conduit, wire and wiring devices to install a complete BAS including motor control circuits, interlocks, thermostats, PE and EP switches and like devices. Includes all wiring from a DDC cabinet to all sensors and points defined in the points lists specified herein and

required to execute the sequence of operation. Includes necessary power wiring to all BAS devices, digital controllers including and actuators.

I. Deadband: A temperature range over which no heating or cooling energy is supplied, such as 72-78 deg. F., i.e. as opposed to dingle point changeover or overlap, or a range from setpoint over which no action is taken

J. Diagnostic Program: Machine-executable instructions used to detect and isolate system and component malfunctions.

K. Direct Digital Control System (DDC): The portion of the BAS which provides closed loop control of all heating, ventilating and air conditioning (HVAC) equipment.

L. Distributed Control: A system whereby all control processing is decentralized and independent of a central computer.

M. Economizer: A ducting arrangement and automatic control system that allows a cooling supply fan system to supply outdoor air to reduce or eliminate the need for mechanical refrigeration during mild or cold weather.

N. Enthalpy Control: Control of the HVAC system based on outside air enthalpy (total heat).

O. Floating Holiday: A floating holiday is a holiday that does not land on the same day of the month each year, but does follow a predictable pattern, such as the first Monday in September. Once defined, floating holidays shall automatically continue from year to year without operator intervention.

P. Interlocks: Devices which connect separate HVAC equipment so that the operation of this equipment is interrelated and systems function as a whole.

Q. Interoperability: The ability of control system components from different manufacturers to work together to provide coordinated control via real-time two-way data exchange through a common communications data exchange protocol. Interoperability shall extend to the operatorsoperator's workstation software which shall support user interaction with all control system components. Method of interoperability shall be BACnet.

R. Link: A link is a graphical display element that allows the operator to "click" the item and automatically display the associated screen or service. Any screen may have links to or be linked from any other screen. Links shall be configured on each display screen to provide a logical user navigation system using a ladder tree hierarchy.

S. Network: A system of distributed control units that are linked together on a communication channel. A network allows sharing of point information between all control units. Additionally, a network provides central monitoring and control of the entire system from any DDC controller location.

T. Normal Position: The position that the damper, valve, or contact assumes when the control signal (electricity or control air) is removed.

U. On/Off Control: A simple 2-position control system in which the device being controlled is either full-on or full-off, with no intermediate operating positions available.

V. Operating System (OS): Software which control the execution of computer programs and which provides scheduling, debugging, Input/Output controls, accounting, compilation, storage assignment, data management, and related services.

W. Operator Workstation (OWS) Interface: A method by which an operator communicates with a DDC System. The operator workstation interface allows an operator to command, monitor, and program the system.

X. Peripheral: Input/Output equipment used to communicate with the computer and make copies of system outputs, peripherals include CRT, printer, tape deck, diskette, etc.

Y. PID Control Loop: A mathematical calculation used to evaluate a control input and determine the control output value required to maintain the input value at setpoint. The PID (Proportional, Integral, Derivative) control loop shall have operator adjustable maximum rate of change, P and D gains and loop response time delay. The loop shall be self-integrating so that no integral constant is requiredrequired, and the loop shall not be subject to “Integral Windup”. PID control loops shall calculate based on actual load conditions. Each output position update shall be made from the current output value, not a hard coded bias. PID control loops which use a non self tuningself-tuning bias or are subject to integral windup will not be accepted.

Z. Reset Control: Reset controllers use a second sensed variable, such as outdoor air temperature, to automatically change the setpoint of a control loop.

AA. Setpoint: The desired condition or value of the controlled variable.

BB. Smart Device: A device containing a microprocessor, communications hardware and software providing two-way communications over an RS232, RS485 or other digital data communications media.

CC. Turndown Ratio: The minimum flow or capacity of a piece of equipment expressed as a ratio of maximum flow/capacity to minimum flow/capacity.

DD. Workmanship Defect: Any item which is not installed as specified in this and related documents shall be considered to be defective in workmanship.

EE. Where “as directed”, “as required”, “as permitted”, “as authorized, “as accepted”, “as selected”, or phrases of similar meaning are used, the direction, requirement, permission, authorization, acceptance or selection by the Commissioner is intended unless otherwise stated.

1.5 SUBMITTALS:

A. Refer to the Basic Mechanical Requirements Section, 15100.

B. General Requirements

1. The Contractor shall provide to the City the following items for review by the Commissioner. Any Contractor or employee of Contractor whose qualifications are deemed to be inadequate or unresponsive to the requirements of the Contract Documents by the Commissioner will not be acceptable.
   a. List of substantial experience meeting the requirements of the “Quality Assurance” Article of this Section.
   b. Provide an architectural layout of the proposed building automation system showing the primary fiber backbone, related hubs, associated hardware, and terminations at proposed control panel network devices.
   c. Identify primary vendors for network components.
   d. Identify points of access to the network.

e. Show proposed control panel locations, configurations, and primary digital control components. Include details of the proposed Network Access Portal to be provided at each control panel. List the equipment being controlled by each control panel.
f. Identify primary and portable computer configuration. Include software and associated peripheral devices as specified.
g. Provide PICS (Protocol Implementation Conformance Statements) for all controllers and associated devices proposed for installation.

C. Shop Drawings, Product Data, and Samples

1. Upon completion of BAS work, provide Certification of Compliance that all devices installed have been tested by the BACnet Testing Laboratory and meet the requirements of the BACnet Manufacturers Association (BMA). The Certification of Compliance shall be signed by an Officer of the BMA.
2. Contractor shall prepare submittals for review by the Commissioner. A single comprehensive submittal is preferred. If this is not possible, then the Contractor shall provide with the first submittal a descriptive schedule of all subsequent submittals. Partial submittals without reference to the schedule shall be automatically rejected.
3. All drawings shall be prepared on a CAD system. CAD files shall be submitted to the Commissioner, if requested.
4. Each submittal shall have a cover sheet with the following information provided: Submittal ID number and date, Project name, address and title. Name, address, and phone number of Contractor. Drawing submittals shall be printed on 11"x17" paper, if possible.
5. First Project Submittal shall include the following:
   a. Provide resumes for each member of the project team including project manager, quality control manager, project engineers, software programmers, field superintendents and start-up technicians.
   b. Initial project team Quality Assurance compliance report.
   c. Riser Diagram of complete BAS showing all DDC controllers, operator workstations, network repeaters and network wiring; including the manufacturer's part numbers of individual DDC controllers.
   d. Product information sheets for each model of DDC controller identified on the BAS Riser Diagram.
   e. Point lists for each DDC controller: including Point ID Number, Point Name, Point Description, Engineering Units, Value Range, Signal Type, Connected Device Identification.
      1) Naming conventions shall be according to the BACnet Standard, ASHRAE/ANSI 135-201695.
      2) Control points indicated in these Contract Documents shall be the minimum to be provided as part of the BAS. If additional points are required to make the system function in accordance with the sequence of operation, they shall be supplied by the Contractor at no additional cost to the City.
      3) All points shown on the point list and all software parameters shall be displayed and have the capability of being adjusted at the operator workstation console.
      4) Point types refer to the following:
         a) AI - Analog Input: Variable Readable
         b) BI - Binary Input: 2 State Readable
         c) AO - Analog Output: Variable Commandable
         d) BO -Binary Output: 2 State Commandable
   f. Descriptive schedule of all subsequent submittals.

6. Subsequent Submittals shall include the following:
   a. System flow diagrams showing all control field devices with point ID label, wiring, piping and terminal identification cross referenced to the associated DDC/local panel. Include bill of materials for field devices and motor starter wiring diagrams.

b. Schematic of each DDC cabinet showing all input/output, power supply and controller modules and all termination points with identification cross referenced to the associated flow diagram. Include bill of materials for DDC devices.
c. Panel construction diagram for each local control panel showing all devices and all termination points with identification cross referenced to the associated flow diagram or DDC cabinet. Include bill of material for panel devices.
d. Installation and wiring diagrams for typical field devices.
e. Vendor's own written description for each sequence of operation. Recopy of any sequence described herein is not acceptable.
    1) Sequences shall reference Input/Output and software parameters by name and description, i.e. static pressure setpoint (AH_STPSP).
    2) The sequences of operation provided in the submittal by the Contractor shall represent the detailed analysis needed to create actual programming code from the design documents. As such, they shall provide a very complete description of the sequences and be written in a format that is compatible with the programming language of the control system to be installed.
    3) Points shall be referenced by name, including all software points such as programmable setpoints, range limits, time delays, etc. The default values for all setpoints, limits, alarm settings, etc. shall be included. Point names shall follow a predictable naming pattern and shall be reviewed and accepted by the Commissioner.
    4) The sequence of operation shall cover normal operations and operations under the various alarm conditions applicable to that system.
    5) Sequences shall include normal and customary software functions to provide a fully functional system and shall incorporate such features as minimum ON/OFF time delays, minimum and maximum allowed ranges for reset values, maximum ramping rates of change for analog outputs and control loops, etc., as appropriate for each system.

f. Functional outline of operator displays. Include each display screen to be provided, data to be displayed, and links to other screens. Outline level hierarchy shall be:
    1) Site
    2) Building
    3) Floor
    4) System
    5) Parameters
    6) Schedules
    7) Histories
    8) Etc.

g. Software manuals for all applications programs to be provided as a part of the operator workstations, portable operator terminals, programming devices, etc. for evaluation for compliance with the performance requirements of this specification. Provide two copies of each software manual.
h. Two copies of DDC system installation manual.
i. Two copies of DDC system programming manual.
j. Two copies of DDC system engineering manual.
k. BACnet PICS compliance report for each BACnet compatible device.
l. Control Damper Schedules: Spreadsheet type schedule shall include a separate line for each damper and a column for each of the following damper attributes in the order presented here (no omissions);
    1) Damper Tag,
    2) System,
    3) Service,
    4) Opening Size (w x h),

5) Design Flow Rate (in CFM),
6) Design Velocity (in FPM),
7) Design Pressure Drop (in Inches of Water Column)
8) Selected Damper Size (w x h),
9) Section Labels & Sizes (w x h),
10) Manufacturer,
11) Part Number,
12) Blade Pattern (parallel, opposed, single),
13) Blade Type (e.g. air foil, two piece),
14) Bearing Type,
15) Fail Position (de-energized),
16) Actuator Model Number,
17) Actuator Quantity,
18) Actuator Working Range (in volts, mA or psi as applicable),
19) Actuator Mounting Location (electronic; shaft, sleeve-out collar, channel support,
20) Damper Closing Torque,
21) Actuator Rated Torque,
22) Damper Close-Off Pressure (against system),
23) Comments
    a) Leakage and flow characteristics charts shall be submitted for review.
    b) Submit diagram for each damper of three or more sections wide showing the position of each section and associated actuator mountings.

m. Air Flow Measuring Station Schedules: Spreadsheet type schedule shall include a separate line for each flow station and a column for each the following station attributes in the order presented here (no omissions);
1) Station Tag,
2) System,
3) Service,
4) Opening Size (w x h),
5) Design Flow Rate (in CFM),
6) Design Velocity (in FPM),
7) Selected Station Size (w x h),
8) Section Labels & Sizes (w x h)
9) Station Manufacturer,
10) Station Part Number,
11) Velocity Pressure Sensor Range
12) Velocity Pressure Sensor Manufacturer
13) Velocity Pressure Sensor Part Number
14) Comments

n. Control Valve Schedules: Spreadsheet type schedule shall include a separate line for each valve and a column for each of the following valve attributes in the order presented here (no omissions);
1) Valve Tag,
2) System,
3) Service,
4) Piping System Pressure Rating,
5) Pipe Size,
6) Body Pattern (e.g. straight thru, mixing, diverting),
7) Load (coil) Flow Rate (in gpm or lbs/hr)(actual from submittals),
8) Load (coil) Pressure Drop (in PSI)(actual from submittals),
9) Desired Valve Pressure Drop,
10) Calculated Valve Cv,
11) Selected Valve Cv,
12) Actual Valve Pressure Drop (in PSI),

13) Manufacturer,
14) Part Number,
15) Body Style (e.g. globe, butterfly, ball),
16) Size (in inches),
17) Pipe Connections (sweat, screwed, flanged),
18) Fail Position Flow Pattern (de-energized) (e.g. open, closed, last position, thru coil, bypass coil),
19) Actuator Model Number,
20) Actuator Working Range (in volts, mA or psi as applicable),
21) Actuator Close-Off Pressure (against system),
22) Comments.

o. Summary index of all catalog cut sheets included. Index shall precede cut sheets and list the order of the cut sheets.
p. Cataloged cut sheets of all equipment used. This includes, but is not limited to DDC panels, operator workstations, portable operator terminals, sensors, actuators, dampers, valves, control air system components, etc. Provide range and scale information for all transmitters and sensors. Clearly indicate via highlighter, circle or arrow on each sheet the specific device selected and applicable options.
q. Training course outlines for each four-hour session.
r. Define a preliminary scope and sequence of field tests that will be executed to demonstrate that the system performs all specified functions. Include in the scope the method by which system accuracy will be demonstrated.

7. Contractor shall be responsible for gathering all equipment information necessary to prepare submittals. Contractor shall be responsible for field verification of site conditions and for gathering all field data necessary to prepare accurate submittals.
8. Contractor shall not order material, begin fabrication or field installation until receiving authorization to proceed in the form of a reviewed submittal. Contractor shall be solely responsible for the removal and replacement of any item not reviewed by submittal at no cost to the City.
9. Submittal Review: The Commissioner shall perform no more than two reviews of each submittal item. Should the submittals not be acceptable after the second review, the Contractor shall pay all additional expenses incurred by the Commissioner in reviewing additional submittals at the Commissioner's current standard rate.

D. As-Built Documentation: The Contractor shall submit as-built documentation in accordance with Contract Documents Part Two of Three. As-Built drawings shall conform to the guidelines set forth in the Chicago Department of Aviation CADD Standards, CADD Standards User Manual, Release 1.1, Micro Station format only.

E. Server / Workstation Image: Provide digital image of each server / workstation hard drive to owner prior to turnover of project.

F. Software Tools: At project turnover, software shall be unlocked and all software tools provided to the owner.

G. Integrate with flow diagrams, show outlines of HVAC equipment with control devices, schematic one-line control piping and wiring, and reduced floor plan drawings showing installation routing of all DDC system network LANs. Equipment numbers shall correspond to those shown on the Contract Drawings. Provide As-Built drawings as follows:

1. One set of reproducible electronic drawings
2. Ten complete sets of drawings

3. One set of applicable drawings placed in the plan pocket of each local control panel. System flow diagram, panel wiring diagram and points list shall be provided inside each panel housing a digital controller, except terminal units
4. Two complete electronic/digitaltape backup of operatorsoperator's workstation (Final digital media format to be determined by CDA at time of turnover).
5. Two complete electronic/digitaltape backup of all controller programs, controller software source code, database files, and configuration files (Final digital media format to be determined by CDA at time of turnover).
6. Two copies of all training lecture videovideo tapes
7. Electronic Portable Document Folder (PDF) of entire temperature controls submittal updated to match actual installation including but not limited to drawings, product data, cut sheets, sequences, wiring diagrams, system architecture, etc.

H. Operation and Maintenance Manuals

1. Submit ten sets and electronic PDF of each manual.
2. Include the following documentation in the Hardware Manual:
   a. General description and cut sheets for all components
   b. Detailed wiring and installation illustrations and complete calibration procedures for each field and panel device
   c. Complete trouble-shooting procedures and guidelines
   d. Complete operating instructions for all systems
   e. Maintenance Instructions: Document all maintenance and repair / replacement procedures. Provide ordering number for each system component, and source of supply. Provide a list of recommended spare parts needed to minimize downtime.
   f. Complete set of approved submittals as outlined in this specification

3. Include the following documentation in the DDC Software Manual:
   a. Table of Contents
   b. Sequence of Operations
   c. Program Function Index
   d. Program Listing of Software Source Code or Flow Chart Diagrams of Programming Objects. For control systems using either compiled program code or interpreted code provide source code of all programs and function libraries to be installed. For systems using a graphical object orientated programming environment, provide a computer plotted flow chart showing the interconnection of the programming objects and all associated parameters. A copy of the flow chart shall be provided in a digital media format as selected by CDA on disk or CD-ROM and in hard copy format.
   e. Printed and electronic PDF listing of controller and operator workstation database files
   f. Appendix A: Alphabetical Software Point Name Abbreviation List. Include Name, Description, Controller Where Located, Point Type and Point ID
   g. Appendix B: Alphabetical I/O Point List. Include Point Name, Controller Location, Point Number, Control Device, Range and Span
   h. Appendix C: Sample printouts of all; Reports, Group Listings and Alarm Messages
   i. Alphabetical Index of all DDC point names with documentation manual page number references

4. Provide three copies and electronic PDF of all manufacturers manuals covering the installed system. This shall include, as a minimum:
   a. System Engineering Manual
   b. System Installation Manual
   c. Programming Manual
   d. Engineering and Troubleshooting Bulletins
   e. Operator Workstation Software Manual
   f. All other pertinent manuals published by the control system manufacturer

5. All manuals shall be provided in hard copy format and as part of an On-Line documentation system through the operator workstation.

1.6 QUALITY ASSURANCE:

A. General

1. The building automation system herein specified shall be fully integrated and installed as a complete package by the Contractor. The Contractor shall include all wiring, piping, installation supervision, calibration, adjustments, and checkout necessary for a complete and fully operational system.
2. No more than two air handling units / roof top units shall be connected to a single panel.

B. The Contractor shall be responsible for all work fitting into place in a satisfactory and neat workmanlike manner acceptable to the Commissioner.

1. The Contractor shall confer with all involved in the project regarding the location and size of pipes, equipment, fixtures, conduit, ducts, openings, switches, outlets, etc., so that there will be no interferences.
2. Locations of items not fixed by dimensions are approximate only. Exact locations necessary to secure the best conditions and results shall be determined at the site by Contractor, subject to review by the Commissioner.
3. The drawings shall be thoroughly examined for control device and equipment locations. Any discrepancies, conflicts, or omissions shall be reported to the Commissioner before work is started.

C. Contractor Experience

1. The BAS as defined in the Contract Documents is considered to be a highly specialized system. The Contractor shall be a building automation system specialist regularly engaged in the engineering, programming, installation, and service of building automation systems of similar size and complexity. As a building automation system specialist, the Contractor is expected to demonstrate an understanding of the systems and equipment to be placed under control, including knowledge of acceptable engineering, programming, installation and wiring interface methods. The Contractor shall submit in writing at the time of subcontractor approval the following information for review by the Commissioner.
   a. The Contractor shall have a substantial experience with the complete, turn-key installation of building automation systems of similar scope and size as this project. Document this business experience.
   b. The Contractor shall have a local service facility within a 50-mile radius of the job site, staffed with qualified service personnel, fully capable of providing instructions as well as routine and emergency maintenance service on all system components. Emergency service shall be available on a 24 hour, 7 day a week basis. Describe this local service capability.
   c. The Contractor shall employ specialists in the field of building automation systems including: project management, engineering, programming, field supervision installation, and start-up. Specialists shall have a substantial experience with building automation systems and substantial experience with the specific control system to be installed. Provide resumes for each member of the project team proposed for this project.
   d. The Contractor shall be an authorized and factory trained installer for the BAS proposed for this project. The BAS manufacturer shall provide written authorization of Contractor. Document this authorization.

e. The Contractor's local office shall have installed building automation system projects of similar size and technical complexity with products by the proposed BAS manufacturer. These projects must be on-line and functional such that the Commissioner can observe the BAS in full operation. Document these similar installations. Project reference shall include contact name and phone number.
f. The Contractor shall have direct installation experience with ASHRAE/ANSI BACnet 135- 20162004. Project reference shall include contact name and phone number.
g. The Contractor shall provide a building automation system that meets specification requirements. Provide a riser diagram of the proposed BAS including the manufacturer's part numbers of individual DDC controllers. Submit product data information sheets for each model of DDC controller identified on the BAS riser diagram.
h. Provide a project schedule for this BAS installation including significant tasks and milestones.
i. The contractor shall use certified electricians to install the BAS. Document the experience of these skilled trades and any Contractor employee to be used for this portion of the work.

D. BAS Manufacturer Experience

1. The Contractor shall provide building automation system products from manufacturers regularly engaged in the production of specialized building automation systems for the HVAC industry. The Contractor shall submit in writing at time of subcontractor approval request the following BAS manufacturer information for review by the Commissioner.
   a. The BAS manufacturer shall have provided projects with building automation systems of similar size. These projects must be on-line and functional such that the Commissioner can observe the BAS in full operation. Document these similar installations. Project reference shall include contact name and phone number.
   b. The BAS manufacturer shall have provided projects with building automation systems of similar technical complexity. This project requires the use of ASHRAE/ANSI BACnet 135- 20162004 as the communication protocol between the operator workstation and system controllers or BACnet gateways. Document these similar installations where the BACnet standard of Conformance Class 3 was successfully implemented between the BAS manufacturer and at least two other building automation system manufacturers. Project reference shall include contact name and phone number.
   c. The BAS manufacturer shall have provided no less than two projects which required on-site demonstration of conformance to the BACnet standard with other building automation system manufacturer's systems. Project reference shall include contact name and phone number.

E. Products

1. Building automation system DDC controllers shall be the products of manufacturers regularly engaged in the production of specialized building automation control systems for the HVAC industry. Building automation system products shall be the manufacturer's latest standard design that complies with the specification requirements. DDC controllers and system components shall be current production products at time of submittal; Prototypes, Beta or other non-current product offerings shall not be accepted.
2. This installation shall not be used as a test site for any new products, unless approved by the Commissioner.
3. All other project materials and equipment shall be the products of manufacturers regularly engaged in production of materials or equipment for building automation systems. The products shall be the manufacturer's latest standard design that complies with the specification requirements. Where two or more units of the same equipment are required,

these units shall be products of a single manufacturer; however, the component parts of the system need not be the products of a single manufacturer. Each component product shall have the manufacturer's name, city, model and serial number permanently attached on the product.

4. Spare parts shall be available for at least five years after completion of this contract.

F. Quality Assurance Program

1. The Contractor shall implement a pro-active Quality Assurance Program. This program shall consist of the following minimum requirements. The Contractor shall be fully responsible for compliance with the installation standards and system requirements as defined herein.
   a. The Contractor shall assign a single individual, the Quality Assurance Manager, to be responsible for the management of the Quality Assurance Program.
   b. The Quality Assurance Manager shall submit to the Commissioner documentation of:
      1) Training for employees, both office and field, and subcontractors, on the Quality Assurance Program.
      2) Written verification that each worker on the project has read the specification sections outlining the project requirements for their area of specialty. No work shall be performed by any individual or company until this requirement has been met. The initial project team shall be documented in the First Project Submittal.
      3) A detailed audit trail for all Quality Assurance issues including: problem ID number, date of original problem report, name of individual initiating report, individual assigned responsibility for resolving the problem, all correspondence related to the problem, and final problem resolution shall be submitted to the Commissioner by the Quality Assurance Manager.

   c. Each individual team member shall be responsible for identifying and reporting Quality Assurance problems and for assisting, as requested by the Quality Assurance Manager, in the resolution thereof.
   d. Resolution of all Quality Assurance issues shall be at the Contractor’s expense.
   e. The Quality Assurance Manager shall submit copies of all Quality Assurance Audit Record entries to the Commissioner. All Quality Assurance related correspondence shall include the problem ID number.
   f. The Commissioner shall have full audit authority over the Contractor’s Quality Assurance Program. The Contractor shall retrain or remove from the project any individual identified by the Commissioner whose workmanship is below acceptable quality standards. All quality control decisions by the Commissioner are final.

2. The tie-in of the new control systems into the existing campus system shall be done with a minimum disruption to operations. If requested, switchover shall be done during non-occupied hours.

1.7 DELIVERY, STORAGE, AND HANDLING:

A. Refer to the Basic Mechanical Requirements Section, 15100.

B. Deliver products properly identified with names, model numbers, types, grades and compliance labels. Products shall be adequately packaged or protected to prevent deterioration during shipment, storage, and handling.

C. Except where prepared and protected specifically for exterior storage, store materials in a dry and well ventilated indoor space.

1.8 WARRANTIES:

A. Refer to the Basic Mechanical Requirements Section, 15100.

B. The BAS shall be free from defects in material and workmanship under normal use and service for a period of two (2) years after final acceptance of the project. After completion of the installation, the Contractor shall adjust all control equipment and software provided under this Section. If within two (2) years from the date of final acceptance of the project, any of the control equipment and software is defective in operation, workmanship or materials, it shall be replaced, repaired or adjusted, as directed by the Commissioner, at no cost to the City.

C. A statement of BACnet compliancy shall be provided in the O&M documentation.

1.9 EXTRA MATERIALS AND SPARE PARTS: NOT USED

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS:

A. The following is a list of BAS manufacturers who are regularly engaged in the production of specialized building automation control systems for the HVAC industry. This listing shall not relieve the Contractor of compliance with any Contract Document requirements.

Item	Manufacturer
Building Automation Systems	Automated Logic Corp, Siemens Building Technologies, Honeywell, Johnson Controls,

B. The design of this project, including all plans, drawings, and construction details, is based on the stated manufacturer's model numbers. If the Contractor intends to provide items or equipment from any of the other acceptable manufacturers listed in the Contract Documents, then the Contractor shall be responsible for the cost of any and all work, including, but not limited to additional design, engineering, labor, material, equipment and incidental costs, necessary to accommodate such items or equipment for this project.

C. Any and all work that may be required to accommodate any items or equipment of the other acceptable manufacturers listed in the Contract Documents is, without limitation, subject to the review of the Commissioner.

2.2 BAS NETWORK:

A. First Tier Network

1. The BAS shall network multiple operator workstations and system controllers. The first tier network shall provide communications between operator workstations and through a router or gateway to systems controllers.
2. The first tier network shall utilize ASHRAE/ANSI 135- 20162004 BACnet open communications standard as the communications protocol between devices, and as a minimum, support Conformance Class 3.
3. The first tier network shall operate at a minimum communication speed of 10 M bps on Ethernet 10Base-FL with full peer to peer network communications.
4. Operator workstations, routers, gateways and native BACnet compliant system controllers shall reside on the first tier.

B. Second Tier Network

1. The second tier network shall be connected between routers, gateways and system controllers.
2. The second tier network shall utilize either ASHRAE/ANSI 135- 20162004 BACnet open communications standard as the native communications protocol between devices, and as a minimum, support Conformance Class 3 or the BAS manufacturers proprietary communications protocol.
3. Second tier networks shall operate at a minimum communication speed of 38.4 K bps.
4. Data points on each second tier network shall be shared over the first tier network and used by other second tier networks as required by the sequences of operation.

C. Gateways and Routers

1. Gateways and Routers shall be provided to:
   a. Extend the control system beyond the capacity of a single first tier network.
   b. Provide for a change in network physical media or data transmission rates.
   c. Translate between the BAS manufacturer's proprietary communications protocol and the BACnet standard.

2.3 DDC HARDWARE:

A. General Requirements

1. All DDC Controllers shall be either UL or CSA listed and shall be FCC class B compliant.
2. Spare I/O Point Capacity: Each system controller shall have a minimum of fifteenten percent spare I/O point capacity for future point expansion. The type of spares shall be in the same proportion as the implemented I/O functions of the panel, but in no case shall there be less than one spare I/O point for each implemented I/O type. Provide all processors, power supplies, communication controllers, and I/O point modules so that the implementation of a point only requires the addition of the appropriate point field wiring and device. Provide sufficient internal memory for the specified control sequences, alarming and history trending and have at least 25% of the memory available for future use.

B. System Controller

1. Communications Network: Controller shall reside on the second tier network.
2. Processor: controllers shall be microprocessor-based with a minimum word size of 16 bits and a maximum program scan rate of 1 second. They shall be multi-tasking, multi-user, real-time digital control processors consisting of modular hardware with plug-in enclosed processors, communication controllers and power supplies. Controller size and capability shall be sufficient to fully meet the requirements of this specification.
3. Memory: Each controller shall have sufficient memory to conform to the performance requirements, as specified below, to support its own operating system, databases, control programs.
4. Hardware Real Time Clock: The controller shall have an integrated hardware based real time clock.
5. Communications Ports: Controller shall provide at least one RS-232 serial data communication ports for operation of operator I/O devices such as industry standard printers, operator terminals, modems and portable operator's terminals. Controllers shall allow temporary use of portable devices without interrupting the normal operation of permanently connected modems, printers or terminals.
6. Diagnostics: Controller shall continuously perform self-diagnostics, communication diagnosis and diagnosis of all panel components. The network controller shall provide both local and

remote annunciation of any detected component failures, low battery conditions or repeated failure to establish communication.

7. EMF Isolation: Isolation shall be provided at all first, second and third tier network termination's, as well as all field point termination'sterminations to suppress induced voltage transients consistent with IEEE Standards 587-1980.
8. Power Failure: In the event of the loss of normal power, there shall be an orderly shutdown of all controllers to prevent the loss of database or operating system software. Nonvolatile memory shall be incorporated for all critical controller configuration data, and battery backup shall be provided to support the real-time clock and all volatile memory for a minimum of 72 hours.
    a. During a loss of normal power, the control sequences shall go to the normal system shutdown conditions.
    b. Upon restoration of normal power, after a minimum off time delay, the controller shall automatically resume full operation without manual intervention through a normal soft-start sequence.
    c. Should a controller memory be lost for any reason, the operator workstation shall automatically reload the program transparent and without any intervention by the system operators.
        1) Systems which do not provide automatic downloading of control programs shall provide:
            a) An alarm light controlled by two or more controllers performing watch dog functions of all other controllers to detect a loss of control program. The alarm light shall flash once per second until the alarm is acknowledged by an operator from the operator workstation and then remain ON until the controller's program has been reloaded. The alarm light shall be located as directed by the Commissioner.

    d. The system operators shall have the capability of manually reloading the system controller via the local RS-232C port or from the operator workstation.

9. Certification: All controllers shall be listed by Underwriters Laboratories (UL) against fire and shock hazard as a signal system appliance unit.
10. Inputs: Monitoring of the following types of inputs, without the addition of equipment outside the system controller cabinet:
    a. Analog inputs shall have a minimum of 10 bit A/D resolution and shall monitor the following analog signals:
        1) Thermistors
        2) 4-20 mA Sensors
        3) 0-10 VDC Sensors
        4) 1000 ohm RTD's

11. Outputs:
    a. Analog outputs shall have a minimum of 8 bit D/A resolution and shall of provide the following control outputs:
        1) 4-20 mA - Sink or Source
        2) 0-10 VDC

    b. Binary outputs shall provide SPDT output contacts rated for 2 amps at 24 VAC. Provide surge and noise suppression on all pilot relays. Inductive loads, i.e. solenoids, shall be controlled by pilot relays.
    c. TriState outputs shall be paired binary outputs for use as Power Close/Power Open control output contacts rated for 2 amps at 24 VAC. Provide surge and noise suppression on all pilot relays. Inductive loads, i.e. solenoids, shall be controlled by pilot relays.

12. Manual Overrides:
    a. The ability to manually override each system controller's binary and analog output points shall be provided. Manual overrides shall be independent of the controller's processor and function when the processor has failed or is off-line. Each manual override shall be monitored by the system controller such that an override not in the automatic position (ie. hand and off) is specifically indicated. System controllers shall collect override status of all output points and provide a summary report on the operator workstation of all override activity. Provide manual overrides by any or all of the following methods.
    b. Manual override switches shall be provided for all binary outputs.
        1) Manual override switches shall be provided for all binary outputs which do not have an MCC Hand/Off/Auto switch.
        2) Switches may be mounted on the point module or within the system controller key-accessed enclosure, or the adjacent local control panel.

    c. Manual override switches shall be provided for all analog outputs.
        1) Switches may be mounted on the point module or within the system controller key-accessed enclosure, or the adjacent local control panel.
        2) Switches shall be rotary gradual position providing the full analog signal range of the associated analog output and shall be operable whether the panel processor is operational or not. Jumper type overrides are not acceptable.
        3) Graduated override controls for analog outputs shall include scaled markings indicating the output value. Systems which do not offer override indicator shall include a panel mounted DC volt metervoltmeter and wiring connections to allow the monitoring of each analog output value.

    d. Status Indication: System controllers shall provide local LED status indication for each binary input and output for constant, up-to-date verification of all point conditions without the need for an operator communications interface device. Analog indication of value shall be provided for each analog output.

13. Systems: Provide individual system controllers as required by the sequences of operation.
    a. Systems that use second or third tier controllers as point expansion for system controllers shall only be allowed under the following conditions:
        1) All I/O points shall meet the requirements for system controller I/O.
        2) All software control sequences shall reside within the system controller.
        3) The system controller shall have direct control over the expansion output points. No coordination software within the expansion controller shall be required for system controller command of outputs.
        4) The system controller output commands shall be executed within 1 second by the expansion controller.
        5) Input values shall be directly read by the system controller and shall require no coordination software within the expansion controller.
        6) Input values from the expansion controller shall be updated to the system controller a minimum of once per second.
        7) The system controller shall monitor the operational status of the expansion controller and shall initiate an alarm and automatically shutdownshut down the controlled system if operation and/or communications is unreliable.
        8) Expansion controllers shall be used only upon review and acceptance by the Commissioner.

2.4 DDC SOFTWARE:

A. General Requirements

1. The software control language used in all digital controllers shall provide point identifications which are a minimum of 10 alpha/numeric characters in length. The first group of five characters (minimum) shall be the HVAC equipment designation as shown on the equipment schedule drawings. The second group of five characters (minimum) shall be used to designate individual points.
2. There shall be a maximum of one (1) programming language used by the BAS.
    a. The fully programmable primary language used by the system controller.

B. System Controller

1. General Requirements
    a. All necessary software to form a complete operating system as described in this specification shall be provided and shall reside solely within the individual controller.
    b. The software programs specified in this section shall be provided as an integral part of controllers and shall not be dependent upon any higher level computer or controller for execution.
    c. Each controller shall be fully independent from other controllers with the following exceptions:
        1) Common outside air temperature and humidity, fire alarm status, and other common points as designated in this specification.
        2) Shared data points shall be available to any peer level controller and shall be updated no less than once each 15 seconds.

2. Programming Environment
    a. Pre-Programmed Processes: Controllers which utilize pre-programmed processes shall be acceptable provided that they also meet the custom process capabilities as specified herein.
    b. Custom Processes: Controllers shall execute custom, job-specific processes defined by the user, to automatically perform calculations and special control routines. Control programs shall be English language orientated and I/O points, program variables and constants shall be accessed by a 10 character point name. Program source code shall allow for unlimited comment lines for documentation of software function and use. Programming languages shall be based on a PC industry standard programming language, such as BASIC, PASCAL or 'C' or provide comparable programming capability. Proprietary graphical programming languages shall include programming tools, documentation and online tutorials to assist in developing programming skills. For graphically programmed systems or systems with languages not based on a PC standard programming language, include a minimum of 16 hours of additional programming training for instructing the building operators on the use of, and the interpretation of, the system software.
    c. The programming language must be simple and concise in use. It must provide a complete set of logic and programming functions equivalent to ANSI “C” as a minimum standard.
    d. Any process shall incorporate measured or calculated data from any and all other system controllers on the network as may be required to execute the specified sequence of operations.
    e. Processes shall generate operator messages and advisories to operator I/O devices. A process shall directly send a message to a specified device or cause the execution of a dial-up connection to a remote device such as a printer or pager.
    f. The custom control programming feature shall be documented via English language descriptors.
    g. Each controller shall execute a minimum of three standard or custom processes for each physical input and output.
    h. The programming language must support the creation of custom "Library Routines" to handle common control applications for the facility. It shall be possible to create a

"Template" for a specific program sequence with all associated blocks defined for ease of use.

1) Templates shall have a global search and replace tool to allow the user to apply the individual real world points to a template in one step. Systems that require the user to recreate or reenter the object link definitions shall not be accepted.

3. Schedules
   a. Controllers shall provide user definable schedules as follows:
      1) Weekly schedules with multiple Start/Stop times for each day of the week.
      2) Temporary weekly override schedules.
      3) Special override schedules for specific user selectable calendar dates.
      4) Holiday scheduling, including floating holidays.

   b. Weekly schedules shall be provided for each piece of equipment with a specific time use schedule. Each schedule shall include start and stop times for each day of the week. Multiple weekly schedules may be grouped together to control a single piece of equipment or equipment group.
   c. It shall be possible to define one or more master holiday schedules to allow the operator to define in one location the holidays for all associated schedules. Systems requiring the operator to change holiday definitions on a schedule by schedule basis shall not be accepted.
   d. Standard weekly schedules shall be inactive on a holiday. The system shall allow the user to include in a schedule group a schedule which will only be active if today is a holiday.
   e. Temporary weekly overrides schedules may be inserted into schedule groups for modified operating schedules. After overrides have been executed, the original schedule will automatically be restored.
   f. Schedules shall be provided for each system, or sub-system in the facility. Each schedule shall include all commandable points residing within the system. Each point may have a unique schedule of operation relative to the system use schedule, allowing for sequential starting and control of equipment within the system.
   g. Special days shall automatically reschedule equipment operation as previously defined on the weekly schedules on a specific calendar date.

4. Historical Data Collection: Historical data collection utilities shall be provided to automatically sample, store and display system data for points as specified.
   a. Each controller shall store point history data for all analog and digital inputs and outputs as follows:
      1) Any point, physical or calculated may be designated for trending. Three methods of collection shall be provided:
         a) pre-defined time interval
         b) upon a change of value
         c) whenever a value is out of range.
      2) Sample intervals of 1 controller scan to 7 days shall be provided. Each system controller shall have a dedicated RAM-based buffer for trend data and shall store 96 samples for each physical point and software variable, including an individual sample time/date stamp. Points may be assigned to multiple history trends with different collection parameters.
   b. Trend and change of value data shall be stored within the controller and uploaded to the workstation when retrieval is desired. Uploads shall occur based upon either a user-defined interval, manual command or when the trend buffers are full. All trend data shall be available for use in third party personal computer applications such as Excel via a single command data export utility.
   c. Provide formatted trend report displays for each point. Include all trend data and associated parameters.

d. Provide pre-formatted commands to view and print trend reports.

5. Alarms: Alarm management shall be provided to monitor and direct alarm information to operator devices. Each controller shall perform distributed, independent alarm analysis and filtering to minimize operator interruptions due to non-critical alarms, minimize network traffic and prevent alarms from being lost. At no time shall the controller ability to report alarms be affected by either operator activity at a workstation, local I/O device or communications with other panels on the network.
   a. All alarm or point change reports shall include the point's English language description and the time and date of occurrence.
   b. The user shall be able to define the specific system reaction for each point. Each alarm shall have user definable destination categories (i.e. PC, printer, system controller, pager, etc.) to provide full flexibility in defining the handling of system alarms. Each system controller shall automatically inhibit the reporting of selected alarms during system shutdown and start-up. Users shall have the ability to manually inhibit alarm reporting for each point. The Contractor shall request from the Commissioner a configuration list for all alarms to be activated for the system and shall configure the initial alarms as requested. After configuring the initial alarms, the Contractor shall train the building operators on the use and configuration of the alarm system. After final acceptance of the project, the building operators shall be responsible for alarm management and configuration.
   c. Alarm reports and messages will be directed to a user-defined list of operator devices and/or workstations.
   d. In addition to the point's descriptor and the time and date, each system controller shall store a library of at least 50 custom alarm messages. Each message may be assignable to any number of points in the controller. The alarm message shall be a minimum of 60 characters.
   e. Operator-selected alarms shall initiate a call to a remote operator device, such as a remote alarm printer or digital pager.
   f. Local Alarms
      1) The controller shall provide alarm monitoring for all analog input values that are outside of user definable ranges, for all binary alarm status points and for all binary output points that do not prove status based on a paired binary input status point.
      2) The user shall be able, from the operator workstation, to configure the alarm limit ranges, limit deadbands and to enable/disable the alarm.
      3) The user shall be able to configure any controller alarm as a conditional alarm that will only occur when a selected binary point is ON or OFF. This shall be used to prevent nuisance alarms during non-operating and/or system startup modes.
      4) Temperature alarms shall be operator configured to alarm based on:
         a) An operator adjustable alarm deadband which shall generate a warning or alarm whenever the temperature is above the current active setpoint plus the alarm deadband or below the current active setpoint minus the alarm deadband.
         b) High and Low alarm limit setpoints with either return to normal values or deadbands.

6. Remote Communications: Controllers shall provide at least one RS-232 serial data communication port for operation of a PC industry standard modem for access by a remote portable operator's terminal or workstation.
7. Controllers shall automatically accumulate and store run-time hours for all digital input and output points.
   a. The totalization routine shall have a sampling resolution of one minute or less.

b. The user shall have the ability to define a warning limit for run-time totalization for each point. Unique, user-specified messages shall be generated when the limit is reached.
c. Provide a formatted report display for each point showing all calculated data and associated parameters.

8. Controller shall automatically accumulate and store the average, minimum and maximum values for all analog input and output points.
   a. Provide a formatted report display for each point showing all calculated data and associated parameters.

9. Controllers shall automatically sample, calculate and store consumption totals on a daily, weekly and monthly basis for all analog and digital pulse type inputs monitoring flow, KW, KWH, etc.
   a. Totalization shall provide calculation and storage of accumulations of up to 9,999.9 units (e.g., KWH, gallons, BTU, tons, etc.)
   b. The totalization routine shall have a sampling resolution of one minute or less.
   c. The user shall have the ability to define a warning limit. Unique, user-specified messages shall be generated when the limit is reached.
   d. Provide a formatted report display for each point showing all calculated data and associated parameters.

2.5 WORKSTATION HARDWARE:

A. Personal Computers

1. The Contractor shall provide and install twoa personal computer operator workstations with a report printer and alarm printer. Personal computer operator workstations shall be provided for command entry, information management, network alarm management and database management functions. All real-time control functions, including scheduling, history collection and alarming, shall be resident in the BAS controllers to facilitate greater fault tolerance and reliability. The personal computers shall be configured as follows:

Personal Computer Manufacturer: Dell, Asus, or HP
16 GB RAM (minimum) - Windows 10 Professional or Greater
16 GB RAM (minimum) - Windows Server 2016
3.5 GHZ or Faster Clock Speed Intel Core i7-6800K
PnP compliant motherboard
1 TB or larger SSD Hard Drive

Hard drive backup system:
2 Bay QNAP Turbo NAS, minimum of 4 TB capacity.
(1) DVD ROM Drive, 24x or 24x DVD-RW Serial-ATA
(2) Serial & (1) Parallel Ports, ESP/EPP compliant
(2) SuperSpeed USB 3.0
Ergonomic Key-Board & Optical Mouse
32" UHD Monitor
NVIDIA® GeForce® GTX Series Graphics Card.
Windows 10, Windows Server 2016 or Greater
Microsoft Office Professional 2016 or Greater
Latest AntiVirus Program
Provide Raid System to provide full backup in the event of hard drive disc failure.

UPS System for Workstation:
AC 120V, 1000Watt/1440 VA or Greater, Input Power

NEMA 5-15, Output Power 8 x power NEMA 5-15,
Include 2 printed manuals for all included software and peripherals.
Complete operator workstation software package including any hardware or software 'Keys'.
Include original installation disks for all included software, device drivers and peripherals. Disk images supplied on the hard disk or disks copied by the Contractor shall not be acceptable.
Provide software registration cards to the Commissioner for all included software.
All software shall be the most current release version available at time of installation.

B. Network Communication Card

1. Provide a first tier network interface card for each operator workstation. First tier network shall be industry standard Ethernet communications card.
2. Intel 7260 802.11ac 2x2 Wireless
3. WiFi and Bluetooth 4.0
4. 1 RJ-45 Gigabit Ethernet

C. Provide all software, device drivers and node licenses required for each workstations.

D. Printers - Alarms & Reports

1. Brother, Dell, or HP All In One Laser Printer

Personal Computer Manufacturer: IBM, Compaq, Gateway, or Dell
32 MB RAM (minimum) - Windows For Workgroups 3.11
32 MB RAM (minimum) - IBM OS/2 Version 3.0
32 MB RAM (minimum) - Windows 95
32 MB RAM (minimum) - Windows NT Workstation
64 MB RAM (minimum) - Windows NT Server
300 MHZ or Faster Clock Speed Pentium II Microprocessor w/ MMX
PnP compliant motherboard
6.0 GB or larger EIDE Hard Drive

Hard drive backup system:
Magnetic/Optical Rewritable Drive, minimum of 1 GB capacity. IOMEGA JAZ Drive, include 2 disks. Provide backup utility software program.
(1) 3-1/2" Diskette Drive
(1) CD ROM Drive, 14x or faster speed EIDE/ATAPI or SCSI-2
(2) Serial & (1) Parallel Ports, ESP/EPP compliant
101 Key-Board & 2 Button Mouse
21" SVGA Monitor 1024 x 768 NI resolution with .26 or better dot pitch and 72 Hz minimum vertical refresh rate at maximum resolution.
Super VGA card with 1024 x 768 NI resolution with 65 K colors and 2 Meg video RAM.
MSDOS Version 6.22 or later.
Windows for Workgroups 3.11, Or Windows/95 Or Windows NT Workstation, Or IBM OS/2.
Memory management software providing a minimum of 600 K available base memory and EMS and XMS management services.
Include original printed manuals for all included software and peripherals.
Complete operator workstation software package including any hardware or software 'Keys'.
Include original installation disks for all included software, device drivers and peripherals. Disk images supplied on the hard disk or disks copied by the Contractor shall not be acceptable.

Provide software registration cards to the Commissioner for all included software. All software shall be the most current release version available at time of installation.

E. Network Communication Card

1. Provide a first tier network interface card for each operator workstation. First tier network shall be industry standard Ethernet communications card.

F. Provide all software, device drivers and node licenses required for each workstation.

G. Printers - Alarms

Printer Type:	Dot Matrix
Printing Method:	24-Pin Impact Dot Matrix
Print Speed:	270 Characters Per Second
Buffer:	64 K Input Print Buffer Internal or external

H. Printers - Reports

Printer Type:	Ink Jet
Printing Method:	600 DPI Black, 300 DPI Color
Print Speed:	4 Pages Per Minute (Black)
Color Printing:	Include Color Kit

2.6 OPERATOR INTERFACE SOFTWARE:

A. General Requirements

1. A single integrated software package shall be used as the operator interface program. Systems which require the use of multiple operator interface programs to access all controller point data will not be accepted.
2. Operator interface software upgrades which result in the correction of known software deficiencies, “bugs”, shall be provided free of charge for each licensed workstation for a period of two years from the date of final acceptance.
3. All inputs, outputs, setpoints, alarm limits, time delays, PID tuning constants, run-times, point statistics, schedules, analog point range, span and signal conversion values, etc. and all other parameters, as defined within the specifications or Drawings, or required as part of the system software, shall be displayed for operator viewing and modification from the operator interface software. View/Modify of all points within the system shall be performed by one operator interface software package. Modification of the values of setpoints or other parameters shall not require the “reloading” of a controller’s applications software.
4. The operator workstation software shall provide context-sensitive help menus and instructions for each operation and/or application currently being performed.
5. System database information storage shall comply with one of the following:
   a. Stored in a comma delimited text based format capable of being importing into user application software for creation of documentation and/or custom reports,
   b. Stored in an industry standard database format such as Access, Paradox, Interbase, etc. The database shall support third party software queries using industry standard SQL commands for the creation of documentation and/or custom reports,
6. The workstation RAM memory shall be expanded, if necessary, to provide a minimum of 25% free memory when all applications are running in their most memory intensive modes.
7. The operation of the control system shall be independent of the operator workstation which shall be used for operator communications only. Systems which rely on the operator

workstation to provide supervisory control over controller execution of the sequences of operations or system communications shall not be acceptable.

B. Alarms

1. Each workstation shall receivereceive, and process alarms sent to it by the control system. The alarm management portion of the operator workstation software shall provide the following functions as a minimum:
   a. Log date and time of alarm occurrence.
   b. Generate a 'Pop-Up' window informing an operator that an alarm has been received.
   c. Allow an operator, with the appropriate security level, to acknowledge, delete or disable an alarm.
   d. Provide an audit trail log for alarms by recording operator acknowledgment, deleting or disabling of an alarm to a file on the workstation hard drive. Each log entry shall include the name of the operator, the alarm, the action taken on the alarm and a time/date stamp.
   e. All alarms received at an operatorsoperator’s workstation shall be recorded to the hard drive.
   f. The alarm management software shall allow the operators to view/manage the alarm data archived to hard disk. Selection of a single menu item or tool bar button shall allow the user to acknowledge, disable, delete or print the selected alarm.

2. Alarms shall be generated by the operator workstation for any controller that is 'Off-Line' and is not communicating or that does not have an active control program loaded.
3. Changes made to alarm setpoints from the Operator Workstation shall directly modify the controller alarm management database. Systems which require permanent alarm setpoint changes to be made with a program editor shall not be acceptable.
4. Selection of a single menu item or tool bar button shall print any displayed alarm report on the system printer for use as a building management and diagnostics tool.

C. Historical Trend Data Display

1. Provide trending for each system point that allows the user to easily monitor and preserve records of system activity over an extended period of time. Each system point shall be trended automatically at time-based intervals or changes of value, both of which shall be user-definable. Trend data may be selected by the operator to be automatically stored on hard disk for future diagnostics and reporting.
2. Trend data shall be accumulated within the field controllers and shall be uploaded to the workstation for display.
3. Trend data reports shall be provided to allow the user to view all trended point data. Reports may be customized to include individual points or pre-defined groups of at least 4 points.
4. Selection of a single menu item or tool bar button shall automatically format the trend information into a comma delimited tabular data file which will be directly importable by an off-the-shelf spreadsheet package such as Excel. This shall allow the user to perform custom calculations such as energy usage, equipment efficiency and energy costs and shall allow for generation of these reports on high-quality plots, graphs and charts.
5. The user shall be able to view trended data on trend tabular report displays. Reports shall display static point data from a remote controller's history trend buffers. A minimum of 4 points may be viewed simultaneously on a single table. Displays shall include a time/date stamp for each sample, column header with name of point/attribute being trended and engineering units for point. Points from multiple controllers shall be capable of being displayed on the same report.
6. Selection of a single menu item or tool bar button shall print any displayed trend data table on the system printer for use as a building management and diagnostics tool.

7. Pre-configure the system to provide 96 samples at 15 minute intervals for all analog points and 24 samples of change in value for all binary points.
8. Provide formatted trend report displays for each point. Include all trend data and associated parameters.

D. Program Editor

1. All temperature and equipment control strategies and energy management routines shall be definable by the operator. System definition and modification procedures shall not interfere with normal system operation and control.
2. Provide an Integrated Development Environment (IDE) to allow the operator to create/modify controller programs.
3. Programmer IDE shall provide context-sensitive help menus and instructions for each operation and/or application currently being performed, for all programming library functions and for the programming language itself.
4. Selection of a single menu item or tool bar button shall print any displayed program on the system printer or to a text archive file. For source code orientated languages, provide formatted text printouts. For graphical object orientated languages, provide program flow charts of objects including links between objects and parameter values.
5. Definition of operator device characteristics, Digital process control panels, individual points, applications and control sequences shall be performed using instructive prompting software.
6. Libraries of standard application modules such as temperature, humidity and static pressure control which may be used as "building blocks" in defining or creating new control sequences shall be provided. In addition, the user shall have the capability to easily create and archive new modules and control sequences as desired via a word processing type format or visual object configuration type format.
7. Provide a library of standard forms to facilitate definition of point characteristics. Forms shall be self-prompting and incorporate a fill-in-the-blank approach for definition of all parameters. The system shall immediately detect an improper entry and automatically display an error message explaining the nature of the mistake.
8. Provide the capability to backup and store all system databases on the workstation hard disk. In addition, all database changes shall be performed while the workstation is on-line without disrupting other system operations.
9. Changes shall be automatically recorded and downloaded to the appropriate digital process control panel. The user shall also have the option to selectively download changes as desired.
10. For systems with multiple operator workstations, provide a network based file management utility to keep the workstation databases "synchronized".
    a. This software shall on a preprogrammed basis update all workstations with the latest revisions of controller configuration and program files from each workstation.
    b. Systems which rely on a database file-server to store and distribute workstation database files shall not be accepted unless each operator workstation maintains a local copy of all system database information which will automatically be used to provide operator access to the system in the event of a loss of communications with the file-server.
    c. Under no condition shall the loss or removal of one operator workstation affect the operation of other workstations on the network.
    d. Provide a network, serial or parallel port data connection for the portable operator terminal to update its system database when specifically connected and activated by an operator.

E. Reports

1. Reports shall be generated and directed to either workstation displays, printers or disk. As a minimum, the system shall provide the following reports:

a. All points in the network
b. All points in a specific controller
c. A listing of a user defined group of points in the network. There shall be no limit to the number of user defined groups
d. All points currently in alarm
e. All points in hardware override
f. All disabled points
g. All weekly schedules
h. All or selected point attributes, including, but not limited to:
    1) Values
    2) Setpoints
    3) Alarm Limits
    4) Statistics
    5) Run Times
i. All programmed holidays and associated schedules
j. All disabled alarms
k. All active, unacknowledged alarms
l. All active, acknowledged alarms
m. All archived alarms
n. Any and all other controller operating parameters

2. Reports shall be provided for specific point types, for each logical point group, for user-defined groups or for the entire facility without restriction due to the hardware configuration of the control system or communications network.
3. The system shall allow for the creation of custom report point groups which shall be capable of including points from multiple controllers. Systems limiting point report displays to only a single controller's point database shall not be accepted.
4. The number of custom reports or display groups shall only be limited by the amount of available system memory.
5. Selection of a single menu item or tool bar button shall print any displayed report on the system printer for use as a building management and diagnostics tool.

F. Schedules

1. Provide a spreadsheet-type schedule input form for time-of-day scheduling and override scheduling of building operations. Provide the following spreadsheet types as a minimum:
    a. Weekly schedules, by system
    b. Temporary override schedules, by system
    c. Special “Only Active If Today Is A Holiday” schedules, by system
    d. Monthly calendars
    e. Holiday scheduling system, including the ability to define floating holidays

2. Weekly schedules shall be provided for each piece of equipment with a specific time use schedule. Each schedule shall include columns for each day of the week as well as holiday and special day columns for alternate scheduling on user-defined days.
3. Equipment scheduling shall be accomplished by simply inserting use and non-use times into appropriate information blocks on the spreadsheet.
4. It shall be possible to define one or more master holiday schedules to allow the operator to define in one location the holidays for all associated schedules. Systems requiring the operator to change holiday definitions on a schedule by schedule basis shall not be accepted.
5. Standard weekly schedules shall be inactive on a holiday. The system shall allow the user to include in a schedule group a schedule which will only be active if today is a holiday.

6. In addition, temporary overrides schedules may be inserted into schedule groups for modified operating schedules. After overrides have been executed, the original schedule will automatically be restored.
7. Schedules shall be provided for each system, or sub-system in the facility. Each schedule shall include all commandable points residing within the system. Each point may have a unique schedule of operation relative to the system use schedule, allowing for sequential starting and control of equipment within the system. Scheduling and rescheduling of points shall be accomplished easily via the system schedule spreadsheets.
8. Monthly calendars for a 24-month period shall be provided which allow for simplified scheduling of holidays and special days in advance. Holidays and special days shall be user-selected with the pointing device or keyboard and shall automatically reschedule equipment operation as previously defined on the weekly schedules.
9. Changes to schedules made from the operator workstation shall directly modify the controller schedule database. Systems which require permanent schedule changes to be made with a program editor shall not be acceptable.
10. Provide formatted schedule displays for each system. Include all schedule data and associated parameters.
11. Selection of a single menu item or tool bar button shall print any displayed schedule on the system printer for use as a building management and diagnostics tool.

G. Security

1. Multiple-level password access protection shall be provided to allow the user/manager to limit workstation control, display and data base manipulation capabilities as he deems appropriate for each user, based upon an assigned password.
2. Each user shall have; a user nameusername - 12 characters minimum, a password - 12 characters minimum, and an access level from 0 - 5.
3. Each user may change their password at will.
4. Passwords when entered or edited will not echo the actual characters for display on the monitor.
5. A minimum of six levels of access shall be supported as follows:
    a. Inactive - Level 0
        1) User temporarily disabled - no system access
    b. Guest - Level 1
        1) View only
    c. Operator - Level 2
        1) Modify/Override point values for setpoints and outputs
        2) View and acknowledge alarms
        3) View and print reports
        4) View and print point history trends
        5) Enter temporary schedules
        6) Request extended after-hours operation
        7) Change personal password
    d. Supervisor - Level 3
        1) Modify/Override point values for setpoints, outputs and inputs
        2) Enter weekly schedules
        3) Enter holiday schedules
        4) Set alarm limit setpoints
        5) Enable/Disable alarms
        6) Assign alarm messages to alarms
        7) Enable/Disable alarm paging for individual alarms
        8) Set point history trend parameters
        9) Reload controller programs
        10) Maintain system database archives including making tape or disk backups
    e. Programmer - Level 4

1) Create/Modify reports
2) Create/Modify alarms and alarm messages
3) Create/Modify display screens
4) Configure and program controllers

f. Administrator - Level 5
1) Create/Modify/Delete users
2) All available system privileges

g. Systems which do not provide the specified six programmed access levels in a preprogrammed package shall include pre-configured macro templates to allow a user to quickly select the access level desired without having to manually configure individual security items to match the access standards for the selected level.

6. A minimum of 50 unique users shall be supported.
7. Operators shall be able to perform only those commands available for their respective access level. Menu selections displayed shall be limited to only those items defined for the access level of the password used to log-on.
8. The system shall automatically generate a report of log-on/log-off and system activity. Any action which results in a change in the operation or configuration of the control system shall be recorded, including modification of point values, schedules or history collection parameters and all changes to the alarm management system including the acknowledgment and deletion of alarms.
9. User-definable, automatic log-off timers of from 5 to 60 minutes shall be provided to prevent operators from inadvertently leaving the operator workstation logged on.
10. A default user shall be configurable for automatic logon upon workstation system startup.
11. The Contractor shall provide a fully functional and implemented security system as defined herein.

H. System Configuration

1. The system shall be provided complete with all equipment, software and documentation necessary to allow an operator to independently perform all system configuration functions.

2.7 COLOR GRAPHIC SOFTWARE:

A. General Requirements

1. The color graphic software described in this section shall be an integrated part of the standard operator workstation software previously specified.

B. Software Data Exchange: The color graphic software shall support at least one of the following PC industry standard data exchange protocols:

1. DDE
2. OLE
3. SQL

C. Development Tools

1. Graphic generation software shall be provided to allow the user to add, modify or delete system graphic displays.
2. The Contractor shall provide libraries of pre-engineered screens and symbols depicting standard system components (e.g., refrigeration units, cooling towers, fan system components, etc.) and electrical symbols.

3. The graphic development package shall use a mouse or similar pointing device in conjunction with a drawing program to allow the user to perform the following:
   a. Define symbols.
   b. Position and size symbols.
   c. Define background screens via a graphics drawing utility equivalent to Corel Photo Paint Version 5.0.
   d. Define connecting lines and curves.
   e. Locate, orient and size descriptive text using all available system fonts.
   f. Define and display colors for all elements.
   g. Establish correlation between symbols or text and associated system points or other displays.
   h. Import PCX, BMP, WMF and JPG graphic format files.
   i. Support graphics with a minimum of 64 K colors and a resolution of 800 x 600 pixels.

4. Graphical displays shall be created to represent any logical grouping of system points or calculated data based upon building function, mechanical system, building layout or any other logical grouping of points which aids the operator in the analysis of the facility.
   a. To accomplish this, the user shall be able to build graphic displays that include point data from multiple direct digital controllers.

D. Dynamic Graphical Displays

1. Color graphic floor plan displays and system schematics for each piece of mechanical equipment including ventilation and air handling units shall be provided by the Contractor to optimize system performance analysis and speed alarm recognition.
2. Each mechanical system shall display all associated program parameters on a tabular or graphical screen linked directly to the system schematic diagram display. Provide multiple screens as required to display all information in an easy to read and well organized format. Parameters shall be grouped by logical function association.
3. Each mechanical system shall display associated schedule information on the specified formatted display which shall be linked to the system schematic diagram display.
4. Each history trend display for a mechanical system shall be linked to the systems schematic or parameter display screens.
5. The operator interface shall allow users to access the various system schematics and floor plans via a graphical penetration scheme, menu selection or text-based commands.
6. Dynamic temperature values, humidity values, pressure values, flow values and status indication shall be shown in their actual respective locations and shall automatically update to represent current conditions without operator intervention.
7. Dynamic graphical displays shall support a minimum of 100 live data links per display.
8. Each individual system graphic screen shall have a user definable minimum password level required for user access.
9. Each system graphic screen display shall draw, bind and update all information in less than 10 seconds.

E. Historical Data Graphical Displays

1. Provide a historical data display for each specified history trend that allows the user to view the trended data on a graphical display. Displays shall be actual plots of both static and real-time dynamic point data.
2. A minimum of 4 points may be viewed simultaneously on a single graph, with color selection and line type for each point being user-definable.
3. Displays shall include an 'X' axis indicating elapsed time and a 'Y' axis indicating a range scale in engineering units for each point. The 'Y' axis shall have the ability to be manually or automatically scaled at the user's option. Different ranges for each point may be used with

minimum and maximum values listed at the bottom and top of the 'Y' axis. All 'Y' axis data shall be color-coded to match the line color for the corresponding point.

4. Static graphs shall represent actual point data that has been trended within the field controllers, retrieved and stored on disk. Exact point values may be viewed on a data window by pointing or scrolling to the place of interest along the graph.
5. Dynamic graphs shall represent real-time point data. Any point or group of points may be graphed, regardless of whether they have been pre-defined for trending. The graphs shall continuously update point values. At any timetime, the user may redefine sampling times or range scales for any point. In addition, the user may pause the graph and take "snapshots" of screens to be stored on the workstation disk for future recall and analysis.
6. The user shall be able to print any graph on the system printer for use as a building management and diagnostics tool in both a tabular text format and as a graphical screen print.

F. Schedule Displays

1. The system shall allow the user to create custom configured schedule entry/display graphics.

2.8 PORTABLE OPERATOR TERMINAL HARDWARE & SOFTWARE:

A. The Contractor shall provide onea portable operator terminal. The portable operator terminal shall be provided for command entry, information management, network alarm management and database management functions. The terminal shall be configured as follows:

Personal Laptop Computer Manufacturer: Dell, Asus, or HP

16 GB RAM (minimum) - Windows 10 Professional or Greater
16 GB RAM (minimum) - Windows Server 2016
3.5 GHZ or Faster Clock Speed Intel Core i7-6800K
PnP compliant motherboard
500 GB or larger SSD Hard Drive

Hard drive backup:
(4) 64GB or Greater USB 3.0 Flash Drives
(2) Serial & (1) Parallel Ports, ESP/EPP compliant
(2) SuperSpeed USB 3.0
17" HD Monitor or Greater

NVIDIA® GeForce® GTX Series Graphics Card.
Windows 10, Windows Server 2016 or Greater
Microsoft Office Professional 2016 or Greater
Latest AntiVirus Program
Include 2 printed manuals for all included software and peripherals.
Complete operator workstation software package including any hardware or software 'Keys'.
Include original installation disks for all included software, device drivers and peripherals. Disk images supplied on the hard disk or disks copied by the Contractor shall not be acceptable.
Provide software registration cards to the Commissioner for all included software.
All software shall be the most current release version available at time of installation
Carrying Case.
Spare battery.
LapLink V file coordination software, or equivalent.
External power supply / battery charger.
Three Year On-Site Unlimited Warranty beginning at final acceptance of project, to include screen replacement.

Personal Laptop Computer Manufacturer: IBM, Compaq, Gateway, Texas Instruments, or Toshiba.
32 MB RAM (minimum)
233 MHZ or Faster Clock Speed Pentium Microprocessor.
PnP compliant motherboard.
4.0 GB or larger EIDE Hard Drive.

Hard drive backup system:
Magnetic/Optical Rewritable Drive, minimum of 1 GB capacity. IOMEGA JAZ Drive, include 1 disk. POT may use the same backup device as the operator workstation. Provide all necessary interface cards and backup utility software program.
(1) 3-1/2" Diskette Drive.
(1) CD ROM Drive, 8x speed.
(1) Serial & (1) Parallel Ports, ESP/EPP compliant
Keyboard with 83 Keys (minimum).
Integral 2 button Track Point or Track Ball.
10" SVGA 800 x 600 resolution active matrix display with 64K colors.
Two PCMCIA Type II slots usable as One Type III card slot.
28.8K PCMCIA Modem.
PCMCIA or Parallel Port or Serial Port Network Adapter.
MSDOS Version 6.22 or later.
Windows for Workgroups 3.11, Or Windows 95 Or Windows NT Workstation, Or IBM OS/2 Warp 3.0.
Memory management software providing a minimum of 600K available base memory and EMS and XMS management services.
Complete operator workstation software package including any hardware or software 'Keys'.
Include original printed manuals for all software and peripherals.
Include original installation disks for all software, device drivers and peripherals. Disk images supplied on the hard disk or disks copied by the Contractor shall not be acceptable.
Provide software registration cards to the Commissioner for all included software.
Carrying Case.
Spare battery.
LapLink V file coordination software, or equivalent.
External power supply / battery charger.
Three Year On-Site Unlimited Warranty beginning at final acceptance of project, to include screen replacement.

B. Software

1. Portable operator terminals shall support all controllers within the system on a direct connect communications basis.
2. The portable operator terminal when used to access First or Second Tier controllers shall utilize the standard operator workstation software as previously defined.

PART 3 - EXECUTION

3.1 BACnet:

A. The BAS shall utilize ASHRAE/ANSI 135- 20162004 BACnet open communications standard as the communications protocol between all first tier devices, and as a minimum, support Conformance Class 3. First tier devices are defined as operator workstations and BACnet gateways. The operator workstation software shall be BACnet compliant. The second tier network within each mechanical room or area may be either ASHRAE/ANSI 135- 20162004 BACnet using MS/TP, Conformance Class 3 minimum, or the BAS manufacturer’s proprietary controller network. Provide BACnet routers or gateways as necessary.

B. The Contractor shall demonstrate conformance to the BACnet standard by participating in an on-site test of BACnet communications as directed by the Commissioner. To test BACnet compliance, the Commissioner will attach a BACnet Conformance Class 3 device made by another building automation system manufacturer on the installed first tier network and communicate with the Contractor's system using the BACnet protocol. Contractor shall cooperate fully in this testing and provide all software programming and technical support as may be required at no additional cost to the City to demonstrate a fully operational BACnet compliant system. Any modifications to the BAS and subsequent additional testing necessary to demonstrate conformance shall be provided by the Contractor at no additional cost to the City.

3.2 BAS PERFORMANCE:

A. The combined BAS network shall provide high-speed data transfer rates for alarm reporting, quick report generation from multiple controllers and upload/download efficiency between network devices.

B. System performance shall insure that an alarm occurring at any digital controller is displayed at the operator workstation(s) within 5 seconds or less.

1. In addition, system performance shall insure that any individual color graphic display is drawn and bound with all current real time point data at the operator workstation(s) within 10 seconds of operator command.

3.3 INTERFACE TO FIRE ALARM SYSTEM:

A. If fire alarm system work is part of this project, this work shall be an expansion of the existing Airport Supervisory Monitoring System (SMS). The Contractor is to interface new fire alarm systems with the existing SMS. The Contractor is to furnish and install conduit and wiring required to make connections to existing local Fire Alarm Control Panels (FACP). The terminations (final connections), programming, and activation of the fire alarm systems that are part of this project are to be done by others.

B. This project shall require hardwired interface connections to existing local fire alarm control panel for alarm indications of all duct smoke detectors. Duct smoke detector alarm indication shall generate an alarm on the existing Airport SMS operator workstation. Smoke detector alarm indication shall initiate fan shut down. (Refer to sequences of operation.)

C. Fire alarm system addressable relays, for fan shut down of supply fans only, shall be installed within ten feet of each supply fan motor starter. BAS system shall include wiring from relay contacts to motor starter control circuit. All references made in the sequences of operations to hardwire interlock the shut down of a supply fan from a supply air duct smoke detector shall be accomplished through the fire alarm addressable relay.

D. All duct smoke detectors shall be furnished and installed by the Contractor. Duct smoke detectors shall be addressable type. Each detector shall provide one alarm and one trouble alarm contact to the fire alarm system addressable alarm input sensor module. Power wiring for each smoke detector, a remote alarm/reset station for each duct detector, and wiring from the detector to the remote alarm/reset station shall be part of the BAS system. The remote alarm/reset station shall be located inside local control panel for associated air handling unit.

3.4 BAS RISER DIAGRAM:

A. Provide a BAS Riser Diagram incorporating the following requirements.

1. One control panel shall serve not more than three air handling units / rooftop units.
2. The complete BAS shall utilize one controller programming language. The software programming language used in all controllers shall be identical.
3. Loss of network communications shall not affect standalone control of any system controllers. No software control loop logic shall reside in other system controllers.
4. For the variable air volume air handling units of this project, remote mounted duct static pressure sensors shall be wired directly to the system controller associated with the air handling unit. Duct pressure sensors shall be located 2/3 distance downstream of the supply fan.
5. All system controllers shall be provided with integral or externally mounted manual override switches or jumpers for all analog and binary output points. It shall be possible to use these manual overrides to start equipment and position valves and dampers to their fullfully open or closed positions to provide service while the digital controller is nonfunctional.
6. The architecture of the BAS may utilize either of the two following options.
    a. Native BACnet Controllers: Native BACnet controllers used for air handling and other primary mechanical equipment shall have BACnet Class 3 performance capability as a minimum.
    b. Proprietary Controllers: Proprietary controllers may be used with BACnet gateways for air handling and other primary mechanical equipment.

3.5 INSTALLATION PRACTICES:

A. Local Control Panels

1. Identify all panel locations in the submittals for review prior to installation.
2. Unitized cabinet type for each system under automatic control with relays and controls mounted in cabinet and temperature indicators, pressure gages, pilot lights, push buttons and switches flush on cabinet panel face.
3. Each control panel shall have a network hub that allows an operator with approved security codes a direct communication link to the Primary LAN through the use of a portable computer. This connection will be available at speed of no less than 10 megabaud.
4. Provide a primary means of service disconnect at each panel. Service disconnect shall be made vandal proof by means of a keyed disconnect. Keyed disconnects shall be the same for all panels. Turn over to the Commissioner 10 keys upon project close-out.
5. A utility outlet shall be provided at each control panel. Outlet shall be marked as “Temperature Control Use Only”.
6. Each control panel shall have aan LCD display that allows the operator to view system data without the use of a portable or other network device. All data associated within the control panel shall be viewable at the device. Should the operator wish to modify a set-point, the operator shall be able to do so through the LCD display without alternative communication equipment with the use of an approved security clearance at the device.
7. NEMA 250, general purpose utility enclosures with enameled finished face panel shall be provided.
8. Where panels are not wall mounted, provide floor stand made of "Unistrut" securely braced, anchored, and free from vibration.
9. Instruments shall be identified with plastic laminates with edge block lettering.

B. Control System Wiring Piping Installation

1. All wiring shall comply with the requirements of applicable portions of Division 16, Electrical Work and all local and national electric codes.
2. All wiring shall be in blue conduit. Minimum control wiring conduit size shall be ½”.
3. Provide support by mechanically attaching wiring, tubing or enclosing conduit, troughs, trays or raceway to supporting surfaces of building structure only. Support from ceiling support

wires, lighting fixtures, electrical conduit, ductwork, duct hangers, plumbing piping, etc. shall be prohibited. Wiring, tubing and/or conduit may be racked with other utilities on suitable pipe racks. Sleeve through concrete surfaces in minimum one inch sleeves, extended six inches above floors and one inch below bottom surface of slabs. Protective bushings shall be used to protect wiring from damage during pulling.

4. Low voltage and Class 2 wiring shall conform to the following:
   a. All Class 2 wiring shall be installed in blue conduit.
   b. Low voltage control wiring shall be run in separate conduit from power wiring, including 24VAC control power wiring over 100 VA. Shields shall be terminated only at the control panel end. For wiring running between control panels, terminate shield only at one end.
   c. Splicing of low voltage control wiring and network communications wiring shall be avoided where possible. Should splicing be required it shall be accomplished by providing a junction box with a screw type terminal strip. Label the junction box on the wiring diagrams and attach a detail showing the splice terminal block. Use of wire nuts, crimp type butt splices, etc. are prohibited.

5. Control wiring shall comply to the minimum wire sizes, as follows.
   a. All system input wiring shall be twisted shielded pair, minimum 18 gage wire. This requirement includes terminal unit space temperature sensor wiring.
   b. All system analog output wiring shall be twisted shielded pair, minimum 18 gage wire.
   c. All internal panel device wiring for binary outputs and pilot relays shall be minimum 16 gage wire.
   d. All binary output field wiring shall conform to local and national electrical codes.
   e. Network communications wiring shall be as specified by system manufacturer and installed per local and national electrical codes.

C. Identification Standards

1. Controller Identification: All controllers shall be identified by a plastic engraved nameplate securely fastened to the outside of the controller enclosure. Nameplate shall include the identification of the systems served by the controller and the controller's ID as shown on the control drawings.
2. Panel Identification: All local control panels shall be identified by a plastic engraved nameplate securely fastened to the outside of the controller enclosure. Nameplate shall include the identification of the system(s) served by the controller and the panel's ID as shown on the control drawings.
3. Field Devices: All field devices shall be identified by a typed (not hand writtenhandwritten) label securely attached tag label. Tag shall be secured to the device through a reinforced label opening by a wire tie. The label shall include the identification of the I/O point name and device ID as shown on the associated control drawings. Label shall be concealed for devices mounted in the finished space.
4. Panel Devices. All panel devices shall be identified by a typed (not hand writtenhandwritten) label securely fastened to the backplane of the local control panel. Label shall include the identification of the I/O point name and device ID as shown on the associated control drawings.
5. Fuse Block Assemblies: Fuse block assemblies shall be identified by a typed (not hand writtenhandwritten) label securely fastened to the backplane of the local control panel. Label shall include the identification of the power supply or transformer device ID as shown on the associated control drawings and the electrical panel and circuit providing power to the fuse block.
6. Raceway Identification: Identification labels stating "Control System Wiring" shall be affixed to the covers of all junction and pull boxes of the control system raceways. Labels shall be typed, not hand writtenhandwritten.

7. Wire/Tube Identification: All low and line voltage control wiring and air tubing shall be identified by number, as referenced to the associated control diagram, at each end of the conductor, cable or tube. Identification number shall be permanently secured to the conductor, cable or tube and shall be typed, not hand writtenhandwritten.

3.6 INSTRUCTION:

A. Training Qualifications

1. Training instructor shall be under the direct employment of the BAS manufacturer as a designated instructor.
2. The instructor may, if acceptable to the Commissioner, be an employee of the Contractor.
3. The instructor must have substantial experience with control system products as installed in the facility and shall be specifically trained and certified by the control system manufacturer to conduct system training.

B. Training Materials

1. Provide a course outline for each training course.
2. Provide training materials and workbooks.
3. Video tape each training session.

C. Pre-Startup Operator Training

1. Prior to the initial system startup, provide three (3) 4-hour pre-startup operator training sessions. Training shall include an introduction to the BAS hardware, basics of system operation, and sequences of operations.

D. Operator Training

1. Upon completion of the work, provide fifteen (15) 4-hour operator training sessions for the building operating personnel.

E. Supplemental Operator Training

1. At the beginning of the following heating or cooling season, provide three (3) 4-hour supplemental operator training sessions for the building operating personnel.

F. Reserve Programming.

1. Contractor shall include 160 hours of additional programming to be used as directed by the Commissioner.

G. Other Training Requirements

1. Refer to the “Programming Environment” paragraphs of the “DDC Software” Article of this Section. For graphically programmed systems or systems with languages not based on a PC standard programming language, include a minimum of 16 hours of additional programming training for instructing the building operators on the use of, and the interpretation of, the system software.
2. Refer to the “Alarms” paragraphs of the “DDC Software” Article of this Section. After configuring the initial alarms, the Contractor shall train the building operators on the use and configuration of the alarm system.

3.7 ACCEPTANCE PROCEDURE:

A. If required, the Contractor shall arrange for a joint commissioning procedure. Employees of the Contractor who worked for the Contractor on earlier parts of the project, may be required to assist in the commissioning process. However, the Contractor shall be responsible for the commissioning procedure.

B. An acceptance check list shall be completed by the Commissioner, documenting compliance with each item of this specification. Contractor shall provide technical assistance in the field during compliance verification.

C. Operator workstation color graphic displays shall be substantially complete and operational at least one month prior to occupancy or final acceptance of the project, whichever occurs first. Should the Contractor fail to deliver these displays, then the Contractor shall owe the Commissioner a day of on-site technical support for each day of delay.

D. Testing Procedure: Upon completion of the installation, Contractor shall start-up the system and perform all necessary testing and run diagnostic tests to ensure proper operation. Contractor shall be responsible for generating all software and entering all database information necessary to perform the sequences of control herein specified. An acceptance test in the presence of the Commissioner shall be performed prior to final acceptance of the project.

E. Testing Documentation: Prior to acceptance testing, Contractor shall create, on an individual system basis, trend logs of input and output points. Logs shall sample values at least once per hour for a minimum of one week. Logs shall be submitted to Commissioner for review prior to acceptance testing. Acceptance testing shall be scheduled with the Commissioner.

F. P.I.D. Loop tuning shall be documented by providing a trend log of 120 entries at one minute intervals for control input, setpoint and control output. Loop output cycling under a steady load condition shall be less than +/-5% on average. Provide positive and negative “Bump” tests demonstrating loop stability by raising/lowering loop setpoint for fifteen minutes.

G. Field Points Testing

1. This step shall verify that all of the installed points receive or transmit the correct information, prior to loading/activating the system software.
2. ON/OFF commands from the workstation shall be performed in order to verify each binary output point.
3. All binary input points are to be tested using the HAND/OFF selector switch on the associated motor control center or by manually jumpering across the field device contacts.
4. All analog output points shall be tested using a command from the workstation to modulate the output device from minimum calibrated signal to maximum calibrated output in 25% output steps and the corresponding output result recorded.
5. All analog input points are to be tested by comparing the reading obtained through the workstation or portable terminal to the value of an independent testing meter. Test meter shall provide a greater accuracy than the device being tested. Total error shall not exceed the specified device error plus the testing device rated maximum error. Calibrate field devices as required to achieve the specified accuracy. Provide a technical information submittal on each test instrument used. Test instruments shall be products manufactured for the sole purpose of field accuracy testing.
6. Provide a calibration report for each air flow monitoring station.

H. The Contractor shall remove and replace, at their expense, all items which are not in compliance with the Contract Documents requirements.

I. Sequence Revisions: Provide additional software programming to be used at the request of the Commissioner.

END OF SECTION 13850

14. Pressure Fill System:
    a. Armstrong.Bornquist (Wessels)
    b. Bell and Gossett Fluidair
    c. Taco Sterling
15. Bladder-Type Expansion Tanks:
    a. Amtrol
    b. Armstrong.
    c. Bell and Gossett.
    d. Taco.
    e. Wessels
16. Tangential-Type Air Separator:
    a. Armstrong.
    b. Bell and Gossett.
    c. Taco.
    d. Spirotherm.
17. Y-Pattern Strainers:
    a. Mueller Steam Specialties.
    b. Piping Specialties Inc.
    c. Spencer.
    d. Nibco.
18. Basket Strainers:
    a. Mueller Steam Specialties.
    b. Piping Specialties Inc.
    c. Spencer.
19. Stainless Steel Bellow, Flexible Connectors:
    a. Mason.
    b. Metraflex
    c. Hyspan
20. Double Spherical, Rubber Flexible Connectors with control rods:
    a. Mason.
    b. Metraflex
    c. Flexicraft
21. Combination Hydronic Units:
    a. Flow Design Inc.
    b. Griswold Controls.
    c. Nexus
    d. Bell and Gossett
    e. Armstrong
    f. TA
    g. Taco

2.2 COPPER TUBE AND FITTINGS

A. Drawn-Temper Copper Tubing: ASTM B 88, Type L.

B. Annealed-Temper Copper Tubing: ASTM B 88, Type K (below ground installations).

C. Wrought-Copper Fittings: ASME B16.22.

D. Copper or Bronze Pressure-Seal Fittings:

as scheduled. The unit shall consist of a base, 55 gallon tank (steel or polyethylene) with removable lid, fill vent opening, observable fluid level indicator scale (gallons), Y-strainers, isolation valves, triple combination shut off – Non slam check – calibrated balance valves, open drip proof motor, pump, expansion tank, motor contactor, pressure controls, interconnecting piping, low level safety shut down, remote alarm contacts, indicator light, fill valve (automatic for water systems, manual for glycol systems), discharge pressure gauge, discharge line pressure reducing valve, isolation valves, pressure gauge and single point power connection.

C. Propylene Glycol: Industrial grade with corrosion inhibitors and environmental-stabilizer additives for mixing with water in systems indicated to contain antifreeze or glycol solutions.

2.9 HYDRONIC PIPING SPECIALTIES

A. Y-Pattern Strainers:

1. Body: ASTM A 126, Class B, cast iron with bolted cover and bottom drain connection.
2. End Connections: Threaded ends for NPS 2 and smaller; flanged ends for NPS 2-1/2 and larger.
3. Strainer Screen: 40-mesh startup strainer, and perforated stainless-steel basket with 50 percent free area.
4. Blow off ball valve with hose end and cap.
5. CWP Rating: 125 psig.
6. Integral pressure and temperature taps upstream and downstream (strainer sizes 2-1/2 inch and larger).

B. Basket Strainers:

1. Body: ASTM A 126, Class B, high-tensile cast iron with quick opening spring assist hinged cover, bottom drain connection and support legs.
2. End Connections: flanged ends.
3. Strainer Screen: 40-mesh startup strainer, and perforated stainless-steel basket with 50 percent free area. Provide second spare strainer and stainless-steel basket.
4. CWP Rating: 125 psig.
5. Integral pressure and temperature taps upstream and downstream.

C. Stainless-Steel Bellow, Flexible Connectors (Coil Connections):

1. Body: Stainless-steel bellows with woven, flexible, bronze, wire-reinforcing protective jacket.
2. End Connections: Threaded or flanged to match equipment connected.
3. Performance: Capable of 3/4-inch misalignment.
4. CWP Rating: 150 psig.
5. Maximum Operating Temperature: 250 deg F.

D. Double Spherical, Rubber, Flexible Connectors with control rods (Pump Connections):

1. Body: Fiber-reinforced rubber body.
2. End Connections: Steel flanges drilled to align with Classes 150 and 300 steel flanges.
3. Performance: Capable of misalignment.
4. CWP Rating: 150 psig.
5. Maximum Operating Temperature: 250 deg F.

E. Combination Hydronic Units:

1. Hydronic units which combine multiple component functions into one (isolation valve, y-strainer, calibrated balance valve, air vent, union and P&T taps) may be used to minimize space and labor provided all functionality of the combined unit is equal to the individual

3.10 PAINTING

A. Paint all outdoor uninsulated condenser water piping. See division 9 for rust inhibiting paint type (minimum 2 coats) and additional requirements.

3.11 FIELD QUALITY CONTROL

A. Prepare hydronic piping according to ASME B31.9 and as follows:

1. Leave joints, including welds, uninsulated and exposed for examination during test.
2. Provide temporary restraints for expansion joints that cannot sustain reactions due to test pressure. If temporary restraints are impractical, isolate expansion joints from testing.
3. Clean hydronic systems per 15189.
4. Flush hydronic piping systems with clean water; then remove and clean or replace strainer screens.
5. Isolate equipment from piping. If a valve is used to isolate equipment, its closure shall be capable of sealing against test pressure without damage to valve. Install blinds in flanged joints to isolate equipment.
6. Install safety valve, set at a pressure no more than one-third higher than test pressure, to protect against damage by expanding liquid or other source of overpressure during test.

B. Perform the following tests on hydronic piping:

1. Use ambient temperature water as a testing medium unless there is risk of damage due to freezing. Another liquid that is safe for workers and compatible with piping may be used (compressed air may not be used).
2. While filling system, use vents installed at high points of system to release air. Use drains installed at low points for complete draining of test liquid.
3. Isolate expansion tanks and determine that hydronic system is full of water.
4. Subject piping system to hydrostatic test pressure that is not less than 1.5 times the system's working pressure. Test pressure shall not exceed maximum pressure for any vessel, pump, valve, or other component in system under test. Verify that stress due to pressure at bottom of vertical runs does not exceed 90 percent of specified minimum yield strength or 1.7 times "SE" value in Appendix A in ASME B31.9, "Building Services Piping."
5. After hydrostatic test pressure has been applied for at least 10 minutes, examine piping, joints, and connections for leakage. Eliminate leaks by tightening, repairing, or replacing components, and repeat hydrostatic test until there are no leaks.
6. Prepare written report of testing.

C. Perform the following before operating the system:

1. Open manual valves fully.
2. Inspect pumps for proper rotation.
3. Set makeup pressure-reducing valves for required system pressure.
4. Inspect air vents at high points of system and determine if all are installed and operating freely (automatic type), or bleed air completely (manual type).
5. Set temperature controls so all coils are calling for full flow.
6. Inspect and set operating temperatures of hydronic equipment, such as boilers to specified values.
7. Verify lubrication of motors and bearings.

END OF SECTION 15181

1.6 DELIVERY, STORAGE, AND HANDLING

A. Manufacturer's Preparation for Shipping: Clean flanges and exposed machined metal surfaces and treat with anticorrosion compound after assembly and testing. Protect flanges, pipe openings, and nozzles with wooden flange covers or with screwed-in plugs.

B. Store pumps in dry location.

C. Retain protective covers for flanges and protective coatings during storage.

D. Protect bearings and couplings against damage from sand, grit, and other foreign matter.

E. Comply with pump manufacturer's written rigging instructions.

1.7 COORDINATION

A. Coordinate size and location of concrete bases. Cast anchor-bolt inserts into bases. Concrete, reinforcement, and formwork requirements are specified in Division 3.

1.8 EXTRA MATERIALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Mechanical Seals: One mechanical seal(s) for each pump.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.

2.2 CLOSE-COUPLED, IN-LINE CENTRIFUGAL PUMPS

A. Manufacturers:

1. Armstrong Pumps Inc.
2. Aurora Pump; Division of Pentair Pump Group.
3. Bell & Gossett; Div. of ITT Industries.
4. Taco, Inc.
5. Weil

B. Description: Factory-assembled and -tested, centrifugal, overhung-impeller, close-coupled, in-line pump as defined in HI 1.1-1.2 and HI 1.3; designed for installation with pump and motor shafts mounted horizontally or vertically. Rate pump for 175-psig minimum working pressure and a continuous water temperature of 225 deg F.

C. Pump Construction:

1. Casing: Radially split, cast iron, with threaded gage tappings at inlet and outlet, and companion-flange connections.
2. Impeller: ASTM B 584, cast bronze; statically and dynamically balanced, keyed to shaft, and secured with a locking cap screw. Trim impeller to match specified performance.
3. Pump Shaft: Steel, with copper-alloy shaft sleeve or Stainless steel.
4. Mechanical Seal: Carbon rotating ring against a ceramic seat held by a stainless-steel spring, and Buna-N (< 225deg F operating conditions) / EPT (=> 225 deg F) bellows and gasket. Include water slinger on shaft between motor and seal.
5. Pump Bearings: Permanently lubricated ball bearings (< 5HP) / Oil lubricated; bronze-journal or thrust type (=> 5HP).

D. Motor: Single speed, with permanently lubricated (< 5HP) / grease-lubricated (=>5HP) ball bearings, unless otherwise indicated; and rigidly mounted to pump casing. Provide ECM motor or integral variable frequency drive. Provide BACnet protocol interface.

2.3 PUMP SPECIALTY FITTINGS

A. Suction Diffuser: Angle pattern, 175-psig pressure rating, cast or ductile-iron body and end cap, pump-inlet fitting; with bronze startup and bronze or stainless-steel permanent strainers; bronze or stainless-steel straightening vanes; drain plug; and factory-fabricated support.

B. Triple-Duty Valve: Angle or straight pattern, 175-psig pressure rating, cast or ductile-iron body, pump-discharge fitting; with drain plug and bronze-fitted shutoff, balancing, and check valve features. Brass gage ports with integral check valve, and orifice for flow measurement.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine equipment foundations and anchor-bolt locations for compliance with requirements for installation tolerances and other conditions affecting performance of work.

B. Examine roughing-in for piping systems to verify actual locations of piping connections before pump installation.

C. Examine foundations and inertia bases for suitable conditions where pumps are to be installed.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 CONCRETE BASES

A. Base Mounted Pumps: Install concrete bases of 6” tall and 6” larger in all dimensions of pump including inertia base and springs..

1. Install dowel rods to connect concrete base to concrete floor. Unless otherwise indicated, install dowel rods on 18-inch centers around full perimeter of base.
2. For supported equipment, install epoxy-coated anchor bolts that extend through concrete base and anchor into structural concrete floor.
3. Place and secure anchorage devices. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.
4. Install anchor bolts to elevations required for proper attachment to supported equipment.

B. Cast-in-place concrete materials and placement requirements are specified in Division 3.

3.2 PUMP INSTALLATION

A. Comply with HI 1.4.

B. Install pumps with access for periodic maintenance including removal of motors, impellers, couplings, and accessories.

C. Independently support pumps and piping so weight of piping is not supported by pumps and weight of pumps is not supported by piping.

D. Install continuous-thread hanger rods and spring hangers of sufficient size to support pump weight. Fabricate brackets or supports as required.

E. Suspend vertically mounted, in-line centrifugal pumps independent of piping. Install pumps with motor and pump shafts vertical. Use continuous-thread hanger rods and spring hangers of sufficient size to support pump weight.

F. Set base-mounted pumps with inertia pad and spring isolators on concrete base. Disconnect coupling before setting. Do not reconnect couplings until alignment procedure is complete.

1. Adjust metal supports or wedges until pump and driver shafts are level. Check coupling faces and suction and discharge flanges of pump to verify that they are level and plumb.

G. Automatic Condensate Pump Units: Install units for collecting condensate and extend to open drain.

3.3 ALIGNMENT

A. Align pump and motor shafts and piping connections after setting on foundation, grout has been set and foundation bolts have been tightened, and piping connections have been made.

B. Comply with pump and coupling manufacturers' written instructions.

C. Adjust pump and motor shafts for angular and offset alignment by methods specified in HI 1.1-1.5, "Centrifugal Pumps for Nomenclature, Definitions, Application and Operation."

D. After alignment is correct, tighten foundation bolts evenly but not too firmly. Completely fill baseplate with nonshrink, nonmetallic grout while metal blocks and shims or wedges are in place. After grout has cured, fully tighten foundation bolts.

3.4 CONNECTIONS

A. Piping installation requirements are specified in other Division 15 Sections. Drawings indicate general arrangement of piping, fittings, and specialties.

B. Install piping adjacent to machine to allow service and maintenance.

C. Connect piping to pumps. Install valves that are same size as piping connected to pumps.

D. Install suction and discharge pipe sizes equal to or greater than diameter of pump nozzles.

E. Install pump trim as indicated on drawing details.

SECTION 15732 - PACKAGED OUTDOOR AIR-HANDLING UNITS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes packaged, outdoor, central-station air-handling units (100% OA rooftop units) with the following components and accessories:

1. Direct-expansion cooling coil
2. Compressors and condenser fans
3. Energy recovery wheels.
4. Air Airflow Measuring Stations
5. Hot gas reheat section.
6. Modulating indirect gas fired heat exchanger
7. Integral controls interfaced to the building automation system.
8. Vibration roof curb
9. Smoke detectors

B. Related Sections include the following:

1. All of Division 15 and 16 Sections

1.3 DEFINITIONS

A. DDC: Direct-digital controls.

B. Condenser Coil: Refrigerant coil in the outdoor-air stream to reject heat during cooling operations and to absorb heat during heating operations. "Outdoor air" is defined as the air outside the building or taken from outdoors and not previously circulated through the system.

C. Condenser Fan: The outdoor-air refrigerant-coil fan in AHUs. "Outdoor air" is defined as the air outside the building or taken from outdoors and not previously circulated through the system.

D. AHU: Air handling unit. As used in this Section, this abbreviation means packaged, outdoor, compressor-based air-handling unit with DX cooling and gas heating. This abbreviation is used regardless of whether the unit is mounted on the roof or on a concrete base on ground.

E. DOA: Dedicated outside air (100% outside air)

F. RTU: Rooftop air handling unit. As used in this Section, this abbreviation means the same as AHU.

G. Supply Air Fan: The fan providing supply air to conditioned space. "Supply air" is defined as the air entering a space from air-conditioning, heating, or ventilating apparatus.

H. DX Cooling Coil: Refrigerant coil in the supply-air stream to absorb heat (provide cooling) during cooling operations. "Supply air" is defined as the air entering a space from air-conditioning, heating, or ventilating apparatus.

1.4 SUBMITTALS

A. Product Data: Include manufacturer's technical data for each AHU, including rated capacities, dimensions, required clearances, characteristics, furnished specialties, and accessories, including the following:

1. Certified fan performance curves with system operating conditions indicated.
2. Air static pressure drop across all internal components (internal pressure drop per air stream), external pressure drops, total pressure drops.
3. Certified discharge, inlet and radiated sound power ratings.
4. Certified DX cooling coil, compressors, hot gas reheat and gas furnace performance ratings (ARI conditions and scheduled including unloading) with system.
5. Refrigerant type, number of circuits and pounds of refrigerant per circuit.
6. Motor ratings and electrical characteristics plus motor and fan accessories including total unit MCA sand MOCP.
7. Materials gauges and finishes.
8. Certified heat wheel performance data.
9. Filter performance data.
10. Damper performance data, and descriptions of housings, linkages, and operators.
11. Accessories

B. Controls Data:

1. Provide cut sheets for all field installed control devices.
2. Provide detailed control wiring diagram for all field installed control devices.
3. Provide narrative description of unit sequence of operation specific to the application for which it is intended. A generic sequence of operation describing all possible modes of operation the unit is capable of is not acceptable.
4. Provide full list of unit BACnet points available to the BAS through the protocol interface.

C. Shop Drawings: Detail equipment assemblies and indicate dimensions, weights, loads, required installation and service clearances, method of field assembly, components, and location and size of each field connection.

1. Wiring Diagrams: Power, signal, and control wiring, (differentiating between manufacturer-installed wiring and field-installed wiring).
2. LEED Credit Applicability:
   a. Product Data for Credit EA 4: For refrigerants, including printed statement that refrigerants are free of HCFCs.

D. Coordination Drawings: Plans and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Structural members to which AHUs will be attached.
2. Roof openings
3. Roof curbs and flashing.

1.5 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data/Manuals.

B. Quality Control Test Reports specified in Part 3 of this Section.

1.6 QUALITY ASSURANCE

A. ARI Compliance:

1. Comply with ARI 340/360 for testing and rating energy efficiencies for AHUs.
2. Comply with ARI 270 for testing and rating sound performance for AHUs.

B. ASHRAE/IECC Compliance:

1. Comply with ASHRAE 15.
2. Comply with ASHRAE 33.
3. Comply with ASHRAE/IESNA 90.1-2016.
4. Comply with IECC 2018.

C. NFPA Compliance: Comply with NFPA 90A and NFPA 90B.

D. UL Compliance: Comply with UL 1995.

E. Electrical Components, Devices, and Accessories: Electrical components, devices, and accessories listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

F. Motors: Motors shall conform to the latest applicable requirements of NEMA, IEEE, ANSI, and NEC standards.

G. Dampers: Damper leakage rate shall be tested and certified in accordance with the Air Movement and Controls Association (AMCA) standard 500.

H. Delegated-Design Submittal: For AHU supports/building structural modifications, including analysis data and structural design signed and sealed by the qualified professional engineer responsible for their preparation.

1. Design Calculations: Calculate requirements for structural support of the new roof top units on the existing building structure.
2. Detail mounting, securing, and flashing of roof curb to roof structure. Indicate coordinating requirements with roof membrane system.

1.7 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Fan / Wheel Belts: One set for each belt-driven fan / wheel.
2. Filters: One set of filters for each unit.

1.8 DELIVERY, STORAGE AND HANDLING

A. As required / recommended by the manufacturer.

B. Disassemble units as required for movement to the site location. Reassemble major units under direction of manufacturer's representative.

C. Lift and support unit with the manufacturer's designated lifting or supporting points.

1.9 SEQUENCING AND SCHEDULING

A. Coordinate the size and location of structural steel support members.

B. Coordinate the size and location of roof curbs.

1.10 WARRANTY

A. General Warranty: The entire unit (including parts, labor and refrigerant charge) shall be warranted by the manufacturer against defects in materials and workmanship, and for all parameters of the unit operation and performance, to include all components for a period of one year after substantial completion.

B. Special Warranties: In addition to the general warranty, the following extended warranty periods shall apply:

1. Warranty Period for Compressors: Manufacturer's standard, but not less than 5 years from date of Substantial Completion.
2. Warranty Period for Gas Furnace Heat Exchangers / Energy Wheels: Manufacturer's standard, but not less than 10 years from date of Substantial Completion.
3. Warranty Period for Solid-State Ignition Modules: Manufacturer's standard, but not less than three years from date of Substantial Completion.
4. Warranty Period for Control Boards: Manufacturer's standard, but not less than three years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with all project requirements, provide products by one of the following:

1. Daikin
2. Carrier
3. Trane
4. York

2.2 PACKAGED FACTORY ASSEMBLED UNITS

A. General:

1. Provide and install packaged rooftop air handling unit(s) including fans, compressors, coils, energy wheels, piping, furnaces, dampers, electrical and DDC controls. Each system shall be factory assembled, piped, internally wired, and fully charged with refrigerant and ready to operate. The variable airflow system shall heat, cool, dehumidify and recover heat as specified or scheduled on the plans. The unit shall be constructed for outdoor installation and configured as shown on the plans.
2. Factory packaged applied rooftop air conditioning system shall be the size indicated and shall contain the components indicated on drawings and described herein. Performance characteristics of all components are the minimum that will be acceptable.
3. Units must be shipped in single piece or major assembled sections to facilitate ease of rigging and installation. Rigging and joining of sections shall be done at the job site. Field built units and their components will not be accepted. All units shall be inspected and tested at the manufacturer's plant before shipment is made to the jobsite.

B. Motor and Electrical Components: Refer to Division 15 sections.

C. Capacity, size, static pressure, coils, filters, accessories, limiting velocities, arrangement, etc., as shown on Drawings and referred to in appropriate Division 15 Sections.

2.3 CASING

A. The frame and unit base shall be made of manufacturer’s standard gauge painted G90 galvanized steel with pitched roof panels and knockouts with grommet seals for electrical and piping connections and lifting lugs. The unit shall be provided with an integral structural base that extends the full length of the unit to facilitate curb or post and rail mounting. The unit base channel shall be equipped with lifting lugs for rigging.

B. Exterior surfaces shall be phosphatized and coated with baked-on enamel. Finished surface shall withstand a minimum 1000-hour salt spray test in accordance with ASTM B117 standard for salt spray resistance. All sections of the unit shall be provided with full sized, double wall, hinged access doors, constructed of galvanized steel. Access doors shall utilize flush mounted single action lever, staggered engagement latching mechanism, which provides easy access to each cabinet section. Access doors shall be provided on both sides of the unit. Each door shall be equipped with a steel retainer rod to hold the door fully open. All access doors shall open against pressure.

C. Unit shall be completely 2 inch double wall insulated with foam insulation (including base) with an R-value of 813.0 (minimum) secured to all panels with adhesive. All interior surfaces of the unit shall include solid galvanized liners to form a double wall panel construction.

D. Airstream Surfaces: Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1.

2.4 FANS

A. Supply/Return/Exhaust Fan:

1. Provide direct drive fans.
2. Fans shall be non-overloading, backward inclined or plenum type as required to meet the airflow, static pressure and sound requirements. Class II minimum. All fans shall be statically and dynamically balanced for quiet operation. Fan bearings shall be L50 / 200,000 hour.

3. Fan motors shall be heavy-duty, 1800 RPM, open drip-proof type with relubricative ball bearings. The entire fan assembly shall be completely isolated from the unit bulkhead with neoprene gasketing and mounted on spring isolators with thrust restraints.

B. Condenser fans shall be propeller type, mounted on shaft of permanently lubricated motor. Fans to be variable speed or staged as required to meet code energy full load and part load efficiency, minimum capacity control and sound requirements.

C. Fan Motor: VFD duty. Comply with additional requirements in Division 15.

2.5 REFRIGERANT COILS

A. Evaporator coils shall be multi-row interlaced circuiting and fabricated from seamless copper tubing mechanically bonded to rippled and corrugated aluminum fins. Evaporator coils shall have rows & fins as scheduled. Casing shall be stainless steel.

B. Coils shall be factory leak tested at 315 PSIG under water. Each evaporator coil circuit shall be fed with an adjustable thermal expansion valve with an external equalizer.

C. A stainless steel, insulated, positively sloped primary drain pan (Ashrae 62.1 compliant) shall be provided beneath the cooling coil and extend beyond the leaving side of the coil and underneath the cooling coil connections. The drain pan shall be connected to a threaded drain connection extended through the unit base. Units shall be provided with a secondary stainless steel drain (extended under the coil distributor tubes, return bends and refrigeration specialties) connected to the primary drain pan.

2.6 INTAKE AND EXHAUST SECTIONS

A. Air Sections:

1. The outside air section shall include an intake weather hood. The floor of the outside air section shall be sloped to the outside of the unit for water drainage. The outside air dampers shall be sized to handle 100% of the supply air volume. Dampers (spring return) shall be Ultra Seal low leak type with gasketed blade to blade contact and spring side seals. Damper blades shall be hollow core, airfoil type for extra rigidity. Air leakage through the damper section shall be less than two tenths of one percent leakage at 1.5 inches static pressure differential, or 6 CFM/Ft at 4" static pressure differential.
2. The exhaust air section shall include a weather hood. The floor of the exhaust air section shall be sloped to the outside of the unit for water drainage. The exhaust air damper shall be sized to handle 100% of the unit air volume. Dampers (spring return) shall be Ultra Seal low leak type with gasketed blade to blade contact and spring side seals. Damper blades shall be hollow core, airfoil type for extra rigidity. Air leakage through the damper section shall be less than two tenths of one percent leakage at 1.5 inches static pressure differential, or 6 CFM/Ft at 4" static pressure differential.
3. Outside Air Airflow Measuring Stations: Provide airflow station and control of the outside air. The building automation system shall monitor the airflow station CFM and provide a CFM setpoint during non-economizer operation through the BACnet protocol interface.
4. Fans such that the return/exhaust fan tracks the supply fan minus an offset through the AHU controller to maintain a positive space pressure (+0.05” WC adjustable) relative to ambient. See 15940 for additional air flow station and space / ambient pressure transducer / transmitter / pick up port requirements

2.7 VARIABLE AIR VOLUME CONTROL

A. A electronic variable frequency drive or electronically commutated motor (ECM) shall be provided for the supply, return/relief/exhaust air fans and energy wheels. Each shall be factory installed in a designated access section, downstream of the filters and upstream of the cooling coil, in a manner that the drive(s) are directly cooled by the filtered, mixed air stream. Drives, controls and associated access section shall be safely accessible from outside the air handling unit such that the drive/controls can be manually manipulated without shutting down the unit or physically entering the airstream Drives shall meet UL Standard 95-5V The completed unit assembly shall be listed by a recognized safety agency, such as ETL/UL. Drives are to be accessible through a hinged door assembly complete with a single handle latch mechanism. Mounting arrangements that expose drives to high temperature, unfiltered ambient air are not acceptable. The unit manufacturer shall install all power and control wiring. The fan drive outputs shall be independently controlled in order to provide the control needed to maintain building pressure control. The wheel drive outputs shall be independently controlled in order to provide the control needed to maintain the discharge air temperature setpoint under cooling, heating and dehumidification operation. Refer to Division 15 Section 15965 for additional variable speed drive requirements. ECM motors shall have similar monitoring and control features as the variable frequency drive requirements.

2.8 CONDENSING SECTION

A. Compressors shall be high efficiency, heavy-duty, digital scroll compressors with suction and discharge line service valves, crankcase heater and motor overload protection. When no vibration curb is provided, compressors shall be isolated on spring isolators with braided type vibration eliminators in the piping to decrease vibration and noise transmission. Coordinate vibration curb with AHU manufacturer to decrease vibration and noise transmission.

B. Units shall have two independent refrigeration circuits. Each refrigeration circuit shall include a liquid line solenoid valve, low pressure control, liquid moisture indicator/sight-glass, replaceable core filter drier, thermal expansion valve, liquid line shutoff valve with charging port, manual reset high pressure safety switch, high pressure relief valve and pump down switch of its rated capacity.

C. Units shall have multiple compressors. Provide capacity reduction from 100% down to 20% complying with scheduled full load and part load efficiency requirements. When not specifically scheduled, acceptable means of capacity control are variable speed or digital scroll compressors provided they comply with both project energy and sound requirements. Provide sound compressor wraps as required for the entire unit operating at full capacity to meet the more stringent of 55 dba at the lot line (see project site plan and unit locations on drawings) and scheduled sound requirements.

D. The condensing unit section shall be open on the sides and bottom to assure complete access and airflow through the coils. Condenser coils shall be multi-row type fabricated from high efficiency riffled copper tubing mechanically bonded to aluminum fins. Each refrigerant circuit shall include a sub-cooler circuit to provide 15 degrees F of sub liquid sub-cooling. Each condenser shall be factory leak tested under water. Each circuit shall be dehydrated and factory charged with refrigerant and oil.

E. Provide condenser coil guards, constructed of cross wire welded steel, PVC coated. Mount guards to each side of the condensing section to provide protection to the condenser coil.

F. Condenser fans shall be direct drive, propeller type designed for, low tip speed and vertical air discharge. Fan blades shall be constructed of steel and riveted to a steel center hub. Fans shall

be variable speed or staged to maintain head pressure control down to 45F ambient. Fan type / control shall comply with both project energy and sound requirements. Assembled unit sound operating at full capacity shall meet the more stringent of 55 dba at the lot line (see project site plan and unit locations on drawings) and scheduled sound requirements.

G. Condenser fan motors shall be heavy-duty, inherently protected three-phase non-reversing type with permanently lubricated ball bearing and integral rain shield. Electronically commutated motors shall be provided as required to comply with full and part load energy requirements.

H. Hot-Gas Reheat Refrigerant Coil:

1. Aluminum-plate fin and seamless copper tube in steel casing with equalizing-type vertical distributor.

I. An ambient thermostat shall prevent the refrigeration system from operating below 45 degree F.

J. Refrigeration Specialties:

1. Refrigerant Charge: R-410A.
2. Expansion valve with replaceable thermostatic element.
3. Refrigerant filter/dryer.
4. Manual-reset high-pressure safety switch.
5. Automatic-reset low-pressure safety switch.
6. Minimum off-time relay.
7. Automatic-reset compressor motor thermal overload.
8. Brass service valves installed in compressor suction and liquid lines.
9. Hot-gas reheat modulating solenoid valve with a replaceable magnetic coil and variable speed head pressure control.

2.9 GAS HEAT

A. A natural gas fired furnace (80% efficient) shall be installed in the unit heat section. The heat exchanger shall include a type 409 stainless steel cylindrical primary combustion chamber, a type 409 stainless steel header, type 409 stainless steel secondary tubes and type 409 stainless steel turbulators. The heat exchanger shall have a condensate drain and stainless steel drain pan beneath unit. Clean out of the primary heat exchanger and secondary tubes shall be accomplished without removing casing panels or passing soot through the supply air passages. The furnace section shall be positioned downstream of the supply air fan.

B. The furnace will be supplied with a modulating forced draft burner capable of continuous modulation between 10% and 100% of rated capacity, without steps. The burner shall operate efficiently at all firing rates. The burner shall have proven open damper low-high-low pre-purge cycle, and proven low fire start. The combustion air control damper shall be in the closed position during the off cycle to reduce losses. The burner shall be rated for operation and full modulation capability at inlet gas pressures down to 7.0 in. W.C. The shutoff cock and test cock shall be fully ported ball valves. Provide gas regulator (2psig down to 7 to 14” wc as required by equipment).

C. The burner shall be specifically designed to burn natural gas and shall include a microprocessor based flame safeguard control, combustion air proving switch, pre-purge timer and spark ignition. The gas train shall include redundant gas valves, shutoff cock, pilot gas valve, pilot pressure regulator, and pilot cock. The gas train shall be FM or IRI rated.

D. The gas burner shall be controlled by the factory installed main unit control system.

2.10 AIR FILTRATION

A. The filter sections shall be supplied complete with galvanized steel filter racks as an integral part of the unit. Filters shall be accessible from both sides of the unit.

B. Provide 2-inch thick MERV8 pleated filters in the exhaust air stream upstream of the energy wheel mounted in a galvanized steel filter frame.

C. Provide 2-inch thick MERV8 pleated pre-filters in the outside air stream upstream of the energy wheel mounted in a galvanized steel filter frame.

D. Provide 2-inch thick MERV11 pleated final-filters in the outside air stream (100% outside air units) or mixed air stream (units with a portion of recirculated air) downstream of the prefilters either before or after the energy wheel mounted in a galvanized steel filter frame.

E. Provide filter differential pressure gauges across each filter.

F. Provide dirty filter switch / alarm for building automation system interface across each bank of filters.

G. Filters shall comply with Ashrae 52.2.

2.11 ELECTRICAL

A. Each unit shall be wired and tested at the factory before shipment. Wiring shall comply with NEC requirements and shall conform with all applicable UL standards. All electrical components shall be labeled according to the electrical diagram and be UL recognized where applicable. Each unit shall have a 115 volt control circuit transformer, 115 volt receptacle with separate electrical connection and lights within all sections wired to a separate electrical connection and weather proof switch on the exterior of the unit.

B. The supply air and return air fan, energy wheel, lights, compressor and condenser fan motor branch circuits shall be individually fused. Contactors and inherent thermal overload protection. Shall be furnished for each compressor and condenser fan motor. The supply and return air fan motors shall have contactors and external overload protection. The unit shall include a weatherproof main control panel and mounted within a weatherproof construction with a dead front cover over main power circuit control. A single point through the door non-fused disconnect shall be provided for the main power connection and a terminal board shall be provided for low voltage control wiring. Knockouts shall be provided in the he bottom of the main control panels for field wiring entrance. A separate key locked control panel shall house all controls for the condensing section.

C. Phase failure and under voltage protection on three-phase motors shall be provided to prevent damage from single phasing, phase reversal, and low voltage conditions.

2.12 DDC MICROPROCESSOR CONTROLS

A. General - Each unit shall be provided with a factory-installed, programmed and run-tested, stand-alone, microprocessor control system. This system shall consist of temperature and pressure (thermistor and transducer) sensors, printed circuit boards, and a unit-mounted Human Interface Panel. The microprocessor shall be equipped with on-board diagnostics to indicate that all hardware, software, and all interconnected wiring and sensors are in proper

operating condition. The microprocessor's memory shall be non-volatile EEPROM type, thus requiring no battery or capacitive backup to maintain all data during a power loss.

B. Internal Controls – The AHU internal microprocessor controls shall manage the operation of the supply fan, energy wheel, wheel frost control (on/off, wheel starts and stops as frost condition occurs) direct expansion cooling, hot gas reheat coil (dehumidification cycle), return/relief/exhaust fan and the outside air/exhaust air damper modulation. The air handling unit shall be commanded from the building automation system (BAS) through a BACnet protocol interface to operate in occupied or unoccupied mode. The BAS will provide setpoint information to the AHU controller. The AHU will provide alarm and other feedback information to the BAS. See sequence of operation details below for specific information on the operation of the individual AHUs.

C. Protocol Interface – Provide a protocol interface between the air handling units and the BAS. Provide hardwire interface between the BAS and the air handling unit to accomplish the sequence of operation.

D. See drawing equipment schedule notes and temperature control drawings for additional requirements.

E. Anti-Recycle Protection – Anti-recycle protection shall be provided to prevent excessive cycling, and premature wear, of the compressors, contactors and related components.

F. Damper Controls – The AHU shall internally control the OA and EA dampers.

G. Refrigerant Circuit Operation – On internal staged command for cooling, the AHU shall internally control the staging of compressors and/or unloaders to maintain DAT setpoints (heating and cooling: adjustable). Condenser fans shall cycle to maintain proper operating refrigerant pressures.

H. Smoke Detectors Safeties – Provide smoke detector for return ducts. Smoke detectors shall either be factory installed in air handling unit or provided for field installation in return ductwork. Detectors shall be hard wired to shut down the fans and close the outside air and exhaust air dampers. Additional dry contacts shall be provided for the BAS and fire alarm.

2.13 VIBRATION ROOF CURBS

A. Roof curbs with vibration isolators 24” curb height with minimum 2” deflection.

B. Materials: Galvanized steel with corrosion-protection coating, watertight gaskets, and factory-installed wood nailer; complying with NRCA standards.

1. Curb Insulation and Adhesive: Comply with NFPA 90A or NFPA 90B.
   a. Materials: ASTM C 1071, Type I or II.
   b. R-value: 12

2. Application: Factory applied with adhesive and mechanical fasteners to the internal surface of curb.
   a. Liner Adhesive: Comply with ASTM C 916, Type I.
   b. Mechanical Fasteners: Galvanized steel, suitable for adhesive attachment, mechanical attachment, or welding attachment to duct without damaging liner when applied as recommended by manufacturer and without causing leakage in cabinet.

c. Liner materials applied in this location shall have air-stream surface coated with a temperature-resistant coating or faced with a plain or coated fibrous mat or fabric depending on service air velocity.

C. Hot-Gas Reheat Refrigerant Coil:

1. Aluminum-plate fin and seamless copper tube in steel casing with equalizing-type vertical distributor.

2.14 ENERGY RECOVERY WHEEL

A. The structural frame and casing shall be designed and manufactured so as to allow a maximum rotor deflection of 0.8 mm, as measured at the outer radius, during maximum rated airflow condition.

B. All sheet metal shall be reinforced as required to provide a solid mounting surface of the peripheral and radial seals in order to maintain a minimum of 19 mm fixed distance between the rotor surface and any sheet metal or steel parts. There shall be no special requirement to provide any casing side access for future rotor removal and / or service. All such service work shall be possible to perform from inside the duct at the face of the rotor casing.

C. A purge section shall be provided to eliminate transfer of exhaust air into the supply air, and shall be field adjustable.

D. External tapered roller bearings with double set screw locking collars shall be provided and sized for a minimum L-10 life of 219,000 hours of operation and shall be changeable without a complete disassembly of the rotor. Shaft journals shall be machined to proper tolerance as specified by the bearing manufacturer. Shaft shall be machined as to provide a shoulder against the bearings for a positive locked position to eliminate any lateral movement of the rotor due to axial bearing loads. Grease fittings shall be easily accessible.

E. The spokes shall be made of extruded aluminum with an “I” beam shape to limit deflection of the rotor to 0.8 mm for the maximum rated airflow. Spoke surfaces to be serrated for increased friction and air turbulence across the seals.

F. The rim joint shall connect the spoke ends and the rim ends together in such a way that the heat transfer media can be installed under field conditions without any media deformation or misfits causing future problems. The rim joints shall provide a gradual compression of each section by independently applying increased tension of the rim bolts without the use of any special tools or devices.

G. The rims shall be made of two extruded aluminum sections – one inner rim and one outer rim with grooves for the twin “V” belts, and guide flanges for securing the media. The two sections shall be welded together to form a tubular structure for improved strength in order to maintain an accurate radius and rotor roundness during the manufacturing process.

H. No external pullers or other special tooling shall be required for field assembly or replacement of rotor. The media shall be machined to fit in between a primary and secondary spoke and a guiding flange of the outside rim. Each media segment shall be compressed independently of all other segments during manufacturing without causing any angular deformation and resulting misfits between the spokes and media parts. The results shall be a wheel with a flatness of +/- 0.8 mm. No adhesive or silicone shall be necessary to secure the media in place.

I. The heat transfer media shall be the industry standard of 200 mm. in depth. Non-standard depths shall be unacceptable. The heat transfer media shall be made out of corrugated aluminum foil with a high surface area per volume laminar flow to assure that no fouling occurs on the internal heat transfer surface. Dry particles up to 900 microns shall pass freely through the media. This material shall be supplied with a silica gel coating for adsorption of water vapor and equal sensible and latent heat transfer. All edges shall have an anti-corrosion epoxy coating.

I. The seals shall be of a maintenance free “non-contact” type with a 4-pass labyrinth “turbine” for optimum performance and designed to eliminate wear and excessive drag. The seals shall be adjustable and set to within 1.3 mm of the rotor surface and must be bolted to the frame with stainless steel hardware to eliminate seal movement. The seal system shall withstand a pressure difference up to 3000 Pa.

J. The drive systems shall be gravity tensioned and shall use two standard “B” section V-belts that must ride in a groove in the rotor rim to eliminate any side-to-side movements and slippage. The speed reducer shall be grease lubricated, maintenance free with a flexible Love-Joy input coupling for easy motor separation and for absorption of any shock or vibration. The drive system shall be easily accessible and visible for inspection and maintenance and have a minimum life expectancy of 90,000 hours.

K. The speed control system shall be variable frequency inverter modulating or continuous operation as required to maintain discharge air temperature setpoints.

L. Rotation detector shall be provided consisting of an inductive proximity sensor, shaft target and a relay supplying with a dry contract shall be used to provide RPM readout and wheel stoppage alarm contacts.

M. The entire rotor and wheel assembly shall require only limited maintenance of biannual greasing of the main bearings and inspection of the drive system.

N. A standard 10-year material and labor warranty shall be provided covering all materials supplied and installed.

O. Heat wheels shall be manufactured by Addison, Air Xchange, XeteX Inc., Novel Aire Technologies, American Energy Exchange, Semco, Thermotec or DRI.

2.15 SEQUENCE OF OPERATION

A. See drawing equipment schedule and temperature control drawings.

2.16 ACCESSORIES

A. Filter differential pressure switch with sensor tubing on either side of each filter bank. Set for final filter pressure loss.

B. Coil guards of painted, galvanized-steel wire.

C. Return smoke detector hard wired to associated fan with dry contacts for fire alarm and building automation connections.

D. Building space pressure sensor/transducer.

E. Building space humidity sensor.

F. Return air temperature and humidity sensors.

G. Matching temperature sensors in each air stream upstream and downstream of the energy wheel.

H. Outside air temperature and humidity sensors.

I. Separate cooling coil, hot gas reheat coil, and electric reheat discharge temperature sensors.

J. Energy wheel rotation proving magnet sensors.

K. Supply duct static pressure sensor.

L. .

M. Temperature sensor between DX coil and hot gas reheat coil.

N. Central space temperature sensor for night setback / setup.

O. See design drawing schedule notes and temperature control design drawings for additional sensor requirements.

P. General:

1. AHUs shall be fully integrated into the BAS Control equipment and sequence of operation are described herein and on design drawings.
2. The units shall have direct control of its supply fan(s), exhaust fan, air control dampers, refrigeration section (compressor, condenser fans, refrigerant expansion valve, etc.), hot gas reheat and modulating gas heat.
3. The units shall have all necessary controllers, sensors, feedback, and control logic as required to perform the sequences as described herein and design drawings.

2.17 CAPACITIES AND CHARACTERISTICS

A. As scheduled on drawings

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of AHUs.

B. Examine roughing-in for AHUs to verify actual locations of piping and duct connections before equipment installation.

C. Examine roofs for suitable conditions where AHUs will be installed.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Roof Curb: Install on roof structure, level and secure, according to NRCA's "Low-Slope Membrane Roofing Construction Details Manual," Illustration "Raised Curb Detail for Air Handling Units and Ducts." and ARI Guideline B. Install AHUs on curbs and coordinate roof penetrations and flashing with roof construction specified in Division 7. Secure AHUs to upper curb rail, and secure curb base to roof framing or concrete base with anchor bolts.

3.3 CONNECTIONS

A. Piping installation requirements are specified in other Division 15 sections. The Drawings indicate the general arrangement of piping, valves, fittings, and specialties. The following are specific connection requirements:

1. Arrange piping installations adjacent to units to allow unit servicing and maintenance.
2. Connection piping to applied air handling units with flexible connectors.
3. Connection condensate drain pans using 1-1/4 inch, Type M copper tubing. Extend to the nearest roof drain. Construct deep trap at connection to drain pan and install cleanouts at changes in direction.

B. Gas Piping: Comply with applicable requirements in Division 15. Connect gas piping to burner, full size of gas train inlet, and connect with union, gas regulator, dirt leg and shutoff valve with sufficient clearance for burner removal and service.

C. Duct installation requirements are specified in other HVAC Sections. Drawings indicate the general arrangement of ducts. The following are specific connection requirements:

1. Install ducts to termination at top of roof curb.
2. Remove roof decking only as required for passage of ducts. Do not cut out decking under entire roof curb. Seal openings in roof deck to supply or return air plenums to same leakage at pressure rating as curb.
3. Connect supply ducts to AHUs with flexible duct connectors specified in Division 15.
4. Install return-air duct continuously through roof structure.
5. Install normal-weight, 3000-psi, compressive strength (28-day) concrete mix inside roof curb, 4-inches thick. Concrete, formwork, and reinforcement are specified with concrete.

D. Electrical Connections: The following requirements apply:

1. Electrical power wiring is specified in Division 16.
2. Temperature control wiring and interlock wiring is specified in Division 15 Section "Building Automation System – BAS"
3. Grounding: Connect unit and components to ground in accordance with the National Electrical Code.

3.4 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections. Report results in writing.

B. Tests and Inspections:

1. After installing AHUs and after electrical circuitry has been energized, test units for compliance with requirements.
2. Inspect for and remove shipping bolts, blocks, and tie-down straps.
3. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
4. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

C. Remove and replace malfunctioning units and retest as specified above.

3.5 ADJUSTING, CLEANING AND PROTECTING

A. Adjust damper linkages for proper damper operation.

B. Clean unit cabinet interiors to remove foreign material and construction dirt and dust. Vacuum clean fan wheel, fan cabinet and coils entering air face.

3.6 STARTUP SERVICE

A. Engage a factory-authorized service representative to perform startup service.

B. Verify unit is secure on mountings and supporting devices and that connections for piping, ductwork and electrical are complete. Verify proper thermal overload protection is installed in motors, starter, and disconnects.

C. Perform cleaning and adjusting specified in this Section.

D. Disconnect fan drive from motor and verify proper motor rotation direction and verify fan wheel free rotation and smooth bearings operations. Reconnect fan drive system, align belts and install belt guards.

E. Lubricate bearings, pulleys, belts and other moving parts with factory recommended lubricants.

F. Set outside-air and return air mixing dampers to minimum outside-air setting.

G. Comb coil fins for parallel orientation.

H. Install clean filters.

I. Verify manual and automatic volume control and fire and smoke dampers in connected ductwork systems are in the full-open position.

J. Disable automatic temperature control operators.

K. Starting procedures for applied air handling systems:

1. Energize motor, verify proper operation of motor, drive system and fan wheel. Adjust fan to indicated RPM.
   a. Replace fan and motor pulleys and belts as required to achieve design conditions.

2. Measure and record motor electrical values for voltage and amperage.

3. Vacuum the heat exchanger. Clean after all necessary tests have been carried out and before system is turned over to Owner.

L. Shut unit down and reconnect automatic temperature control operators.

M. Refer to Division 15 Section "Testing, Adjusting and Balancing for HVAC" for procedures for air handling system testing, adjusting, and balancing.

N. Replace fan sheaves as required to achieve airflow requirements.

O. Complete installation and startup checks according to manufacturer's written instructions and do the following:

1. Inspect for visible damage to unit casing.
2. Inspect for visible damage to controls, dampers, compressor, coils, wheels and fans.
3. Inspect internal insulation.
4. Verify that labels are clearly visible.
5. Verify that clearances have been provided for servicing.
6. Verify that controls are connected and operable.
7. Verify that filters are installed.
8. Clean condenser coil and inspect for construction debris.
9. Remove packing from vibration isolators.
10. Inspect operation of dampers (both motorized and barometric relief dampers when provided).
11. Verify lubrication on fan and motor bearings.
12. Inspect fan-wheel rotation for movement in correct direction without vibration and binding.
13. Adjust fan belts to proper alignment and tension.
14. Start unit according to manufacturer's written instructions.
    a. Start refrigeration system.
    b. Do not operate below recommended low-ambient temperature.
    c. Complete startup sheets and attach copy with Contractor's startup report.
15. Inspect and record performance of interlocks and protective devices; verify sequences.
16. Operate unit for an initial period as recommended or required by manufacturer.
17. Calibrate thermostats / sensors and controls.
18. Adjust and inspect high-temperature limits.
19. Inspect outdoor-air / return air and exhaust air dampers for proper stroke and control.
20. Start refrigeration system and measure and record the following when ambient is a minimum of 15°F above return-air temperature:
    a. Coil leaving-air, dry- and wet-bulb temperatures.
    b. Coil entering-air, dry- and wet-bulb temperatures.
    c. Outdoor-air, dry-bulb temperature.
    d. Outdoor-air-coil, discharge-air, dry-bulb temperature.
21. Inspect controls for correct sequencing of heating, mixing dampers, refrigeration, and normal and emergency shutdown.
22. Measure and record the following minimum and maximum airflows. Plot fan volumes on fan curve.
    a. Supply-air volume.
    b. Return-air volume.
    c. Relief-air volume.
    d. Outdoor-air intake volume.
23. Simulate maximum cooling demand and inspect the following:
    a. Compressor refrigerant suction and hot-gas pressures.

b. Short circuiting of air through condenser coil or from condenser fans to outdoor-air intake.

P. After startup and performance testing and prior to Substantial Completion, replace existing filters with new filters

3.7 POST OCCUPANCY ADJUSTMENT

A. Occupancy Adjustments: When requested within 12 months of date of Preliminary Acceptance, provide on-site assistance in adjusting system to suit actual occupied conditions.

B. After completing system installation and testing, adjusting, and balancing AHU and air-distribution systems, clean filter housings and install new filters.

3.8 TRAINING AND DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain the roof top units as specified below:

1. Train Owner's maintenance personnel on procedures and schedules for starting up, adjusting, operating and shutting down, troubleshooting, servicing, and maintaining the equipment. The training will occur after the startup report has been provided to the owner and the trainer will provide four Installation and Operation manuals for the use of the Owner’s personnel during training.
2. Review data in maintenance manuals. Refer to Division 01 Section "Contract Closeout."
3. Review data in maintenance manuals. Refer to Division 01 Section "Operation and Maintenance Data." All required and recommended maintenance will be reviewed as well as operational troubleshooting. If the IOM does not include a written troubleshooting guide, one will be provided.
4. Schedule training with Owner, through Architect, with at least seven days' advance notice.
5. Training will occur in two (2) separate eight (8) hour sessions, neither on the same day nor on a day that the roof top units are started up.

B. Demonstrate proper operation of equipment to commissioning agent or designated Owner’s personnel. The scope of the demonstration shall include functional performance requirements under both local and building automation control as well as any commissioning requirements in Division 01 and 15.

C. Video record the training sessions. The manufacturer may submit a standard training video training CD for review as an alternate to videotaping of the training session. The standard video must be reviewed and accepted by the owner/commissioning authority for the alternate to be acceptable.

END OF SECTION 15732

b. Air outlets and inlets.
c. Speakers.
d. Sprinklers.
e. Access panels.

D. Operation and Maintenance Data: For cabinet unit heaters to include in operation and maintenance manuals. Field quality control test reports.

1.5 QUALITY ASSURANCE

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

1.6 DELIVERY, STORAGE AND HANDLING

A. Follow manufacturer's instructions for job site storage and protection of materials during construction.

1.7 EXTRA MATERIALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Cabinet Unit Heater Filters: Furnish one spare filter.

1.8 WARRANTY

A. Written manufacturers' warranty covering parts and labor for a period of one year from substantial completion, or eighteen months from shipment, whichever is longer.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following manufacturers:

1. Electric Units:
a. Marley Electric Heating; a division of Marley Engineered Products.
b. Trane
c. Modine
d. Reznor
e. Indeeco

2.2 CABINET UNIT HEATERS

A. Description: A factory-assembled and -tested unit complying with ARI 440.

1. Comply with UL 2021.

SECTION 15767 – PROPELLER UNIT HEATERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

B. All sections of Division 15 and 16 apply to this section.

1.2 SUMMARY

A. This Section includes propeller unit heaters with electric-resistance coils.

1.3 DEFINITIONS – NOT APPLICABLE

1.4 SUBMITTALS

A. Product Data: Include rated capacities, operating characteristics, furnished specialties, and accessories for each unit type and configuration.

B. Shop Drawings: Submit the following for each unit type and configuration:

1. Plans, elevations, sections, and details.
2. Details of anchorages and attachments to structure and to supported equipment.
3. Wiring Diagrams: Power, signal, and control wiring.
4. Equipment schedules to include rated capacities, operating characteristics, furnished specialties, and accessories.

C. Operation and Maintenance Data: For propeller unit heaters to include in emergency, operation, and maintenance manuals. Field quality control test reports.

1.5 QUALITY ASSURANCE

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Subject to compliance with requirements, provide products by one of the following:

1. Electric Unit Heaters:
   a. Marley Electric Heating Company, Berko Div.
   b. Indeeco.
   c. Reznor
   d. Modine

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Subject to compliance with requirements, provide diffusers by one of the following:

1. Centrifugal Roof Ventilators:
   a. Greenheck.
   b. Loren Cook Company.
   c. Penn Ventilation.
   d. Twin Cities
   e. Carnes

2. Upblast Propeller Roof Exhaust Fans:
   a. Greenheck.
   b. Loren Cook Company.
   c. Penn Ventilation.
   d. Twin Cities

3. Centrifugal Wall Ventilators:
   a. Greenheck.
   b. Loren Cook Company.
   c. Penn Ventilation.
   d. Twin Cities

4. In-line Centrifugal Fans (Non-Mixed Flow Fans):
   a. Greenheck.
   b. Loren Cook Company.
   c. Penn Ventilation.
   d. Twin Cities

2.2 CENTRIFUGAL ROOF VENTILATORS

A. Description: Direct- or belt-driven centrifugal fans as scheduled consisting of housing, wheel, fan shaft, bearings, motor and disconnect switch, drive assembly, curb base, and accessories.

B. Housing: Removable, spun-aluminum, dome top and outlet baffle; square, one-piece, aluminum base with venturi inlet cone.

1. Upblast Units: Provide spun-aluminum discharge baffle to direct discharge air upward, with rain and snow drains.

C. Fan Wheels: Aluminum hub and wheel with backward-inclined blades.

D. Belt-Driven Drive Assembly (Provide drive type as scheduled. Where not indicated, direct drive for all units less then ½ HP): Resiliently mounted to housing, with the following features:

1. Fan Shaft: Turned, ground, and polished steel; keyed to wheel hub.
2. Shaft Bearings: Permanently lubricated, permanently sealed, self-aligning ball bearings.
3. Pulleys: Cast-iron, adjustable-pitch motor pulley.
4. Fan and motor isolated from exhaust airstream.

E. Accessories:

SECTION 15950 - TEMPERATURE CONTROLS

PART 1 - GENERAL:

1.1 SECTION INCLUDES:

A. Work under this Section is subject to the requirements of the Contract Documents.

B. Furnish and install all temperature control equipment, wiring in blue metal conduit (line and low voltage), materials, and accessories as shown on the Contract Drawings and as specified herein, which include, but are not limited to, the following:

1. Input devices:
    a. Temperature sensors:
        (1) Room temperature sensors
        (2) Thermowells
        (3) Outside air sensors
        (4) Duct mount sensors
        (5) Averaging sensors
    b. Thermostats:
        (1) Electric room thermostats
    c. Humidity sensors
    d. Differential pressure transmitters
    e. Duct air flow measuring stations
    f. Damper position indicators
    g. Carbon monoxide detectors
    h. Carbon dioxide sensors
    i. Smoke detectors
    j. Status and safety switches:
        (1) Current sensing switches
        (2) Air filter status switches
        (3) Air pressure safety switches
        (4) Low temperature protection switches
        (5) Sump pit high level switches
2. Output devices:
    a. Actuators:
        (1) Electronic damper actuators
        (2) Electronic valve actuators
    b. Control dampers
    c. Damper position indicators
    d. Control pilot relays
3. Miscellaneous items:
    a. Power supplies:
        (1) DC power supplies
    b. Surge protectors:
        (1) Data line surge protectors
        (2) Power line surge protectors
    c. Control panels

1.2 RELATED WORK:

A. Division 13 - Building Automation System (BAS), Section 13850

B. Division 15 - Sequence of Operations, Section 15985

C. Division 16 - Electrical

1.3 REFERENCES:

A. As a minimum, meet the requirements of the following codes and standards.

1. City of Chicago Electrical and Energy Conservation Code
2. AMCA 500 - Test Methods for Louvers, Dampers and Shutters
3. ASHRAE Standard 135-2016
4. ASME B16.22 - Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
5. ASTM B280 - Seamless Copper Tube for Air Conditioning and Refrigeration Field Service
6. NEMA DC 3 - Low-Voltage Room Thermostats
7. NEMA EMC1 - Energy Management Systems Definitions
8. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum)
9. NFPA 70, 72 - National Electrical Code & Fire Codes
10. NFPA 90A - Installation of Air Conditioning and Ventilation Systems
11. Underwriters Laboratories (U.L.) Standards

1.4 SUBMITTALS:

A. Refer to the Basic Mechanical Requirements Section, 15100.

B. Shop Drawings: Include complete control system drawings, wiring diagrams, and written detailed operational description of sequences. Submit schedule of control valves and control dampers indicating size, flow, and pressure drop for each valve. For automatic dampers indicate arrangement, velocities, and static pressure drops for each system. Submit flow charts for each sequence of operation.

C. Schematic Diagrams: Schematic diagrams shall be provided indicating all termination points within each DDC cabinet, control piping and wiring of sensors and actuators to DDC cabinets.

D. Product Data: Provide description and engineering data for each control system component. Include sizing as requested. Provide data for each system component and software module.

E. Manufacturer's Instructions: Provide instructions for all manufactured components. Include inspection period, cleaning methods, recommended cleaning materials, and calibration tolerances.

F. Project Record Documents: Revised Shop Drawings reflecting actual installation and operating sequences. Records of actual locations of control components, including panels, thermostats, and sensors.

1.5 QUALITY ASSURANCE:

A. Refer to the Basic Mechanical Requirements Section, 15100.

B. All temperature control components shall be integrated in existing Airport control system. Control devices shall be compatible with current Airport devices.

C. Design system under direct supervision of a Professional Engineer experienced in design of this type and nature of work and licensed in the State of Illinois.

D. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.

E. Contractor Qualifications: Installation of temperature control equipment and accessories must be performed only by a qualified installer. The term qualified means experienced in performing the work required by this Section. The qualified installer will be responsible for demonstrating to the Commissioner's satisfaction that he/she has sufficient experience in its role. The installer must submit evidence of such qualifications upon request by the Commissioner.

F. Manufacturer Qualifications: Fabrication of temperature control equipment and accessories must be performed only by a qualified fabricator. The term qualified means experienced in performing the work required by this Section. The qualified fabricator will be responsible for demonstrating to the Commissioner's satisfaction that he/she has sufficient experience in its role. The qualified fabricator must submit evidence of such qualifications upon request by the Commissioner.

1.6 DELIVERY, STORAGE, AND HANDLING: NOT USED

1.7 WARRANTIES:

A. Refer to the Basic Mechanical Requirements Section, 15100.

1.8 EXTRA MATERIALS AND SPARE PARTS: NOT USED

PART 2 - PRODUCTS:

2.1 ACCEPTABLE MANUFACTURERS:

A. Subject to compliance with the requirements of the Contract Documents, the products shall be by one of the manufacturers listed in this Section of the specification.

Item	Manufacturer
Temperature Control Systems	Siemens Building Technologies, Automated Logic, Johnson Controls, Honeywell
Control Air Systems	N.A.

B. The design of this project, including all plans, drawings, and construction details, is based on the stated manufacturer's model numbers. If the Contractor intends to provide items or equipment from any of the other acceptable manufacturers listed in the Contract Documents, then the Contractor shall be responsible for the cost of any and all work, including, but not limited to additional design, engineering, labor, material, equipment and incidental costs, necessary to accommodate such items or equipment for this project.

C. Any and all work that may be required to accommodate any items or equipment of the other acceptable manufacturers listed in the Contract Documents is, without limitation, subject to the review of the Commissioner.

2.2 INPUT DEVICES:

A. Temperature Sensors

1. General requirements:
   a. Provide sensors and transmitters as required by the point lists and sequence of operation and to achieve the specified accuracy as specified herein.
   b. Temperature transmitters shall be equipped with individual zero and span adjustments. Provide a loop test signal to aid in sensor calibration.
   c. Temperature transmitters shall be sized and constructed to be compatible with the medium to be monitored. Transmitters shall be equipped with a linearization circuit to compensate for non-linearities of the sensor and bridge and provide a true linear output signal.
   d. Temperature sensor shall be of the resistance type and shall be either three-wire 100 ohm platinum RTD, or two-wire 1000 ohm platinum RTD.
   e. Thermistors are acceptable provided the mathematical relationship of a thermistor with respect to resistance and temperature with the thermistor fitting constraints is contained with the digital controller operating software and the listed accuracies can be obtained. Submit proof of the software mathematical equation and thermistor manufacturer fitting constants used in the thermistor mathematical/expressions. Thermistors shall be of the thermistor (NTC) type with a minimum of a 50 ohm/°F. resistance charge versus temperature to insure good resolution and accuracy. Thermistors shall be certified to be stable .24°F. over 5 years and .36°F. accurate and free from drift for 5 years.
   f. The following accuracies are required and include errors associated with the sensor, lead wire, and A to D conversion:

Point Type	Accuracy
Room Temperature	± 1.0°F.
Hot Water	
Duct Temperature	± 0.5°F.
Precision	
All Others	.

2. Room temperature sensors:
   a. Room sensors shall be constructed for recessed surface mounting. Provide flat plate stainless type. Setpoint adjustment shall be through the BAS.

3. Thermowells:
   a. When thermowells are required, the sensor and well shall be supplied as a complete assembly including well head and Greenfield fitting.
   b. Thermowells shall be pressure rated and constructed in accordance with the system working pressure.
   c. Thermowells and sensors shall be mounted in a threadolet or ½" NFT saddle and allow easy access to the sensor for repair or replacement.
   d. Thermowells shall be constructed of the following materials:
      1) Hot Water: Brass.

4. Outside air sensors:
   a. Outside air sensors shall be designed to withstand the environmental conditions to which they will be exposed. They shall also be provided with a solar shield.
   b. Sensors exposed to wind velocity pressures shall be shielded by a perforated plate surrounding the sensor element.
   c. Temperature transmitters shall be of NEMA 3R construction and rated for ambient temperatures.

5. Duct mount sensors:
   a. Duct mount sensors shall mount in an electrical box through a hole in the duct and be positioned so as to be easily accessible for repair or replacement. A neoprene grommet (sealtite fitting and mounting plate) shall be used on the sensor assembly to prevent air leaks.
   b. Duct sensors shall be insertion type and constructed as a complete assembly including lock nut and mounting plate. Duct sensor probes shall be constructed of 304 stainless steel.
   c. For outdoor air duct applications, use a weatherproof mounting box with weatherproof cover and gasket.

6. Averaging sensors:
   a. For ductwork greater in any dimension that 48 inches and/or air temperature stratification exists, utilize an averaging sensor with multiple sensing points. The averaging sensor shall be a 304 stainless steel tube with holes extending across the duct or plenum to be sampled. A bleed hole outside the duct or plenum causes air to enter the sample tube and exit at the bleed hole, thus bathing the sensor in average air. The averaging sensor shall be installed complete with end cap, compression fittings, gaskets, mounting flange and required accessories.
   b. For plenum applications such as mixed air temperature measurements, utilize a string of sensors mounted across the plenum to account for stratification and/or air turbulence. The averaging string shall have a minimum of 4 sensing points per 12 foot long segment.
   c. Provide capillary supports at the sides of the duct to support the sensing string.

7. Acceptable manufacturers:
   a. Thermistors: PreCon Type-3, ACI, Mamac.
   b. Platinum RTD: HY Cal., ACI, Mamac.

B. Thermostats

1. Electric room thermostats:
   a. Electric thermostats of the heavy-duty type shall be provided for unit heaters cabinet unit heaters, cabinet unit heaters and ventilation fans where required. All shall be provided with concealed adjustment. Finish of covers for all room-type instruments shall match. Covers shall be manufacturer's standard finish as reviewed by the Commissioner.

C. Humidity Sensors

1. The sensor shall be a solid state type relative humidity sensor of the Bulk Polymer Design. The sensor element shall resist service contamination.
2. Humidity transmitter shall be equipped with non-interactive span and zero adjustments, a 2 wire isolated loop powered, 4-20 mA, 0-100% linear proportional output.

3. Outside air relative humidity sensors shall be installed with a rain proof, perforated cover. The transmitter shall be installed in a NEMA 3R enclosure with sealtite fittings and stainless steel bushings.
4. Provide a single point humidity calibrator, if required, for field calibration. Transmitters shall be shipped factory pre-calibrated.
5. Duct type sensing probes shall be constructed of 304 stainless steel and be equipped with a neoprene grommet, bushings and a mounting bracket.
6. Acceptable Manufacturers: Vaisala, General Eastern, Hy - Cal.

D. Differential Pressure Transmitters

1. General air and water pressure transmitter requirements:
   a. Pressure transmitters shall be constructed to withstand 100% pressure over-range without damage and to hold calibrated accuracy when subject to a momentary 40% over-range input.
   b. Pressure transmitters shall transmit a 0 to 5 vdc, 0 to 10 vdc, or 4 to 20 mA output signal.
   c. Provide a minimum of a NEMA 1 housing for the transmitter. Locate transmitters in accessible local control panels whenever possible.
   d. Provide a two year warranty from the date of final acceptance of the project for each transmitter. Replace all transmitters found to be defective at no cost to the City during the warranty period.

2. Low differential air pressure applications (0" to 5" w.c.):
   a. The differential pressure transmitter shall be of industrial quality and transmit a linear output in response to variation of differential pressure or air pressure sensing points.
   b. The differential pressure transmitter shall have non-interactive zero and span adjustments adjustable from the outside cover and meet the following performance specifications:
      1) (0.00 - 1.00” to 5.00") w.c. input differential pressure ranges. Select range appropriate for system application.
      2) 4-20 mA or 0-10 vdc outputs
      3) Maintain accuracy up to 20 to 1 ratio turndown
      4) Reference Accuracy: + 1.0% of full span

   c. Acceptable Manufacturers: Modus, Ashcroft, Kele & Associates

3. Static pressure traverse probe:
   a. Provide duct static traverse probes where required to monitor duct static pressure. Probe shall contain multiple static pressure sensors located along exterior surface of the cylindrical probe.

E. Flow Monitoring

1. Air flow monitoring:
   a. Duct air flow measuring stations:
   b. Each device shall be built to comply with, and provide results in accordance with, accepted practice as defined for system testing in the ASHRAE Handbook of fundamentals, as well as the Industrial Ventilation Handbook.
   c. Airflow measuring stations shall be fabricated of 14 gauge galvanized steel welded casing with 90 Deg. connecting flanges in configuration and size equal to that of the duct it is mounted into. Each station shall be complete with an air directionalizer and parallel cell profile suppressor (¾" maximum cell) across the entering air stream and mechanically fastened to the casing in such a way to withstand velocities up to 6000 feet per minute. This air directionalizer and parallel cell honeycomb suppressor shall

provide 98% free area, equalize the velocity profile, and eliminate turbulent and rotational flow from the air stream prior to measuring point.

d. The total pressure measurement side (high side) shall be spaced to the Industrial Ventilation Manual 16th Edition. The self-averaging manifolding will be manufactured of brass and copper components.
   1) The static pressure sensing probes (low side) shall be bullet-nose shaped, per detailed radius as illustrated in Industrial Ventilation Manual 16th Edition.
   2) The main take-off point from both the total pressure and the static pressure manifolds must be symmetrical.
   3) Total and static pressure manifolds shall terminate with external ports for connection to control tubing provided under this Section. An identification label shall be placed on each unit casing listing model number, size, area, and specified airflow capacity.

e. The velocity pressure transmitter shall be of industrial quality and transmit a linear output in response to variation of differential pressure.
   1) Velocity pressure transmitters used for flow measurement shall be sized to the flow sensing device and shall be supplied with tee fittings and shut-off valves in the high and low sensing pick-up lines to allow the Contractor and City permanent easy-to-use connection.
   2) The velocity pressure transmitter shall have automatic zero feature and non-interactive span adjustments.
   3) Transmitter shall provide the following:
      a) Select range appropriate for system application.
      b) 4-20 mA or 0-10 vdc outputs
      c) Maintain accuracy up to 20 to 1 ratio turndown
      d) Reference Accuracy: + 0.25% of full span

F. Installation considerations:

1. The maximum allowable pressure loss through the Flow and Static Pressure elements shall not exceed .065" w.c.. at 1000 feet per minute, or .23" w.c.. at 2000 feet per minute. Each unit shall measure the airflow rate within an accuracy of plus 2% as determined by U.S. - GSA certification tests and shall contain a minimum of one total pressure sensor per 36 square inches of unit measuring area.
2. The units shall have a self-generated sound rating of less than NC40 and the sound level within the duct shall not be amplified nor shall additional sound be generated.
3. Where the stations are installed in insulated ducts, the airflow passage of the station shall be the same size as the inside airflow dimension of the duct. Station flanges shall be two inch to three inch to facilitate matching connecting ductwork.
4. Stations shall be installed in strict accordance with the manufacturer's published requirements, and with ASME Guidelines affecting non-standard approach conditions.
5. Air flow measuring stations shall be furnished complete with velocity pressure transmitters as selected by the station manufacturer.

G. Manufacturers:

1. Acceptable manufacturers are Air Monitor Corp., Tek-Air, Ebtron, Paragon Controls, Inc.

H. Carbon Dioxide Detectors

1. Minimum sensor range shall be 0-2000 PPM, microprocessor controlled.
2. Accuracy of 3% of the reading +/- 50ppm; suitable over a temperature range of 32 to 122 degF.
3. Sensor shall be capable of analog output of 4-20mA, 0-5 or 0-10 VDC

4. Sensor with stainless steel wire mesh filter with dual channel calibration for duct mounting. Dual channel calibration shall incorporate a single infrared beam with two detectors incorporating different optical filters. One filter shall measure the wavelength region absorbed by CO2 and the other filter shall measure the wavelength region not absorbed by CO2. Dual channel NDIR calibration shall be once every 24 hours. ABC Calibration Logic utilizing a single beam shall not be acceptable.
5. For duct mounted sensing, provide sampling tubes and accessories as required by the manufacturer to provide the necessary accuracy.
6. Acceptable manufactures: MSA, Engelhard, Vulcain, Belimo

I. Carbon Monoxide Detectors

1. The carbon monoxide sensor shall be of maintenance free solid state construction and use a microprocessor based transmitter which calculates various calibration factors and transmits a linear 4 - 20 Ma output proportional to carbon monoxide concentration.
2. The combined sensor/transmitter shall meet the following specifications:
3. Duct mounted installations shall be equipped with an insertion probe and mounted in a NEMA 1 enclosure. If exterior sensors are used they shall be mounted in a NEMA 12 enclosure.
4. Provide a calibration test kit complete with a calibration apparatus, carrying case and test gas cylinder.
5. Provide individual indicators and contactors for each level, initially calibrated for 50 ppm and 100 ppm.
6. Maximum response time to 100 ppm CO calibration gas: Two minutes.
7. Acceptable Manufacturers: MSA Instruments, National Drager, Yokogowa

J. Smoke Detectors

1. Duct smoke detectors shall be of the ionization type. Each detector shall provide at least two alarm contacts and one trouble contact. Detectors shall operate on any of three input voltages: 115 vac, 24 vac or 24 vdc.
2. Air sampling shall be accomplished by separate intake and exhaust air sampling tubes. Intake sampling tube shall be the full width of the duct with 7.5" long exhaust tube. Detector shall be capable of sampling air in the 300 to 4000 fpm range.
3. Remote alarm/test/reset alarm station shall be furnished for each detector. Station shall provide visual indication of alarm (red LED) and pilot (green LED). Stations mounted inside key lock local control panels shall be furnished with push button test/reset switch. Stations mounted outside control panels shall be furnished with key-operated test/reset switch.

K. Status and Safety Switches

1. General requirements:
   a. Switches shall be provided to monitor equipment status, safety conditions and generate alarms at the BAS when a failure or abnormal condition occurs. If applicable, safety switches shall be provided with two sets of contacts and interlock wired to shut down respective equipment.

2. Current sensing switches:
   a. Current sensing switches shall be used for run status for fans, pumps, and other miscellaneous motor loads.
   b. Current sensing switch shall be self-powered with solid state circuitry and a dry contact output. It shall consist of a current transformer, a solid state current sensing circuit, adjustable trip point, solid state switch, SPDT relay and an LED indicating the on or off status. A conductor of the load shall be passed through the window of the device. It shall accept over current up to twice its trip point range.

c. Current sensing switches shall be calibrated to show a positive run status only when the motor is operating under load. A motor running with a broken belt or coupling shall indicate a negative run status.

3. Air filter status switches:
   a. Differential pressure switches used to monitor air filter status shall be of the automatic reset type with SPDT contracts rated for 2 amps at 120 vac.
   b. Provide complete installation kit including; static pressure tips, tubing, fittings and air filters.
   c. Provide appropriate scale range and differential adjustment for intended service.

4. Air pressure safety switches:
   a. Air pressure safety switches shall be of the manual reset type with SPDT contacts rated for 2 amps at 120 vac.
   b. Pressure range shall be adjustable with appropriate scale range and differential adjustment for intended service.

5. Low temperature protection switches:
   a. The low temperature protection switch shall be of the manual reset type with double pole / single throw snap acting contacts rated for 16 amps at 120 vac.
   b. The sensing element shall be a minimum of 15 feet in length and shall react to the coldest 18 inch section. Mount element horizontally across duct in accordance with manufacturers recommended installation procedures.
   c. For large duct areas where the sensing element does not provide full coverage of the air stream, provide additional switches as required to provide full protection of the air stream.

6. Sump pit high level switches:
   a. Sump pit high level switch shall be a mercury filled micro switch enclosed in a water proof plastic float with attached cable.
   b. Provide complete installation kit to hang float switch into sump pit.

2.3 OUTPUT DEVICES:

A. Actuators

1. General requirements:
   a. Damper actuators and valve actuators shall be electrical.
   b. Unless permitted otherwise by the Commissioner, the control method for new damper actuators and valve actuators shall be similar to existing.

2. Electronic damper actuators:
   a. Electronic damper actuators shall be direct shaft mount as manufactured by Belimo Air Controls, Trane, Siebe, or Andover.
   b. Provide modulating and two-position actuators as required by the sequence of operation. Provide only one actuator per damper section. Size damper sections based on actuator manufacturer’s recommendations for face velocity, differential pressure and damper type. The actuator mounting arrangement and spring return feature shall permit normally open or normally closed positions of the dampers as required. All actuators (except terminal units) shall be furnished with mechanical spring return unless otherwise specified in the sequences of operations. All actuators shall have external adjustable stops to limit the travel in either direction and a gear release to allow manual positioning. All spring return actuators shall have a removable crank to

override the actuator and manually position the damper. All damper actuators shall have a visual position indicator.

c. Modulating actuators shall accept 24 vac or vdc power supply and consume no more than 15 VA and be UL listed. Control signal shall be 2-10 vdc or 4-20 mA and actuator shall provide a clamp position feedback signal of 2-10 vdc. Feedback signal shall be independent of the input signal and may be used to parallel other actuators and provide true position indication. The feedback signal of one damper actuator for each separately controlled damper shall be wired back to a terminal strip in the control panel for trouble-shooting purposes. Example; wire back feedback signal from exhaust air damper actuator when this actuator receives its control signal from the return air damper actuator.

d. Two-position or open/closed actuators shall accept 24 or 120 vac power supply and be UL listed. Isolation, exhaust fan and other dampers as specified in the sequence of operations shall be furnished with adjustable end switches to indicate open/closed position or be hard wired to start/stop associated fan. Two-position actuators as specified in sequences of operation as “quick acting” shall move full stroke within 20 seconds.

e. Multi-section dampers with electronic actuators shall be arranged so that each damper section operates individually. One electronic actuator shall be direct shaft mounted per section. No connecting rods and stand-off brackets shall be necessary.

f. The Contractor shall warranty the damper actuator for a period of 2 years from the date of final acceptance of the project.

3. Electronic valve actuators:

a. Electronic valve actuators shall be manufactured by the valve manufacturer or Belimo Air Controls. Each actuator shall have current limiting circuitry incorporated in its design to prevent damage to the actuator.

b. Provide modulating and two-position actuators as required by the sequence of operation. Actuators shall provide the minimum torque required for proper valve close-off against the system pressure for the required application. Size valve actuator based on valve manufacturer’s recommendations for flow and pressure differential. All actuators shall fail in the last position unless specified with mechanical spring return operation. The spring return feature shall permit normally open or normally closed positions of the valves as required. All direct shaft mount rotational actuators shall have external adjustable stops to limit the travel in either direction. All non spring return actuators shall have a gear release to allow manual positioning. All valve actuators shall have a visual position indicator.

c. Modulating actuators shall accept 24 vac or vdc and 120 vac power supply and be UL listed. Control signal shall be 2-10 vdc or 4-20 mA and actuator shall provide a clamp position feedback signal of 2-10 vdc. Feedback signal shall be independent of the input signal and may be used to parallel other actuators and provide true position indication. The feedback signal of each valve actuator (except terminal valves) shall be wired back to a terminal strip in the control panel for trouble-shooting purposes.

d. Two-position or open/closed actuators shall accept 24 or 120 vac power supply and be UL listed.

e. The manufacturer shall warranty the valve actuator for a period of 2 years from the date of final project acceptance.

B. Control dampers:

1. The Contractor shall furnish all automatic dampers. All automatic dampers shall be sized as indicated on the Drawings. Contractor is to verify the required size.

2. All dampers used for throttling air flow shall be of the opposed blade type arranged for normally open or normally closed operation as required. The damper is to be sized so that

when wide open the pressure drop is a sufficient amount of its close-off pressure drop to shift the characteristic curve to near linear.

3. All dampers used for two-position open/close control shall be parallel blade type arranged for normally open or closed operation as required.
4. Damper construction shall comply to the following:
   a. Damper frames shall be 0.080" minimum thickness aluminum and no less than 4" wide. Factory stiffening bars shall be provided for any section exceeding 48" in height.
   b. Damper blades shall be heavy gauge 6063T5 extruded aluminum air foil with a blade width not to exceed 6". Maximum blade length in any section shall not exceed 60".
   c. Damper bearings shall be dual-bearing type with inner bearings made of Celcon and outer bearings made of polycarbonate. This bearing system shall be maintenance-free, require no lubrication and require minimal operating torque.
   d. Damper linkage hardware shall be constructed of aluminum and corrosion resistant zinc & nickel plated steel. Linkage shall be exposed on the frame side for inspection and service. Linkage concealed in the damper frame after installation is not acceptable. Damper drive pin shall be hex shaped and a provide flat-on-flat connection to the drive blade and crank arm. Drive pin shall extend into drive blade at least 8". Provide 24" drive pin for blades longer than 30" and subjected to 4" or more static pressure. Provide 36" drive pin for 44" long blades with a 4" static pressure.
   e. Damper blade and side seals shall be of the following materials:
      1) Exterior dampers in contact with the outdoors (OA & EA) shall have silicon blade and side seals to maintain flexibility in cold weather. The leakage rate increase at -10 deg. F. shall be less than 12% from the AMCA Std. 500 rating (50-104 deg. F.).
      2) Interior dampers (RA) shall have EPDM blade seals and TPE side seals. Damper of 48"x48" size shall not leak in excess of 4 cfm per square foot when closed against 4" w.g. static pressure when tested in accordance with AMCA Std. 500.

   f. Manufacturer shall supply alignment plates for all multi-section dampers.
   g. Acceptable manufacturers are or similar to Tamco Series 1500, Ruskin, West Vent, or Maxam.

5. Damper mounting arrangements shall comply to the following paragraphs when provided with electronic actuators.
   a. Multi-section dampers with electronic actuators shall be arranged so that each damper section operates individually. One electronic actuator shall be direct shaft mounted per section. Size damper sections based on actuator manufacturer's specific recommendations for face velocity, differential pressure and damper type. In general, damper section with a face velocity of 1500 fpm or less shall not exceed 24 sq. ft. Damper section with a face velocity of no more than 2500 fpm shall not exceed 18 sq. ft. Damper section with a face velocity of no more than 3000 fpm shall not exceed 13 sq. ft.
   b. Multiple section dampers of two or less sections wide shall be arranged to allow actuators to be direct shaft mounted on the outside of the duct.
   c. Multiple section dampers of three or more sections wide shall be arranged with a 3-sided vertical channel (8" W x 6" D) within the duct or fan housing and between adjacent vertical damper sections. Vertical channel shall be anchored at the top and bottom to the fan housing or building structure for support. The sides of each damper frame shall be connected to the channels. Holes in the channel shall allow damper drive blade shafts to pass through channel for direct shaft mounting of actuators. Open side of channel shall be faced downstream of the air flow, except for exhaust air dampers.
   d. Multiple section dampers to be mounted flush within a wall or housing opening shall receive either vertical channel supports as described above or sheet metal stand-out

collars. Sheet metal collars (12" minimum) shall bring each damper section out of the wall to allow direct shaft mounting of the actuator on the side of the collar.

e. It shall be the responsibility of the Contractor to furnish the dampers and coordinate specific damper support and collar requirements. The Contractor shall furnish and install damper channel supports and sheet metal collars. No jack shafting of damper sections shall be allowed.

C. Damper Position Indicators

1. Potentiometer mounted in enclosure with adjustable crank arm assembly connected to damper to transmit 0 - 100 percent damper travel.

D. Control Relays

1. Control pilot relays:
   a. Control pilot relays shall be of a modular plug-in design with retaining springs or clips.
   b. Mounting bases shall be snap-mount.
   c. Provide DPDT, 3PDT or 4PDT relays as appropriate for application. Relays shall have one spare SPDT set of contacts.
   d. Contacts shall be rated for 10 amps at 120VAC.
   e. Wire Size: 2-#12 AWG per terminal
   f. Terminal: M3.5 screws with captive wire clamp
   g. Relays shall have an integral indicator light and check button.

2.4 MISCELLANEOUS ITEMS:

A. Power Supplies

1. DC power supplies:
   a. DC power supplies shall be sized for the connected device load. Total rated load shall not exceed 75% of the rated capacity of the power supply.
   b. Minimum performance requirements:
      1) Input: 120 vac $\pm$10%, 60 Hz
      2) Output: 24 vdc
      3) Line Regulation: $\pm$0.05% for 10% line change
      4) Load Regulation: $\pm$0.05% for 50% load change
      5) Ripple and Noise: 1 mV rms, 5 mV peak to peak
   c. Provide an appropriately sized fuse and fuse block located next to power supply.
   d. Provide power disconnect switch next to power supply.

B. Control Transformers:

1. Control transformers shall be UL listed. Furnish Class 2 current-limiting type or furnish over-current protection in both primary and secondary circuits for class 2 service in accordance with NEC requirements. Limit connected loads to 80% of rated capacity.

C. KW TRANSDUCER

1. KW transducer shall be used in simple power monitoring applications. Transducers shall meet the following criteria.
   a. Materials: Encased copper
   b. Rating: 600 VAC
   c. Mounting: Split Core
   d. Range: Up to 2400amps

e. Accuracy: +/- 1%
f. Output: 4-20mA

D. ELECTRICAL POWER TRANSDUCER

1. Electrical power transducer shall be used in simple power monitoring applications. Transducers shall meet the following criteria.
   a. On three-phase applications, measure voltage and amperage on all three phases.
   b. Operating Voltage Range: 80% - 120% of nominal
   c. Power Line Frequency Range: 45 to 60 Hz
   d. Amperage Rating: Based on circuit(s) being monitored
   e. CT Mounting: Split Core
   f. Accuracy: +/- 1%
   g. Operating Temperature Range: 32°F to 140°F
   h. Operating Relative Humidity: 0-(95)% non-condensing
   i. Output Type: LonWorks or Modbus networked
   j. Power: Line Powered

2. Quantities Measured:
   a. kWh – Totalized Energy Consumption
   b. kW - Real Power
   c. kVAR – Reactive Power
   d. kVA – Apparent Power
   e. Power Factor
   f. Voltage – line-to-line
   g. Voltage – line-to-neutral
   h. Amperage – Average
   i. Frequency

3. Acceptable Manufacturers/Model:
   a. CCS – WattNode Plus
   b. Veris – Enercept Enhanced Data Stream Power Transducer

E. CURRENT TRANSFORMERS (CT)

1. The current transformers shall be designed to be installed or removed without dismantling the primary bus or cables. The transformer shall be of a split core design.
   a. The core and windings shall be completely encased in a UL approved thermoplastic rated 94VA. No metal parts shall be exposed other than the terminals.
   b. The current transformers shall meet the following specifications:
      1) Frequency Limits: 50 to 400 Hz.
      2) Insulation: 0.6 KV Class, 10 KV BIL.
      3) Accuracy: 1% at 10% to 130% of rated current.
      4) Range 1-10 Amps minimum, 20-200 amps maximum
      5) Trip Point adjustable
      6) Output 0-5 VDC
   c. Provide a disconnect switch for each current transformer.
   d. Protection: 250 A max current.
   e. Acceptable Manufacturers: Ohio, Semitronics Technologies Inc., Triad Technologies, EMON, Hawkeye, Continental Control Systems

F. Surge Protectors

1. Data line surge protectors:

a. Data line surge protectors shall be provided on all voice grade phone lines. Connection shall be by RJ11 terminations.
b. Minimum performance requirements:
1) DC Break Over Voltage: 210-265 volts
2) Standoff Voltage (minimum): ± 180 volts
3) Leakage Current (max @ 60 Hz): 10 micro amps
4) Holding Current (minimum): 150 mA
5) Peak On-State Voltage: 3 Volts
6) Response Time: 1 nanosecond
7) Capacitance: Less than 100 pf
8) Over-Current Limiting: Per UL 497A

2. Power line surge protectors:
a. Power line surge protectors shall be provided for each DDC system controller which does not provide integral surge suppression meeting the minimum performance as specified herein.
b. Power line surge protectors shall be solid state and shall be designed to protect electronic equipment form unwanted surges and spikes that may be present on the power input lines.
c. Minimum performance requirements:
1) Continuous Current Rating: 15 amps
2) Max Single Pulse Transient Current: 6500 amps
3) Max Energy Handling Rating: 240 joules.
4) Response Time: Less than 5 nanoseconds
5) Peak Pass-through Voltage: Normal Mode: 425 volts at 3000 amps, Common Mode: 400 volts at 3000 amps
6) Nominal Operating Voltage: 120 vac single phase, three wire (L,N,G)
7) UL Suppression Rating: 500 Volts

d. Protector shall have an integral indicator light which shall be illuminated when operational.

G. Control Panels

1. Identify all panel locations in the submittals for review prior to installation.
2. Unitized cabinet type for each system under automatic control with relays and controls mounted in cabinet and temperature indicators, pressure gages, pilot lights, push buttons and switches flush on cabinet panel face.
3. Each control panel shall have a network hub that allows an operator with approved security codes a direct communication link to the Primary LAN through the use of a portable computer. This connection will be available at speed of no less than 10 megabaud.
4. Provide a primary means of service disconnect at each panel. Service disconnect shall be made vandal proof by means of a keyed disconnect. Keyed disconnects shall be the same for all panels. Turn over to the Commissioner 10 keys upon project close-out.
5. A utility outlet shall be provided at each control panel. Outlet shall be marked as “Temperature Control Use Only”.
6. Each control panel shall have a LCD display that allows the operator to view system data without the use of a portable or other network device. All data associated within the control panel shall be viewable at the device. Should the operator wish to modify a set-point, the operator shall be able to do so through the LCD display without alternative communication equipment with the use of an approved security clearance at the device.
7. NEMA 250, general purpose utility enclosures with enameled finished face panel shall be provided.
8. Where panels are not wall mounted, provide floor stand made of "Unistrut" securely braced, anchored, and free from vibration.

9. Instruments shall be identified with plastic laminates with edge block lettering.

F. FAN POWERED VAV, VAV BOX AND CAV BOX CONTROLLERS:

1. FPB, VAV boxes shall be furnished and installed under specification Division 15 Section 15840.
2. Direct digital controller and actuator shall be furnished under this section and mounted on FPB, VAV and CAV boxes under specification Division 15 Section 15950.
3. Contractor shall provide the controllers, actuators, sensors and miscellaneous hardware necessary to ensure a complete functional system. The components shall be supplied to the box manufacture in sufficient time to ensure factory installation and wiring of all devices. The factory installation of the BAS components shall not interfere with the timely delivery of the boxes.

G. VARIABLE FREQUENCY DRIVES:

1. Provide variable frequency drives (VFDs) for variable air volume fans and pumps as shown on plans and schedules.
2. See Specification Section 15965 for specification of variable frequency drives.

PART 3 - EXECUTION:

3.1 INSTALLATION:

A. Alarm System

1. Provide alarm panel with individual indication, horn, silenced acknowledge switch, and test switch.
2. At any alarm condition indication light will flash and alarm will sound. Stop horn by depressing acknowledge switch and indicate alarm conditions by a continuous light until trouble condition has cleared. Sound alarm again should second alarm occur before first one has cleared.
3. Provide dry contacts at main alarm panel for use by independent alarm monitoring company to indicate each alarm condition.

B. Thermostats

1. Check and verify location of thermostats, humidistats and other exposed control sensors with plans and room details before installation. Locate (60 inches) above floor. Align with lighting switches.
2. Mount freeze protection thermostats using flanges and element holders.
3. Mount outdoor reset thermostats and outdoor sensors indoors, with sensing elements outdoors with sun shield.
4. Provide separable sockets for liquids and flanges for air bulb elements.
5. Provide guards on thermostats in public areas and where indicated.

C. Loose Shipped Controls / MiscellaneousDampers

1. Provide all wiring / tubing / power for loose shipped control items provided with project equipment.
2. Install per manufactrer’s requirements. Provide a complete and fully functional system.
1. Provide mixing dampers of opposed blade construction arranged to mix streams. Provide pilot positioners on mixed air damper motors. Provide separate minimum outside air damper section adjacent to return air dampers with separate damper motor.

2. Install damper motors on outside of duct in warm areas. Do not install motors in locations at outdoor temperatures.

D. Control Panels

1. Mount control panels adjacent to associated equipment on vibration- free walls or free standing angle iron supports. One cabinet may accommodate more than one system in same equipment room. Provide engraved plastic nameplates for instruments and controls inside cabinet and engraved plastic nameplates on cabinet face.
2. Install "hand/off/auto" selector switches to override automatic interlock controls when switch is in "hand" position. All HOA switches shall be mounted to the face of the control panel, labeled as to its use and provide means of operating the equipment manually if needed. No HOA switch is required when a HOA is located at the MCC for the equipment being controlled. Install HOA switches and potentiometers for override of Analog Outputs on the Panel face. Submit product data for Keyed Switches to be approved by the Commissioner.
3. Provide conduit and electrical wiring in accordance with Division 16. Electrical material and installation shall be in accordance with appropriate requirements of Division 16.

E. Control Panels

1. Mount control panels adjacent to associated equipment on vibration- free walls or free standing angle iron supports. One cabinet may accommodate more than one system in same equipment room. Provide engraved plastic nameplates for instruments and controls inside cabinet and engraved plastic nameplates on cabinet face.
2. Install "hand/off/auto" selector switches to override automatic interlock controls when switch is in "hand" position. All HOA switches shall be mounted to the face of the control panel, labeled as to its use and provide means of operating the equipment manually if needed. No HOA switch is required when a HOA is located at the MCC for the equipment being controlled. Install HOA switches and potentiometers for override of Analog Outputs on the Panel face. Submit product data for Keyed Switches to be approved by the Commissioner.
3. Provide conduit and electrical wiring in accordance with Division 16. Electrical material and installation shall be in accordance with appropriate requirements of Division 16.

3.2 ADJUSTMENT AND CALIBRATION:

A. Upon completion of installation, adjust, calibrate, and validate all controllers, damper operators, relays, valves, motors, thermostat, and other control equipment provided as work of this Section.

B. Ensure complete operation of systems, including sequence of control operation after Date of Substantial completion.

C. Demonstrate complete, operating and functioning systems to Commissioner for acceptance.

3.3 INSTRUCTIONS:

A. City's operating personnel shall be trained in the complete operation of the control systems installed for a period of three (3) eight-hour days at the project location.

B. A complete diagram of controls shall be mounted in each equipment room. The diagram shall be on high quality paper and framed behind a glass surface.

END OF SECTION 15950

GENERAL NOTES

1. THE NSMJAWA WATERMAIN IS A HIGH-PRESSURE WATERMAIN (150) PSI WHICH SERVEW 500,000 CONSUMERS IN THE NORTHWEST SUBURBS. THIS PIPE IS CRITICAL INFRASTRUCTURE WHICH HAS NO REDUNDANCY. THE 90" DIAMETER PIPE IS A STRUCTURAL ELEMENT WITH LIMITED SURFACE BEARING CAPACITY. CONSTRUCTION MAY NOT OCCUR WITHIN THE NSMJAWA EASEMENT, AND PIPE PROTECTION MUST BE IN PLACE FOR THE ENTIRETY OF THE CONSTRUCTION OPERATIONS.
2. SEE ALSO SPECIAL PROVISION 'WATER TRANSMISSION MAIN PROTECTION' FOR PROTECTION REQUIREMENTS.
3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN FOR THE DURATION OF THE CONTRACT TEMPORARY CONSTRUCTION FENCE AT 15' FROM EITHER SIDE OF CENTERLINE OF NSMJAWA 90-INCH HIGH PRESSURE WATER MAIN. TEMPORARY CONSTRUCTION FENCE CAN BE TEMPORARILY REMOVED ONLY FOR GRADING AND LANDSCAPING IN THE EASEMENT, AND IN ACCORDANCE WITH A WORK PLAN PREPARED BY CONTRACTOR AND REVIEWED/APPROVED BY NSMJAWA.
4. THE CONTRACTOR SHALL USE EQUIPMENT LIGHTER THAN 17,500 LB IN THE JAWA EASEMENT. ONLY DRILL FENCE POST TYPE FOUNDATIONS ARE ALLOWED WITHIN 15 FEET OF WATER PIPE.
5. CONSTRUCTION EQUIPMENT WILL NOT BE ALLOWED TO OPERATE IN THE NSMJAWA WATERMAIN PROTECTION ZONE, AND EQUIPMENT AND MATERIAL MAY NOT BE STORED OR STAGED IN THE WATERMAIN PROTECTION ZONE.
6. CONSTRUCTION EQUIPMENT MAY NOT CROSS THE NSMJAWA EASEMENT WITHOUT A STRUCTURAL ANALYSIS PREPARED BY CONTRACTOR SUBMITTED TO AND APPROVED BY NSMJAWA WHICH INDICATES PIPE BEARING CAPACITY WILL NOT BE EXCEEDED.
7. CONSTRUCTION OPERATIONS MAY NOT INCLUDE VIBRATORY FORCES, SUCH AS PILE OR SHEET DRIVING.

MWRDGC GENERAL NOTES

2

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS.
   - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   - THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   - IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. THE CITY OF DES PLAINES ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

C. GENERAL NOTES

1. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNERS REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
2. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
3. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT, THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
4. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
5. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
6. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
7. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
8. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
9. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
9. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

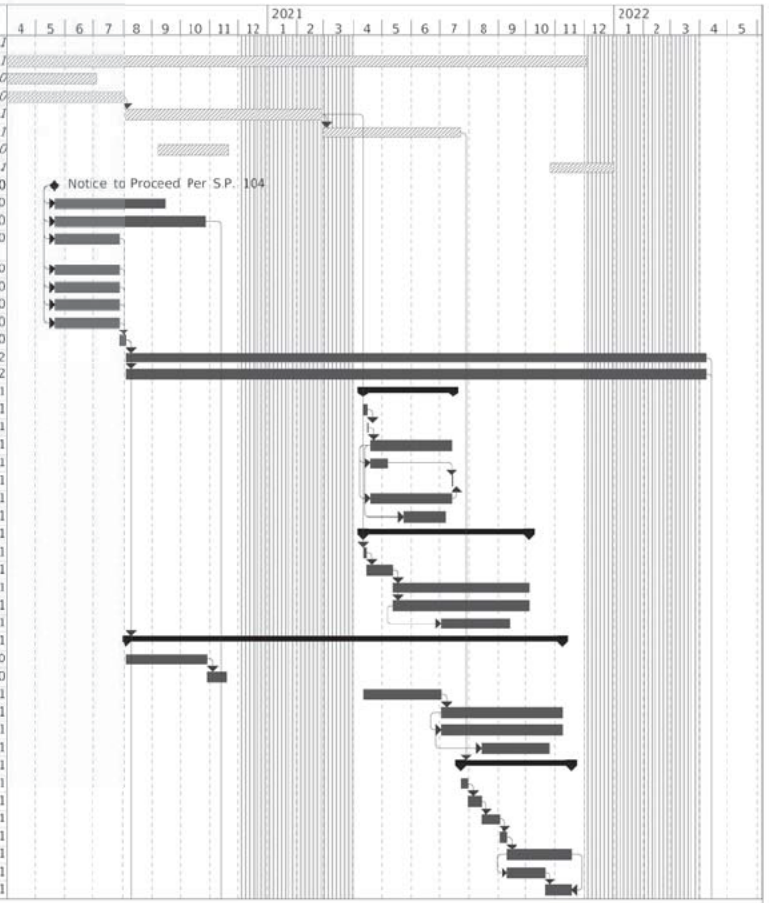
PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
    a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
    c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES, FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
13. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
15. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
16. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS, CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

ID	Task Name	Duration	Start	Finish
1	*Work By Others (NOTE: Tentative Work Restriction Dates For Information Only)*	*576.75 days*	*9/26/2019*	*12/31/2021*
2	*Contract N02 Construction (Location 7 & 8 Work Restriction)*	*558 days*	*9/26/2019*	*12/3/2021*
3	*ComEd Utility Relocation (Location 1 & 2 Work Restriction)*	*150 days*	*12/4/2019*	*7/3/2020*
4	*Shell Utility Relocation (Location 4 Work Restriction)*	*107.5 days*	*3/2/2020*	*7/31/2020*
5	*BP Utility Relocation (Location 1, 2 & 4 Work Restriction)*	*144 days*	*8/3/2020*	*2/26/2021*
6	*West Shore Utility Relocation (Location 4 Work Restriction)*	*103 days*	*3/1/2021*	*7/23/2021*
7	*Runway 9C Commissioning (Location 1 Work Restriction)*	*54 days*	*9/8/2020*	*11/20/2020*
8	*Runway 3R Extension Commissioning (Location 1 Work Restriction)*	*45 days*	*10/26/2021*	*12/31/2021*
9	Notice to Proceed Per S.P. 104	0 days	5/21/2020	5/21/2020
10	MSE Wall and 3-Sided Structure Procurement & Fabrication	80 days	5/21/2020	9/15/2020
11	K9 Building Material Procurement	110 days	5/21/2020	10/27/2020
12	IDOT, Cook County, DuPage County, Elk Grove Village, City of Des Plaines, & CDOT OUC Permits	45 days	5/21/2020	7/27/2020
13	UPRR Access Approvals	45 days	5/21/2020	7/27/2020
14	NOI and Permitting Submittals	45 days	5/21/2020	7/27/2020
15	CDA Dig Book and Access Approvals	45 days	5/21/2020	7/27/2020
16	FAA 7460 Submittal and Safety Plan Compliance Document	45 days	5/21/2020	7/27/2020
17	Mobilization	7 days	7/27/2020	8/5/2020
18	Haul Road Maintenance & Maintenance of Traffic	424 days	8/5/2020	4/7/2022
19	Erosion and Sediment Control & Permanent Landscaping	424 days	8/5/2020	4/7/2022
20	Location 1	67 days	4/12/2021	7/15/2021
21	Construct S. Haul Road	4 days	4/12/2021	4/15/2021
22	Site Clearing	1 day	4/16/2021	4/16/2021
23	Earthwork and Pond Construction	60 days	4/19/2021	7/13/2021
24	Construct 3-Sided Structure	15 days	4/19/2021	5/7/2021
25	Construct S. FAA Access Road	2 days	7/13/2021	7/15/2021
26	MSE Retaining Wall Construction	60 days	4/19/2021	7/13/2021
27	Construct Drainage System	30 days	5/24/2021	7/6/2021
28	Location 2	123 days	4/12/2021	10/4/2021
29	Maintain Construction Access Points & Construct Tollway Access Road	3 days	4/12/2021	4/14/2021
30	Topsoil Stripping and Stockpiling	20 days	4/15/2021	5/12/2021
31	Earthwork and Pond Construction	100 days	5/13/2021	10/4/2021
32	MSE Retaining Wall Construction	100 days	5/13/2021	10/4/2021
33	Construct Drainage System (Pipe Jacking, Storm Sewers, etc.)	50 days	7/2/2021	9/13/2021
34	Location 3	319.5 days	8/5/2020	11/8/2021
35	Building Demolition & Site Clearing	60 days	8/5/2020	10/29/2020
36	Removal and Disposal of Non-Special Waste	15 days	10/29/2020	11/19/2020
37	Removal and Disposal of Unsuitable Material & Backfill	58 days	4/12/2021	7/2/2021
38	Earthwork and Pond Construction	90 days	7/2/2021	11/8/2021
39	MSE Retaining Wall Construction	90 days	7/2/2021	11/8/2021
40	Construct Drainage System (Pipe Jacking, Storm Sewers, etc.)	50 days	8/13/2021	10/25/2021
41	Location 4	82 days	7/23/2021	11/17/2021
42	Construct N. Haul Road & N. FAA Access Road	5 days	7/23/2021	7/30/2021
43	Site Clearing	10 days	7/30/2021	8/13/2021
44	Removal and Disposal of Unsuitable Material	14 days	8/13/2021	9/2/2021
45	Topsoil Stripping and Stockpiling	5 days	9/2/2021	9/10/2021
46	Rogers Pond & Groot Pond Dewatering	48 days	9/10/2021	11/17/2021
47	Construct Drainage System (Pipe Jacking, Junction Chambers, etc.)	28 days	9/10/2021	10/20/2021
48	Earthwork and Pond Construction	20 days	10/20/2021	11/17/2021



Project: I-18-4704

Task — Summary — Work Restriction (Work By Others)

Milestone — Summary (Work By Others) — Winter Period (Permissible Activities Only)

1. THIS IS ONLY A SUGGESTED PROJECT SCHEDULE AND IS NOT TO BE CONSIDERED THE PROGRESS SCHEDULE AS REQUIRED IN TOLLWAY SUPPLEMENTAL SPECIFICATIONS ARTICLE 108.02. THE INTENT OF THIS SUGGESTED PROGRESS SCHEDULE IS TO ILLUSTRATE THE WORK CAN REASONABLY BE PERFORMED WITHIN THE SUGGESTED SCHEDULE DURATION.
2. IF ANY DISCREPANCIES EXIST BETWEEN THIS SUGGESTED PROGRESS SCHEDULE AND THE SPECIFICATIONS, SPECIAL PROVISIONS OR OTHER CONTRACT DRAWINGS, THE SPECIFICATIONS, SPECIAL PROVISIONS OR OTHER CONTRACT DRAWINGS SHALL GOVERN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MANPOWER AND EQUIPMENT TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
4. THE SEQUENCE OF WORK DESCRIBED IN THE CONTRACTOR'S BASELINE PROGRESS SCHEDULE SHALL DESCRIBE THE PROGRESSION OF WORK ASSUMING THAT UTILITY RELOCATION WORK IN SPECIFIED LOCATIONS WILL NOT BE COMPLETED PRIOR TO THE DATES OF ANTICIPATED COMPLETION FOR EACH OF THE UTILITIES LISTED IN THE CONTRACT DOCUMENT AND WORK UNDER THIS CONTRACT WILL NOT BEGIN IN THOSE LOCATIONS PRIOR TO THESE DATES. (SEE SPECIAL PROVISION 106).
5. THE SEQUENCE OF THE WORK DESCRIBED IN THE CONTRACTOR'S BASELINE PROGRESS SCHEDULE SHALL DESCRIBE THE PROGRESSION OF WORK ASSUMING THAT ACCESS TO THE PROPOSED RIGHT-OF-WAY AND EASEMENTS WILL NOT BE ALLOWED PRIOR TO THE PROJECTED ACQUISITION DATE AND THAT WORK WILL NOT BEGIN IN SUCH AREAS PRIOR TO THE PROJECTED ACQUISITION DATES. (SEE SPECIAL PROVISION 118).
6. HOLIDAY PERIODS

MEMORIAL DAY	(12:00 NOON 5/22/20 TO 9:00 AM 5/26/20) AND (12:00 NOON 5/21/21 TO 9:00 AM 5/25/21)
INDEPENDENCE DAY	(12:00 NOON 7/2/20 TO 9:00 AM 7/6/20) AND (12:00 NOON 7/2/21 TO 9:00 AM 7/6/21)
LABOR DAY	(12:00 NOON 9/4/20 TO 9:00 AM 9/8/20) AND (12:00 NOON 9/3/21 TO 9:00 AM 9/7/21)
THANKSGIVING	(12:00 NOON 11/25/20 TO 9:00 AM 11/30/20) AND (12:00 NOON 11/24/21 TO 9:00 AM 11/29/21)
CHRISTMAS	(12:00 NOON 12/24/20 TO 9:00 AM 12/28/20) AND (12:00 NOON 12/24/21 TO 9:00 AM 12/27/21)
NEW YEARS	(12:00 NOON 12/31/20 TO 9:00 AM 1/4/21) AND (12:00 NOON 12/31/21 TO 9:00 AM 1/3/22)

DRAWN BY ALM DATE 10/16/2019
CHECKED BY JRS DATE 10/18/2019

RS&H

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

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM NO. 2

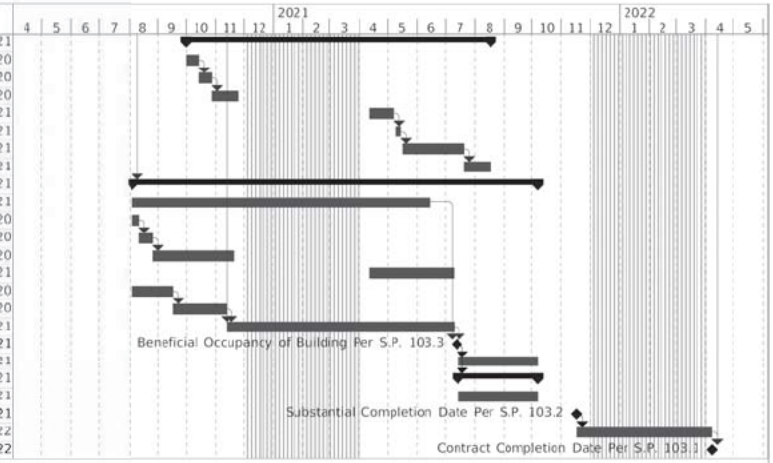
CONTRACT NO. I-18-4704

SUGGESTED PROGRESS SCHEDULE

SHT G-09

DRAWING NO. 12 OF 635

ID	Task Name	Duration	Start	Finish
49	Location 5 & 6	222.25 days	10/1/2020	8/17/2021
50	Old Higgins Road Pavement Removal & Site Clearing	10 days	10/1/2020	10/14/2020
51	Topsoil Stripping and Stockpiling	9 days	10/15/2020	10/27/2020
52	Old Higgins Road Watermain Removal & Relocation	20 days	10/28/2020	11/24/2020
53	Old Higgins Road Construction	20 days	4/12/2021	5/7/2021
54	Construct N. Haul Road and N. FAA Access Road	5 days	5/10/2021	5/14/2021
55	Construct Drainage System	45 days	5/17/2021	7/20/2021
56	Earthwork and Pond Construction	20 days	7/20/2021	8/17/2021
57	Location 8	297 days	8/5/2020	10/7/2021
58	Installation of Underground Building Utilities	216 days	8/5/2020	6/14/2021
59	Install Construction Access on Touhy Ave	5 days	8/5/2020	8/12/2020
60	Site Clearing and Grading	10 days	8/12/2020	8/26/2020
61	Parking Lot Construction	61 days	8/26/2020	11/20/2020
62	Parking Lot Construction	63 days	4/12/2021	7/9/2021
63	Shop Drawing Submittal	30 days	8/5/2020	9/17/2020
64	Building Foundation Construction	40 days	9/17/2020	11/12/2020
65	Building Construction	165 days	11/12/2020	7/9/2021
66	Beneficial Occupancy of Building Per S.P. 103.3	0 days	7/12/2021	7/12/2021
67	Building Commissioning	60 days	7/14/2021	10/7/2021
68	Location 7	60 days	7/14/2021	10/7/2021
69	Site Clearing and Building Demolition	60 days	7/14/2021	10/7/2021
70	Substantial Completion Date Per S.P. 103.2	0 days	11/17/2021	11/17/2021
71	Maintenance and Punchlist	98 days	11/17/2021	4/7/2022
72	Contract Completion Date Per S.P. 103.1	0 days	4/8/2022	4/8/2022



Project: I-18-4704

Task — Summary — Work Restriction (Work By Others)

Milestone — Summary (Work By Others) — Winter Period (Permissible Activities Only)

1. THIS IS ONLY A SUGGESTED PROJECT SCHEDULE AND IS NOT TO BE CONSIDERED THE PROGRESS SCHEDULE AS REQUIRED IN TOLLWAY SUPPLEMENTAL SPECIFICATIONS ARTICLE 108.02. THE INTENT OF THIS SUGGESTED PROGRESS SCHEDULE IS TO ILLUSTRATE THE WORK CAN REASONABLY BE PERFORMED WITHIN THE SUGGESTED SCHEDULE DURATION.
2. IF ANY DISCREPANCIES EXIST BETWEEN THIS SUGGESTED PROGRESS SCHEDULE AND THE SPECIFICATIONS, SPECIAL PROVISIONS OR OTHER CONTRACT DRAWINGS, THE SPECIFICATIONS, SPECIAL PROVISIONS OR OTHER CONTRACT DRAWINGS SHALL GOVERN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MANPOWER AND EQUIPMENT TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
4. THE SEQUENCE OF WORK DESCRIBED IN THE CONTRACTOR'S BASELINE PROGRESS SCHEDULE SHALL DESCRIBE THE PROGRESSION OF WORK ASSUMING THAT UTILITY RELOCATION WORK IN SPECIFIED LOCATIONS WILL NOT BE COMPLETED PRIOR TO THE DATES OF ANTICIPATED COMPLETION FOR EACH OF THE UTILITIES LISTED IN THE CONTRACT DOCUMENT AND WORK UNDER THIS CONTRACT WILL NOT BEGIN IN THOSE LOCATIONS PRIOR TO THESE DATES. (SEE SPECIAL PROVISION 106).
5. THE SEQUENCE OF THE WORK DESCRIBED IN THE CONTRACTOR'S BASELINE PROGRESS SCHEDULE SHALL DESCRIBE THE PROGRESSION OF WORK ASSUMING THAT ACCESS TO THE PROPOSED RIGHT-OF-WAY AND EASEMENTS WILL NOT BE ALLOWED PRIOR TO THE PROJECTED ACQUISITION DATE AND THAT WORK WILL NOT BEGIN IN SUCH AREAS PRIOR TO THE PROJECTED ACQUISITION DATES. (SEE SPECIAL PROVISION 118).
6. HOLIDAY PERIODS

MEMORIAL DAY	(12:00 NOON 5/22/20 TO 9:00 AM 5/26/20) AND (12:00 NOON 5/21/21 TO 9:00 AM 5/25/21)
INDEPENDENCE DAY	(12:00 NOON 7/2/20 TO 9:00 AM 7/6/20) AND (12:00 NOON 7/2/21 TO 9:00 AM 7/6/21)
LABOR DAY	(12:00 NOON 9/4/20 TO 9:00 AM 9/8/20) AND (12:00 NOON 9/3/21 TO 9:00 AM 9/7/21)
THANKSGIVING	(12:00 NOON 11/25/20 TO 9:00 AM 11/30/20) AND (12:00 NOON 11/24/21 TO 9:00 AM 11/29/21)
CHRISTMAS	(12:00 NOON 12/24/20 TO 9:00 AM 12/28/20) AND (12:00 NOON 12/24/21 TO 9:00 AM 12/27/21)
NEW YEARS	(12:00 NOON 12/31/20 TO 9:00 AM 1/4/21) AND (12:00 NOON 12/31/21 TO 9:00 AM 1/3/22)

DRAWN BY ALM DATE 10/16/2019
CHECKED BY JRS DATE 10/18/2019

RS&H

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

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM NO. 2

CONTRACT NO. I-18-4704

SUGGESTED PROGRESS SCHEDULE

SHT G-10

DRAWING NO. 13 OF 635

EARTHWORK SCHEDULE OF QUANTITIES

LOCATION	STATION	20200100 EARTH EXCAVATION CU YD	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU YD	66900200 NON-SPECIAL WASTE DISPOSAL CU YD	50200100 [1] STRUCTURE EXCAVATION CU YD	UTILITY SPOILS CU YD	ADJUST FOR SHRINKAGE (10%) CU YD	FILL CU YD	[2] EARTHWORK BALANCE (EXCESS (+) / SHORTAGE (-)) CU YD	20400800 [3] FURNISHED EXCAVATION CU YD
1	1219+00 TO 1231+30	124,970	0	0	2,177	0	112,473	72,866	39,607	0
2	1235+60 TO 1246+50	15,546	0	0	4,947	665	14,590	151,316	-136,726	104,282
3	1248+00 TO 1258+80	47,838	46,162	14,196	11,551	0	30,278	157,251	-126,972	9,062
4	1261+50 TO 1272+75	77,475	6,934	0	0	1,191	70,799	6,496	32,444	0
5	1273+75 TO 1294+00	139,696	0	0	85	5,967	131,173	100	72,045	0
6	1273+75 TO 1294+00	0	0	0	0	903	813	0	447	0
7	K9 Demolition	0	0	0	0	0	0	0	0	0
8	Proposed K9 Building	10,144	0	0	0	2,925	11,762	5,951	5,811	0
TOTAL		415,669	53,096	14,196	18,760					113,344

2 2

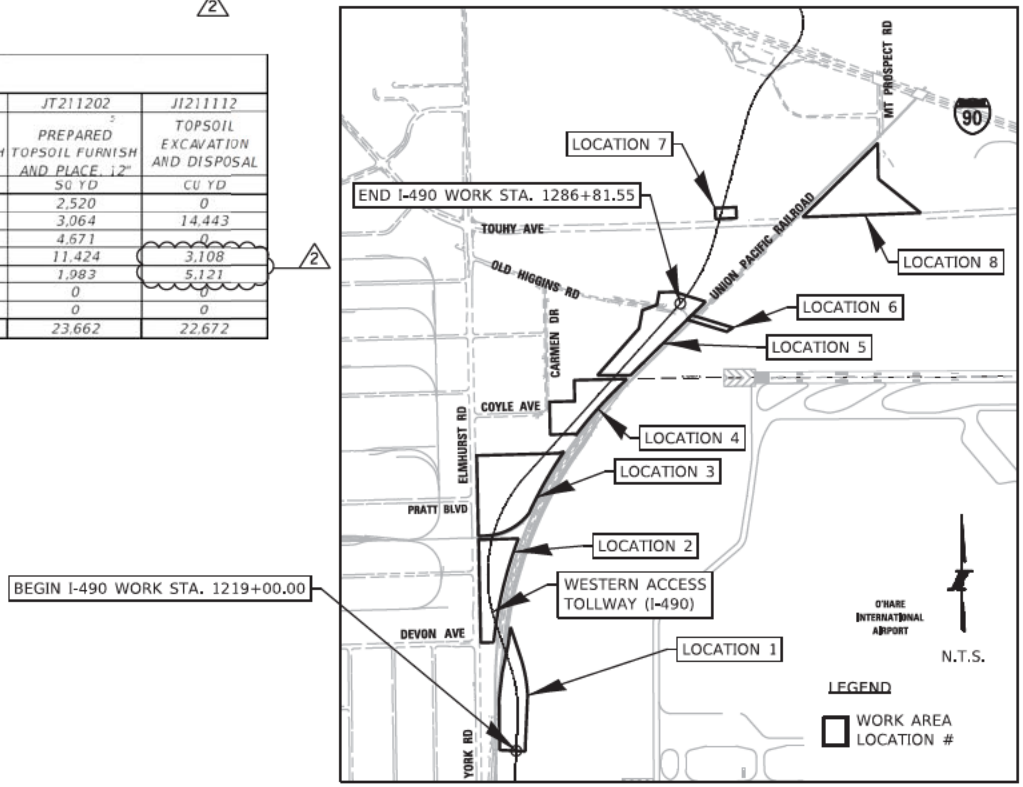
TOPSOIL PLACEMENT SCHEDULE

LOCATION	STATION	TOPSOIL STRIPPING CU YD	PROPOSED TOPSOIL CU YD	TOPSOIL BALANCE (EXCESS (+) / SHORTAGE (-)) CU YD	JI211110 TOPSOIL EXCAVATION AND PLACEMENT CU YD	X2111110 [4] TOPSOIL PLACEMENT CU YD	JT211200 [5] PREPARED TOPSOIL FURNISH AND PLACE, 8" SQ YD	JT211202 [5] PREPARED TOPSOIL FURNISH AND PLACE, 12" SQ YD	JI211112 TOPSOIL EXCAVATION AND DISPOSAL CU YD
1	1219+00 TO 1231+30	0	3156	-3156	0	3,156	0	2,520	0
2	1235+60 TO 1246+50	19256	4404	14852	4,404	0	0	3,064	14,443
3	1248+00 TO 1258+80	0	6370	-6370	1,026	5,344	0	4,671	0
4	1261+50 TO 1272+75	7612	2980	4632	2,980	0	0	11,424	3,108
5	1273+75 TO 1294+00	14044	6580	7464	6,580	0	0	1,983	5,121
6	1273+75 TO 1294+00	907	907	0	907	0	0	0	0
8		6519	6519	0	6,519	0	692	0	0
TOTAL					22,416	8,500	692	23,662	22,672

2 2

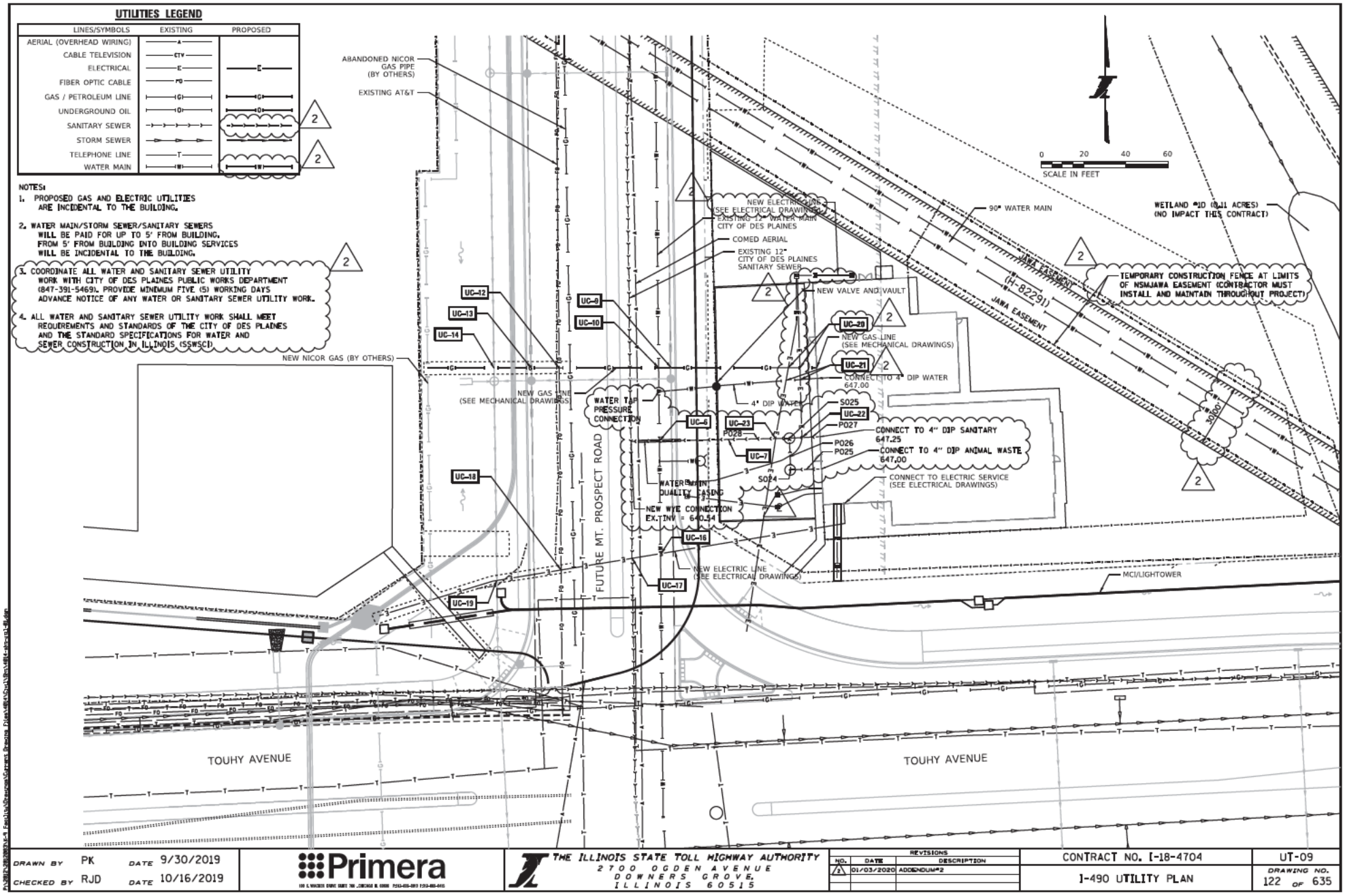
NOTES

1. STRUCTURE EXCAVATION IN LOCATIONS 1, 2, AND 3 ARE NOT INCLUDED IN THE EARTHWORK BALANCE, AS IT IS ASSUMED THIS IS NOT CLASSIFIED AS ZONE A EMBANKMENT MATERIAL.
2. THE EARTHWORK BALANCE FOR LOCATIONS 4 AND 5 EXCLUDE A PORTION OF THE EARTH EXCAVATION FOR THOSE LOCATIONS, AS IT IS ASSUMED NOT ALL OF THE MATERIAL WILL BE CLASSIFIED AS ZONE A EMBANKMENT.
3. ALL FURNISHED EXCAVATION SHALL COME FROM THE STOCKPILE #XX SHOWN ON THE JURISDICTION MAP.
4. MATERIAL USED FROM TOPSOIL PILES #1 AND #2 WILL BE PAID FOR AS TOPSOIL PLACEMENT.
5. PREPARED TOPSOIL FURNISH AND PLACE, 8" AND 12" IS COMPOSED OF 40% TOPSOIL PER THE SPECIFICATION. THE TOPSOIL REQUIRED FOR THIS ITEM UTILIZES QUANTITY FROM TOPSOIL STRIPPING.
6. THE EXCAVATION OF NON-SPECIAL WASTE IS INCLUDED IN THE EARTH EXCVATION VOLUME SHOWN IN LOCATION 3.



CONSTRUCTION AREA MAP

DRAWN BY MAW DATE 10/16/2019 CHECKED BY ALM DATE 10/18/2019	RS&H	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. DATE DESCRIPTION 1 01/03/2020 ADDENDUM NO. 2	CONTRACT NO. I-18-4704 EARTHWORK SCHEDULE	SHT G-17 DRAWING NO. 20 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704	UT-09
I-490 UTILITY PLAN	DRAWING NO. 122 OF 635

DRAINAGE STRUCTURE SCHEDULE

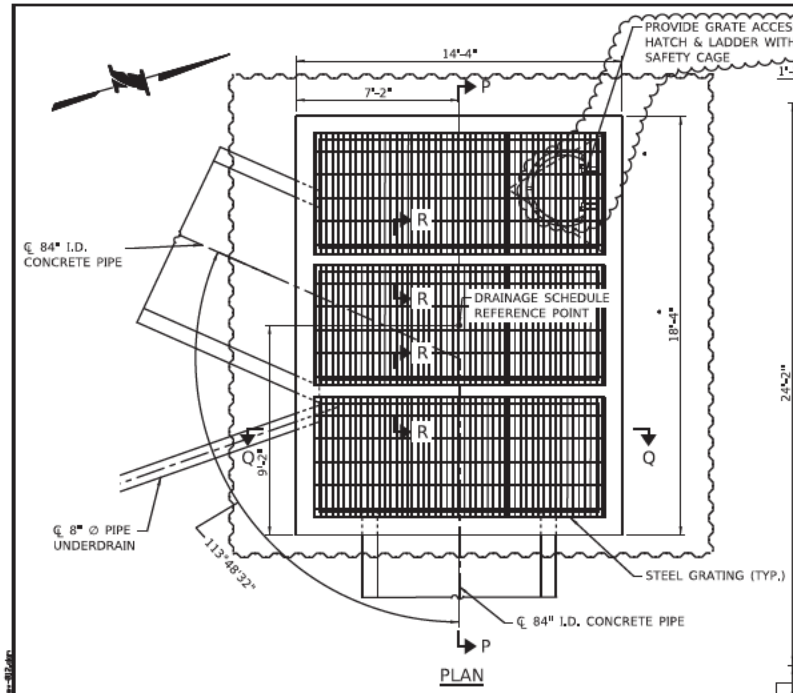
STR NO.	STATION	OFFSET		STRUCTURE TYPE	FRAME AND GRATE TYPE	PAY ITEM NUMBER	RIM ELEVATION	INVERT ELEVATIONS			
								N	S	E	W
E-02	1263+03.04	45.99	RT	MANHOLES, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, OPEN LID	60223700	663.34	656.11	656.11		
E-03	1265+00.00	30.02	RT	MANHOLES, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, OPEN LID	60224457	664.59		655.91		655.91
E-04	1265+07.13	88.97	LT	HEADWALL TYPE II, 48"	N/A	JI680011	-			655.80	
E-05	1267+12.65	203.75	LT	MANHOLES, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, OPEN LID	60222100	665.98		656.56		
E-06	1266+84.43	178.03	LT	HEADWALL TYPE III, 36", 1:3	N/A	JI680070	-		656.50		
F-01	1270+97.63	102.42	LT	JUNCTION CHAMBER 1	N/A	JI602791	662.00	652.35	652.45		
F-02	1273+93.50	101.60	LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	N/A	54213729	-	651.61			
G-01	1282+18.60	107.52	LT	JUNCTION CHAMBER 2	N/A	JI602792	660.00	639.43	650.05		
G-02	1283+94.66	125.20	LT	JUNCTION CHAMBER 3	NA	JI602793	667.00		639.02	638.98	
G-03	1284+90.00	158.80	RT	HEADWALL TYPE III, 48", 1:3	N/A	JI680072	-		653.87		
G-04	1285+32.09	155.73	RT	JUNCTION CHAMBER 4	N/A	JI602794	663.24		653.78	638.07	638.11
G-05	1285+79.68	165.52	LT	INLETS, TYPE A	TYPE 1 FRAME, OPEN LID	60234200	662.78	659.04			
G-06	1285+79.25	176.58	LT	CATCH BASINS, TYPE C	TYPE 1 FRAME, OPEN LID	60206905	662.26	658.93	658.93		

DRAINAGE PIPE SCHEDULE

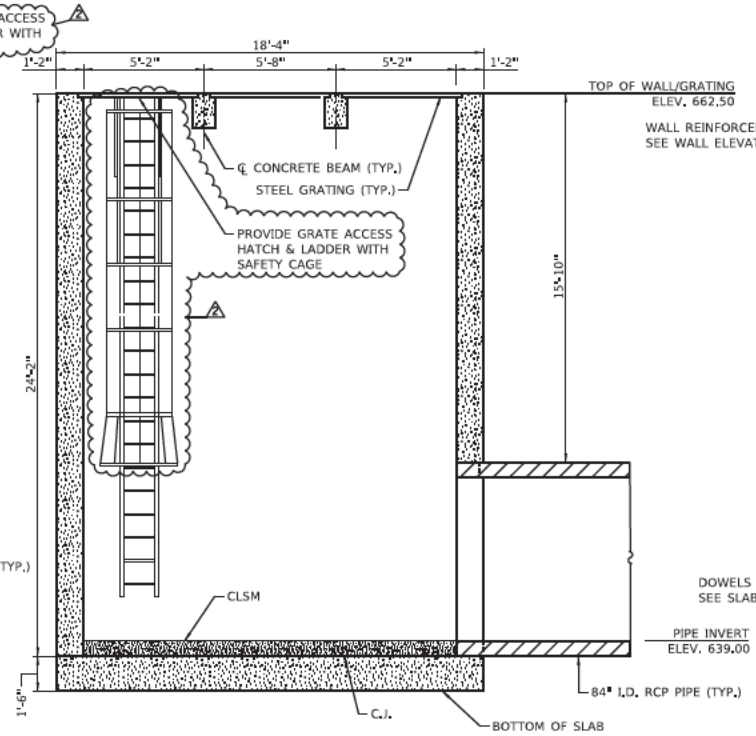
PIPE NUMBER	FROM STRUCTURE	TO STRUCTURE	DESCRIPTION	MATERIAL	INV U/S	INV D/S	SLOPE (%)	LENGTH (FT)	PAY ITEM NO.	TRENCH BACKFILL (CU YD)
E-02	E-02	E-03	STORM SEWERS, CLASS A, TYPE 2, 48"	RCP	656.11	655.91	0.10%	198	550A0480	358
E-03	E-03	E-04	STORM SEWERS, CLASS A, TYPE 2, 48"	RCP	655.91	655.80	0.10%	114	550A0480	173
E-05	E-05	E-06	STORM SEWERS, CLASS A, TYPE 2, 36"	RCP	656.56	656.50	0.21%	28	550A0450	0
F-01	F-01	F-02	STORM SEWERS, JACKED IN PLACE, 84"	STEEL	652.35	651.61	0.27%	277	55202184	0
G-01	G-01	G-02	STORM SEWERS, CLASS A, TYPE 2, 84"	RCP	639.43	639.02	0.26%	160	550A0540	0
G-02	G-02	G-04	STORM SEWERS, CLASS A, TYPE 2, 84"	RCP	638.98	638.11	0.29%	297	550A0540	1663
G-03	G-03	G-04	STORM SEWERS, CLASS A, TYPE 2, 48"	RCP	653.87	653.78	0.41%	22	550A0480	0
G-04	G-04	PIPE H-01	STORM SEWERS, JACKED IN PLACE, 84"	STEEL	638.07	637.34	0.21%	346	55202184	0
G-05	G-05	G-06	STORM SEWERS, CLASS A, TYPE 2 12"	RCP	659.04	658.93	1.00%	11	550A0340	3
G-06	G-06	EX. STR.	STORM SEWERS, CLASS A, TYPE 2 12"	RCP	658.93	658.85	1.00%	8	550A0340	3
H-01	PIPE G-03	HDW. MOD.	STORM SEWERS, CLASS A, TYPE 2, 84"	RCP	637.34	636.93	0.23%	182	550A0540	0

NOTES:

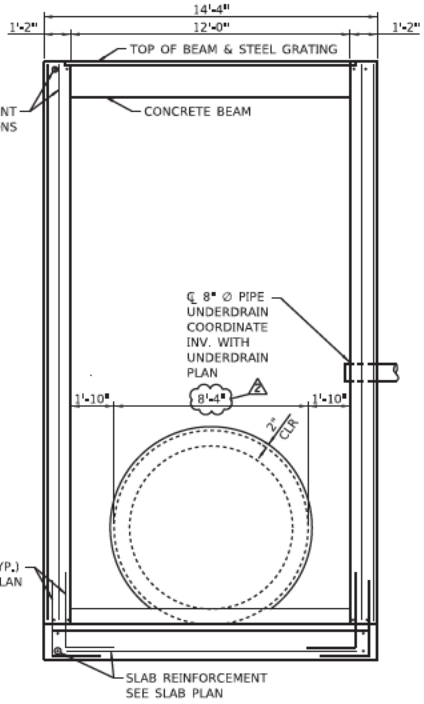
1. SEE SHEET DR-19 FOR THE REFERENCE LOCATION OF THE ABOVE LISTED STATIONS AND OFFSETS FOR VARIOUS DRAINAGE STRUCTURES.



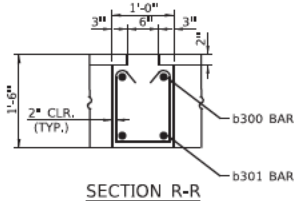
PLAN



SECTION P-P



SECTION Q-Q



SECTION R-R

BILL OF MATERIAL

PAY ITEM NO.	ITEM	UNIT	TOTAL
JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,300

ABBREVIATIONS:

B/	BOTTOM OF
C.J.	CONSTRUCTION JOINT
CLSM	CONTROLLED LOW-STRENGTH MATERIAL
EA.	EACH
ELEV.	ELEVATION
F.F	FRONT FACE
I.D.	INSIDE DIAMETER
B.F.	BACK FACE
T/	TOP OF
TYP.	TYPICAL
RCP	REINFORCED CONCRETE PIPE

NOTES:

1. SEE SHEET NO. DR-07 FOR JUNCTION CHAMBER LOCATION.
2. THE MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 4,000 PSI.
3. ALL EXPOSED CORNERS SHALL HAVE ¾" CHAMFER.
4. SEE SPECIAL PROVISION "JUNCTION CHAMBER".
5. SEE SHEET UD-03 FOR UNDERDRAIN LOCATION.

DRAWN BY SHP DATE 10/18/2019
CHECKED BY NF DATE 10/18/2019

AEG ATLAS ENGINEERING GROUP, LTD. | BURNS McDONNELL

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

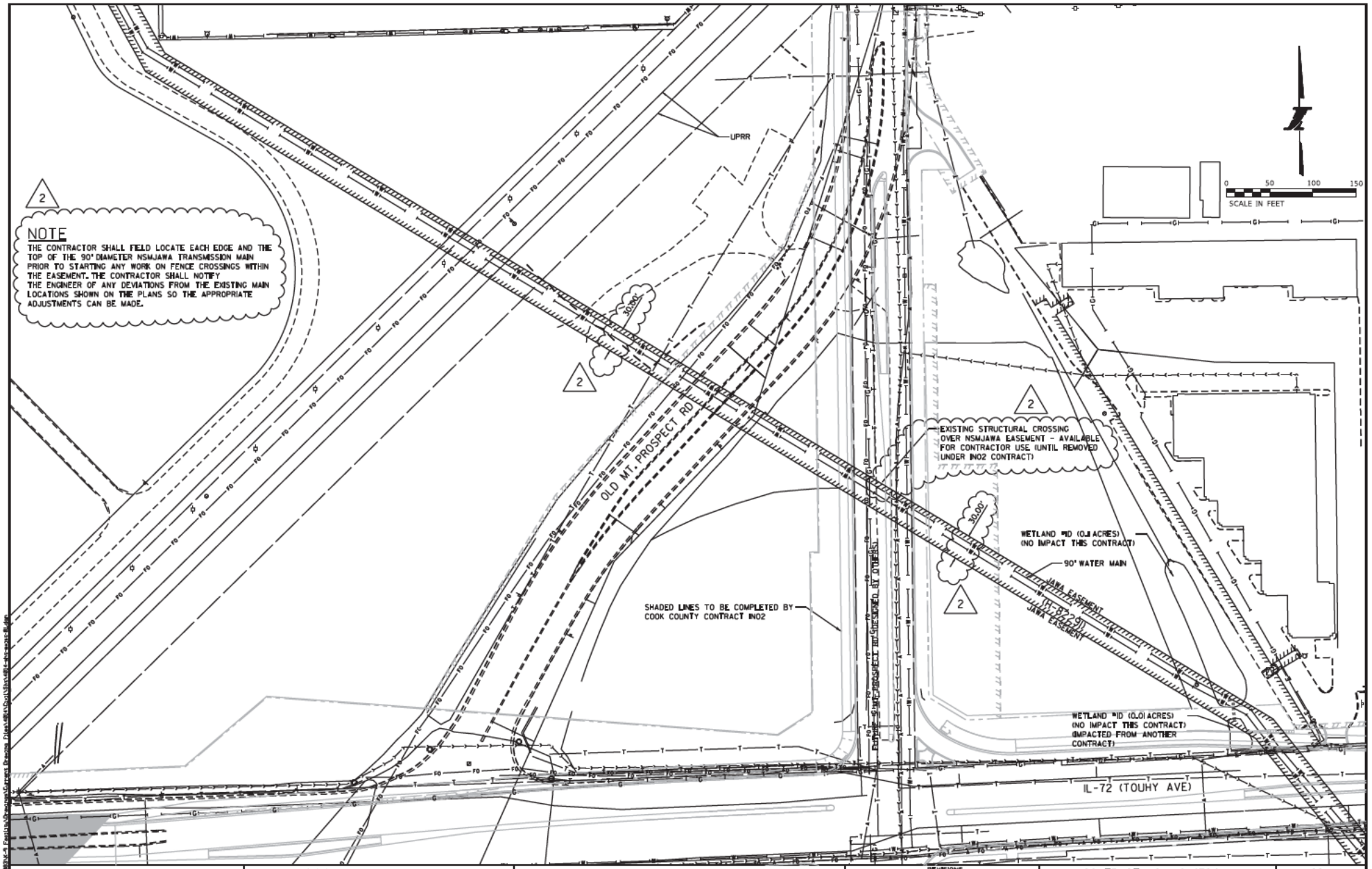
REVISIONS		
NO.	DATE	DESCRIPTION
2	1/3/2020	ADDENDUM #2

CONTRACT NO. I-18-4704

JUNCTION CHAMBER 3
PLAN AND SECTIONS

SHT S-12

DRAWING NO. 447 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CHECKED BY RJD	DATE 10/16/2019	300 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 P:312-595-9760 F:312-595-9762	2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515

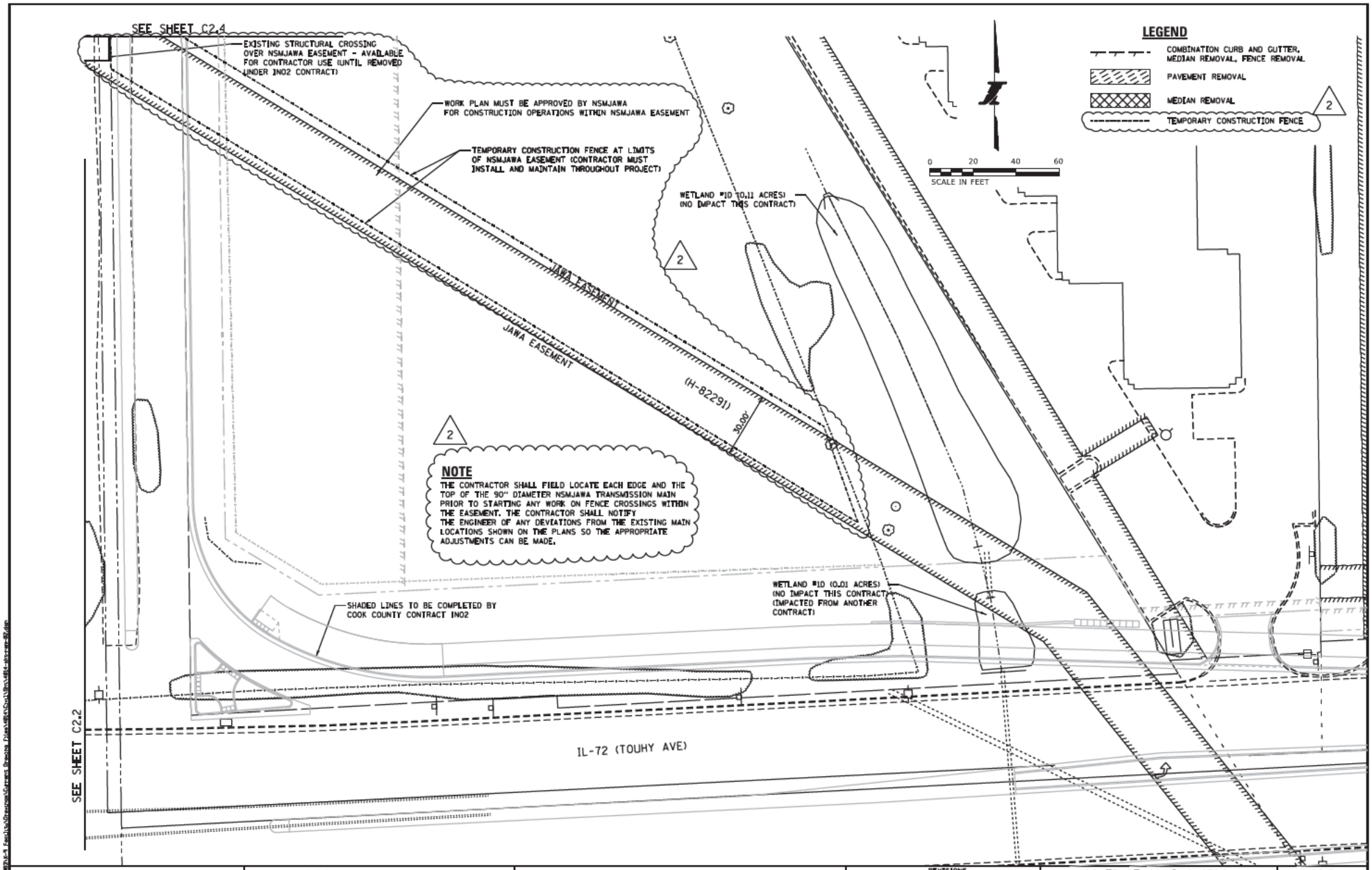
REVISIONS		
NO.	DATE	DESCRIPTION
2	08/03/2020	ADDENDUM #2

CONTRACT NO. I-18-4704

OVERALL EXISTING CONDITIONS

C2.1

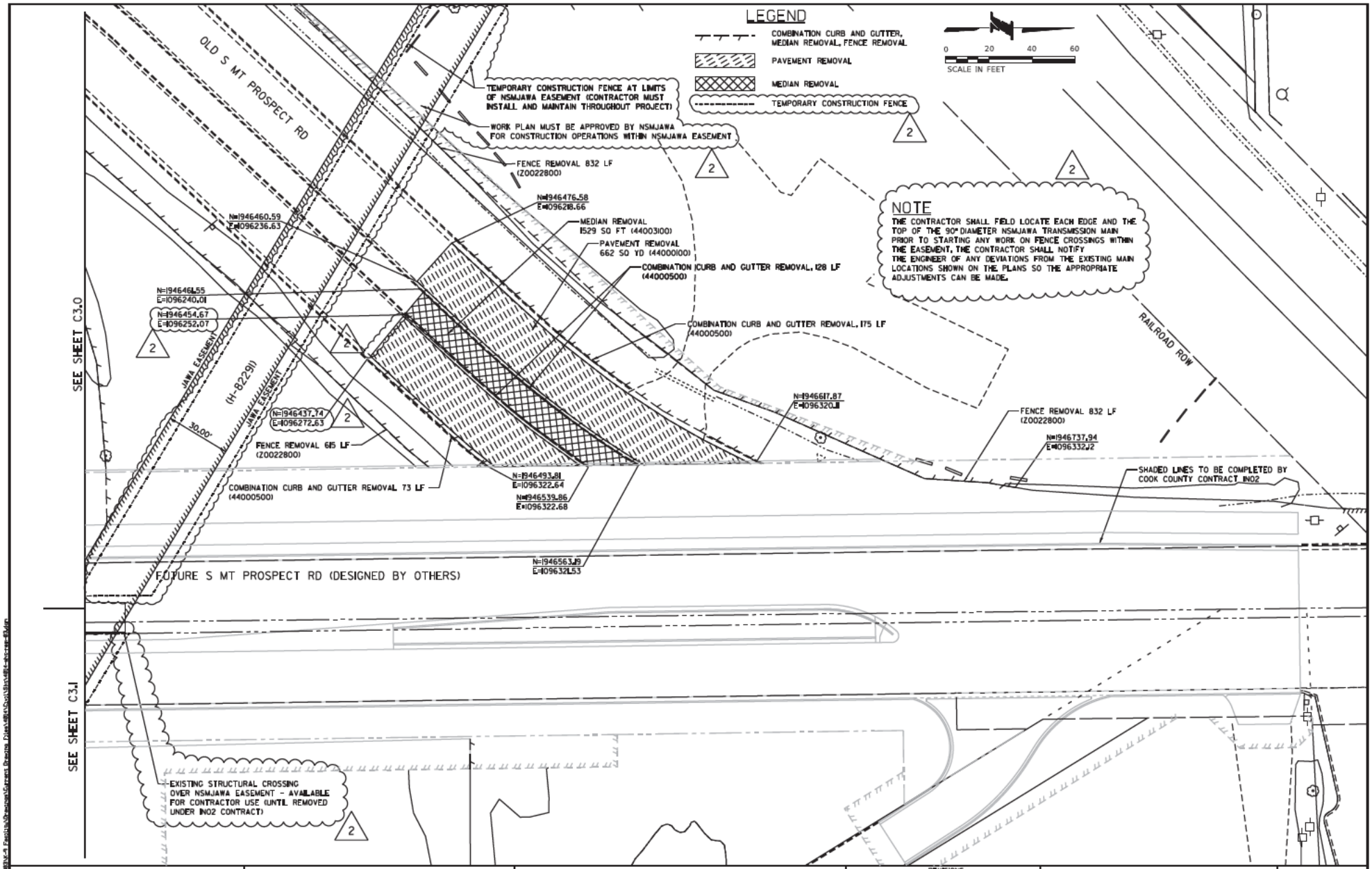
DRAWING NO. 522 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM #2

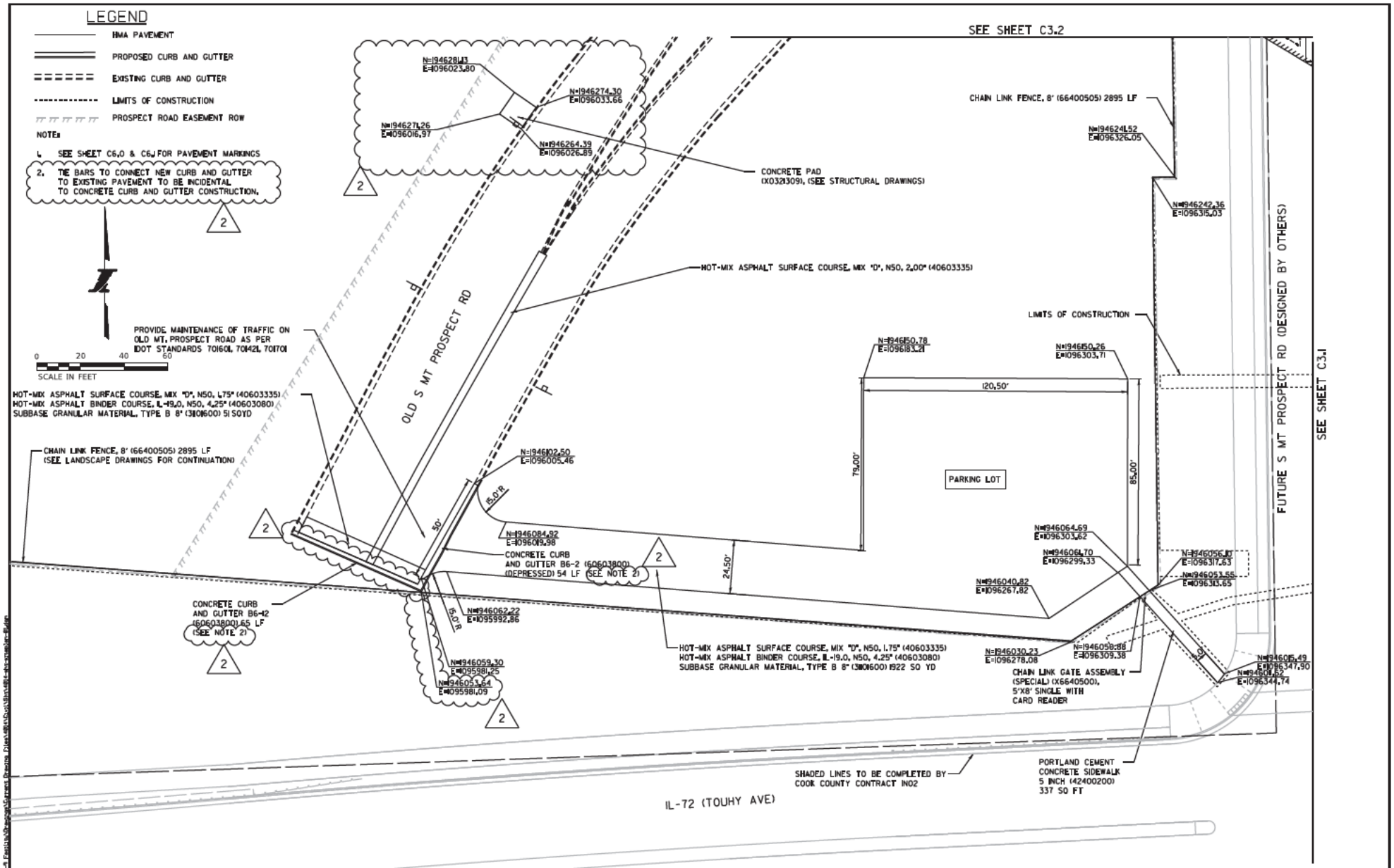
CONTRACT NO. I-18-4704	C2.3
REMOVAL PLAN	DRAWING NO. 524 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera 300 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 P:312-685-0700 F:312-685-0701	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/03/2020	ADDENDUM #2

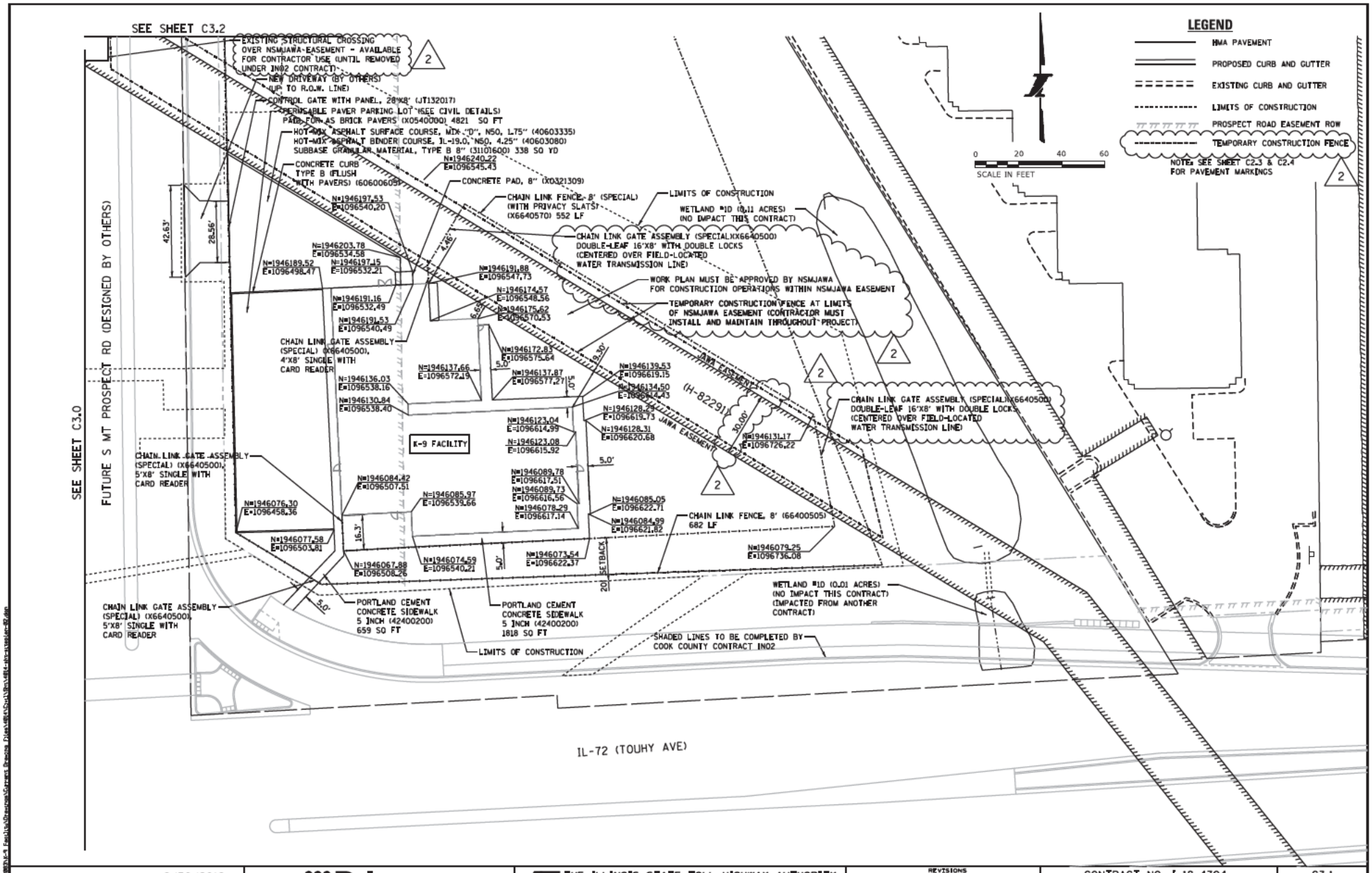
CONTRACT NO. I-18-4704	C2.4
REMOVAL PLAN	DRAWING NO. 525 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CHECKED BY RJD	DATE 10/16/2019	300 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606	2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

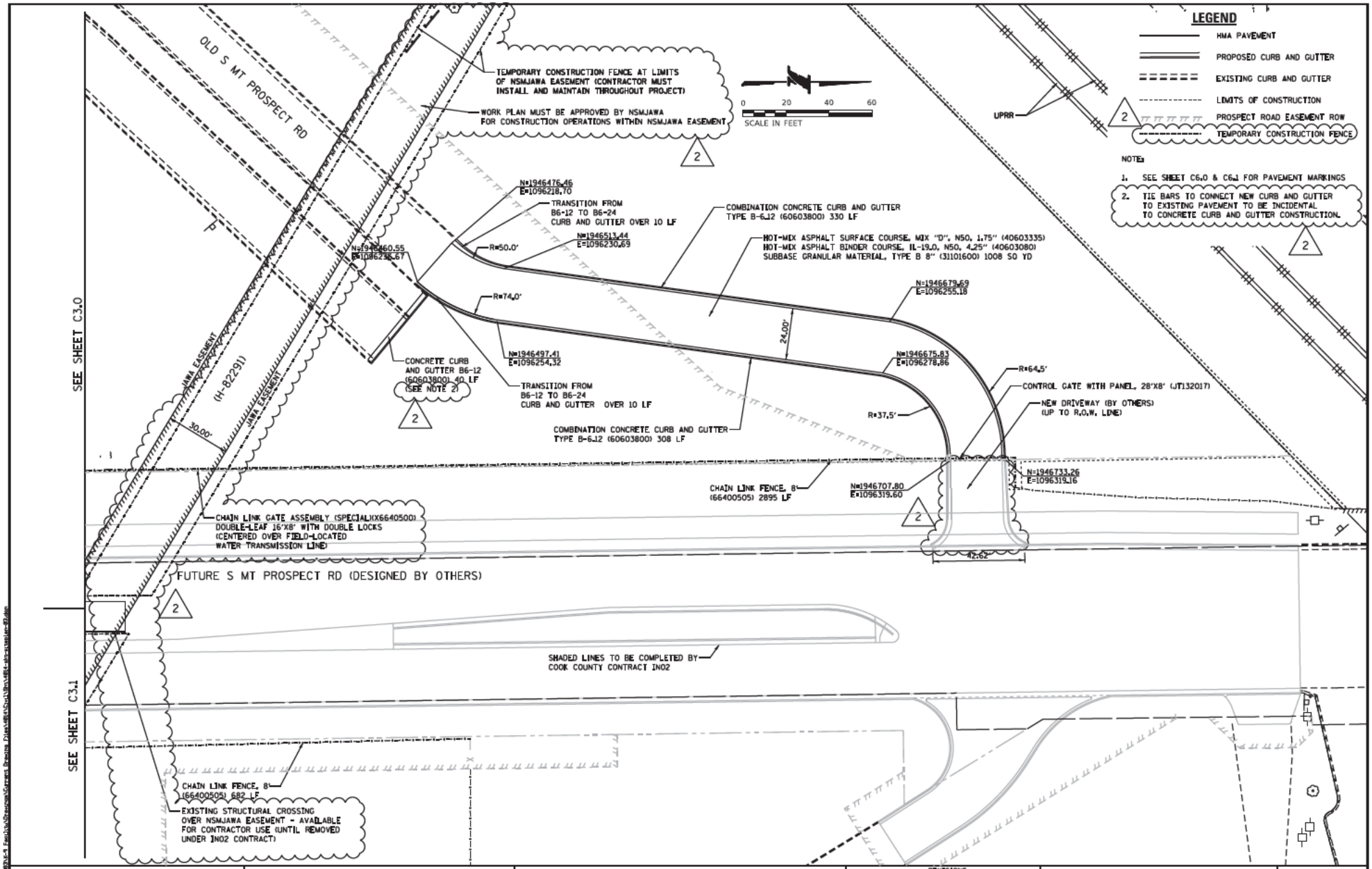
CONTRACT NO. I-18-4704	C3.0
SITE PLAN	DRAWING NO. 527 OF 635



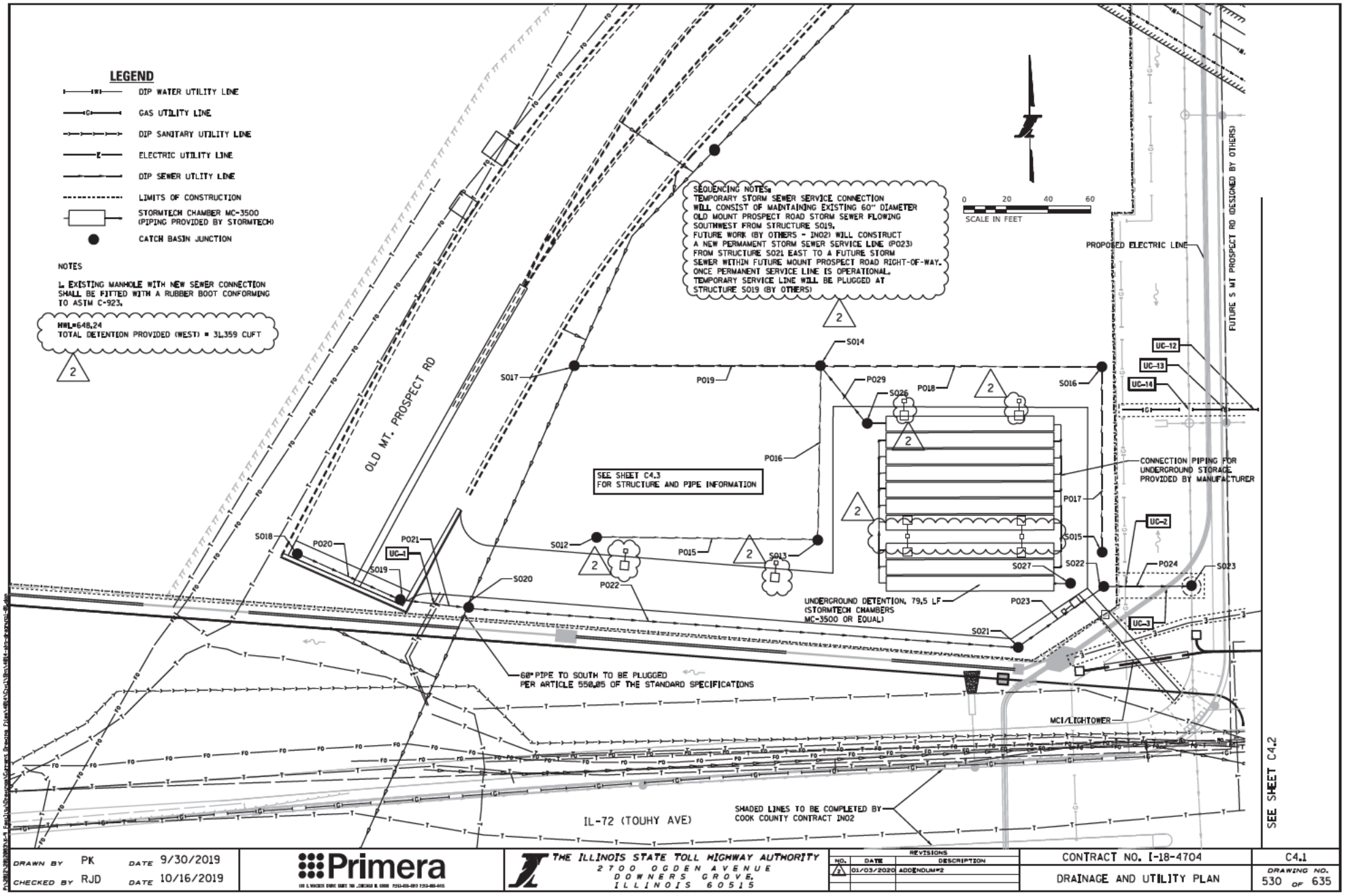
DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704	C3.1
SITE PLAN	DRAWING NO. 528 OF 635



DRAWN BY PK DATE 9/30/2019 CHECKED BY RJD DATE 10/16/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. DATE DESCRIPTION 1 01/03/2020 ADDENDUM#2	CONTRACT NO. I-18-4704 SITE PLAN	C3.2 DRAWING NO. 529 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

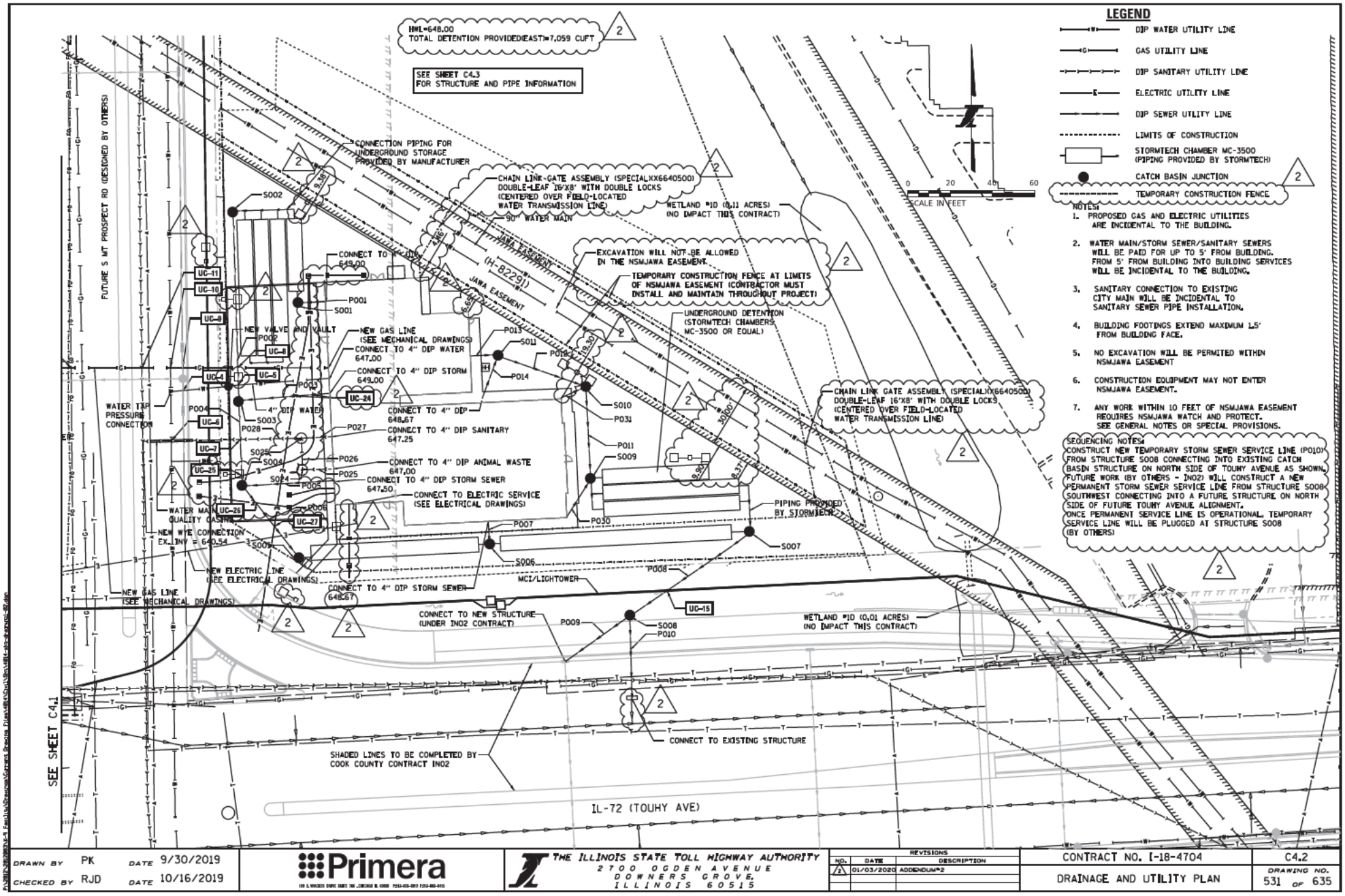
REVISIONS		
NO.	DATE	DESCRIPTION
1	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704

DRAINAGE AND UTILITY PLAN

C4.1

DRAWING NO. 530 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704	C4.2
DRAINAGE AND UTILITY PLAN	DRAWING NO. 531 OF 635

Structure Schedule

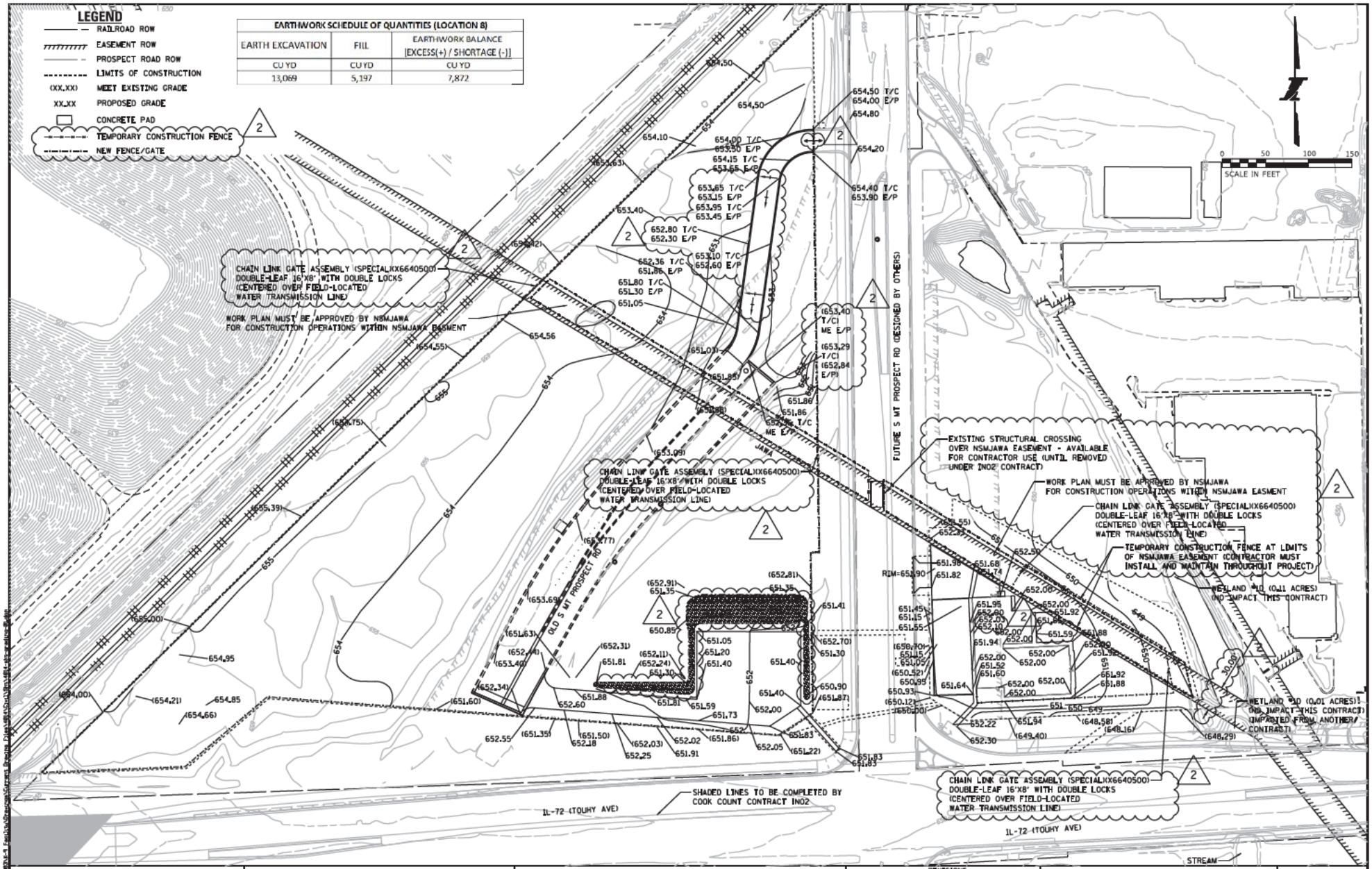
No.	Northing	Easting	Type	Frame	Rim	NW. Inv.	N. Inv.	NE. Inv.	E. Inv.	SE. Inv.	S. Inv.	SW. Inv.	W. Inv.
S001	1946180.11	1096489.87	CB Type A, 4' Dia	Type 1 F & L, OL	651.55		645.40		648.90				
S002	1946222.96	1096458.97	CB Type A, 4' Dia	Type 1 F & L, OL	651.90				645.40		645.40		
S003	1946135.73	1096461.99	CB Type A, 4' Dia	Type 1 F & L, OL	651.05		645.36		648.57		645.36		
S004	1946093.52	1096463.38	CB Type A, 4' Dia	Type 1 F & L, OL	650.75		645.32		648.58	645.32			
S005	1946059.32	1096490.31	CB Type A, 4' Dia	Type 1 F & L, OL	650.37	645.30			645.30				
S006	1946063.57	1096581.54	CB Type A, 4' Dia	Type 1 F & L, OL	651.00		648.53		645.30				645.30
S007	1946069.49	1096704.35	MH Type A, 4' Dia w/restrictor	Type 1 F & L, OL	650.15		645.30					645.30	
S008	1946032.10	2096646.92	CB Type A, 4' Dia	Type 1 F & L, CL	648.97	645.08		645.08			645.08		
S009	1946089.41	1096628.91	CB Type A, 5' Dia	Type 1 F & L, OL	651.80		647.05				645.55	648.52	645.55
S010	1946140.35	1096626.09	CB Type A, 4' Dia	Type 1 F & L, OL	651.80			647.30			647.30	648.55	
S011	1946155.25	1096579.14	CB Type A, 4' Dia	Type 1 F & L, OL	651.42					647.54	648.60		648.47
S012	1946088.91	1096071.73	Cleanout		651.79				649.26				
S013	1946087.49	1096175.97	Cleanout		651.30		648.74						648.74
S014	1946152.75	1096177.25	CB Type A, 8' Dia	Type 1 F & L, OL	650.85				646.21	644.47	648.42		643.21
S015	1946066.25	1096313.09	Cleanout		650.87		648.64						
S016	1946169.57	1096310.46	CB Type A, 4' Dia	Type 1 F & L, OL	651.35						648.21		646.87
S017	1946170.06	1096060.74	MH Type A, 9'Dia	Type 1 F & L, CL	652.41			EX. 641.25	643.09			EX. 641.25	
S018	1946079.88	1095928.05	CB Type A, 4' Dia	Type 1 F & L, OL	652.18				647.69				
S019	1946059.26	1095978.19	CB Type A, 4' Dia	Type 1 F & L, OL	652.34				647.41				647.41
S020	1946055.66	1096010.74	MH Type A, 8'Dia	Type 1 F & L, CL	651.04			EX. 641.23	641.20				647.23
S021	1946036.56	1096270.79	MH Type A, 8'Dia	Type 1 F & L, CL	652.46			641.02					641.02
S022	1946064.02	1096313.32	MH Type A, 8' Dia w/restrictor	Type 1 F & L, CL	651.55				640.98			640.98	
S023	1946065.68	1096352.84	MH Type A, 9'Dia	Type 1 F & L, CL	652.46		640.59				640.59		640.78
S024	1946107.23	1096492.82	MH Type A, 6' Dia w/ 5' sump	Type 1 F & L, CL	651.76		646.86		646.86				
S025	1946125.69	1096492.18	SM, 4' Dia (Drop Connection)	Type 1 F & L, CL	651.76				647.03		646.72		641.92
S026	1946137.38	1096199.41	CB Type A, 4' Dia	Type 1 F & L, OL	651.32	644.45			644.45				
S027	1946074.78	1096295.63	CB Type A, 4' Dia	Type 1 F & L, OL	651.43								644.45

UTILITY CROSSING SCHEDULE

NO.	TYPE	Proposed or Existing	BOTTOM OF PIPE	TYPE	Proposed or Existing	TOP OF PIPE
1	Telephone	Existing	649.11 (V.I.F)	Storm 12" RCP	Proposed	648.42
2	Gas	Existing	647.67 (V.I.F)	Storm 15" RCP	Proposed	642.40
3	Storm 15" RCP	Proposed	640.63	ComEd Electric	Existing	639.9 (V.I.F)
4	12" WM quality Storm Sewer	Existing	646.98 (V.I.F)	4" Water service	Proposed	643.78
5	Storm 8" PU	Proposed	645.28	4" Water service	Proposed	643.78
6	12" City Water	Existing	642.82 (V.I.F)	6" Sanitary Sewer	Proposed	641.82
7	Storm 8" PU	Proposed	645.26	6" Sanitary Sewer	Proposed	645.06
8	Nicor Gas	Proposed	646.60	Storm 8" PU	Proposed	646.08
9	12" Storm Sewer	Existing	647.03 (V.I.F)	Nicor Gas	Proposed	646.20
10	Nicor Gas	Proposed	645.87	12" City Water	Existing	642.62 (V.I.F)
11	Nicor Gas	Proposed	645.87	12" City sanitary sewer	Existing	641.59 (V.I.F)
12	AT&T	Existing	647.20 (V.I.F)	Nicor Gas	Proposed	645.77
13	12" Storm Sewer	Existing	646.28 (V.I.F)	Nicor Gas	Proposed	645.77
14	Nicor Gas	Proposed	646.90	60" Sewer	Existing	646.82 (V.I.F)
15	MCI	Existing	646.20 (V.I.F)	Storm 12" RCP	Proposed	644.97
16	Electric Ductbank	Proposed	645.70	12" City Water	Existing	642.82 (V.I.F)
17	Electric Ductbank	Proposed	645.70	12" City sanitary sewer	Existing	641.43 (V.I.F)
18	AT&T	Existing	647.20 (V.I.F)	Electric Ductbank	Proposed	646.20
19	Electric Ductbank	Proposed	647.20	60" Sewer	Existing	646.82 (V.I.F)
20	Nicor Gas	Proposed	648.70	Electric Ductbank	Proposed	648.30
21	Electric Ductbank	Proposed	647.40	4" Water service	Proposed	647.20
22	Electric Ductbank	Proposed	647.80	4" Sanitary Sewer	Proposed	647.45
23	Electric Ductbank	Proposed	647.80	6" Sanitary Sewer	Proposed	642.52
24	4" Storm sewer	Proposed	648.75	Electric Ductbank	Proposed	648.30
25	Electric Ductbank	Proposed	647.80	Storm 8" PU	Proposed	646.06
26	Electric Ductbank	Proposed	647.80	Storm 8" PU	Proposed	646.01
27	Electric Ductbank	Proposed	647.80	Storm 8" PU	Proposed	645.98

Pipe Schedule

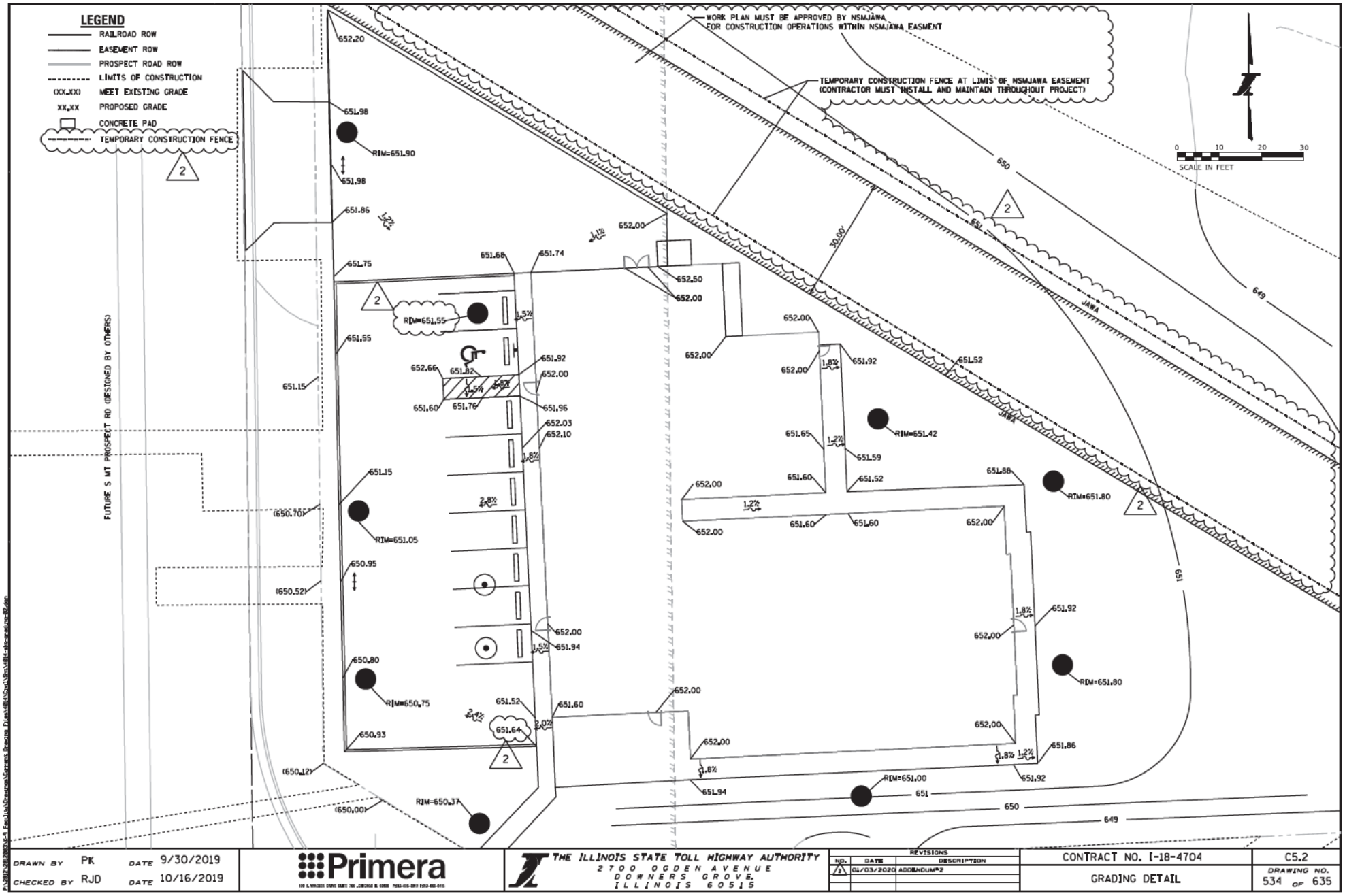
No.	Upstream Structure	Downstream Structure	Type	Length (ft)	Slope (%)
P001	building	S001	4" DP	10	1.00
P002	S002	S003	8" PJ	85	0.05
P003	building	S003	4" DP	43	1.00
P004	S003	S004	8" PJ	41	0.10
P005	building	S004	4" DP	42	1.00
P006	S004	S005	12" RCP	41	0.22
P007	building	S006	4" DP	7	2.00
P008	S007	S008	12" RCP	67	0.22
P009	S008	701 (by others, INO?)	12" RCP	36	0.22
P010	S008	Existing structure on Touhy Ave (Temporary connection)	10" RCP (by others)	39	0.22
P011	S010	S009	12" RCP	50	0.50
P012	S011	S010	12" RCP	47	0.50
P013	building	S011	4" DP	12	1.00
P014	building	S011	4" DP	21	1.00
P015	S012	S013	6" PJ	105	0.50
P016	S013	S014	8" PJ	82	0.50
P017	S015	S016	6" PJ	103	0.50
P018	S016	S014	8" PJ	132	0.50
P019	S014	S017	48" RCP	116	0.10
P020	S018	S019	12" RCP	52	0.54
P021	S019	S020	12" RCP	32	0.54
P022	S020	S021	60" RCP	258	0.07
P023	S021	S022	60" RCP	50	0.07
P024	S022	S023	15" RCP	41	0.54
P025	building	S024	4" PVC	14	1.00
P026	S024	S025	4" PVC	14	1.00
P027	building	S025	4" PVC	13	1.00
P028	S024	Existing sanitary sewer	6" DP	75	1.00
P029	S026	S014	12" RCP	37	0.50
P030	building	S009	4" PVC	15	1.00
P031	building	S010	4" PVC	12	1.00



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/03/2020	ADDENDUM#2

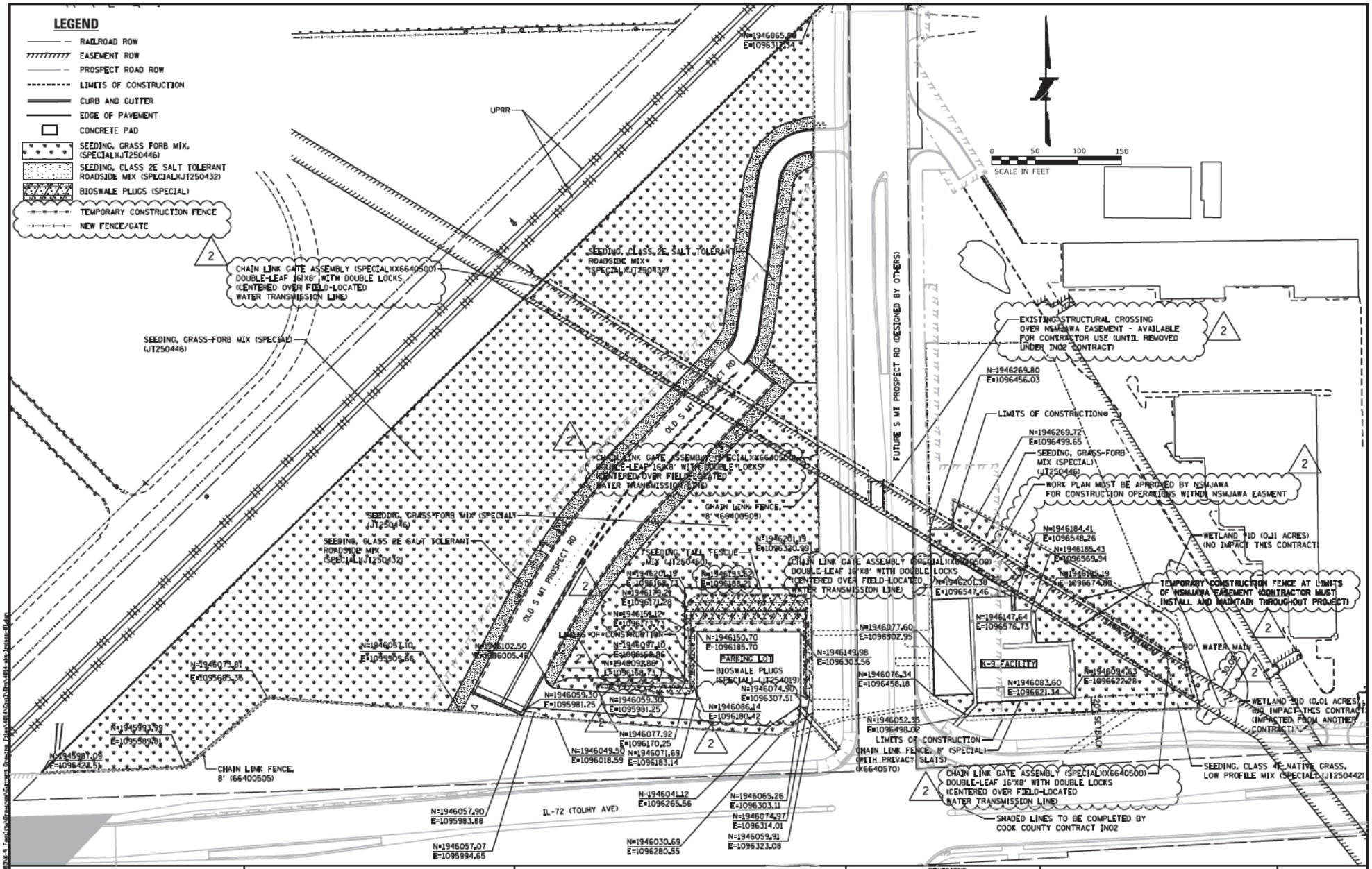
CONTRACT NO. I-18-4704	C5.1
GRADING PLAN	DRAWING NO. 533 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM #2

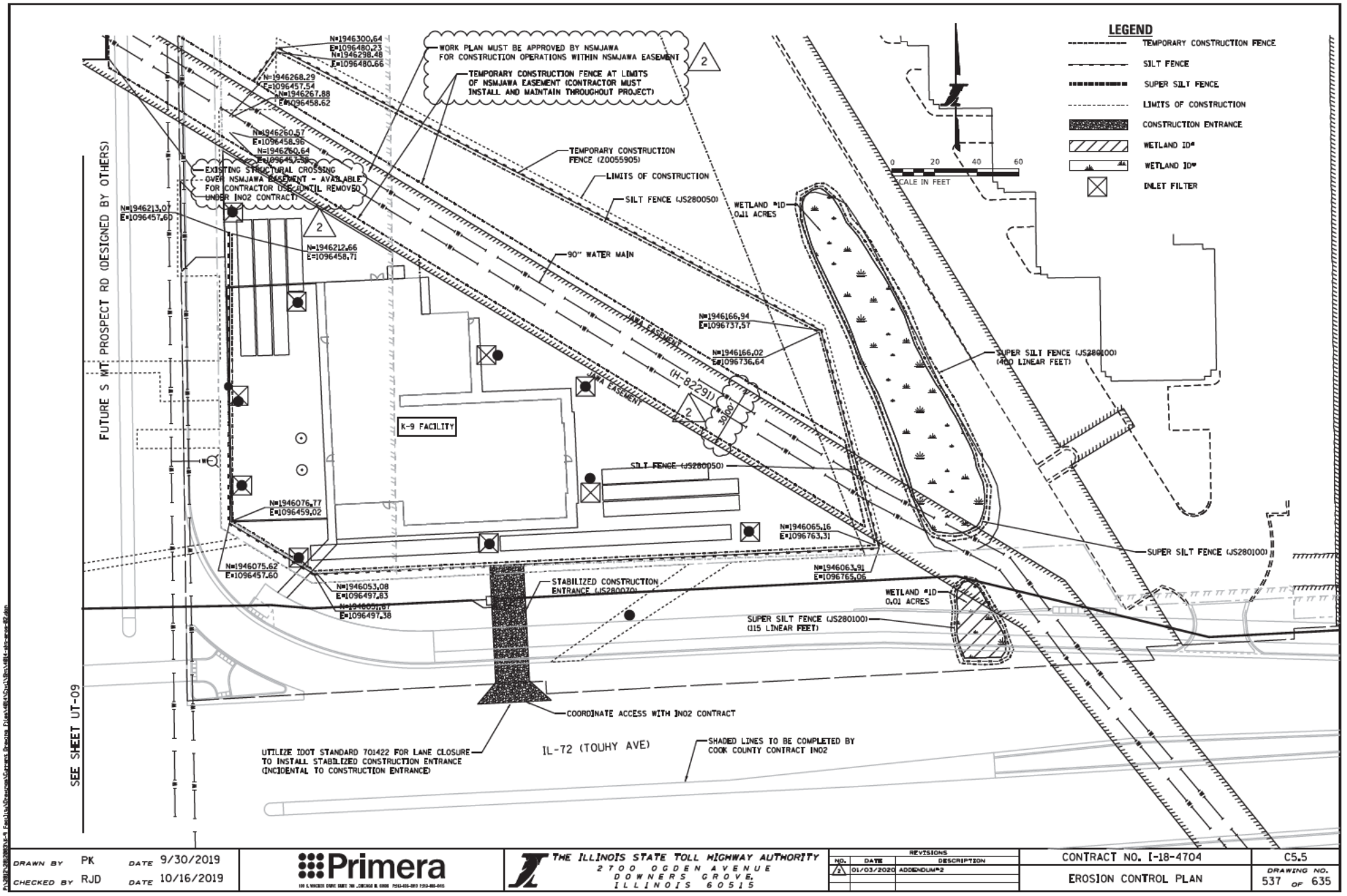
CONTRACT NO. I-18-4704	C5.2
GRADING DETAIL	DRAWING NO. 534 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704	C5.3
LANDSCAPING PLAN	DRAWING NO. 535 OF 635



DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE 10/16/2019		

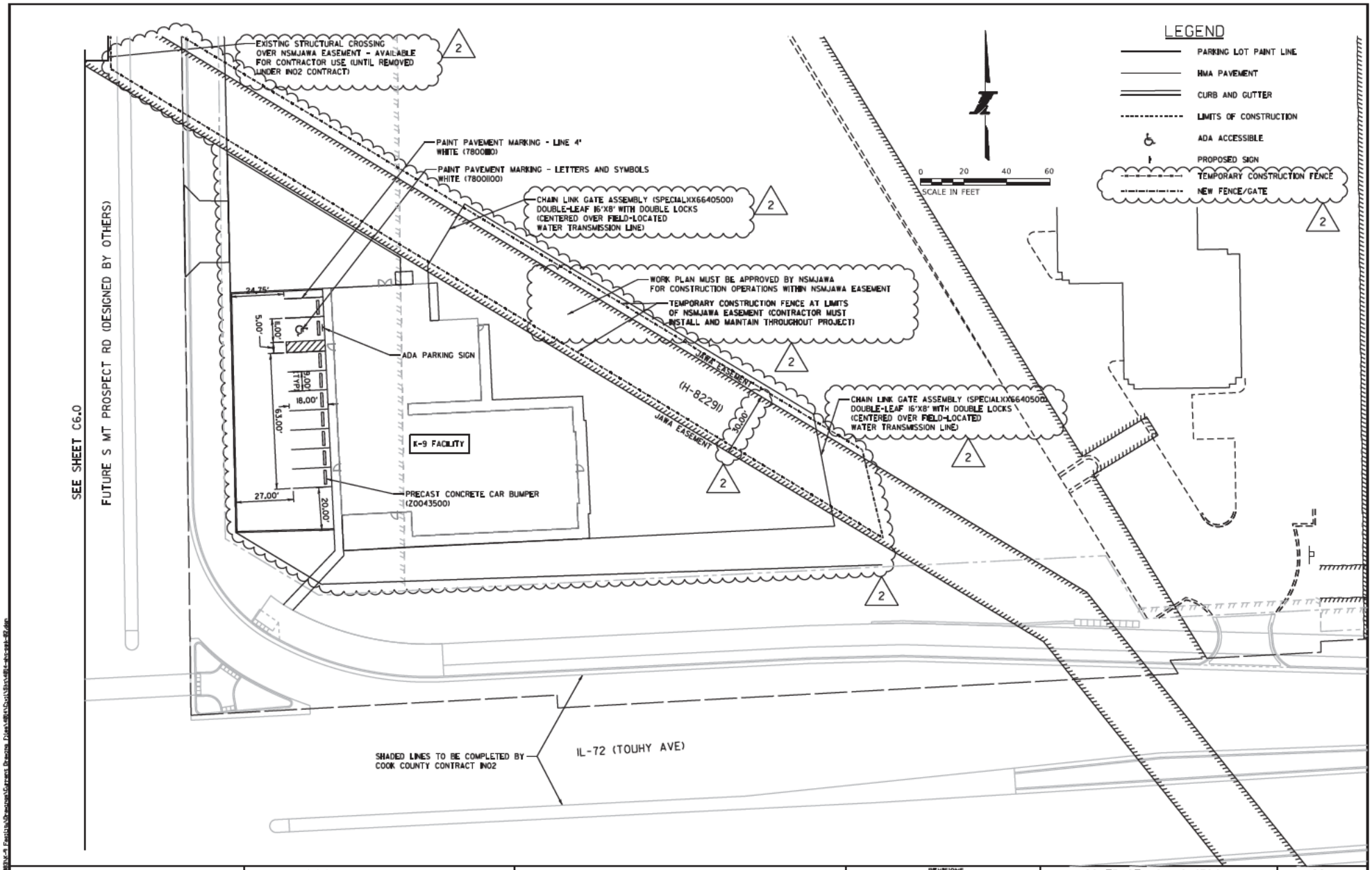
REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704

EROSION CONTROL PLAN

C5.5

DRAWING NO. 537 OF 635



DRAWN BY PK DATE 9/30/2019
CHECKED BY RJD DATE 10/16/2019

Primera
300 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 P:312-595-9760 F:312-595-9765

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

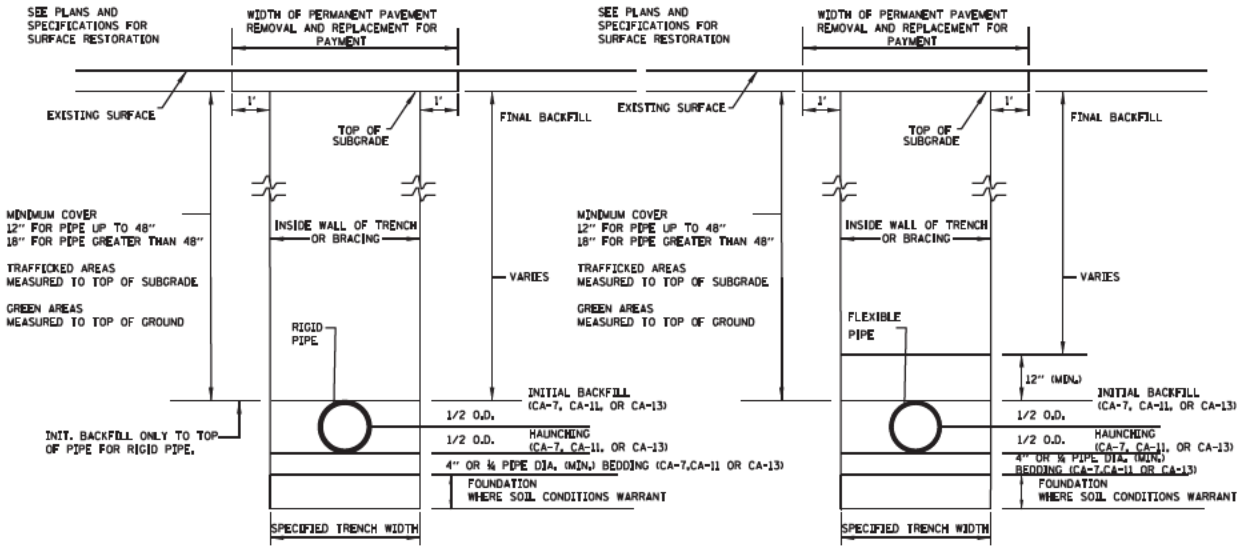
REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM#2

CONTRACT NO. I-18-4704

PAVEMENT MARKING PLAN

C6.1

DRAWING NO.
539 OF 635

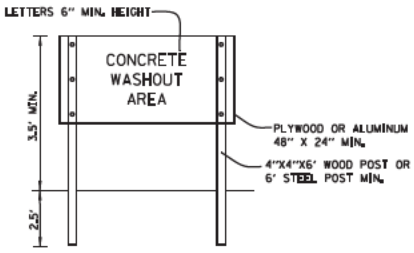


RIGID PIPE INSTALLATION DETAIL

FLEXIBLE PIPE INSTALLATION DETAIL

NOTES:
1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

SCALE: NTS

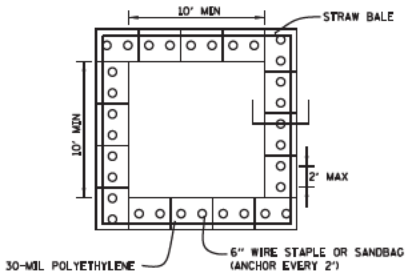


SIGN DETAIL

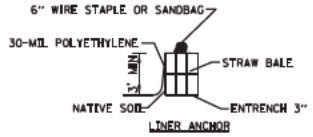
NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEND CONCRETE AND/OR SLURRY AND RETURNING THE FACILEITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"X2"X4' WOODEN STAKES.

CONCRETE WASHOUT AREA DETAIL

SCALE: NTS



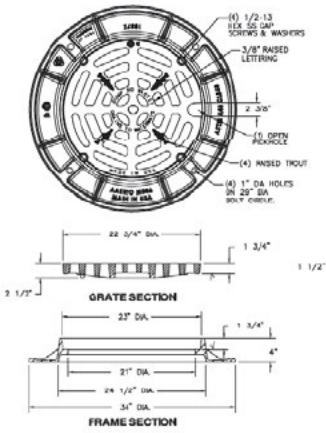
PLAN VIEW



STRAW BALE ANCHOR SECTIONS

2

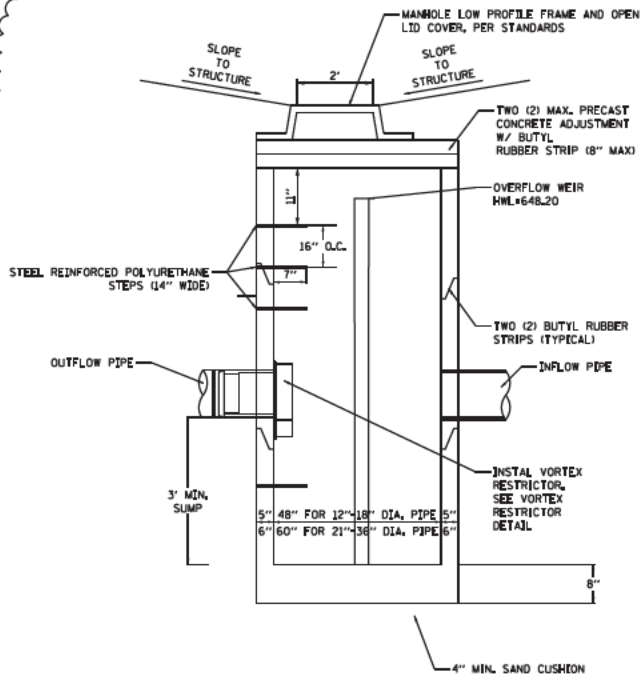
1020M1 1037Z Assembly



BOLTED LOW PROFILE FRAME

SCALE: NTS

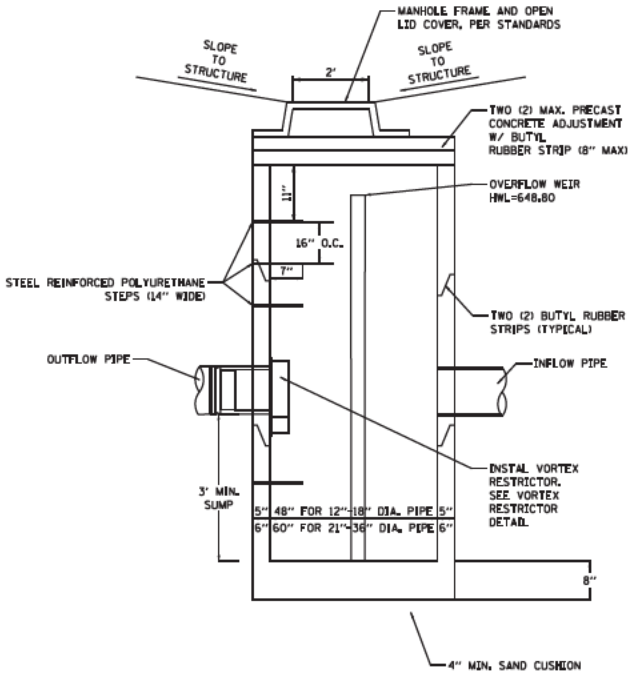
DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	CONTRACT NO. I-18-4704	C7.0
CHECKED BY RJD	DATE 10/16/2019		REVISIONS: 2 | 01/03/2020 | ADDENDUM 2	CIVIL DETAILS	DRAWING NO. 540 OF 635



NOTES:
1. CATCH BASINS MUST CONFORM TO ASTM C-478.
2. CATCH BASIN SECTIONS TO BE TONGUE AND GROOVED.
3. NON-SHRINK GROUT OR CEMENT TO BE USED ON ALL PENETRATIONS INSIDE AND OUTSIDE OF STRUCTURE.
4. ALL PIPE PENETRATIONS TO BE CORED, RUBBER BOOTED AND INTERIOR GROUTED (NON-SHRINK) OR CEMENTED, ASTM C923 CONNECTORS IN COMBINED SEWER AREAS.

RESTRICTOR STRUCTURE DETAIL (EAST)

SCALE: NTS

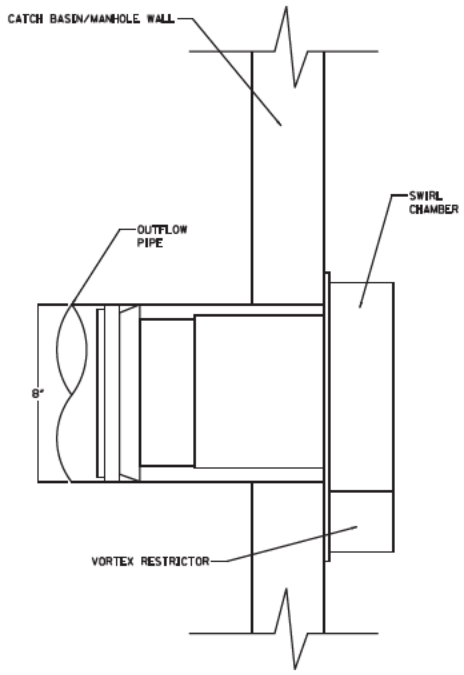


NOTES:
1. CATCH BASINS MUST CONFORM TO ASTM C-478.
2. CATCH BASIN SECTIONS TO BE TONGUE AND GROOVED.
3. NON-SHRINK GROUT OR CEMENT TO BE USED ON ALL PENETRATIONS INSIDE AND OUTSIDE OF STRUCTURE.
4. ALL PIPE PENETRATIONS TO BE CORED, RUBBER BOOTED AND INTERIOR GROUTED (NON-SHRINK) OR CEMENTED, ASTM C923 CONNECTORS IN COMBINED SEWER AREAS.

RESTRICTOR STRUCTURE DETAIL (WEST)

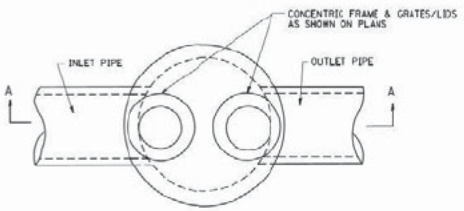
SCALE: NTS

2

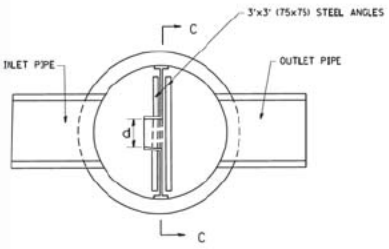


VORTEX RESTRICTOR DETAIL: SECTION

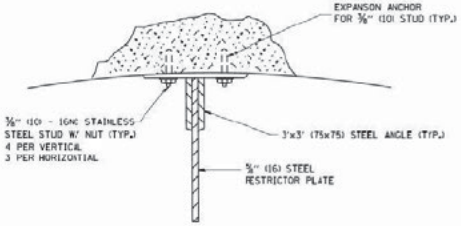
DRAWN BY PK	DATE 9/30/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	CONTRACT NO. I-18-4704	C7.3
CHECKED BY RJD	DATE 10/16/2019		REVISIONS: 2 | 01/03/2020 | ADDENDUM 2	CIVIL DETAILS	DRAWING NO. 543 OF 635



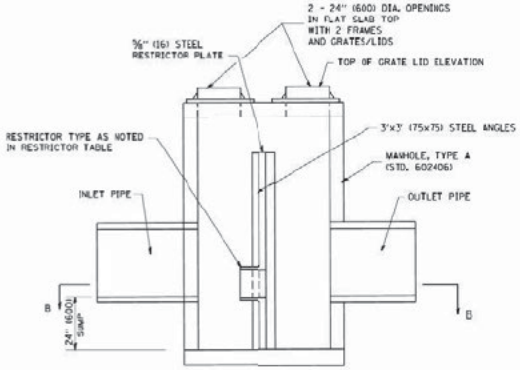
PLAN



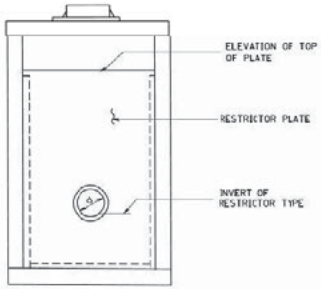
SECTION B-B



ANGLE FASTENER DETAIL

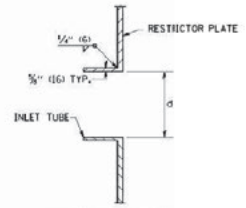


SECTION A-A



SECTION C-C

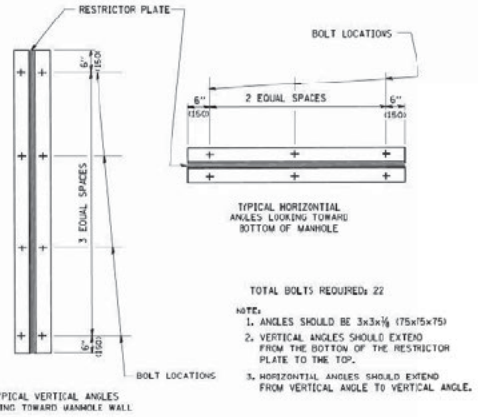
NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PYMENT: "MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (D)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
S007	4'	TYPE1 F&L, OL	VORTEX	2.25	645.30	648.00
S022	8'	TYPE1 F&L, CL	VORTEX	4.20	640.98	648.24

2



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL

TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:
1. ANGLES SHOULD BE 3x3x⅛ (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH ½ TO 1 DIA.		STREAM CLEARS SIDES	LENGTH 2-½ DIA.	LENGTH: 2-½ DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

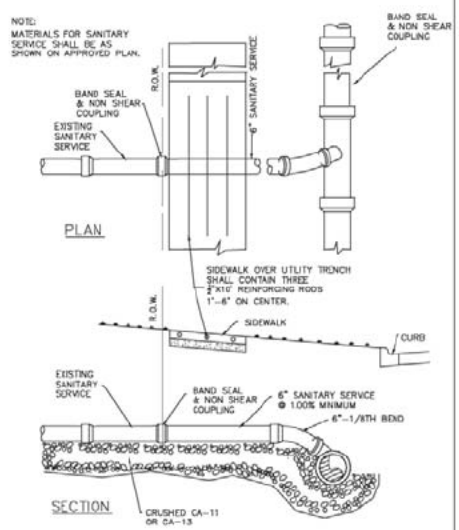
FILE NAME = W:\cadd\cad\22x34\bd12.dgn	USER NAME = gmgilcrease	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MANHOLE WITH RESTRICTOR PLATE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - E. GOMEZ 08-28-00							
	PLOT DATE = 1/4/2000	CHECKED -	REVISED - M. GOMEZ 01-08-01				BD600-04 (BD-12)		CONTRACT NO.	
		DATE - 09-09-94	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

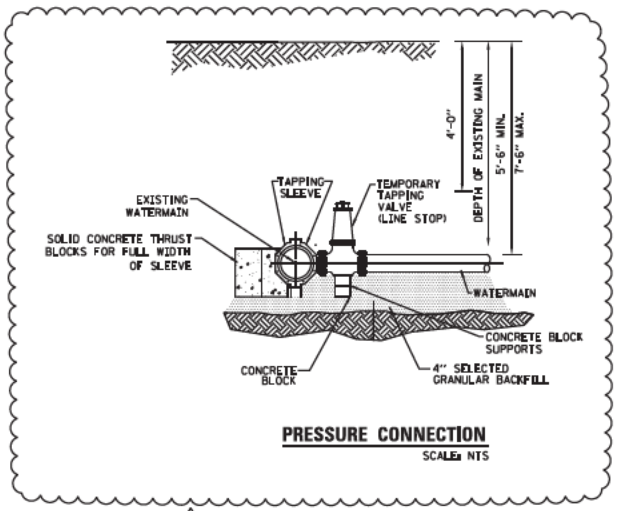
DRAWN BY PK	DATE $DATED	Primera 100 S. WACKER DRIVE SUITE 700 ,CHICAGO IL 60606 (312) 606-0910 (800) 606-9415	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY RJD	DATE $DATEC		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	ADDENDUM 2

CONTRACT NO. I-18-4704	C7.7
CIVIL DETAILS	DRAWING NO. 547 OF 635

SANITARY SERVICE SEWER AND CONNECTION

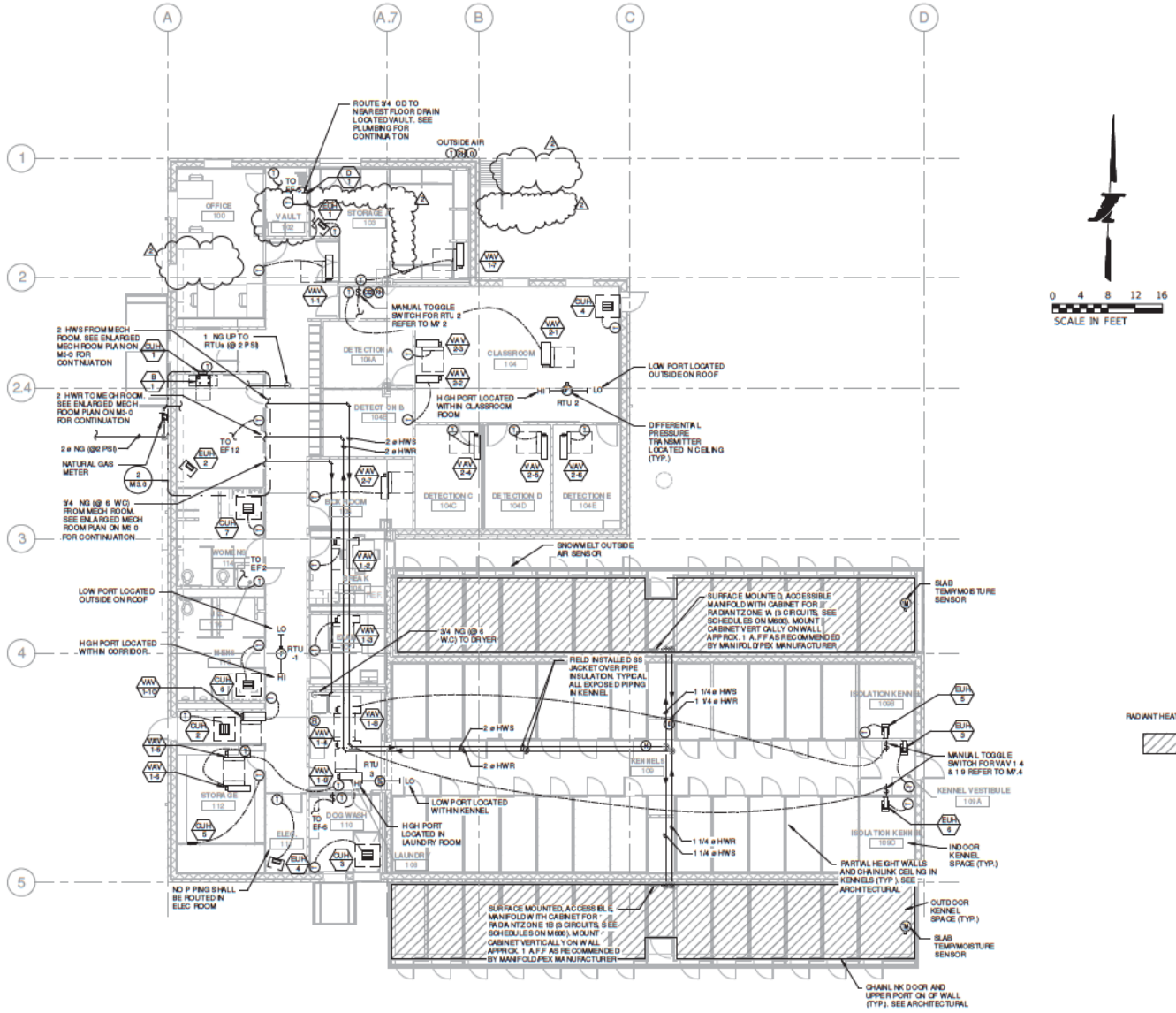




PRESSURE CONNECTION

SCALE: NTS

2



① LEVEL 1 - FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"

DRAWN BY	ALR	DATE	10/16/2019
CHECKED BY	JCP	DATE	10/16/2019

Primera

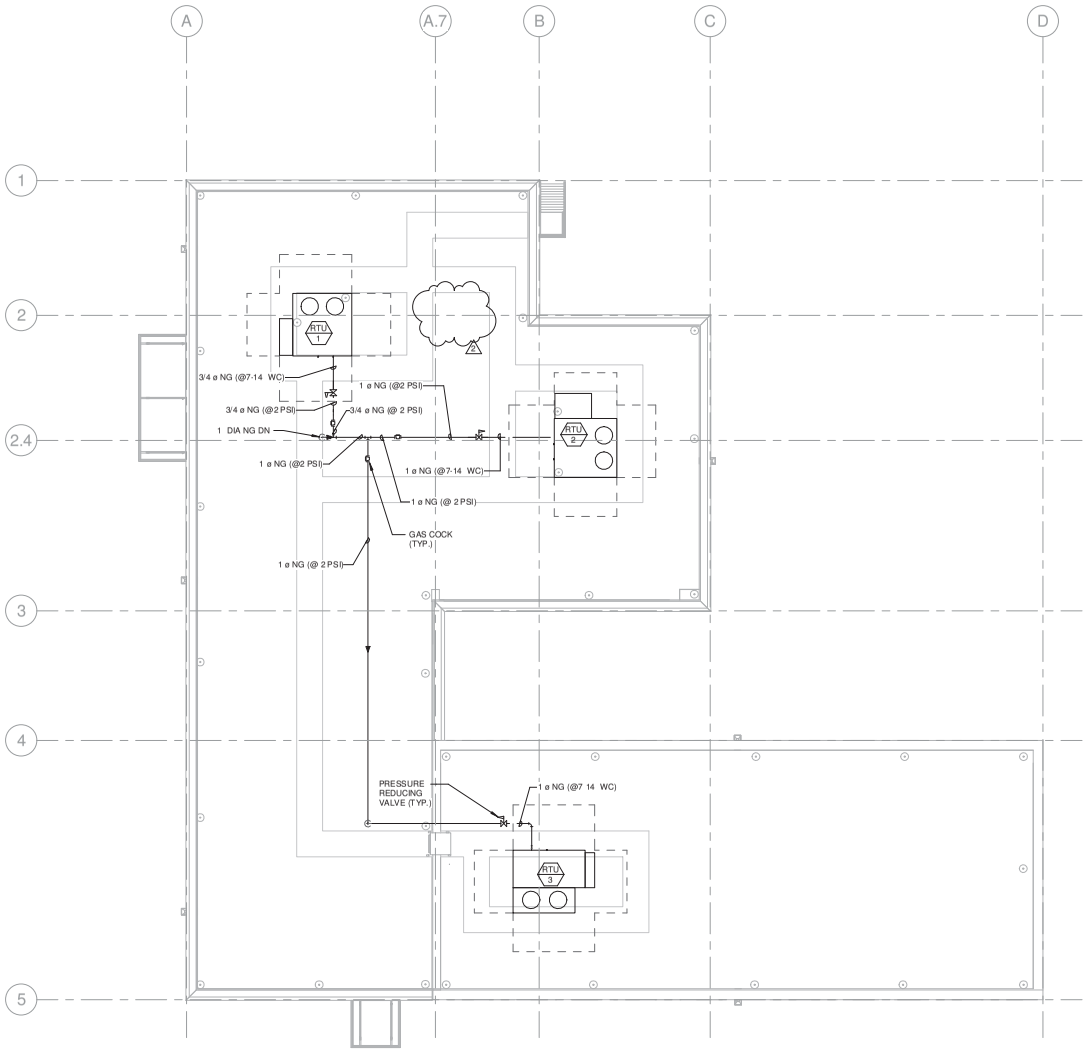
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

MECHANICAL PIPING FIRST FLOOR PLAN

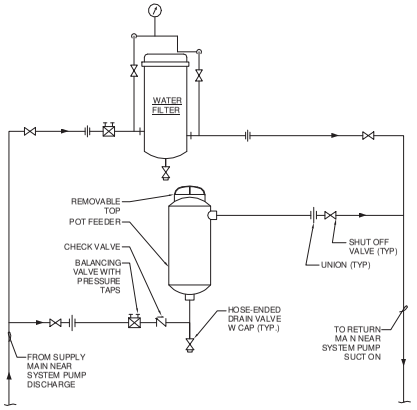
M2.0
DRAWING NO.
585 OF 635





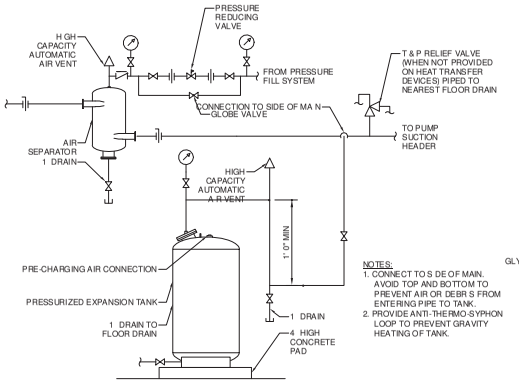
1 ROOF - FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"

DRAWN BY ALR	DATE 10/16/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. DATE DESCRIPTION 2 01/03/2020 Addendum #2	CONTRACT NO. I-18-4704	M2.1
CHECKED BY JCP	DATE 10/16/2019				MECHANICAL PIPING ROOF PLAN	DRAWING NO. 586 OF 635



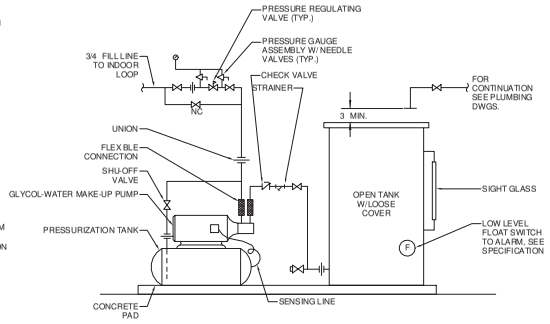
1. POT FEEDER AND WATER FILTER WILL BE SUPPORTED FROM THE FLOOR OR WALL.

1 POT FEEDER AND FILTER PIPING DETAIL
SCALE N.T.S.

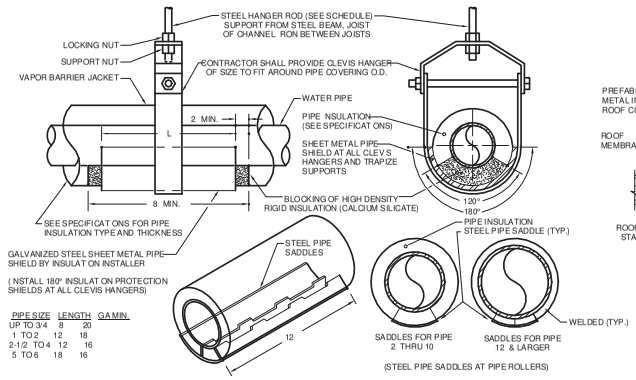


NOTES:
1. CONNECT TO SIDE OF MAIN. AVOID TOP AND BOTTOM TO PREVENT AIR OR DEBRIS FROM ENTERING PIPE TO TANK.
2. PROVIDE ANTI-THERMO-SYPHON LOOP TO PREVENT GRAVITY HEATING OF TANK.

2 EXPANSION TANK PIPING DETAIL
SCALE N.T.S.



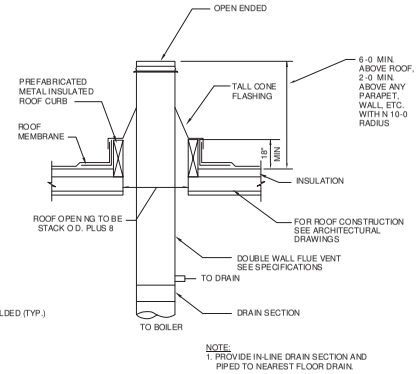
3 BREAK TANK/PRESSURE FILL ASSEMBLY (GLYCOL)
SCALE N.T.S.



PIPE SIZE	LENGTH	GA MIN.
UP TO 3/4	8"	20
1" TO 2"	12"	18
2-1/2" TO 4"	12"	16
5" TO 6"	18"	16

NOTES:
1. INSTALL 360° INSULATION PROTECTION SHIELDS AT ALL PIPING SECURED WITH U-BOLTS AND U-CLAMPS.
2. PROVIDE HIGH DENSITY INSULATION SUPPORTS AT ALL CLEVIS HANGERS, SUPPORTS AND TRAPEZE HANGERS.
3. PROVIDE STEEL PIPE INSULATION SADDLES ON ALL PIPES SUPPORTED BY ROLLERS.

4 PIPE COVERING PROTECTION SHIELD AND PIPE SADDLES
SCALE N.T.S.



NOTE:
1. PROVIDE IN-LINE DRAIN SECTION AND PIPED TO NEAREST FLOOR DRAIN.

5 BOILER FLUE VENT DETAIL
SCALE N.T.S.

DRAWN BY	ALR	DATE	10/16/2019
CHECKED BY	JCP	DATE	10/16/2019

Primera
100 S. WACKER DRIVE, SUITE 700 . CHICAGO, IL 60606 P:312-595-0970 F:312-595-0973

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

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

MECHANICAL DETAILS

M5.3
DRAWING NO.
592 OF 635

FAN SCHEDULE

TAG	LOCATION	AREA SERVED	CFM	TYPE	S.P. IN. WC.	MOTOR BHP	MOTOR HP (WATTS)	MOTOR V/HZ/PH	MAX. INLET FAN SOUND POWER LEVEL OCTAVE BAND (FREQUENCY, HZ) 63	125	250	500	1000	2000	4000	8000	MAX SONES	FAN DATA RPM	FAN DATA DRIVE	UNIT WEIGHT LBS.	WALL/ROOF OPENING INCHES	BASED ON	NOTES
EF-1	ROOF	RESTROOMS	690	CENTRIFUGAL	0.6	0.19	1/4	120 60/1	80	78	77	69	65	61	55	52	11.2	1 725	DIRECT	60	14.5 x 14.5	GREENHECK G-098-VG	1,2,4,5,6,7 12
EF-2	JANITORS CLOSET	JANITORS CLOSET 116	50	CEILING	0.5	NA	(80)	120 60/1	NA	NA	NA	NA	NA	NA	NA	NA	1 5	714	DIRECT	15	NA	GREENHECK SP-B110	2,4,5,6,8,12
EF-3	ROOF	DETECTION A, B, & BOX ROOM	840	CENTRIFUGAL	0.5	0.08	1/4	120 60/1	75	73	73	62	59	52	48	44	7 9	1 725	DIRECT	60	14.5 x 14.5	GREENHECK G-097-VG	1,2,3,5,7,9 12
EF-4	ROOF	DETECTION C, D, & E	840	CENTRIFUGAL	0.5	0.08	1/4	120 60/1	75	73	73	62	59	52	48	44	7 9	1 725	DIRECT	60	14.5 x 14.5	GREENHECK G-097-VG	1,2,3,5,7,9 12
EF-5	VAULT	VAULT 102	100	CENTRIFUGAL	2.0	0.44	1/2	120 60/1	82	81	74	75	67	65	70	67	15.9	2 500	DIRECT	60	14.5 x 14.5	GREENHECK G-103HP-VG	1,2,4,5,6,7,11,12
EF-6	ROOF	DOG WASH 110	180	CENTRIFUGAL	0.5	0.07	1/4	120 60/1	73	71	71	60	57	49	46	41	7	1 725	DIRECT	40	14.5 x 14.5	GREENHECK G-097-VG	1,2,4,5,7,9 12
EF-7	ROOF	DOG ISO ROOM 109B	320	CENTRIFUGAL	0.6	0.09	1/4	120 60/1	73	72	71	62	58	54	48	44	7 6	1 725	DIRECT	60	14.5 x 14.5	GREENHECK G-098-VG	1,2,4,5,7,9 12
EF-8	ROOF	DOG ISO ROOM 109C	320	CENTRIFUGAL	0.6	0.09	1/4	120 60/1	73	72	71	62	58	54	48	44	7 6	1 725	DIRECT	60	14.5 x 14.5	GREENHECK G-098-VG	1,2,4,5,7,9 12
EF-9	ROOF	MECHANICAL 115	400	CENTRIFUGAL	0.5	0.1	1/4	120 60/1	76	74	74	64	60	53	50	45	8 7	1,725	DIRECT	60	14.5 x 14.5	GREENHECK G-095-VG	1,2,3,5 7,10,12
EF-10	NOT USED																						
EF-11	ELEC	ELEC 111	100	CENTRIFUGAL	0.5	0.07	1/4	120 60/1	73	71	71	60	57	49	46	41	7	1 725	DIRECT	40	14.5 x 14.5	GREENHECK G-097-VG	1,2,3,5 7,10,12
EF-12	ROOF	CLASSROOM 104	970	CENTRIFUGAL	0.5	0.24	1/2	120 60/1	72	74	73	68	60	58	53	47	8 9	1,725	DIRECT	60	14.5 x 14.5	GREENHECK G-103-VG	1,2,3,5,7,9 12

NOTES:
1. PROV DE 14 HIGH ROOF CURB AND BIRD SCREEN.
2. STARTER AND DISCONNECT SWTICH BY DIVISION 16.
3. PROV DE MOTORIZED DAMPER
4. PROV DE BACKDRAFT DAMPER
5. REFER TO DIV.23 VIBRAT ON ISOLATION FOR V BRATION ISOLAT ON AND INERTIA BASE REQUIREMENTS.
6. CONT NUOUS OPERATION, INTERLOCK WITH RTU
7. SPEED CONTROL FOR BALANCING.
8. PROVIDE HANGING VIBRATION ISOLATION MOUNTING K T
9. INTERLOCK WITH MANUAL WALL SWTICH
10. INTERLOCK WITH ROOM THERMOSTAT
11. PROVIDE CONSTANT PRESSURE TRANSDUCER FOR OPERATION W TH FILTER
12. PROVIDE MAINTENANCE H NGE AND CABLE ACCESSORY

DEHUMIDIFIER SCHEDULE

TAG	LOCATION	AREA SERVED	REFRIGERANT TYPE	CAPACITY (PINTS)	A RFLOW CFM HIGH)	V PH HZ	KW	UNIT WE GHT LBS	BASED ON	NOTES
D-1	VAULT 102	VAULT 102	R410A	70	194	120/1/60	0.75	50	FR GIDAIRE FAD704DWD	ALL

NOTES:
1. 1 DISPOSABLE FILTER.
2. PROV DE SUPPORTS FOR WALL MOUNTING
3. REMOTE WALL MOUNT HUMIDISTAT.
4. HARD WIRE IN FIELD.
5. STAND ALONE CONTROL PACKAGE.
6. PROV DE 3/4 PIPE TO NEAREST OPEN SITE DRAIN (SEE PLANS)
7. BACNET PROTOCOL INTERFACE WITH STATUS/ALARM OR DRY CONTACTS.
8. LOCAL SETPOINT ADJUSTMENT/DISPLAY

VARIABLE AIR VOLUME SCHEDULE

TAG	SERVING	COOLING MAX AIRFLOW CFM	COOLING MIN AIRFLOW CFM	INLET PRESSURE N W.G.	NLET SIZE (DIA) INCHES	REHEAT COIL	ELECTR C REHEAT COIL MAX HEATING CFM	MIN HEATING CFM	MIN TOTAL CAP KW	STEPS	SUMMER EAT DEG F	WINTER EAT DEG F	LAT DEG F	AMPS	V/PH HZ	OUTLET SIZE (WxH) INCHES	MAX. SOUND POWER (NC) AT 100% PRI. AIR & 1.0 INLET S.P. RADIATED NC	DISCHARGE NC	BASED ON MFGR / MODEL	SEE NOTES BELOW
VAV-1-1	OFF CE 100 / VAULT 102	425	225	0.7	8	ELECTRIC	425	200	4.0	MODULATE	55.0	55.0	85	19.2	208/1/60	12 x 10	25	25	TITUS DESV	1-6
VAV-1-2	BREAK ROOM 106	300	90	0.7	8	ELECTRIC	300	200	3.0	MODULATE	55.0	55.0	87	14.4	208/1/60	12 x 10	25	25	TITUS DESV	1-6
VAV 1-3	EXAM 107	200	90	0.7	6	ELECTRIC	200	110	2.0	MODULATE	55.0	55.0	87	9.6	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV-1-4	DOG WASH 110	150	50	0.7	6	ELECTRIC	150	110	1.0	MODULATE	55.0	55.0	76	4.8	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV-1-5	LAUNDRY 108	350	50	0 7	6	ELECTRIC	350	110	2.5	MODULATE	55.0	55.0	78	12.0	208/1/60	12 x 8	25	25	TITUS DESV	ALL
VAV 1-6	STORAGE 112	120	50	0.7	6	ELECTRIC	120	110	1.0	MODULATE	55.0	55.0	81	4.8	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV-1-7	STORAGE A 103	200	50	0.7	6	ELECTRIC	200	110	1.0	MODULATE	55.0	55.0	71	4.8	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV-1-8	DOG ISO ROOM 109B	325	325	0.7	6	ELECTRIC	325	110	3.0	MODULATE	55.0	55.0	84	14.4	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV-1-9	DOG ISO ROOM 109C	325	325	0.7	6	ELECTRIC	325	110	3.0	MODULATE	55.0	55.0	84	14.4	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV-1-10	CORRIDOR	800	800	0.7	10	ELECTRIC	800	320	5.0	MODULATE	55.0	55.0	75	24.0	208/1/60	14 x 12	25	25	TITUS DESV	ALL
VAV-2-1	CLASSROOM 104	1150	575	0.7	12	ELECTRIC	1150	450	7.0	MODULATE	55.0	55.0	74	33.7	208/1/60	16 x 15	25	25	TITUS DESV	1-6
VAV-2-2	DETECTION A	250	250	0.7	6	ELECTRIC	250	110	1.5	MODULATE	55.0	55.0	74	7.2	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV 2-3	DETECTION B	250	250	0 7	6	ELECTRIC	250	110	1.5	MODULATE	55.0	55.0	74	7.2	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV 2-4	DETECTION C	250	250	0.7	6	ELECTRIC	250	110	1.5	MODULATE	55.0	55.0	74	7.2	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV 2-5	DETECTION D	250	250	0.7	6	ELECTRIC	250	110	1.5	MODULATE	55.0	55.0	74	7.2	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV 2-6	DETECTION E	250	250	0 7	6	ELECTRIC	250	110	2.5	MODULATE	55.0	55.0	87	12.0	208/1/60	12 x 8	25	25	TITUS DESV	1-6
VAV 2-7	BOX ROOM 105	250	200	0.7	6	ELECTRIC	250	110	1.5	MODULATE	55.0	55.0	74	7.2	208/1/60	12 x 8	25	25	TITUS DESV	1-6

NOTES:
1 MED UM PRESSURE FLEXIBLE DUCTWORK IS NOT ALLOWED ON THE PRIMARY A R INLET.
2 PROVIDE 24 V AC INTERNAL CONTROL TRANSFORMER.
3 CONTROLLER, ACTUATOR, SPACE TEMPERATURE SENSOR PROVIDED UNDER TEMPERATURE CONTROLS SPECIFICATION.
4 PROVIDE SCR (MODULATING) ELECTRIC HEATING CONTROLS
5 HEATING MODE: MODULATE HEATING AIRFLOW FROM M N TO MAX WITH SCR REHEAT FROM M N TO MAX TO MA NTA N LAT AS SCHEDULED UNTIL ROOM HEATING SETPOINT IS SAT SFIED.
6 PROVIDE INTEGRAL DUCT ACCESS DOOR BETWEEN VAV BOX AND REHEAT
7 CONTROLLED BY DIFFERENTIAL PRESSURE SENSOR

HOOD SCHEDULE

TAG	LOCATION	MAX. AIR FLOW CFM	THROAT SIZE IN	THROAT VELOCITY FT MIN	PRESSURE DROP IN. WC.	BASED ON	NOTES
GIH-1	ROOF	400	12 DIA	488	0.040	GREENHECK GRSI	ALL

NOTES:
1. PROV DE 14 HIGH ROOF CURB.
2. PROV DE MOTORIZED DAMPER.
3. PROV DE NSECT SCREEN.
4. ANCHOR TIE DOWN
5. INSULATED HOOD UNDERSIDE

ELECTRONIC AIR CLEANER (BI-POLAR IONIZATION) SCHEDULE

TAG	ASSOCIATED SYSTEM	AIRFLOW CFM	DUCT SIZE (IN) (WxH)	V/PH/HZ	AMPS	BASED ON	NOTES
EAC-1	RTU-1	3,100	36x18	120 1/60	0.60	ATMOSAIR M1002	ALL
EAC-2	RTU-2	2,700	34x30	120 1/60	0.60	ATMOSAIR M1002	ALL
EAC-3	RTU-3	5,000	20x34	120 1/60	0.60	ATMOSA R 508FC	ALL

NOTES:
1. PROV DE DISCONNECT, COORDINATE WITH DIV 16
2. DUCT MOUNTED
3. INTERLOCK WITH RTU SUPPLY FAN
4. PROVIDE BACNET PROTOCOL INTERFACE OR DRY CONTACTS FOR ENABLE/D SABLE, STATUS AND ALARM.

MECHANICAL ABBREVIATIONS

A	
ADJ -	ADJUSTABLE
AHU -	AIR HANDLING UN T
AMP -	AMPERS
B	
B -	BOILER
BAS -	BUILDING AUTOMATION SYSTEM
BMCS -	BUILDING MANAGEMENT AND CONTROL SYSTEM
BTU -	BRIT SH THERMAL UNIT
C	
CH -	CHILLER
CHW -	CHILLED WATER
CHWP -	CHILLED WATER PUMP
CO -	CARBON MONOXIDE
CO2 -	CARBON DIOXIDE
CP -	CONTROL PANEL
D	
DB -	DRY BULB
DDC -	DIRECT DIGITAL CONTROL
E	
EF -	EXHAUST FAN
F	
°F -	DEGREE FAHRENHEIT
G	
GPM -	GALLON PER M NUTE
H	
HP -	HORSE POWER
HW -	HOT WATER
HWP -	HOT WATER PUMP
HWS -	HOT WATER SUPPLY
HWR -	HOT WATER RETURN
I	
ISO -	ISOLATION
L	
LB -	POUND
LPS -	LOW PRESSURE SWITCH
LWT -	LEAV NG WATER TEMPERATURE
M	
MBTU -	MILLION BTU
MECH -	MECHANICAL
N	
N/A -	NOT APPL CABLE
NC -	NORMALLY CLOSED
NO -	NORMALLY OPEN
NO2 -	NITROGEN D OXIDE
O	
OA -	OUTSIDE AIR
OAT -	OUTSIDE AIR TEMPERATURE
P	
PFS -	PRESSURE FILL SYSTEM
PPM -	PARTS PER MILLION
PWR -	POWER
R	
RA -	RETURN AIR
RBP -	RETURN BYPASS PUMP
RH -	RELATIVE HUMIDITY
RM -	ROOM
RWT -	RETURN WATER TEMPERATURE
S	
S/S -	START/STOP
SD -	SMOKE DETECTOR
SW -	WALL SWITCH
SWT -	SUPPLY WATER TEMPERATURE
T	
TEMP -	TEMPERATURE
TYP. -	TYPICAL
V	
V -	VOLTS
VFD -	VARIABLE FREQUENCY DRIVE
W	
W/ -	WITH
W.C. -	WATER COLUMN

MECHANICAL CONTROL SYMBOLS

SYMBOL	DESCRIPTION
	SPACE PRESSURE DIFFERENTIAL
	TEMPERATURE SENSOR WITH SINGLE ELEMENT
	TEMPERATURE SENSOR WITH AVERAGING ELEMENT
	DUCT HUMIDITY SENSOR
	SMOKE DETECTOR
OR AFMS	AIR FLOW MONITORING STATION
	COOLING/HEATING COIL
	FILTER
	DUCT STATIC PRESSURE SENSOR
OR	CURRENT SENSOR
	DAMPER ACTUATOR
	MANUAL SHUT-OFF SWITCH
	VARIABLE FREQUENCY DRIVE
	SUPPLY/RETURN/EXHAUST FAN
PFS	PRESSURE FILL SYSTEM
OR	MANUAL DAMPER
OR M	AUTOMATIC DAMPER (MOTORIZED)
EAC	ELECTRONIC AIR CLEANER

MECHANICAL CONTROL SYMBOLS

SYMBOL	DESCRIPTION
DPT	DIFFERENTIAL PRESSURE
T	TEMPERATURE SENSOR (RIG D ELEMENT IN WELL)
OR M	TWO WAY CONTROL VALVE
FM OR FLOW METER	FLOW METER
TEMP	TEMPERATURE SENSOR
RH%	RELATIVE HUMIDITY SENSOR
CO2	CARBON DIOX DE SENSOR
SW	WALL SWITCH
CO	CARBON MONOX DE SENSOR
	CONTROL OR POWER WIRING
	CHECK VALVE
	DAMPER

CONTROL SYMBOLS

WALL MOUNTED DEVICES

- T — TEMPERATURE SENSOR
- TST — THERMOSTAT
- H — HUM D TY SENSOR
- HST — HUMID STAT
- T/H — COMBO TEMP/HUMIDITY SENSOR
- CO2 — CARBON D OXIDE SENSOR
- BSP — BUILD NG STATIC PRESSURE SENSOR
- WS — WALL SWITCH
- OCC — OCCUPANCY SENSOR (WALL OR CEILING MOUNTED)
- O2 — CARBON MONOXIDE SENSOR
- REF — REFRIGERANT SENSOR

DUCT MOUNTED DEVICES

- T — DUCT TEMPERATURE SENSOR
- TST — DUCT THERMOSTAT
- H — DUCT HUM D TY SENSOR
- HST — DUCT HUM D STAT
- HHS — DUCT HIGH HUMIDITY SWITCH
- AFS — DUCT A RFLOW SWITCH
- DSP — DUCT STATIC PRESSURE SENSOR
- DSD — DUCT SMOKE DETECTOR
- AFMS — AIR FLOW MEASURING STATION

PIPE MOUNTED DEVICES

- FM — HYDRONIC FLOW METER
- T — HYDRONIC TEMPERATURE SENSOR

POINT TYPES:
AI = ANALOG INPUT
AO = ANALOG OUTPUT
DI = D SCRETE NPUT
DO = D SCRETE OUTPUT

POINTS LISTS:
THE POINTS IDENTIFIED N THE POINT LISTS ARE THE MINIMUM NUMBER OF POINTS ANTICIPATED TO ACHIEVE THE SEQUENCE OF OPERATION FOR EQUIPMENT CONTROLLED BY THE BUILDING AUTOMATION SYSTEM. INCLUDE ANY ADDITIONAL POINTS REQU RED TO EXECUTE THE SEQUENCE OF OPERATION.

MECHANICAL SYMBOLS:
SEE MECHANICAL CONTROLS SYMBOLS DETAILS (THIS PAGE) FOR SYMBOLS AND ABBREVIATIONS USED ON THE TEMPERATURE CONTROL DRAWINGS.

M SCELLANEOUS W R NG:
WIRING OF ANY AND ALL SENSORS, SWITCHES OR CONTROLS SHIPPED LOOSE WITH EQUIPMENT AND SYSTEMS WILL BE UNDER SPECIFICATION SECTION 15975.

WIRING INSTALLATION:
ALL TEMPERATURE CONTROL WIRING SHALL BE INSTALLED IN BLUE METAL CONDU T.

KEYED NOTES

1. ALL CONTROLLERS SHALL BE IDENTIFIED BY A PLASTIC ENGRAVED NAMEPLATE SECURELY FASTENED TO THE OUTSIDE OF THE CONTROLLER ENCLOSURE.

SYSTEM SERVED
NODE #

2. ALL LOCAL CONTROL PANELS SHALL BE IDENTIF ED BY A PLASTIC ENGRAVED NAMEPLATE SECURELY FASTENED TO THE OUTSIDE OF THE CONTROLLER ENCLOSURE.

PANEL #
CIRCU T # & ROOM
(OF POWER SOURCE)

3. ALL FIELD DEVICES SHALL BE IDENTIFIED BY A TYPED (NOT HANDWRITTEN) SECURELY ATTACHED TAG LABEL.

4. ALL PANEL DEVICES SHALL BE IDENTIFIED BY A TYPED LABEL SECURELY FASTENED TO THE BACK PLATE OF THE LOCAL CONTROL PANEL.

DEVICE NAME
POINT #/ADDRESS

5. ALL THE COVERS TO THE JUNCTION AND PULL BOXES OF THE CONTROL SYSTEM RACEWAYS SHALL BE PAINTED BLUE OR HAVE IDENTIFICATION LABELS STATING CONTROL SYSTEM WIRING AFFIXED TO THE COVERS. LABELS SHALL BE TYPED, NOT HAND WRITTEN.

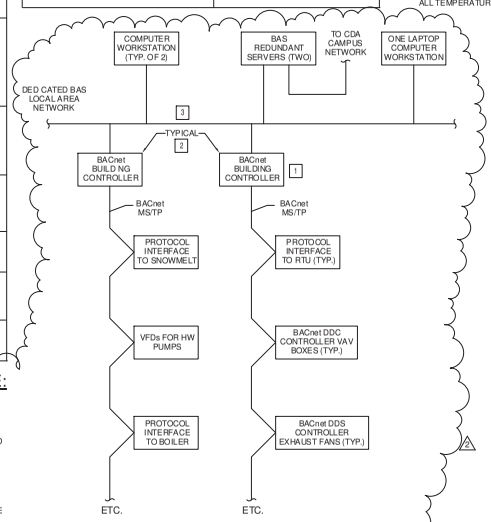
6. ALL LOW AND LINE VOLTAGE CONTROL WIRING SHALL BE IDENTIFIED BY A NUMBER, AS REFERENCED TO THE ASSOCIATED CONTROL DIAGRAM, AT EACH END OF THE CONDUCTOR OR CABLE. IDENTIFICATION NUMBER SHALL BE PERMANENTLY SECURED TO THE CONDUCTOR OR CABLE AND SHALL BE TYPED.

GENERAL NOTES:

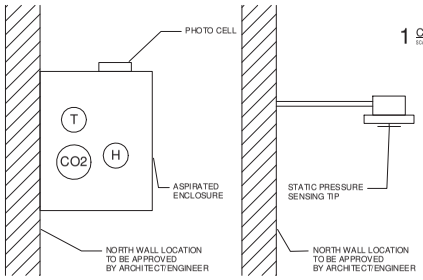
1. PROVIDE BUILDING AUTOMATION SYSTEM (BAS) TO MONITOR AND CONTROL/SYSTEMS & EQUIPMENT SHOWN ON THE CONSTRUCTION DOCUMENTS.
2. NCLUDE ALL HARDWARE, SOFTWARE, LICENSES, WIRING, CONDUIT, PROGRAMM NG, GRAPHICS, AND ACCESSORIES AS NEEDED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM. THE BUILDING AUTOMATION SYSTEM SHALL BE FULLY FUNCTIONAL AND INITIALLY OPERATES STAND ALONE. ALL TRENDING, SOFTWARE, HARDWARE, LICENSES AND PROGRAMMING SHALL BE STORED BACKED UP LOCALLY ON THE SYSTEM SERVERS / WORKSTATIONS. TRENDS SHALL BE STORED FOR 7 YEARS. PROVIDE ALL INFRASTRUCTURE INCLUDING EMPTY TEMPERATURE CONTROLS METAL CONDUIT (1-1/2) TO PROVIDE A FIBER INTERFACE FROM THE BUILD NGS BAS SYSTEM OUT TO THE FURTHEST END OF THE CED (COMBINED ELECTRICAL DISTRIBUTION DUCT). SEE CIVIL DRAWINGS FOR DUCT LOCATION / ROUTING. COORDINATE FUTURE INTEGRAT ON INFRUSTRUCTURE REQUIREMENTS NTO THE CAMPUS BU LDING AUTOMATION/ FIRE ALARM SYSTEMS WITH CDA. 2
3. ALL CONTROLS SHALL BE IN COMPL ANCE WITH ENERGY CODE: IECC 2018.
4. ALL CONTROLS SHALL BE IN COMPLIANCE WITH CHICAGO DEPARTMENT OF AVIAT ON (CDA) STANDARDS.
5. ALL HARDWARE AND SOFTWARE SHALL BE OFF THE SHELF , THAT IS ADVERTIZED AND READILY AVAILABLE FOR PURCHASE ON THE OPEN MARKET. NO CUSTOM HARDWARE OR SOFTWARE COMPONENTS SHALL BE USED. CUSTOM CONFIGUR NG IS NECESSARY AND ACCEPTABLE.
6. BMCS IS CONF GURED WITH THREE SEPARATE AND DISTINCT LEVELS OF FUNCTIONALITY. EACH LEVEL SHALL BE CAPABLE OF OPERAT NG INDEPENDENTLY IF REQUIRED.
   - 6.1. MANAGEMENT LEVEL NETWORK (MLN): THEENTERPRISE LEVEL PROVIDING CENTRAL MANAGEMENT OF THE BMCS 2
   - 6.2. BUILDING LEVEL NETWORK (BLN): DEDICATED POS SYSTEM LEVEL WH CH RUN SIEMENS BUILDING CONTROL SOFTWARE.
   - 6.3. FLOOR LEVEL NETWORK (FLN): CONSISTS OF SIEMENS STAND ALONE CONTROLLER UNITS (SCU S), MODULAR APPLICATION LEVEL BUILDING CONTROLLERS (MBCS) AND OTHER SIEMENS PROGRAMMABLE DEVICES. 2
7. MLD SYSTEM SERVERS, BU LDING SERVERS, AND DEDICATED WORKSTATIONS SHALL RUN ON THE EXISTING CITYWIDE INTERNET NETWORK.
8. ALL SYSTEMS SHALL BE BACNET, AND ALL BACnet CONTROLLERS SHALL BE BTL LISTED.
9. ALL POINTS LISTED IN THE DESIGN DOCUMENTS SHALL BE PROVIDED. COORDINATE W TH THE RTU/MAU MANUFACTURER WHICH P NTS ARE PROVIDED WITH EQUIPMENT AND WHICH POINTS/COMPONENTS MUST BE PROV DED IN THE FIELD BY THE BUILDING AUTOMATION SYSTEM PROVIDER. ALL POINTS MUST BE PROVIDED.
10. DIRECT ATTACHMENT TO BUILDING SERVERS SHALL BE VIA DEDICATED WIRE AND FIBER OPT C CABLE, MICROWAVE AND TELEMETRY COMMUNICATIONS SYSTEMS.

KEYED NOTES - BAS ARCHITECTURE:

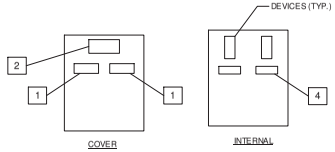
1. BACNET CONTROLLERS: PROV DE AS MANY BACNET BUILDING CONTROLLERS AS REQUIRED TO PROVIDE COMMUNICATIONS.
2. SYSTEM CAPACITY: BACNET MS/TP SHALL BE ARCHITECTED SO THE TOTAL NUMBER OF DEVICES ON EACH BUS DOES NOT EXCEED 75% OF THE FULL CAPACITY OF THE BUS AND 75% OF THE RATED NODE CAPAC TY OF THE BUILDING CONTROLS.
3. LOCAL AREA NETWORK WIRING: THE CONTRACTOR IS RESPONSIBLE FOR PROV D NG ALL COMPONENTS AND WIRING FOR THE DEDICATED LOCAL AREA NETWORK CABLING FOR THE BACNET/ P COMMUNICATIONS. THIS INCLUDES ALL WIRING, HUBS, SWITCHES, ROUTERS, ETC. AS REQUIRED TO ESTABLISH A TOTAL LOCAL AREA NETWORK.



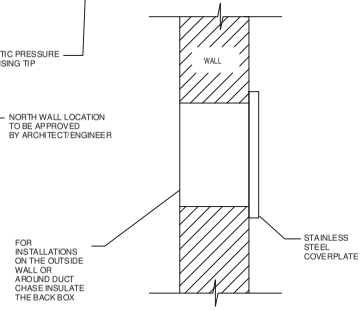
4 BUILDING AUTOMATION SYSTEM NETWORK ARCHITECTURE



2 OUTDOOR SENSOR DETAILS



1 CONTROL PANEL



3 SPACE SENSOR

DRAWN BY	ALR	DATE	10/16/2019
CHECKED BY	JCP	DATE	10/16/2019

Primera
100 S. WACKER DRIVE, SUITE 700 , CHICAGO IL 60606 P:312-986-0970 F:312-986-0983

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

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

TEMPERATURE CONTROLS

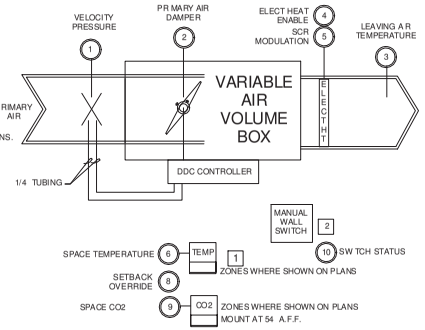
M7.0
DRAWING NO.
597 OF 635

KEYED NOTES - THIS PAGE

1 SPACE SENSORS:
PROVIDE SPACE SENSORS WITH LCD DISPLAYS, SETBACK OVERRIDE BUTTONS, AND SETPOINT ADJUSTMENT. SEE PLAN DRAWINGS FOR LOCATION OF SPACE SENSORS. MOUNT 54 A.F.F.

2 MANUALLY SWITCHED
PROVIDE MANUAL TOGGLE SWITCH W TH LED LIGHT AS SHOWN ON PLANS (RTU-2 SYSTEM). SW TCH SHALL OPEN ALL RTU-2 VAV BOX TO BE CONSTANT AIRFLOW, AND ACTIVATE ASSOCIATED EXHAUST FANS. SWITCH SHALL HAVE SIGN/ LABEL AND LED LIGHT INDICATING ROOM IS ACTIVE / N USE

3 PROVIDE CURRENT SENSOR



1 VAV AIR VOLUME (VAV) ELECTRIC REHEAT (TYP)
SCALE NTS

VARIABLE AIR VOLUME BOX											
POINT NUMBER	POINT DESCR PTOR	HARDWIRED POINTS DI	AI	DO	AO	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPH C SCREEN	SUPPLEMENTAL NOTES
1	VELOCITY PRESSURE (PR MARY AIRFLOW)		X						15 MIN	YES	
2	PRIMARY AIR DAMPER				X				15 MIN	YES	
3	LEAVING AIR TEMPERATURE		X						15 MIN	YES	
4	ELECTRIC REHEAT ENABLE	X							15 MIN	YES	
5	SCR REHEAT MODULATION				X				15 MIN	YES	
6	SPACE TEMPERATURE		X						15 MIN	YES	
7	SETPOINT ADJUSTMENT		X						COV	YES	
8	SETBACK OVERRIDE	X							COV	YES	
9	CO2		X						COV	YES	
10	CAV/VAV WALL SWITCH STATUS	X							COV	YES	

SEQUENCE OF OPERATION - VAV BOX WITH/WITHOUT ELECTRIC REHEAT:

A. SCHEDULING:
1. THE VAV BOXES SHALL OPERATE BASED ON AN OCCUPANCY SCHEDULE.
2. ALL VAV BOXES SHALL FOLLOW THE SCHEDULE OF THE ASSOCIATED RTU.

B. SPACE TEMPERATURE SETPOINTS:
1. IN THE OCCUPIED MODE, THE UNITS SHALL MA NTAIN SPACE TEMPERATURE SETPOINTS OF 74ºF (ADJ) FOR COOLING AND 70ºF (ADJ) FOR HEATING.
2. IN THE UNOCCUPIED MODE, THE SPACE TEMPERATURE SETPOINTS SHALL BE 80ºF FOR COOLING AND 60ºF FOR HEATING.

C. T MED LOCAL OVERR DE:
1. TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERR DE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUP ED MODE FOR AN ADJUSTABLE PERIOD OF T ME.
2. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMAT CALLY RETURN TO THE SCHEDULE.
3. AT THE OWNER S DISCRET ON, THE OVERRIDE BUTTON MAY BE DISABLED.

D. MORNING WARM-UP MODE:
1. WHEN THE RTU IS MORNING WARM-UP OR MORNING COOL-DOWN MODE, THE VAV BOX PRIMARY AIR DAMPERS SHALL BE OPEN.
2. AFTER MORN NG WARM-UP OR MORNING COOL-DOWN MODE HAS ENDED, VAV BOX CONTROL SHALL TRANS TION TO OCCUPIED MODE AS DEF NED BELOW.

E. OCCUPIED MODE:
1. WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING A RFLOW (ADJ.) UNTIL THE ZONE S SATISFIED.
2. WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE ZONE DAMPER SHALL MAINTA N THE MINIMUM OCCUPIED AIRFLOW (ADJ.).
3. WHEN ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE CONTROLLER SHALL MODULATE THE ELECTRIC REHEAT COIL (SCR) TO MAINTAIN A LAT OF 85ºF (INITIAL, ADJUSTABLE, MAY BE DIFFERENT PER VAV), AND THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJUSTABLE, INITIALLY SET TO HEATING AIRFLOW VAV MAXIMUM) AND THE MAXIMUM VAV BOX AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED. NOTE: UNITS WITHOUT REHEAT SHALL MODULATE TO MINIMUM DAMPER POSITION WHEN DISCHARGE AIR TEMPERATURE AND SPACE TEMPERATURE IS BELOW SPACE TEMPERATURE SETPOINT (ADJUSTABLE). IF DISCHARGE AIR IS ABOVE SPACE TEMPERATURE SETPOINT, DAMPER SHALL MODULATE TO MA NTAIN SPACE TEMPERATURE.

F. DEMAND CONTROL VENT LATION (DCV) MODE:
1. DESIGNATED ZONE SHALL HAVE SPACE CO2 (CARBON DIOXIDE) SENSORS. THESE ZONES SHALL MODULATE THEIR PRIMARY AIR DAMPERS BETWEEN ITS NORMAL POSITIONS (AS DEFINED ABOVE) AND THEIR MAX MUM CFM POSITIONS TO MAINTAIN CO2 LEVELS UNDER THE DCV SETPO NT OF 1,000 PPM.
2. CO2 LEVELS SHALL BE CONTROLLED AT 1,000 PPM ZONE LEVEL BY OVERRIDING THE NORMAL SPACE TEMPERATURE ALGORITHM. TEMPERATURE CONTROL WILL BE COMPENSATED VIA ELECTRIC REHEAT CONTROL.
3. ZONE CONTROLLERS SHALL BEGIN THE DCV OVERRIDE SEQUENCE WHEN THE SPACE CO2 LEVEL EXCEEDS 900 PPM. AT 1,000 PPM, THE VAV BOX DAMPER SHALL PROVIDE THE MAXIMUM CFM ALLOWED AND IT SHALL INITIATE AN IAQ CALL TO ITS ASSOCIATED RTU.
4. ALARM WHEN CO2 IS GREATER THAN 1100 PPM.

G. UNOCCUPIED MODE:
1. WHEN ALL ZONES ARE UNOCCUPIED AND THE ASSOCIATED RTU SUPPLY FAN IS OFF, THE ZONE DAMPERS SHALL BE OPEN.
2. WHEN THE ZONE TEMPERATURE IS GREATER THAN ITS UNOCCUP ED COOLING SETPOINT, THE VAV BOX SHALL COMMUNICATE A NEED FOR UNOCCUPIED COOLING TO THE RTU, AND THE ZONE DAMPER SHALL MODULATE TO ITS MAXIMUM COOLING AIRFLOW (ADJ.) UNT L THE ZONE IS SATISFIED.
3. WHEN ZONE TEMPERATURE IS LESS THAN ITS UNOCCUPIED HEATING SETPOINT, THE CONTROLLER SHALL COMMUNICATE WITH THE RTU TO START ITS SUPPLY FANS. THE ZONE SHALL MODULATE THE REHEAT COIL TO MAINTAIN A LAT OF 85ºF (ADJUSTABLE), AND THE ZONE DAMPER SHALL MODULATE TO ITS MAXIMUM AIRFLOW (A.D.) UNTIL THE ZONE IS SATISFIED.

H. ELECTRIC REHEAT CONTROL:
1. MODULATION CONTROL OF THE ELECTRIC REHEAT COIL SHALL BE ANALOG W TH POSITION FEEDBACK. PROVIDE ANALOG FEEDBACK OF % AS INPUT TO BAS.

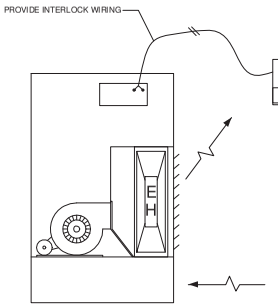
H. RTU-2 VAV / CAV SWITCH CONTROL:
1. WHEN THE SWITCH IS NDEXED ON (TRAINING MODE), ALL RTU-2 VAVs SHALL OPEN TO MAX COOLING A RFLOW SETPO NT AND REHEAT COILS SHALL MODULATE TO MAINTAIN ZONE SETPOINTS. WHEN INDEXED OFF, TERMINALS SHALL RETURN TO NORMAL VAV CONTROL.

SEQUENCE OF OPERATION :

ELECTRIC UNIT/CABINET UNIT HEATER

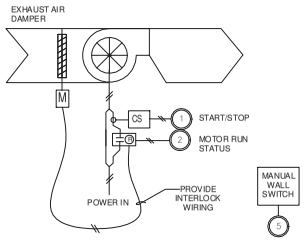
A. CONTROL: THESE SYSTEMS HAVE FACTORY PROVIDED CONTROLS. WHEN THE SPACE TEMPERATURE, AS MEASURED AT THE WALL MOUNTED THERMOSTAT, IS LESS THAN SETPOINT THE SYSTEM ENABLES TO ENERGIZE TO MAKE WARM AIR.

B. SPACE TEMPERATURE SETPOINT: THE SYSTEMS SHALL BE SET AS FOLLOWS:
1. HEATING SETPOINT: 68F



2 CABINET UNIT HEATERS/UNIT HEATERS- ELECTRIC
SCALE NTS

3 NOT USED
SCALE NTS

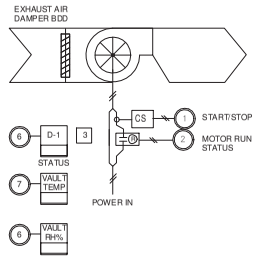


4 EF-A MANUAL SWITCHED EXHAUST FAN (TYPICAL FOR EF-3,4,6,12)
SCALE NTS

SEQUENCE OF OPERATION :

PROVIDE A SINGLE BAS WALL SWITCH. MONITOR STATUS (ON/OFF) OF WALL SWITCH. WHEN SWITCH S INDEXED TO ON, COMMAND ASSOCIATED EXHAUST FAN ON (EF-3,4,12). PROVIDE CURRENT SENSOR ON EACH FAN AND MONITOR STATUS OF FAN. ALARM WHEN SWITCH S IN THE ON POSITION OR THE BAS COMMANDS THE FANS ON AND ANY FAN STATUS DOES NOT MATCH THE SWITCH POSITION OR COMMANDED STATE. WHEN SWITCH IS INDEXED TO ON, THE SPACE SHALL BE IN TRAINING MODE AND RTU-2 SHALL OPERATE AT 100% OA AND ASSOCIATED VAV TERMINALS SHALL OPERATE AT CONSTANT VOLUME. SEE RTU & VAV SEQUENCES. PROVIDE A GRAPHICAL BUTTON TO ALLOW THE BAS OPERATOR TO OVERRIDE THE STATUS OF THE WALL SWITCH.

PROVIDE A SINGLE BAS WALL SWITCH. MONITOR STATUS (ON/OFF) OF WALL SWITCH. WHEN SWITCH S INDEXED TO ON, COMMAND ASSOCIATED EXHAUST FAN ON (EF-6). PROVIDE CURRENT SENSOR ON EACH FAN AND MONITOR STATUS OF FAN. ALARM WHEN SWITCH S IN THE ON POSITION OR THE BAS COMMANDS THE FANS ON AND ANY FAN STATUS DOES NOT MATCH THE SWITCH POSITION OR COMMANDED STATE.

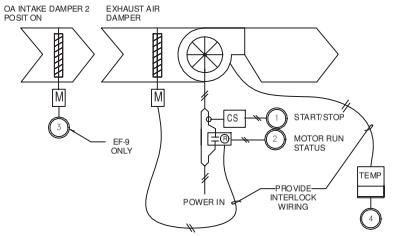


5 EF-B SCHEDULED EXHAUST FAN: (TYPICAL FOR EF-1,2 5,7,8)
SCALE NTS

SEQUENCE OF OPERATION :

PROVIDE INDIVIDUAL OCCUPIED/UNOCCUPIED ADJUSTABLE SCHEDULE FOR EACH EXHAUST FAN. INITIAL SCHEDULE SHALL MATCH RTU SERVING THE ASSOCIATED ZONE AREAS. ALARM WHEN FAN STATUS DOES NOT MATCH SCHEDULED/COMMANDED ON STATE. PROVIDE CURRENT SENSOR TO DETERMINE FAN STATUS.

PROVIDE A CURRENT SENSOR ON DEHUMIDIFIER D-1 TO MONITOR THE UNIT OPERATING STATUS. MANUALLY SET D-1 TO MAINTAIN 50%RH IN THE VAULT. MONITOR THE VAULT SPACE TEMPERATURE AND RELATIVE HUM DITY. ALARM IF THE SPACE TEMPERATURE EXCEEDS 80F (ADJ). ALARM IF THE SPACE RELATIVE HUM DITY EXCEEDS 55% RH (ADJ). VAULT SENSORS AND D-1 ARE ASSOCIATED WITH EF-5. EF-5 SHALL INITIALLY OPERATE IN OCCUPIED MODE 24/7.



6 EF-C EXHAUST FAN T-STAT: (TYPICAL FOR EF-9,11)
SCALE NTS

SEQUENCE OF OPERATION :

WHEN THE SPACE TEMPERATURE EXCEEDS 80F (ADJ), OPEN THE OUTSIDE AIR DAMPER, OPEN THE EXHAUST FAN DAMPER AND START THE EXHAUST FAN. WHEN THE SPACE TEMPERATURE IS BELOW 70F (ADJ), CLOSE THE OUTSIDE A R DAMPER, CLOSE THE EXHAUST DAMPER AND TURN OFF THE EXHAUST FAN. WHEN THE SPACE TEMPERATURE IS BETWEEN SETPOINTS THE FAN SHALL REMAIN IN THE LAST COMMANDED STATE. PROVIDE A CURRENT SENSOR ON EACH FAN TO DETERMINE STATUS. ALARM WHEN THE FAN STATUS DOES NOT MATCH THE COMMANDED STATE.

POINTS LIST - SCHEDULED EXHAUST											
POINT NUMBER	POINT DESCRIPTOR	HARDWIRED PO NTS DI	AI	DO	AO	VIRTUAL PO NTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TREND LOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	EF-X START/STOP			X					COV	YES	
2	EF-X MOTOR RUN STATUS	X							COV	YES	
3	OA INTAKE			X					COV	YES	
4	SPACE TEMP		X						5 MIN	YES	
5	WALL SWITCH	X							COV	YES	
6	VAULT DEHUMIDIFIER (D-1) STATUS	X							COV	YES	PROVIDE CURRENT SENSOR
7	VAULT SPACE TEMP		X						5 MIN	YES	
8	VAULT RELATIVE HUMIDITY		X						COV	YES	
9	VAULT DEHUMIDIFIER (D-1) ALARM	X							COV	YES	

DRAWN BY ALR DATE 10/16/2019
CHECKED BY JCP DATE 10/16/2019

Primera
100 S. WACKER DRIVE, SUITE 700 , CHICAGO IL 60606 P:312-606-0970 F:312-606-0973

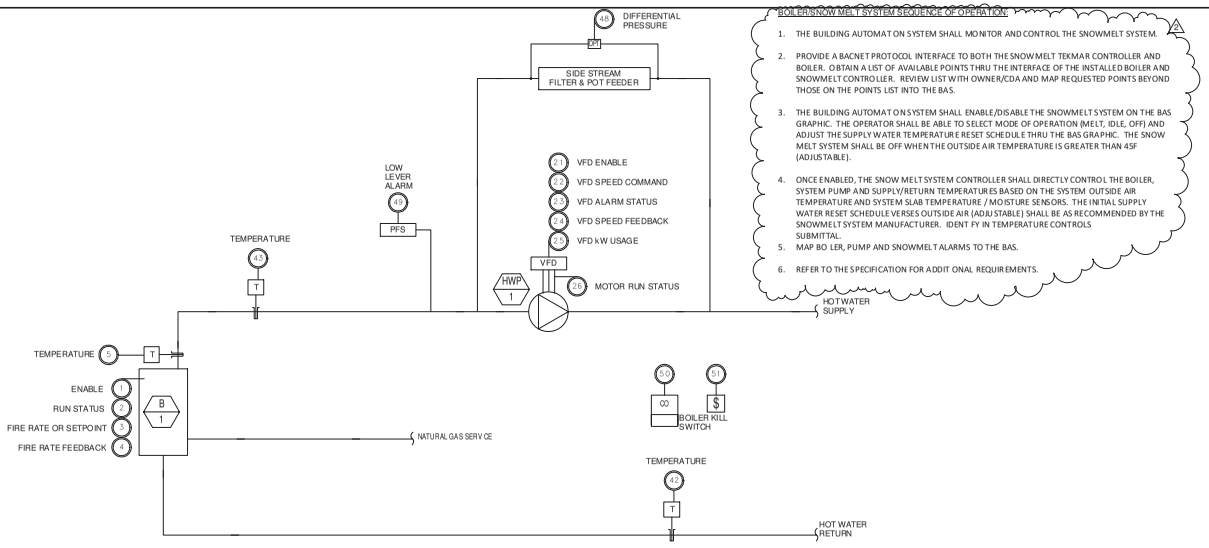
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

TEMPERATURE CONTROLS

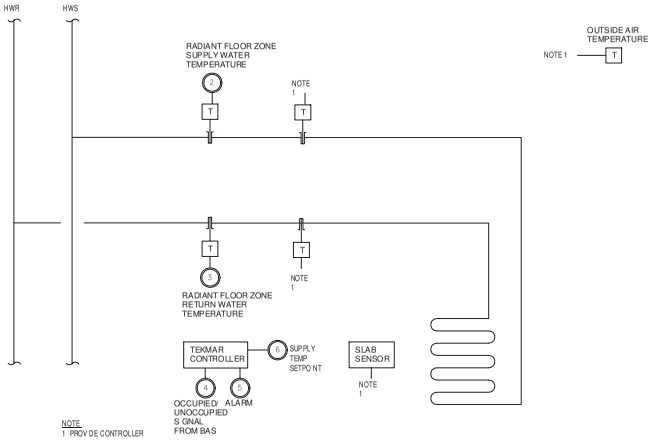
M7.4
DRAWING NO.
601 OF 635



1 HOT WATER SYSTEM
SCALE NTS

BOILER/SNOW MELT SYSTEM SEQUENCE OF OPERATION:

1. THE BUILDING AUTOMATION SYSTEM SHALL MONITOR AND CONTROL THE SNOWMELT SYSTEM.
2. PROVIDE A BACNET PROTOCOL INTERFACE TO BOTH THE SNOW MELT TEKMAR CONTROLLER AND BOILER. OBTAIN A LIST OF AVAILABLE POINTS THRU THE INTERFACE OF THE INSTALLED BOILER AND SNOWMELT CONTROLLER. REVIEW LIST WITH OWNER/CDA AND MAP REQUESTED POINTS BEYOND THOSE ON THE POINTS LIST INTO THE BAS.
3. THE BUILDING AUTOMATION SYSTEM SHALL ENABLE/DISABLE THE SNOWMELT SYSTEM ON THE BAS GRAPHIC. THE OPERATOR SHALL BE ABLE TO SELECT MODE OF OPERATION (MELT, IDLE, OFF) AND ADJUST THE SUPPLY WATER TEMPERATURE RESET SCHEDULE THRU THE BAS GRAPHIC. THE SNOW MELT SYSTEM SHALL BE OFF WHEN THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 45F (ADJUSTABLE).
4. ONCE ENABLED, THE SNOW MELT SYSTEM CONTROLLER SHALL DIRECTLY CONTROL THE BOILER, SYSTEM PUMP AND SUPPLY/RETURN TEMPERATURES BASED ON THE SYSTEM OUTSIDE AIR TEMPERATURE AND SYSTEM SLAB TEMPERATURE / MOISTURE SENSORS. THE INITIAL SUPPLY WATER RESET SCHEDULE VERSES OUTSIDE AIR (ADJUSTABLE) SHALL BE AS RECOMMENDED BY THE SNOWMELT SYSTEM MANUFACTURER. IDENTIFY IN TEMPERATURE CONTROLS SUBMITTAL.
5. MAP BOILER, PUMP AND SNOWMELT ALARMS TO THE BAS.
6. REFER TO THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.



NOTE
1 PROVIDE CONTROLLER SIMILAR TO TEKMAR CONTROLLER INDEPENDENT OF BAS RECEIVES OCC/UNOCC SIGNAL FROM BAS

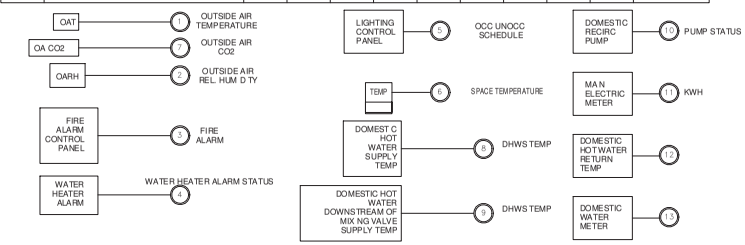
2 RADIANT FLOOR CONTROL
SCALE NTS

HOT WATER SYSTEM

POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS D	A	DO	AO	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TRENDLOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	B-1 ENABLE			X					COV	YES	
2	B-1 RUN STATUS	X							COV	YES	
3	B-1 FIRING RATE COMMAND				X				COV	YES	
4	B-1 SETPOINT COMMAND				X				COV	YES	
4	B-1 FIRING RATE FEEDBACK		X						5 MIN	YES	
5	B-1 LEAVING WATER TEMPERATURE		X						5 MIN	YES	
21	HWP-1 VFD ENABLE			X					COV	YES	
22	HWP-1 VFD SPEED COMMAND				X				COV	YES	
23	HWP-1 VFD GENERAL ALARM STATUS	X							COV	YES	
24	HWP-1 SPEED FEEDBACK		X						5 MIN	YES	
25	HWP-1 kW CONSUMPTION		X						5 MIN	YES	
26	HWP-1 MOTOR RUN STATUS	X							COV	YES	
41	TEMPERATURE - RETURN FROM LOAD		X						5 MIN	YES	
42	TEMPERATURE - ENTERING BOILER		X						5 MIN	YES	
43	TEMPERATURE - LEAVING BOILER		X						5 MIN	YES	
45	MIN FLOW BYPASS VALVE MODULATE				X				COV	YES	
46	HYDRONIC DIFFERENTIAL PRESSURE		X						5 MIN	YES	
47	HYDRONIC FLOW (THRU BOILER)		X						5 MIN	YES	
48	SIDE STREAM FILTER DIFF PRESSURE		X						5 MIN	YES	
49	PRESS FIL SYSTEM - LOW LEVEL ALARM	X							COV	YES	
50	CARBON MONOXIDE		X						5 MIN	YES	
51	BOILER KILL SWITCH	X							COV	YES	

RADIANT FLOOR

POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS D	A	DO	AO	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TRENDLOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	PUMP RUN STATUS	X							COV	YES	
2	SUPPLY WATER TEMPERATURE		X						5 MIN	YES	TYP OF 2
3	RETURN WATER TEMPERATURE		X						5 MIN	YES	TYP OF 2
4	OCCUPIED/UNOCCUPIED SIGNAL FROM BAS			X					COV	YES	
5	TEKMAR ALARM	X							COV	YES	
6	RADIANT FLOOR HWS SETPOINT		X						5 MIN	YES	



3 MISCELLANEOUS POINTS
SCALE NTS

SEQUENCES OF OPERATION (MISCELLANEOUS) :

1. MONITOR THE SITE OUTSIDE AIR TEMPERATURE, RELATIVE HUMIDITY AND CO2 LEVELS. LOCATE ON THE NORTH SIDE OF THE BUILDING IN A PROTECTED ENCLOSURE.
2. PROVIDE A BACNET PROTOCOL INTERFACE TO THE FIRE ALARM SYSTEM. IDENTIFY SPECIFIC ALARMS AT THE BAS WORKSTATION.
3. MONITOR THE GENERAL ALARM DRY CONTACTS ON THE WATER HEATER. ALARM AT THE BAS WORKSTATION WHEN THE WATER HEATER IS IN ALARM.
4. PROVIDE A BACNET PROTOCOL INTERFACE TO THE LIGHTING CONTROL SYSTEM. MAP ALL LIGHTING CONTROL OCCUPANCY SENSORS INTO THE BAS. DISPLAY OCCUPANY STATUS ON THE TEMPERATURE ZONING GRAPHICAL FLOOR PLAN AND WITH EACH ASSOCIATED VAV TERMINAL/ EXHAUST FAN / RTU GRAPHIC. PROVIDE LIGHTING SCHEDULES THROUGH THE BAS. COORDINATE SCHEDULES WITH OWNER.
5. MONITOR SPACE TEMPERATURE SENSORS WHERE SHOWN ON PLANS AND TEMPERATURE CONTROL DIAGRAMS.
6. PROVIDE TEMPERATURE SENSOR IN THE DOMESTIC HOT WATER SUPPLY PIPE LEAVING THE WATER HEATER. ALARM IF THE TEMPERATURE IS BELOW 130F (ADJ) OR ABOVE 145F (ADJ).
7. PROVIDE TEMPERATURE SENSOR IN THE DOMESTIC HOT WATER SUPPLY PIPE LEAVING THE MASTER MIXING VALVE. ALARM IF THE TEMPERATURE IS BELOW 105F (ADJ) OR ABOVE 125F (ADJ).
8. PROVIDE TEMPERATURE SENSOR IN THE DOMESTIC HOT WATER RETURN PIPE DOWNSTREAM OF THE HOT WATER RECIRC PUMP. PROVIDE CURRENT SENSOR ON THE DOMESTIC RECIRC PUMP. MONITOR STATUS OF THE PUMP. ALARM IF THE RETURN WATER TEMPERATURE IS BELOW 100F (ADJ) AND THE RECIRC PUMP STATUS IND CAIES OFF. COORDINATE PUMP AQUASTAT SETPOINT WITH PLUMBER. INITIAL SETPOINT 105F (ADJ).
9. PROVIDE CURRENT SENSOR / METER ON THE MAIN BUILDING SERVICE. MONITOR BUILDING POWER USAGE. SAMPLE EVERY 15 MINUTES. REPORT AND STORE METER DATA AS INDICATED IN ASHRAE 90.1 2016.

MISCELLANEOUS POINTS

POINT NUMBER	POINT DESCRIPTOR	HARDWIRED POINTS D	A	DO	AO	VIRTUAL POINTS	PROTOCOL INTERFACE POINTS RO	RW	POINT TRENDLOGGED	POINT ON GRAPHIC SCREEN	SUPPLEMENTAL NOTES
1	OA TEMPERATURE		X						15 MIN	YES	
2	OA HUMIDITY		X						15 MIN	YES	
3	FIRE ALARM STATUS	X							COV	YES	
4	WATER HEATER ALARM	X							COV	YES	
5	LIGHTING SYSTEM SCHEDULE	X							COV	YES	TYP OF 8
6	SPACE TEMPERATURE		X						5 MIN	YES	
7	OA CO2		X						5 MIN	YES	
8	SUPPLY TEMP		X						5 MIN	YES	
9	DOMESTIC MIXING VALVE HWS TEMP		X						5 MIN	YES	
10	RECIRC PUMP STATUS	X							COV	YES	
11	ELECTRIC METER KWH		X						15 MIN	YES	
12	DOMESTIC HWR TEMP		X						5 MIN	YES	
13	DOMESTIC WATER METER		X						5 MIN	YES	

DRAWN BY ALR	DATE 10/16/2019	Primera 100 S. WACKER DRIVE, SUITE 700, CHICAGO, IL 60606 P:312-606-9700 F:312-606-9703	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY JCP	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	Addendum #2

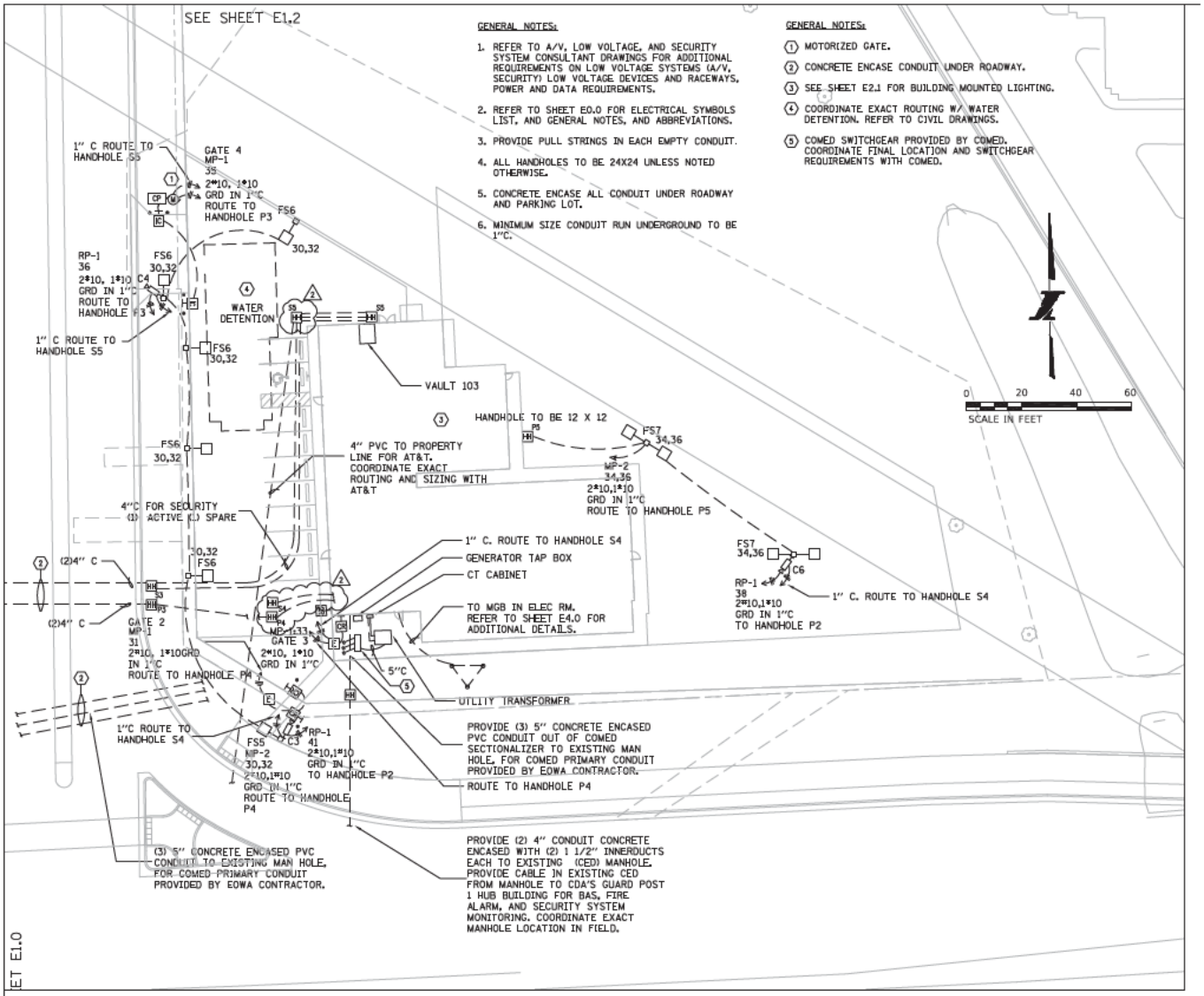
CONTRACT NO. I-18-4704

TEMPERATURE CONTROLS

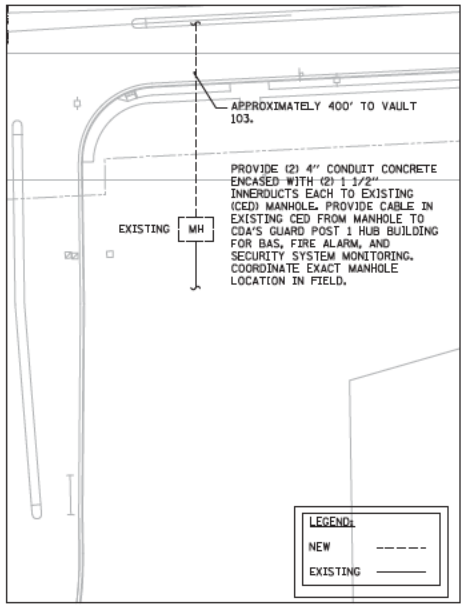
M7.5

DRAWING NO.

602 OF 635

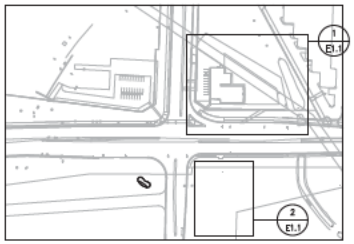


1 SITE PLAN
SCALE: 1" = 20'-0"



2 PARTIAL ENLARGED SITE PLAN
SCALE: 1" = 40'-0"

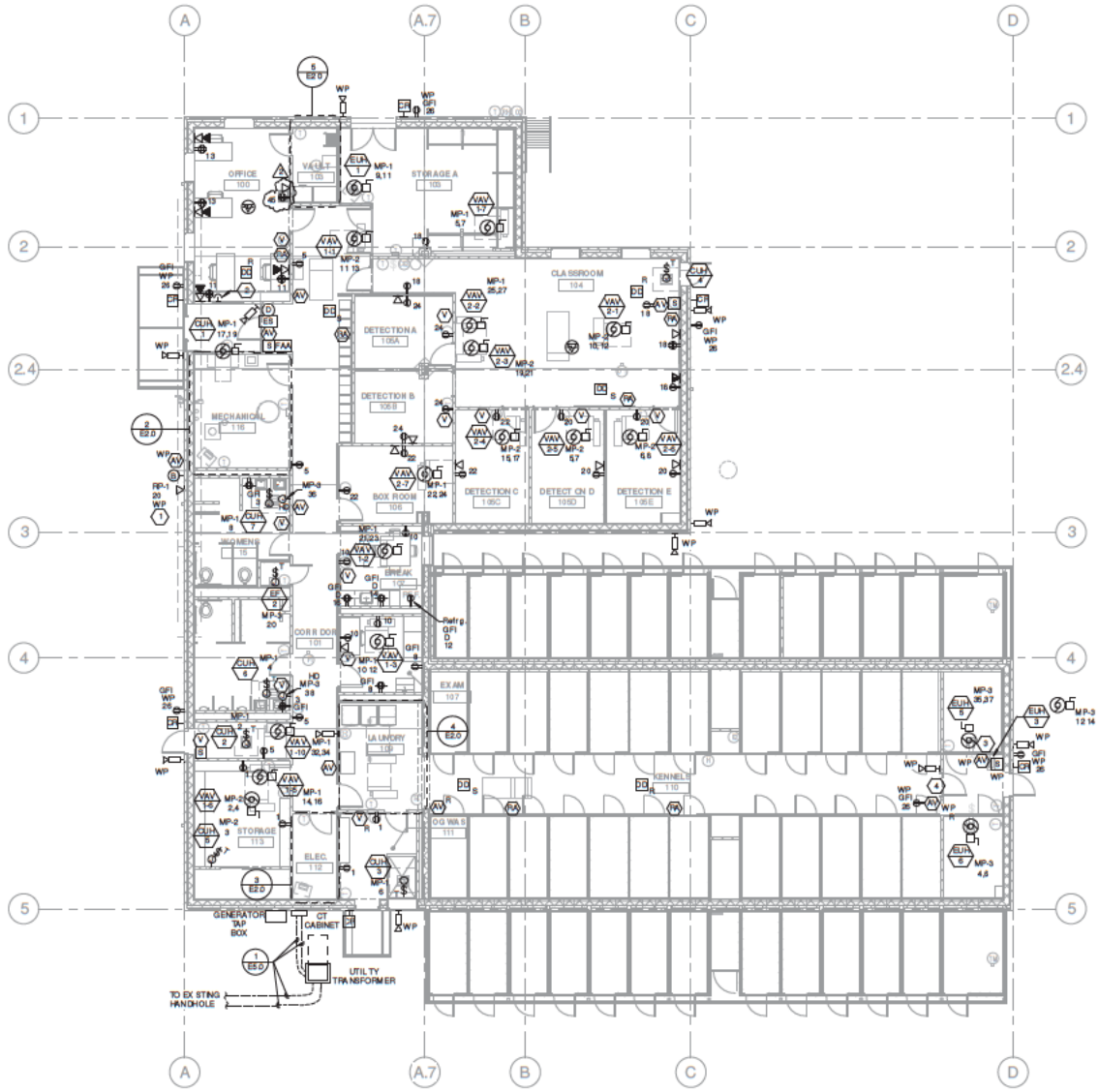
0 40 80 120
SCALE IN FEET



DRAWN BY AK	DATE 10/16/2019	Primera	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515
CHECKED BY DSS	DATE 10/16/2019		

REVISIONS		
NO.	DATE	DESCRIPTION
1	03/03/2020	Addendum #2

CONTRACT NO. I-18-4704	E1.1
ELECTRICAL SITE PLAN	DRAWING NO. 621 OF 635



1 Level 1 - FLOOR PLAN - POWER AND MISC. SYSTEMS
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO A/V, LOW VOLTAGE, AND SECURITY SYSTEM CONSULTANTS, DRAWINGS FOR ON LOW VOLTAGE SYSTEMS (AV, SECURITY) LOW VOLTAGE DEVICES AND PATHWAYS, POWER AND DATA REQUIREMENTS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT DEVICE LOCATIONS.
2. REFER TO SHEET E0.0 FOR ELECTRICAL SYMBOLS LIST, AND GENERAL NOTES, AND ABBREVIATIONS.
3. ALL CIRCUIT NUMBERS SHOWN ARE FED FROM PANEL RF-1, UNLESS NOTED OTHERWISE.
4. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF ELECTRICAL CONNECTIONS OF ALL RESPECTIVE EQUIPMENT.
5. REFER TO MOTOR/EQUIPMENT SCHEDULE ON SHEET E9.0 FOR EQUIPMENT ELECTRICAL REQUIREMENTS, CONNECTIONS, AND CIRCUITING.
6. REFER TO S.00 SERIES FOR TYPICAL DETAILS

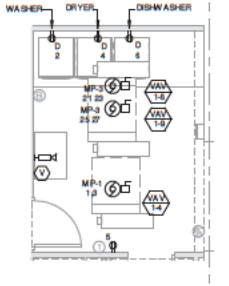
KEYED NOTES:

1. FIRE SPRINKLER SYSTEM BELL - COORDINATE EXACT LOCATION WITH DIVISION 21 CONTRACTOR.
2. FINAL LOCATION TO BE COORDINATED BY THE OWNER.
3. FOR FIRE ALARM DEVICES IN KENNELS, THE FOLLOWING SHALL APPLY:
   - PROVIDE SEPARATE FREQUENCY SOUND TONE GENERATOR FOR HORNS.
   - SINGLE STROKE OR VIBRATING OPERATION WITH ANECHROIC SOUND LEVELS UP TO 80 dB AND TONE ADJUSTABLE FROM 600 TO 1200HZ.
   - ALL HORNS IN KENNELS SHALL BE WEATHERPROOF AND FURNISHED WITH WIRE GUARDS.
   - PROVIDE 75 cd STROBE WITH RED LENS INSERT.
   - PROVIDE WEATHERPROOF STROBES WITH WIRE GUARDS.
4. NOT USED.
5. PROVIDE 4' X 6' 3/4" FIRE RETARDANT PLYWOOD.

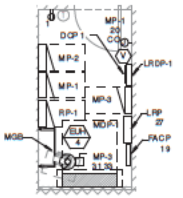
0 4 8 12 16
SCALE IN FEET



2 ENLARGE PLAN - MECHANICAL ROOM
1/4" = 1'-0"



4 ENLARGED PLAN - LAUNDRY 109
1/4" = 1'-0"



3 ENLARGED PLAN - ELECTRICAL ROOM
1/4" = 1'-0"



5 ENLARGED PLAN - VAULT 103
1/4" = 1'-0"

DRAWN BY	A.K.	DATE	10/16/2019
CHECKED BY	J.D.	DATE	10/16/2019

Primera

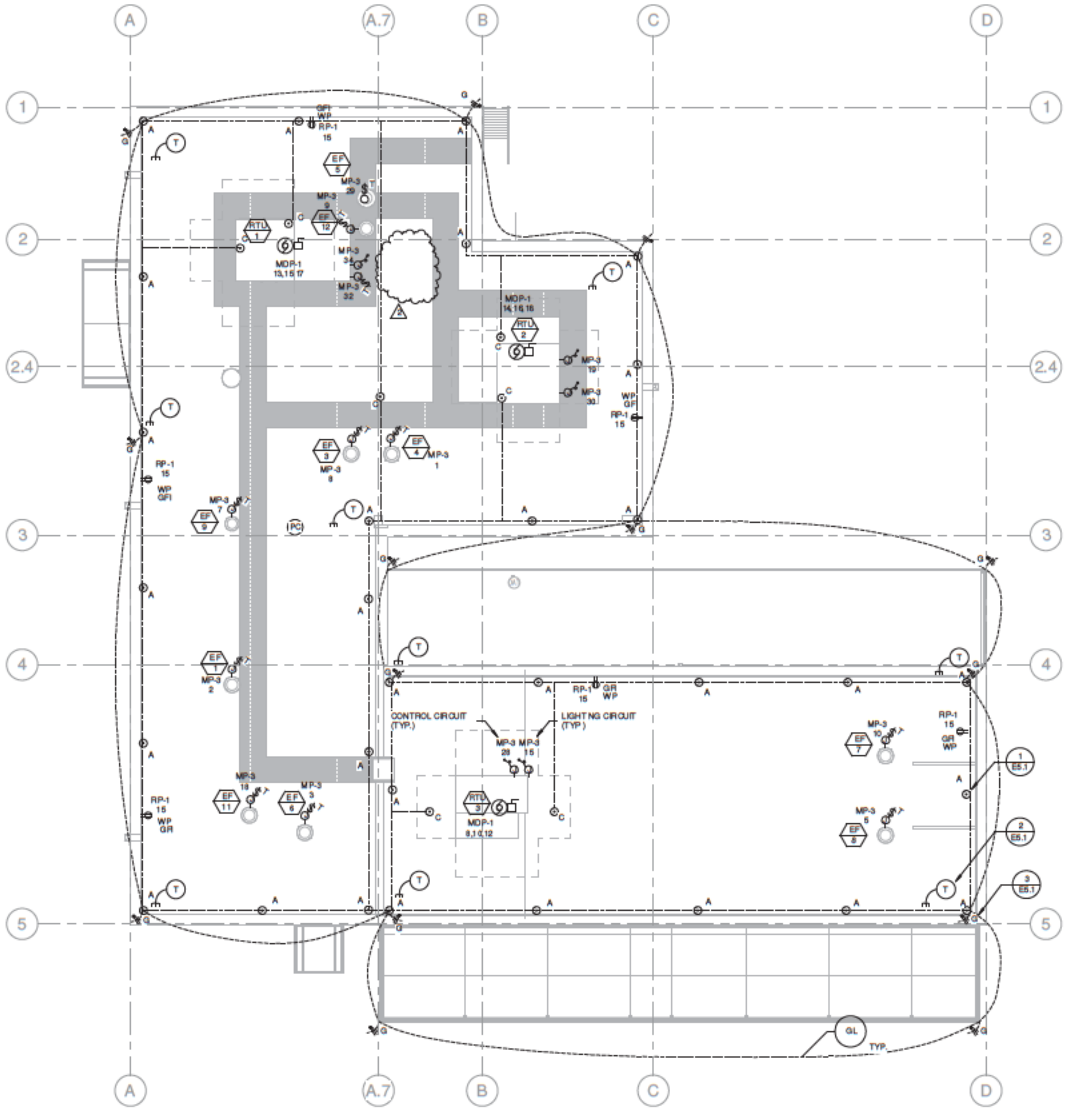
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

ELECTRICAL POWER AND MISC. SYSTEMS FIRST FLOOR PLAN

E2.0
DRAWING NO.
623 OF 635



1 ROOF TOP - FLOOR PLAN - POWER AND LIGHTNING PROTECTION
1/8" = 1'-0"

LEGENDS:

A — NO. 3912 COPPER, 3/8" X 12" GENTLY TAPERED SOLID COPPER AIR TERMINAL WITH NO. CUSBJ38, BRONZE UNIVERSAL BASE MOUNTED VERTICAL. SEE DETAIL A.

COPPER LIGHTNING PROTECTION CONDUCTOR SIZE AT MINIMUM NO 29 CLASS 1 COPPER.

T — NO. 2316VBM-10, B METAL THRU ROOF CONNECTOR ASSEMBLY WITH NO. 29 CONDUCTOR TO STEEL - SEE DETAIL T.

G — NO. 5810, 3/4" X 10'-0" STAINLESS STEEL GROUND ROD, GO5829B ULTRAWELD TO THE ROD AND VA29B ULTRAWELD TO THE STEEL COLUMN. SEE DETAIL G.

GL — LIGHTNING PROTECTION LOOP GROUND CONDUCTOR. INSTALL 30" BELOW GRADE, 24" FROM BUILDING FOUNDATION MINIMUM. REFER TO DWG.

0 4 8 12 16
SCALE IN FEET

SHEET NOTES:

1. THE INSTALLATION OF THIS CLASS 1 SYSTEM WILL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATIONS STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, 2014 EDITION (NFPA 780) AND THE INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS, UL 96A OF UNDERWRITERS LABORATORIES INC. THE MASTER LABEL CERTIFICATE SHALL BE FURNISHED TO THE OWNER UPON COMPLETION.
2. METAL BODIES WITHIN 6'-0" OF THE LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO THE SYSTEM IN ACCORDANCE WITH UL 96A REQUIREMENTS.
3. UNDERGROUND METALLIC PIPING ENTERING THE BUILDING SHALL BE BONDED TO THE NEAREST DOWN CONDUCTOR OR GROUND ELECTRODE IN ACCORDANCE WITH UL96A REQUIREMENTS.
4. ALL ELEVATIONS ARE APPROXIMATE, ARE TAKEN FROM AVERAGE GRADE AND SHALL BE FIELD VERIFIED.
5. THE DESIGNS SHOWN FOR THESE SYSTEMS IS SCHEMATIC AND ARE INTENDED TO SHOW BASIC SYSTEM DESIGN BASED ON THE INFORMATION PROVIDED TO DATE.
6. AIR TERMINALS ARE TO BE LOCATED AS SHOWN. THEY ARE TO BE A MAXIMUM OF 24" FROM THE ROOF EDGE AND PROJECT A MINIMUM OF 10" ABOVE THE PROTECTED EDGE. THE SPACING BETWEEN AIR TERMINALS SHALL NOT EXCEED 20 FEET.
7. ALL LIGHTNING PROTECTION CONDUCTORS ARE TO MAINTAIN A HORIZONTAL OR DOWNWARD PATH. ALL BENDS IN THE CONDUCTOR SHALL HAVE A RADIUS BEND OF 8 INCHES OR GREATER, AND SHALL HAVE AN ANGLE BEND OF 90 DEGREES OR GREATER.
8. IF THE METAL THICKNESS OF AN OBJECT IS 3/16" OR GREATER, AIR TERMINALS MAY BE ELIMINATED IF THE OBJECT IS PROPERLY CONNECTED TO THE SYSTEM.
9. SEE SHEET E5.1 FOR DETAILS.
10. PROVIDE CONNECTORS TO BUILDING GROUNDING SYSTEM.
11. ALL STEEL COLUMNS SHALL BE BONDED TOGETHER SO AS TO BE CONTINUOUS WHERE THERE ARE THERMAL BREAKS IN THE STRUCTURE. COORDINATE WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS. BOND STEEL COLUMNS TO ROUND LOOP PER NFPA 780 REQUIREMENTS.

DRAWN BY	A.K.
DATE	10/16/2019
CHECKED BY	J.D.
DATE	10/16/2019

Primera

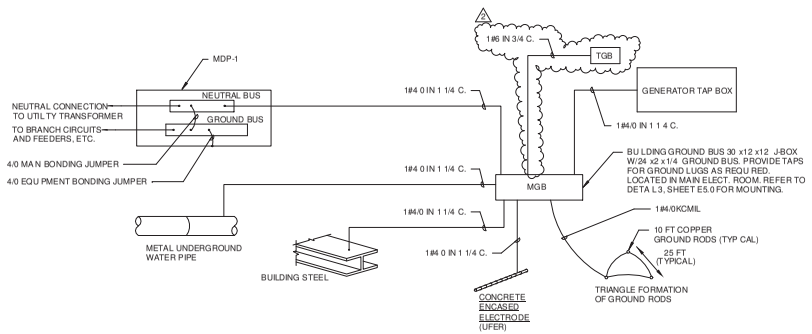
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE,
ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

ELECTRICAL POWER AND LIGHTNING PROTECTION ROOF PLAN

E2.1
DRAWING NO.
624 OF 635

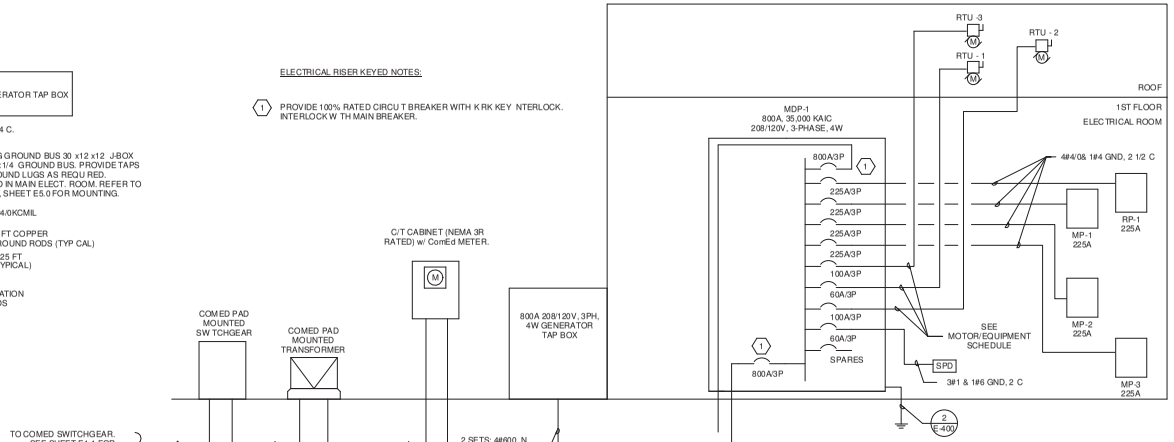


NOTES:
1. PROVIDE 1/4 Dx2 Wx4 L GROUND BUS MOUNTED IN NEMA 1, STEEL ENCLOSURE WITH SCREW-ON COVER. GROUND BUS SHALL BE BOLTED TO WALL VIA STAND-OFF INSULATORS.

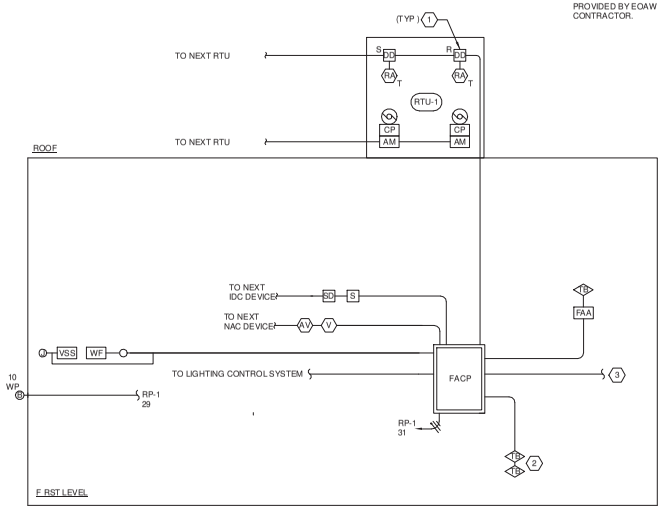
② MAIN SERVICE GROUNDING DETAIL
1/8" = 1'-0"

ELECTRICAL RISER KEYED NOTES:

① PROVIDE 100% RATED CIRCUIT BREAKER WITH KIRK KEY INTERLOCK. INTERLOCK WITH MAIN BREAKER.



① NORMAL ELECTRICAL RISER DIAGRAM
12" = 1'-0"



③ FIRE ALARM RISER DIAGRAM
1/8" = 1'-0"

FIRE ALARM RISER KEYED NOTES:

① DUCT SMOKE DETECTORS ARE FURNISHED AND INSTALLED BY DIV. 26 CONNECTION TO FIRE ALARM SYSTEM BY DIV. 26.

② TROUBLE BELLS FOR FACP.

③ TO CDA'S GUARD POST 1 HUB BUILDING THROUGH CED FOR FIRE ALARM MONITORING. REFER TO SHEET E1.1 FOR ADDITIONAL DETAILS.

DETAIL NOTES:

1. RISER DIAGRAM ABOVE IS DIAGRAMMATIC AND IS SHOWN TO PROVIDE A GENERAL OVERVIEW OF MAJOR SYSTEM COMPONENTS AND THEIR INTERCONNECTIONS. THIS DIAGRAM IS NOT TO BE USED FOR FIELD INSTALLATION PURPOSES. DEVICES SHOWN IN LIGHTWEIGHT LINES ARE EXISTING TO REMAINM UNO. DEVICES SHOWN IN DARK/HEAVY LINES ARE NEW.
2. THIS SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72.
3. SEE PLANS FOR DEVICE LOCATIONS AND QUANTITES.
4. PROVIDE ALL ANCILLARY COMPONENTS, HARDWARE, POWER CONNECTIONS AND WIRING AS REQUIRED FOR A COMPLETE AND OPERATING FIRE ALARM SYSTEM.
5. A WIRING SHALL BE PROVIDED PER MANUFACTURER'S RECOMMENDATIONS.
6. ALL VISUAL DEVICES OPERATION SHALL BE SYNCHRONIZED IN COMPLIANCE WITH ICC/ANSI A117.1-2003 SECTION 7.702.

FEEDER CALCULATION NEC COMMERCIAL

Project: K-9 PN: 2018083
Calculation: Date: 3/19/2019

Areas:

General use:	8890	sf
Hallways, stairs:	0	sf
Storage:	630	sf

Type of Service: 208Y/120V, three phase, four wire

General Lighting

8890	general lighting at 3 va/sf	26670	VA
0	hallway lighting at 0.5 va/sf	0	VA
630	storage lighting at 0.25 va/sf	157.5	VA
	Total lighting load x 1.25		33534.375 VA

Receptacle Load

Connected Load	13370		
First 10 000 at 100%		10000	
Remainder at 50%		1685	
Receptacle Demand Load			11685 VA

Additional Loads

Total Motor Load			
1 Electric Heating	60000 Watts	60000	60000 VA
1 Motors	62970 Watts	62970	62970 VA
1 Misc	29500 Watts	29500	29500 VA
Largest Motor	48600 @ 25%		12150 VA

Total Load	209839.375 VA
Amps:	583

DRAWN BY	A.K.	DATE	10/16/2019
CHECKED BY	J.D.	DATE	10/16/2019

Primera
100 S. WACKER DRIVE, SUITE 700 , CHICAGO IL 60606 P:312-595-0970 F:312-595-0973

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

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

ELECTRICAL RISER DIAGRAM

E4.0
DRAWING NO.
626 OF 635

Branch Panel: RP-1

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 35000
Supply From: MDP-1 | **Phases:** 3 | **Mains:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **Bus Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Receptacle Room 111, 112, 113	20 A	1	900	1440					1	20 A	Washer Laundry 109	2
3	Receptacle Room 114, 115	20 A	1			360	1440			1	20 A	Dryer Laundry 109	4
5	Receptacle Corridor 101	20 A	1					1080	1920	1	20 A	Dishwasher Laundry 109	6
7	IT RACK	20 A	1	360	360					1	20 A	Receptacle Exam109	8
9		20 A	1			180	720			1	20 A	Receptacle Room 109, 107	10
11	Receptacle Office 100	20 A	1					720	180	1	20 A	Refrig. Break 107	12
13	Receptacle Office 100	20 A	1	720	180					1	20 A	Receptacle Break 107	14
15	Receptacle Roof	20 A	1			1080	180			1	20 A	Receptacle Break 107	16
17	FA Bell	20 A	1					200	1260	1	20 A	Receptacle Mechanical Rm	18
19	EBU	20 A	1	1000	720					1	20 A	Receptacle Room 105D, 105E	20
21	FACP*L	20 A	1			500	720			1	20 A	Receptacle Room 106, 105C	22
23	Interior Lighting	20 A	1					906	720	1	20 A	Receptacle Room 105A, 105B	24
25	Exterior Wall mounted Lighting	20 A	1	330	1080					1	20 A	Receptacle Exterior	26
27	Interior Lighting	20 A	1			1336	945			1	20 A	Interior Lighting	28
29	Kennal Lighting	20 A	1					980	40	1	20 A	Ext Signs	30
31	Kennal Lighting	20 A	1	735	735					1	20 A	Lighting	32
33	Lighting	20 A	1			735	735			1	20 A	Lighting	34
35	Lighting	20 A	1					735	100	1	20 A	C4-Vehicle Gate Camera	36
37	C2-Remote Parking Lot Camera	20 A	1	100	100					1	20 A	C6-Vehicle Gate Camera	38
39	C1-Remote Parking Lot Camera	20 A	1			100	0			3	30 A	SPD	40
41	C3-Pedestrian Gate Camera	20 A	1					100	0	--	--	--	42
43	C5-Main Gate Camera	20 A	1	0	0					--	--	--	44
45	Laser Printer	20 A	1			360	0			1	20 A	Spare	46
47	--	--	--					0	0	1	20 A	Spare	48
49	Spare	20 A	1	0	0					1	20 A	Spare	50
51	Spare	20 A	1			0	0			1	20 A	Spare	52
53	Spare	20 A	1					0	0	1	20 A	Spare	54
			Total Load:	8860 VA		9391 VA		8941 VA					
			Total Amps:	74 A		78 A		75 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	9212 VA	125.00%	11515 VA	
Spare	600 VA	100.00%	600 VA	**Total Conn. Load:** 26.69 kVA
Receptacle	16500 VA	80.30%	13250 VA	**Total Est. Demand:** 25.75 kVA
Equipment	380 VA	100.00%	380 VA	**Total Conn. Current:** 74.09 A
				Total Est. Demand Current: 71.46 A

Notes:

Branch Panel: MP-1

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 35000
Supply From: MDP-1 | **Phases:** 3 | **Mains:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **Bus Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	VAV 1-4	20 A	2	500	1500					1	20 A	CUH-2	2
3	--	--	--			500	1500			1	20 A	CUH-6	4
5	VAV 1-7	20 A	2					500	1500	1	20 A	Equipment DOG WASH 111	6
7	--	--	--	500	1500					1	20 A	CUH-7	8
9	EUH-1	20 A	2			1300	1000			2	20 A	VAV1-3	10
11	--	--	--					1300	1000	--	--	--	12
13	EUH-2	20 A	2	1300	1250					2	25 A	VAV1-5	14
15	--	--	--			1300	1250			--	--	--	16
17	CUH-1	30 A	2					2000	1500	1	20 A	CUH-4	18
19	--	--	--	2000	180					1	20 A	CO Detector	20
21	VAV 1-2	25 A	2			1500	750			2	20 A	VAV2-7	22
23	--	--	--					1500	750	--	--	--	24
25	VAV 2-2	20 A	2	750	0					3	30 A	SPD	26
27	--	--	--			750	0			--	--	--	28
29	GATE-1	20 A	1					1200	0	--	--	--	30
31	GATE-2	20 A	1	1200	2500					2	35 A	Equipment	32
33	GATE-3	20 A	1			1200	2500			--	--	--	34
35	GATE-4	20 A	1					1200	360	1	20 A	Receptacle VAULT 103	36
37	GATE-5	20 A	1	1200	0					2	40 A	AHU-1	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
43	Spare	20 A	1	0	0					1	20 A	Spare	44
45	Spare	20 A	1			0	0			1	20 A	Spare	46
47	Spare	20 A	1					0	0	1	20 A	Spare	48
49	Spare	20 A	1	0	0					1	20 A	Spare	50
51	Spare	20 A	1			0	0			1	20 A	Spare	52
53	Spare	20 A	1					0	0	1	20 A	Spare	54
			Total Load:	14380 VA		13550 VA		12810 VA					
			Total Amps:	121 A		114 A		107 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	6000 VA	105.00%	6300 VA	
Receptacle	360 VA	100.00%	360 VA	**Total Conn. Load:** 40.74 kVA
Equipment	34380 VA	100.00%	34380 VA	**Total Est. Demand:** 41.04 kVA
				Total Conn. Current: 113.08 A
				Total Est. Demand Current: 113.92 A

Notes:

Branch Panel: MP-2

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 35000
Supply From: MDP-1 | **Phases:** 3 | **Mains:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **Bus Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LRP	20 A	1	500	500					2	20 A	VAV 1-6	2
3	CUH-5	20 A	1			1500	500			--	--	--	4
5	VAV 2-5	20 A	2					750	1250	2	20 A	VAV 2-6	6
7	--	--	--	750	1250					--	--	--	8
9	Boiler K Switch	20 A	1			180	3500			2	45 A	VAV 2-1	10
11	VAV 1-1	25 A	2					2000	3500				
13	--	--	--	2000	0					1	20 A	Spare	14
15	VAV 2-4	20 A	2			750	0			1	20 A	Spare	16
17	--	--	--					750	0	2	20 A	Spare	18
19	VAV 2-3	20 A	2	750	0					1	20 A	Spare	20
21	--	--	--			750	0			1	20 A	Spare	22
23	SPD	30 A	3					0	0	1	20 A	Spare	24
25	--	--	--	0	0					1	20 A	Spare	26
27	--	--	--			0	0			1	20 A	Spare	28
29	West Side Building	20 A	2					270	180	2	20 A	East Side Building	30
31	--	--	--	270	180					--	--	--	32
33	Spare	20 A	1			0	120			2	20 A	East Side Building	34
35	Spare	20 A	1					0	120	--	--	--	36
37	Spare	20 A	1	0	0					1	20 A	Spare	38
39	Spare	20 A	1			0	0			1	20 A	Spare	40
41	Spare	20 A	1					0	0	1	20 A	Spare	42
43	Spare	20 A	1	0	0					1	20 A	Spare	44
45	Spare	20 A	1			0	0			1	20 A	Spare	46
47	Spare	20 A	1					0	0	1	20 A	Spare	48
49	Spare	20 A	1	0	0					1	20 A	Spare	50
51	Spare	20 A	1			0	0			1	20 A	Spare	52
53	Spare	20 A	1					0	0	1	20 A	Spare	54
			Total Load:	6200 VA		7300 VA		8820 VA					
			Total Amps:	52 A		62 A		75 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	1140 VA	125.00%	1425 VA	
Equipment	20680 VA	100.00%	20680 VA	**Total Conn. Load:** 21.82 kVA
				Total Est. Demand: 22.11 kVA
				Total Conn. Current: 60.57 A
				Total Est. Demand Current: 61.36 A

Notes:

Branch Panel: MP-3

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 35000
Supply From: MDP-1 | **Phases:** 3 | **Mains:** MLO
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **Bus Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EF-4	20 A	1	700	700					1	20 A	EF-1	2
3	EF-6	20 A	1			700	1300			2	20 A	EUH-6	4
5	EF-8	20 A	1					700	1300	--	--	--	6
7	EF-9	20 A	1	700	700					1	20 A	EF-3	8
9	EF-12	20 A	1			1180	700			1	20 A	EF-7	10
11	HWP-1	20 A	2					415	2590	2	35 A	EUH-3	12
13	--	--	--	415	2590					--	--	--	14
15	LTG RTU-3	20 A	1			200	1440			1	20 A	B-1	16
17	WH-1 Controller	20 A	1					180	700	1	20 A	EF-11	18
19	CNTRL RTU-2	20 A	1	200	80					1	20 A	EF-2	20
21	VAV 1-8	20 A	2			1500	1180			1	20 A	D-1	22
23	--	--	--					1500	200	1	20 A	PFS-1	24
25	VAV 1-9	20 A	2	1500	60					1	20 A	RCP-1	26
27	--	--	--			1500	200			1	20 A	CNTRL RTU-3	28
29	EF-5	20 A	1					1180	200	1	20 A	LTG RTU-2	30
31	EUH-4	20 A	2	1590	200					1	20 A	CNTRL RTU-1	32
33	--	--	--			1590	200			1	20 A	LTG RTU-1	34
35	EUH-5	20 A	2					1590	1725	1	20 A	Hand Dryer	36
37	--	--	--	1590	1725					1	20 A	Hand Dryer	38
39	SPD	30 A	3			0	0			1	20 A	Spare	40
41	--	--	--					0	0	1	20 A	Spare	42
43	--	--	--	0	0					1	20 A	Spare	44
45	Spare	20 A	1			0	0			1	20 A	Spare	46
47	Spare	20 A	1					0	0	1	20 A	Spare	48
49	Spare	20 A	1	0	0					1	20 A	Spare	50
51	Spare	20 A	1			0	0			1	20 A	Spare	52
53	Spare	20 A	1					0	0	1	20 A	Spare	54
			Total Load:	12750 VA		11690 VA		12280 VA					
			Total Amps:	107 A		97 A		103 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	10110 VA	102.92%	10405 VA	
Equipment	26610 VA	100.00%	26610 VA	**Total Conn. Load:** 36.72 kVA
				Total Est. Demand: 37.02 kVA
				Total Conn. Current: 101.92 A
				Total Est. Demand Current: 102.74 A

Notes:

DRAWN BY A.K. DATE 10/16/2019
CHECKED BY J.D. DATE 10/16/2019

Primera
100 S. WACKER DRIVE, SUITE 700, CHICAGO IL 60606 P:312-606-0970 F:312-606-0023

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

REVISIONS		
NO.	DATE	DESCRIPTION
2	01/03/2020	Addendum #2

CONTRACT NO. I-18-4704

ELECTRICAL PANEL SCHEDULES

E6.2
DRAWING NO.
635 OF 635

ADDENDUM NO. 1
TO
CONTRACT REQUIREMENTS
FOR CONTRACT I-18-4704
ILLINOIS STATE TOLL HIGHWAY AUTHORITY

Date: 12/11/2019

For which proposals will be received by the Illinois State Toll Highway Authority at its offices, 2700 Ogden Avenue, Downers Grove, Illinois 60515 until 10:30:00 A.M. local time, **January 10, 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-19R and P-20R 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-19R, J-71R, J-72R, J-82R, J-132R, J-154R, J-228R, J-283R.

3. The following new Special Provision pages are included in the Contract with this Addendum: J-74A through J-74D.

4. The following revised Contract Drawings are included in this Addendum:
   Volume 1– Drawing 5 and Drawing 7

5. Revised Contract Drawings 14 through 19 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.

6. The following revised Electronic Data Files are included in this Addendum:
   4678-N07A-ExistGround.xml
   4678-N07A-ExistGroundStripped_Signed.xml

7. The minutes and sign-in sheet from the Optional Pre-Bid Meeting held on **December 3, 2019** are included in this Addendum.

8. Responses to Request for Information received from the Plan Holders are included in this Addendum.

CHANGES TO THE CONTRACT REQUIREMENTS

CHANGES TO THE SCHEDULE OF PRICES

SUMMARY OF REVISIONS TO PAY ITEMS QUANTITIES						
SP. PROV. *	PAY ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	CHANGE	NEW QUANTITY
*	**JT154008**	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	40,000	10,000	50,000
*	**JT154102**	ALLOWANCE FOR RAILROAD FLAGGING	UNIT	250,000	-250,000	0
*	**JT154103**	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	0	300,000	300,000

* Denotes Special Provision

Change #1 Contract Requirements, Volume I, page P-19 replaced with page P-19R. This replacement contains the following revision (attached):

1.1. Revised the quantities as stated in the above SUMMARY OF REVISIONS TO PAY ITEMS QUANTITIES table.

Change #2 Contract Requirements, Volume I, page P-20 replaced with page P-20R. This replacement contains the following revisions (attached):

2.1. Revised pay item number for LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P.105.1.3 from 999NEG45 to 999NEG46.

2.2. Revised the Total Amount of Contingency Work + Contractor's Quality Program (CQP) due to the changes in quantities for the Allowance pay items stated in the above SUMMARY OF REVISIONS TO PAY ITEMS QUANTITIES table.

CHANGES TO THE CONTRACT SPECIAL PROVISIONS

Change #3 Contract Requirements, Volume II, replace page J-19 with page J-19R. This replacement contains the following revision (attached):

3.1. Revised the Specification name referenced on page J-19 from Allowance for Railroad Flagging to Allowance for Railroad Flagging and Services.

Change #4 Contract Requirements, Volume II, replace page J-71 and J-72 with page J-71R and J-72R. This replacement contains the following revisions (attached):

4.1. Revised S.P. 121 Electronic Data Files Available list to include '4678-N07A-ExistGround.xml' and '4678-N07A-ExistGroundStripped.xml' instead of '4678-N07A-Terrain.xml' and '4678-N07A-Terrain-Stripped.xml' for consistency and clarity.

4.2. A portion of the table previously on page J-71 shifted to the next page due to the Electronic Data File name changes listed above.

Change #5 Contract Requirements, Volume II, replace page J-82 with page J-82R. This replacement contains the following revision (attached):

5.1. Revised last paragraph of the Tree Removal Special Provision to modify the window for tree removal restrictions from April 1st to October 31st to June 1st to July 31st.

Change #6 Contract Requirements, Volume II, replace page J-132 with page J-132R. This replacement contains the following revision (attached):

6.1. Revised last paragraph of tree removal section to modify the window for tree removal restrictions from April 1st- October 31st to June 1st - July 31st.

Change #7 Contract Requirements, Volume II, replace pages J-154 and J-228 with pages J-154R and J-228R. This replacement contains the following revisions (attached):

7.1. Revised Allowance for Railroad Flagging specification to include allowances for other services. Revised the pay item to Allowance for Railroad Flagging and Services.

7.2. Revised the Specification name referenced on page J-154 from Allowance for Railroad Flagging to Allowance for Railroad Flagging and Services.

Change #8 Contract Requirements, Volume III, replace page J-283 with page J-283R. This replacement contains the following revision (attached):

3.1 Added second paragraph to the Building Construction Special Provision referencing page and Volume numbers for AIA format building specifications.

CHANGES TO THE CONTRACT DRAWINGS

Change #9 Contract Plans, Volume 1, Drawing 5. Signature Sheet 3D Model – Location 4-5. This new drawing contains the following revision (attached):

9.1. Revised Sheet. Drawings list revised to include '4678-N07A-ExistGround.xml' and '4678-N07A-ExistGroundStripped.xml' instead of '4678-N07A-Terrain.xml' and '4678-N07A-Terrain-Stripped.xml' for consistency and clarity.

Change #10 Contract Plans, Volume 1, Drawing 7. General Notes and Construction Site Access. This new drawing contains the following revision (attached):

10.1. Revised Sheet. General note number 13 was revised to modify the window for tree removal restrictions from April 1st - October 31st to June 1st - July 31st

Change #11 Contract Plans, Volume 1, Drawings 14 through 19. Summary of Quantities. These drawings contain the following revision (issued to successful bidder):

11.1. Revised Summary of Quantities as stated in the above SUMMARY OF REVISIONS TO PAY ITEMS QUANTITIES table. The Schedule of Prices (P-Pages) override the Summary of Quantities.

CHANGES TO THE ELECTRONIC DATA FILES

Change #12 Electronic Data Files, 4678-N07A-Terrain.xml and 4678-N07A-Terrain-Stripped.xml. These files contain the following revisions (these files have been posted to the Tollway's On-Line Plan Room):

12.1. Revised File. Revised and clipped 4678-N07A-Terrain.xml to reduce file size. Renamed to be 4678-N07A-ExistGround.xml for consistency and clarity.

12.2. Revised File. Revised and clipped 4678-N07A-Terrain-Stripped.xml to reduce file size. Renamed to be 4678-N07A-ExistGroundStripped.xml for consistency and clarity.

END OF ADDENDUM CHANGES

Capital Program

MEETING MINUTES

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

AGENDA TOPICS

1.0 Introductions
2.0 Scope of Work
3.0 DBE Goal, VOSB Goal, Bid Credit Cap
4.0 Instructions to Bidders
5.0 Project Schedule
6.0 Liquidated Damages
7.0 Contractor Access Plans
8.0 Cooperation with Utilities
9.0 Coordination with Other Agencies
10.0 Coordination with Other Contracts
11.0 Working Hours
12.0 Right of Way
13.0 Steel and Iron Products
14.0 Available Geotechnical Information
15.0 Available Reports
16.0 Electronic Data Files
17.0 Addendum
18.0 Open Discussion

Capital Program

MEETING SIGN-IN SHEET

Meeting date | time: 12/03/19 1:30 pm **Meeting location:** Central Administration Building Room 175

Meeting Purpose: Optional Pre-Bid Meeting

Chairperson: John Szabo

Project No.: I-18-4704

ATTENDEES SIGN-IN:

	NAME	TITLE	ORGANIZATION	EMAIL	PHONE NUMBER
1.	Laura Durkin	Contract Service Manager	Illinois Tollway	ldurkin@getipass.com	(630) 241-6800 x. 4802
2.	Grace Gomez	Contract Administrator II	Illinois Tollway	ggomez@getipass.com	(630) 241-6800 x. 4836
3.	Manar Nashif	Deputy Program Manager	Illinois Tollway	mnashif@getipass.com	(630) 241-6800 x. 4841
4.	John Szabo	Project Manager	Illinois Tollway	jszabo@getipass.com	(630) 241-6800 x. 6213
5.	Greg Stukel	Deputy Chief Engineer	Illinois Tollway	gstukel@getipass.com	(630) 241-6800 x. 4929
6.	Jim Mayer	Engineering Manager	Illinois Tollway / PMO	jmayer@getipass.com	(630) 241-6800 x. 4231
7.	Deanna Dinkel	Diversity Consultant	Illinois Tollway / Diversity	ddinkel@getipass.com	(630) 241-6800 x. 1994
8.	Kristen Hamilton	Diversity Consultant	Illinois Tollway / Diversity	khamilton@getipass.com	(630) 241-6800 x. 1995
9.	Ryan Hanks	Project Manager	Illinois Tollway / GEC	Ryan.Hanks@wsp.com	(630) 241-6800 x. 4185
10.	Rick Young	Design Review Manager	Illinois Tollway / GEC	ryoung@knightea.com	(630) 241-6800 x. 4265
11.	Martin Mueller	DCM	Jacobs Engineering Group, Inc. / ASE	marty.mueller@jacobs.com	(773) 458-2873
12.	John Stevens	Program Construction Manager	Illinois Tollway / PMO	jstevens@getipass.com	(630) 241-6800 x. 4179
13.	James Shaw	DSE PM N06	RS&H, Inc.	james.shaw@rsandh.com	(630) 364-5246

Capital Program

MEETING SIGN-IN SHEET

Meeting date | time: 12/03/19 1:30 pm **Meeting location:** Central Administration Building Room 175

Meeting Purpose: Optional Pre-Bid Meeting

Chairperson: John Szabo

Project No.: I-18-4704

	NAME	TITLE	ORGANIZATION	EMAIL	PHONE NUMBER
14.	Arielle Malinowski	DSE PE N06	RS&H, Inc.	arielle.malinowski@rsandh.com	(630) 364-5213
15.	Michael Mack	DSE PM N07	Burns & McDonnell Engineering Co., Inc.	mmack@burnsmcd.com	(312) 521-8925
16.	Rob Goveia	DSE PE N07	Burns & McDonnell Engineering Co., Inc.	rgoveia@burnsmcd.com	(312) 521-8918
17.	Charles Weaver	DCM	Jacobs Engineering Group, Inc.	charles.weaver@jacobs.com	(773) 458-2891
18.	Pete Stukas	CCM	V3 Companies of Illinois, Ltd.	pstukas@v3co.com	(630) 675-7336
19.	JOHN FEHLBERG		PRIMERA	JFEHLBERG@PRIMERAENG.COM	312.242.6359
20.	JILL DEICHMANN		PRIMERA	jdeichmann@primeraeng.com	312.242.6351
21.					
22.					
23.					
24.					
25.					
26.					
27.					

Capital Program

MEETING SIGN-IN SHEET

Meeting date | time: 12/03/19 1:30 pm **Meeting location:** Central Administration Building Room 175

Meeting Purpose: Optional Pre-Bid Meeting

Chairperson: John Szabo

Project No.: I-18-4704

	NAME	TITLE	ORGANIZATION	EMAIL	PHONE NUMBER
28.	Daniel Tschiniak	Estimator	Dunnet Bay Const	dan.tschiniak@dunnetbay.net	630/539-1200
29.	Nick Blickensderfer	Analyst	Vulcan Materials	blickensderfern@vmcmail.com	531-222-8897
30.	Joel Avitia	Estimator	Berger Excavating	kberger@bergerexcavating.com dlichtnafe@bergerexcavating.com	847-526-5757
31.	Jay Boban	Sales	Hanson MS	jay.Boban@LehighHanson.com	312-859-8434
32.	Russ Schiller	ESTIMATOR	ABITUA	Russ@ABITUAPLUMBING.com	847-737-1675
33.	Jim Kowalewski	ESTIMATOR	FH PASCHEN	JKOWALEWSKI@FHPASCHEN.com	773-444-3474
34.	Will Harris	PM	Walsh	wharris@walshgroup.com	312-907-4075
35.	Dave Meservey	Estimator	Lake County Grading	d_meservey@lcgc.com	847-774-8620
36.	Nick Lugo		WSP	Nicholas.lugo@wsp.com	
37.	Mitch Holmer	ESTIMATOR	NATURAL CREATIONS LANDSCAPING	MHOLMER@NATURALCREATIONSLANDSCAPING.COM	815-724-0991
38.	Dalin Smith	Estimator	Judlau Contracting Inc.	dalin.smith@ohlua.com	(630) 397-4056
39.	Patrick Gannon	Estimator	Plote Construction	pgannon@plote.com	847-628-6072
40.	Jairus Camarena	ESTIMATOR	Curran Contracting	jcamarena@curran contracting.com	815-455-5100
41.	Jon Kuhn	Estimator	K-Five	JonK@K-Five.net	630-768-7799

Capital Program

MEETING SIGN-IN SHEET

Meeting date | time: 12/03/19 1:30 pm **Meeting location:** Central Administration Building Room 175

Meeting Purpose: Optional Pre-Bid Meeting

Chairperson: John Szabo

Project No.: I-18-4704

	NAME	TITLE	ORGANIZATION	EMAIL	PHONE NUMBER
42.	Mike Prindle	Project Manager	Lake County Grading	m_prindle@lcgc.com	224-545-7540
43.	Bill Anthony	Sales Exec.	AQS Services	aqssales@comcast.net	630-789-3345
44.	Brad Hodor	Engineer	GEC	b.hodor@American Surveying.com	312-375-5293
45.					
46.					
47.					
48.					
49.					
50.					
51.					
52.					
53.					
54.					
55.					

Capital Program

MEETING MINUTES

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

Meeting called to order at 1:30 PM

Item No.	*Item Description*

1.0 Introduction:

The meeting attendees introduced themselves. John Szabo (JS) provided a brief introduction of the meeting. The meeting is an Optional Pre-Bid Meeting for Contract I-18-4704 –WESTERN ACCESS TOLLWAY (I-490) ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6. JS noted that the minutes to the meeting would be issued to all attendees and plan holders via addendum. Questions received to date and asked in the meeting will be answered via the addendum.

2.0 Scope of Work:

JS referred the meeting attendees to Special Provision (S.P.) 101 and the A-1 page of the Contract Requirements book for a detailed description of the scope of work. The work under this contract includes, but is not limited to site clearing, earthwork, grading and stockpile construction, haul road construction, protection of aviation operation equipment and utilities, erosion and sediment control measures and landscaping, drainage, construction of box culverts, retaining walls, new 1 story slab on grade masonry building to house the Chicago Police Department's K-9 Training Facility, parking lots, building demolition, watermain relocation, temporary traffic signal maintenance, maintenance of traffic, and all other appurtenant and miscellaneous construction shown on the plans and within the Special Provisions.

3.0 DBE Goal, VOSB Goal, Bid Credit Cap,

- The DBE Goal percentage listed in Volume I of the Contract Requirements page DBE-2 is **32%.**
- The Veterans Goal percentage listed in Volume I of the Contract Requirements page VOSB-1 is **2%**.
- The Bid Credit Cap listed in Volume I of the Contract Requirements page P-4 is $500,000.00

4.0 Instructions to Bidders:

The Instructions to Bidders is included in Volume I of the Contract Requirements. Each item of the Instructions to Bidders pages is important and must be read.

The following statement was read: "All bids MUST include Disclosures and Certifications otherwise the bid will be deemed non-responsive. See Volume I of the Contract Requirements, page N-1 to N-2 for additional information.

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

Item No.	*Item Description*

5.0 Project Schedule

The key milestones as specified in the contract requirements are as follows:

- Bid Opening – January 10, 2020
- S.P. 104: Notice to Proceed/Commencement of On-Site Work – May 21, 2020
- S.P. 103.1: Contract Completion Date – April 8, 2022
- S.P. 103.2: Substantial Completion Date – November 17, 2021
- S.P. 103.3: Interim Completion Date – Location 8 – July 12, 2021
- S.P. 118: The Contractor's bid proposal shall have been submitted with the understanding that access to the proposed right-of-way and easements will be provided no earlier than the date indicated.

6.0 Liquidated Damages

Note the following liquidated damages in the Contract:

- S.P. 105.1.1: Contract Completion Date – $6,000 per day
- S.P. 105.1.2: Substantial Completion Date – $12,000 per day
- S.P. 105.1.3: Interim Completion Date – $2,000 per day

7.0 Contractor Access Plans:

The Contractor shall access the project location sites per the access points noted in the plans. The Contractor is to maintain the Contractor access roads through the project limits for the duration of the Contract. Adjacent projects and the CDA may utilize portions of the Access Road through the project site.

8.0 Cooperation with Utilities and Others:

Coordination with utilities and others shall be per S.P. 106. Utilities are to be adjusted by ComEd (O'Hare), ComEd (Distribution), City of Chicago Department of Water Management, Nicor, BP Pipelines (North America) Inc./Amoco, US Shell Pipeline Company, and West Shore Pipeline Company. Estimated start and completion dates for utility relocation work have been provided in S.P. 106.

9.0 Coordination with Other Agencies: Coordination with other agencies will be required as described in S.P. 106:

- S.P. 106.1: **Illinois Department of Transportation** – Requires highway permit and notification of commencement of work and changes to traffic per the S.P.
- S.P. 106.2: **Cook County Department of Transportation and Highways** – Requires highway permit and notification of commencement of work per the S.P.
- S.P. 106.3: **DuPage County Division of Transportation** – Requires highway permit and notification of commencement of work per the S.P.

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

Item No.	*Item Description*

- S.P. 106.4: **Elk Grove Village** – Requires permits from public works department and notification of commencement of work per the S.P.
- S.P. 106.5: **City of Des Plaines** – Requires permits from the public works and engineering department and notification of commencement of work per the S.P.
- S.P. 106.7: **Federal Aviation Administration (FAA)** – Requires the completion of the 7460 form for all construction activity and maximum construction equipment heights in proximity to O'Hare International Airport and coordination of work per the S.P.
- S.P. 106.8: **Chicago Department of Aviation (CDA)** - Requires the completion of the 7460 form for all construction activity and maximum construction equipment heights in proximity to O'Hare International Airport and notification of commencement of work per the S.P. Additional coordination will be needed to accommodate work restrictions for runway commissionings as described in the S.P.
- S.P. 106.9: **Union Pacific Railroad** – Requires the completion of a right of entry application per the S.P. and that railroad flagging may be required to complete the work.
- S.P. 106.10: **Permitting Agencies** – Requires the permit modification be approved prior to the commencement of work and that in-stream work plans be submitted for review and approval to the USACE per the S.P.
- S.P. 106.11: **Groot Industries, Inc.** – Requires the completion of a right of entry agreement and notification of commencement of work per the S.P.
- S.P. 106.12: **Metropolitan Water Reclamation District of Greater Chicago (MWRDGC)** – Requires notification of commencement of work and coordination of operations during construction per the S.P.
- S.P. 106.13: **Chicago Department of Transportation Office of Underground Coordination (OUC) –** Requires a written letter be provided following contract notice to proceed in order to secure a permit as well as notification of commencement of the work per the S.P.

10.0 Coordination with Other Contracts

The following Illinois Tollway projects are in the vicinity of this Contract may be under construction during the term of this Contract per S.P. 106.6:

1.) C-91-052-16 (IN02) – Touhy Avenue (IL-72) Elmhurst road to Mount Prospect Road
2.) I-19-4714 (N3/N05) – Western Access Tollway (I-490) Roadway and Bridge Construction at Illinois Route 390 (IL 390)
3.) I-XX-XXXX (N06-B) – Western Access Tollway (I-490) from Devon Avenue to Pratt Boulevard (Highways & Structures)
4.) I-XX-XXXX (N07) – Western Access Tollway (I-490) from Pratt Boulevard to Touhy Avenue

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

Item No.	*Item Description*

5.) I-18-4705 (N08-C2) – Western Access Tollway (I-490) Interchange Construction, Jane Addams Memorial Tollway (I-90) Higgins Creek to Mount Prospect Road M.P. 73.5 to M.P. 74.7, Western Access Tollway (I-490) Touhy Avenue to I-90 M.P. 5.9 to M.P. 6.25

6.) I-17-4673 – Western Access Tollway (I-490) Roadway Construction, Irving Park Road (Illinois Route 19) to Illinois Route 390

11.0 Working Hours:
Refer to S.P. 109 for working hours and prosecution of the work.

12.0 Right of Way:

S.P. 118 provides the projected acquisition date and contractor access dates for each advanced temporary construction easement, permanent easement, or proposed right-of-way corresponding to parcels for which Plat of Highways drawings have been provided in the Contract Plans.

13.0 Steel and Iron Products:

Reference was made to the "Steel and Iron Products" special provision which provides requirements for domestic production of steel and iron products.

14.0 Available Geotechnical Information:

The Draft Roadway Geotechnical Reports and Structure Geotechnical Reports listed in S.P. 119 have been made available via the Tollway online plan room.

15.0 Available Reports:
The following reports as noted per S.P. 120 will be made available via the Tollway online plan room:

- Phase II Environmental Site Assessment – I-490 from Devon Avenue to Pratt Boulevard
- Phase II Environmental Site Assessment – I-490 from Pratt Boulevard to Touhy Avenue

16.0 Electronic Data Files
This project is a 3D Pilot Project. The specifications identify the Electronic Data Files that are available and posted to the Tollway's Online Plan Room. These files include alignment and profile information as well as .xml files for various existing and proposed surfaces along the I-490 corridor. Bidders should review the specifications in their entirety to understand the changes to the Tollway Supplemental Specifications that were made for this contract.

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

Item No.	*Item Description*

17.0 Addendum:

Addendum #1 is anticipated to be issued by December 9, 2019 and includes the following items:

- Minutes of this meeting
- Questions and Answers to those received

The deadline for submitting questions is December 16, 2019 at 2:00 pm local time as indicated in the Advertisement for Sealed Bids, page A-1 in Volume I of the Contract Requirements.

18.0 OPEN DISCUSSION

No additional items were discussed. The meeting moved into the Q&A session as documented below.

19.0 Written Questions Received to Date: The following written questions have been received to date:

Question #1: For the Phenolic lockers, would PSiSC/Columbia Lockers, Scranton Products, and Summit Lockers be approved manufacturers?

Answer #1: Yes, all would be acceptable manufacturers. This will be clarified in the contract documents and included as part of Addendum #2.

20.0 Questions Received in the Meeting: The following questions were asked during the meeting:

Question #1: Is it possible to reduce the file size of the electronic data files? We've experienced long loading times of the files and some do not appear to have content in them.

Answer #1: All electronic data files were verified to have the necessary content. The largest file size provided was 80 MB for the existing ground terrain. To reduce the file size, the existing ground terrain has been clipped to the relative project area. These new files have been provided as part of Addendum #1.

Question #2: Proposed surfaces for Locations 4 and 5 do not appear to have been provided. Verify.

Answer #2: See S.P. 121 for a list of the electronic data files that have been provided along with the description of what the file contains. Locations 4 and 5 proposed surfaces were provided.

Question #3: Will cross sections be provided?

Answer #3: Cross sections will not be provided. Please refer to the plans, specifications, and electronic data files for the information.

Meeting date | time:	12/03/19 1:30 pm
Meeting location:	Central Administration Building Room 175
Meeting Purpose:	Optional Pre-Bid Meeting
Chairperson:	John Szabo
Project No.:	I-18-4704

Item No.	*Item Description*

Question #4: For the building demolition, how is asbestos removal paid for? Has asbestos been identified, is there a report?

Answer #4: There is no current asbestos report for these properties. Environmental testing is required to be performed by the Contractor and the work shall be considered as included in the lump sum price for BUILDING REMOVAL for each building required to be removed. See special provision for BUILDING REMOVAL. As stated in the special provision, if environmental remediation is necessary, payment will be made through the allowance item DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE and paid for on a force account basis.

Question #5: For pay items JT669030 and JT669040, is there a specification?

Answer #5: Yes, see the EARTHWORK MANAGEMENT PLANS specification.

Question #6: Why is tree removal included in the lump sum for building removal when these are also separate pay items?

Answer #6: Tree removal located on sites associated with building proposed to be removed are part of the building removal work and, as such, will not be measured and paid separately. See special provision for BUILDING REMOVAL.

Question #7: What if unsuitable material is found in Stockpile #XX? How would that be paid for?

Answer #7: Any unsuitable material encountered in Stockpile #XX shall be paid for according to the CONTRACT ALLOWANCE FOR UNSUITABLE SOIL AND HAZARDOUS WASTE REMOVAL.

Question #8: 32% DBE is too high. We would like to see a breakdown of how this was determined as it may be unobtainable.

Answer #8: The contract participation goals for DBE and VOSB are set by the Illinois Tollway's Department of Diversity and Strategic Development based on the estimated availability of certified DBE/VOSB venders to perform or provide the anticipated services and/or supplies required by this solicitation.

Cc: Attendees and Distribution List

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,533		
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	256		
*	20100500	TREE REMOVAL, ACRES	ACRE	1.2		
*	20200100	EARTH EXCAVATION	CU YD	420,422		
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	53,096		
*	20400800	FURNISHED EXCAVATION	CU YD	110,429		
	20800150	TRENCH BACKFILL	CU YD	7,089		
	20900110	POROUS GRANULAR BACKFILL	CU YD	500		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	649		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,946		
	25000750	MOWING	ACRE	45.0		
	28100207	STONE RIPRAP, CLASS A4	TON	2		
	28100209	STONE RIPRAP, CLASS A5	TON	266		
	28200200	FILTER FABRIC	SQ YD	22,373		
D1	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	13,697		
	31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	2,927		
	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	1,387		
	35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ YD	448		
D1	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	319		
D1	35501330	HOT-MIX ASPHALT BASE COURSE, 11 1/2"	SQ YD	1,258		
	40200710	AGGREGATE SURFACE COURSE, TYPE A 10"	SQ YD	10,704		
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5,299		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,644		
D1	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	874		
D1	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	287		
D1	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	36		
D1	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	141		
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,124		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	2,601		
	44000100	PAVEMENT REMOVAL	SQ YD	5,219		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3,479		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,254		
	44003100	MEDIAN REMOVAL	SQ FT	2,799		
	44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	176		
	44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	50		
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	50		
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	100		
	44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	174		
	50102400	CONCRETE REMOVAL	CU YD	6		
	50104400	CONCRETE HEADWALL REMOVAL	EACH	5		
	50105220	PIPE CULVERT REMOVAL	FOOT	180		
	50200100	STRUCTURE EXCAVATION	CU YD	18,760		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	13,697		
	50300225	CONCRETE STRUCTURES	CU YD	7.0		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	917		
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	7,371		
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	11,903		
	51202305	DRIVING PILES	FOOT	14,710		
	51203600	TEST PILE STEEL HP12X53	EACH	8		
	51203900	TEST PILE STEEL HP14X89	EACH	8		
	51204650	PILE SHOES	EACH	179		
*	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	24,120		
	54213729	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 84"	EACH	1		
	5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	85		
	54261718	STEEL FLARED END SECTIONS 18"	EACH	1		
	542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	249		
	542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	296		
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	363		
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	301		
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	114		
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	67		
	550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	116		
	550A0210	STORM SEWERS, CLASS A, TYPE 1 60"	FOOT	308		
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	19		
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1,670		
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	2,301		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,057		
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	249		
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	1,139		
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	74		
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	993		
	550A0540	STORM SEWERS, CLASS A, TYPE 2 84"	FOOT	639		
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	10		
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	175		
	550A1050	STORM SEWERS, CLASS A, TYPE 4 36"	FOOT	57		
	550A1580	STORM SEWERS, CLASS A, TYPE 6 24"	FOOT	101		
	550A1640	STORM SEWERS, CLASS A, TYPE 6 42"	FOOT	178		
	550B0450	STORM SEWERS, CLASS B, TYPE 2 36"	FOOT	180		
	55100500	STORM SEWER REMOVAL 12"	FOOT	40		
	55100700	STORM SEWER REMOVAL 15"	FOOT	266		
	55100900	STORM SEWER REMOVAL 18"	FOOT	667		
	55101200	STORM SEWER REMOVAL 24"	FOOT	228		
*	55202184	STORM SEWERS JACKED IN PLACE, 84"	FOOT	623		
	56100500	WATER MAIN 4"	FOOT	74		
	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	212		
	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,659		
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4		
*	56400820	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	3		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	58700300	CONCRETE SEALER	SQ FT	100		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	747		
	60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	3,294		
	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	208		
	60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	340		
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER , TYPE 1 FRAME, OPEN LID	EACH	14		
	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4		
	60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9		
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60224457	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2		
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		
	60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		
	60234200	INLETS, TYPE A, TYPE I FRAME, OPEN LID	EACH	1		
	60255500	MANHOLES TO BE ADJUSTED	EACH	1		
	60500040	REMOVING MANHOLES	EACH	3		
	60500050	REMOVING CATCH BASINS	EACH	2		
	60500060	REMOVING INLETS	EACH	1		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	60600605	CONCRETE CURB, TYPE B	FOOT	197		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,294		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	50		
*	60617800	PAVED FLUME	FOOT	7		
	66400505	CHAIN LINK FENCE, 8'	FOOT	3,771		
	66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1		
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	14,196		
	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	25,000		
	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		
	66900530	SOIL DISPOSAL ANALYSIS	EACH	2		
	66900535	PRIORITY POLLUTANT GROUNDWATER ANALYSIS	EACH	2		
*	67201000	SEALING ABANDONED WATER WELLS	EACH	1		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	488		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	350		
	72000100	SIGN PANEL - TYPE 1	SQ FT	29		
	72400310	REMOVE SIGN PANEL TYPE 1	SQ FT	10		
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	44		
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	32		
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	9		
	72900100	METAL POST - TYPE A	FOOT	208		
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1		
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	558		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	8		
	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	218		
	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32		
	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	38		
	78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	77		
	78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	43		
	81023100	CONDUIT ENCASED, CONCRETE, 1" DIA., PVC 1 WIDE X 1 HIGH	FOOT	1,100		
D1	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		
*	K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALLON	22		
*	K1001970	CA-7 WASHED GRAVEL FOR RAIN GARDEN	CU YD	932		
*	X0320239	CONCRETE WALL REMOVAL	FOOT	1,566		
*	X0321309	CONCRETE PAD	SQ YD	148		
*	X0322208	TEMPORARY STORM SEWER PLUGS	EACH	5		
*	X0323389	STORM SEWER CONNECTION	EACH	1		
*	X0325950	GATE VALVE 8" WITH VAULT, 5' DIAMETER	EACH	2		
*	X0326694	PLUG EXISTING STORM SEWERS	CU YD	6		
*	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	1,044		
*	X0540000	BRICK PAVERS	SQ FT	4,927		
*	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	233		
GBSP	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	609		
*	X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1		
*	X1200130	GATE VALVE 12" WITH VAULT, 5' DIAMETER	EACH	3		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	4,515		
*	X2090210	POROUS GRANULAR BACKFILL, SPECIAL	CU YD	19,128		
*	X2111110	TOPSOIL PLACEMENT	CU YD	8,500		
*	X2200003	FENCE (SPECIAL)	FOOT	55		
*	X2503000	MAINTENANCE MOWING	ACRE	49.0		
*	X2503110	MOWING (SPECIAL)	ACRE	1.0		
*	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	1,282		
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	267		
*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	1,299		
*	X5610716	WATER MAIN REMOVAL, 16"	FOOT	412		
*	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2		
*	X6026622	VALUE VAULTS TO BE REMOVED	EACH	3		
*	X6640308	CHAIN LINK GATES (SPECIAL)	EACH	1		
*	X6640500	CHAIN LINK GATE ASSEMBLY (SPECIAL)	EACH	4		
*	X6640570	CHAIN LINK FENCE, 8' (SPECIAL)	FOOT	556		
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		
*	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1		
*	Z0007602	BUILDING REMOVAL NO. 2	L SUM	1		
*	Z0022800	FENCE REMOVAL	FOOT	9,473		
*	Z0023800	FILLING EXISTING SEPTIC TANK	EACH	1		
*	Z0043500	PRECAST CONCRETE CAR BUMPER	EACH	33		
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	1,356		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	2,354		
*	Z0056602	STORM SEWER (WATER MAIN REQUIREMENTS) 4 INCH	FOOT	135		
*	Z0056700	SANITARY SEWER 4"	FOOT	41		
*	Z0056800	SANITARY SEWER 6"	FOOT	75		
*	Z0067900	STEEL CASING, 24"	FOOT	328		
*	JA000285	STEEL CASING PIPE, BORE AND JACK, 48"	FOOT	180		
*	JA000479	ABANDON EXISTING WATER MAIN IN PLACE, 12"	FOOT	591		
*	JA000620	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1		
*	JF664001	AIRPORT FENCE, TYPE C	FOOT	2,601		
*	JF664002	AIRPORT FENCE GATE, TYPE C	EACH	3		
*	JI210100	GEOTECHNICAL FABRIC, SPECIAL	SQ YD	28,592		
*	JI211110	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	22,664		
*	JI211112	TOPSOIL EXCAVATION AND DISPOSAL	CU YD	21,757		
*	JI213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	600		
*	JI213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	600		
*	JI251010	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ YD	394,942		
*	JI485010	TEMPORARY PAVEMENT, CLASS 1	SQ YD	448		
*	JI522500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	122,925		
*	JI522505	TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	25,450		
*	JI561015	DUCTILE IRON WATER MAIN 12" IN STEEL CASING 24"	FOOT	111		
*	JI601305	PIPE UNDERDRAINS, 8" (SPECIAL)	FOOT	71		
*	JI601307	PIPE UNDERDRAINS, DIRECTIONALLY BORED, 8"	FOOT	338		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JI601325	PIPE UNDERDRAINS, FABRIC LINED TRENCH 8"	FOOT	1,766		
*	JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH	9		
*	JI602128	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE 20A FRAME AND GRATE	EACH	21		
*	JI602130	CATCH BASINS, TYPE G-4, TYPE G-3 FRAME AND GRATE	EACH	7		
*	JI602184	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20A FRAME AND GRATE	EACH	11		
*	JI602190	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE G-3 FRAME AND GRATE	EACH	2		
*	JI602200	CATCH BASINS, TYPE A, 4'-DIAMETER, SPECIAL	EACH	11		
*	JI602700	DRAINAGE STRUCTURES, TYPE 4 WITH ONE TYPE 20A FRAME AND GRATE	EACH	2		
*	JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAME AND GRATE	EACH	1		
*	JI602791	JUNCTION CHAMBER, LOCATION 1	EACH	1		
*	JI602792	JUNCTION CHAMBER, LOCATION 2	EACH	1		
*	JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1		
*	JI602794	JUNCTION CHAMBER, LOCATION 4	EACH	1		
*	JI602801	CATCH BASINS, TYPE G-4, TYPE 20A FRAME AND GRATE	EACH	5		
*	JI664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	12,151		
*	JI664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	15		
*	JI664315	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	17		
*	JI664320	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	5		
*	JI664335	DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	7		
*	JI680004	HEADWALL TYPE I, 24"	EACH	1		
*	JI680011	HEADWALL TYPE II, 48"	EACH	1		
*	JI680070	HEADWALL TYPE III, 36”, 1:3	EACH	11		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JI680071	HEADWALL TYPE III, 42", 1:3	EACH	1		
*	JI680072	HEADWALL TYPE III, 48", 1:3	EACH	4		
*	JI680120	SLOPED HEADWALL TYPE III, 6", 1:3	EACH	1		
*	JI680123	SLOPED HEADWALL TYPE III, 18", 1:3	EACH	1		
*	JI680125	SLOPED HEADWALL TYPE III, 24", 1:3	EACH	1		
*	JI680127	SLOPED HEADWALL TYPE III, 30", 1:3	EACH	2		
**	JS107360	DUST CONTROL WATERING	UNIT	5,431		
**	JS120610	HEADWALL GRATES	POUND	736		
**	JS121101	DRILL AND GROUT DOWEL BARS AND ANCHOR RODS	EACH	16		
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL MO	18		
**	JS280030	EROSION AND SEDIMENT CONTROL - EXCAVATION	CU YD	2,189		
**	JS280040	EROSION AND SEDIMENT CONTROL - CLEANOUT	CU YD	2,225		
**	JS280050	SILT FENCE	FOOT	16,498		
**	JS280051	RE-ERECT SILT FENCE	FOOT	3,531		
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1,498		
**	JS280080	FLOTATION BOOM	FOOT	165		
**	JS280100	SUPER SILT FENCE	FOOT	794		
**	JS280110	TEMPORARY PIPE SLOPE DRAINS	FOOT	395		
**	JS280140	TEMPORARY RIPRAP	TON	487		
**	JS280151	SAME-DAY STABILIZATION	SQ YD	101,640		
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	9		
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	85		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	1,160		
**	JS670CMO	FIELD OFFICE, TYPE C (MODIFIED)	CAL MO	18		
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SUM	1		
**	JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	3,400		
**	JS810240	CONDUIT ENCASED IN CONCRETE, 5" DIA., PVC	FOOT	10		
**	JS810832	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	2,000		
**	JS814001	HANDHOLE, TOLLWAY	EACH	3		
**	JS814002	HEAVY-DUTY HANDHOLE, TOLLWAY	EACH	8		
**	JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6,500		
**	JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	800		
**	JS817215	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	1,600		
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	60		
**	JS817226	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 600MCM	FOOT	75		
*	JS819002	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	3,410		
*	JS821220	LUMINAIRE, LED, PARKING LOT	EACH	16		
*	JS830016	GROUND MOUNTED LIGHT POLE, (PARKING LOT) ALUMINUM, 12 FT.	EACH	16		
**	JS836004	LIGHT POLE FOUNDATION (PARKING LOT) CONCRETE	EACH	16		
*	JT130111	BUILDING CONSTRUCTION	L SUM	1		
*	JT132017	CONTROL GATE WITH PANEL	EACH	2		
*	JT132625	GROUND ROD	EACH	11		
*	JT132662	CARD READER STANCHION	EACH	8		
*	JT134032	SITE GROUNDING	EACH	1		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT135100	CONCRETE FILLED PIPE BOLLARDS	EACH	12		
*	JT160112	INNERDUCT FOR SINGLE MODE FIBER OPTIC CABLE, 1 1/2" DIA, COILABLE NONMETALLIC, CORRUGATED	FOOT	1,600		
*	JT211200	PREPARED TOPSOIL FURNISH AND PLACE, 8"	SQ YD	692		
*	JT211202	PREPARED TOPSOIL FURNISH AND PLACE, 12"	SQ YD	23,662		
*	JT250432	SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPECIAL)	ACRE	53.5		
*	JT250442	SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SPECIAL)	ACRE	11.0		
*	JT250446	SEEDING, GRASS-FORB MIX 2 (SPECIAL)	ACRE	18.8		
*	JT250454	SEEDING, TALL FESCUE MIX (SPECIAL)	ACRE	5.0		
*	JT254019	BIOSWALE PLUGS (SPECIAL)	SQ YD	692		
*	JT280500	SEDIMENT FILTER BAG	EACH	25		
*	JT285055	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1	SQ YD	320		
*	JT285056	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 2	SQ YD	244		
*	JT504310	THREE SIDED PRECAST CONCRETE STRUCTURES 13'X14'	FOOT	143		
*	JT512300	PILE CASING, CORRUGATED METAL PIPE, 24”	FOOT	2,554		
*	JT512302	PILE CASING, CORRUGATED METAL PIPE, 30”	FOOT	2,235		
*	JT512320	PILE PRECORING	FOOT	7,108		
*	JT553100	STORMWATER DETENTION SYSTEM	CU FT	18,347		
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SUM	1		
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1		
*	JT701031	SUPPLEMENTAL SIGNING	SQ FT	574		
*	JT701050	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, 24 SQ FT IN AREA OR LESS	SQ FT	24		
*	JT701052	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, GREATER THAN 24 SQ FT IN AREA	SQ FT	50		

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	30		
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	4		
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL MO	4		
*	JT810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 6" DIA.	FOOT	490		
*	JT900088	SETTLEMENT MONITORING	CAL MO	18		
*	JT901136	POND DEWATERING LOCATION A	L SUM	1		
*	JT901137	POND DEWATERING LOCATION B	L SUM	1		
*	JT901138	POND DEWATERING LOCATION C	L SUM	1		
*	JT999912	THREE PHASE FEEDTHRU TRANSFORMER PAD	EACH	1		
			TOTAL AMOUNT OF CORE WORK			

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT154002	DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE	UNIT	110,000	1.00	$110,000.00
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	50,000	1.00	$50,000.00
*	JT154015	ALLOWANCE FOR UNFORESEEN DRAINAGE WORK	UNIT	470,000	1.00	$470,000.00
*	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURES	UNIT	60,000	1.00	$60,000.00
*	JT154042	CONTRACT ALLOWANCE FOR ADDITIONAL HAULING	UNIT	825,000	1.00	$825,000.00
*	JT154044	CONTRACT ALLOWANCE FOR UNSUITABLE SOIL AND HAZARDOUS WASTE REMOVAL	UNIT	100,000	1.00	$100,000.00
*	JT154063	CONTRACT ALLOWANCE FOR EMBANKMENT MODIFICATION	UNIT	1,700,000	1.00	$1,700,000 00
*	JT154067	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	100,000	1.00	$100,000.00
*	JT154079	ALLOWANCE FOR AIRPORT FACILITY DEMOLITION AND RELOCATION	UNIT	200,000	1.00	$200,000.00
*	JT154100	ALLOWANCE FOR SUPPLEMENTAL FLAGGING	UNIT	50,000	1.00	$50,000.00
*	JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	300,000	1.00	$300,000.00
*	JT154112	ALLOWANCE FOR ADDITIONAL ELECTRICAL AND COMMUNICATION WORK	UNIT	15,000	1.00	$15,000.00
*	JT154116	ALLOWANCE FOR UTILITY LINE PROTECTION	UNIT	100,000	1.00	$100,000.00
*	JT154119	ALLOWANCE FOR UTILITY POTHOLING FOR UNFORESEEN UTILITY RELOCATION	UNIT	45,000	1.00	$45,000.00
*	JT154126	ALLOWANCE FOR COORDINATION WITH CDOT OFFICE OF UNDERGROUND COORDINATION	UNIT	50,000	1.00	$50,000.00
*	JT154127	ALLOWANCE FOR UTILITY SERVICE CONNECTION	UNIT	90,000	1.00	$90,000.00
*	JT154165	ALLOWANCE FOR UTILITY RELOCATION	UNIT	125,000	1.00	$125,000.00
*	JT154168	ALLOWANCE FOR HAUL ROAD MAINTENANCE	UNIT	100,000	1.00	$100,000.00
*	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	900,000	$900,000.00
	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 SED MENT CONTROL PER TOLLWAY SUPPL. SPEC. 280.02 (b) (1)	INC/DAY		See Note 2	

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	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 (b) (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)	
	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)	
	999NEG44	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.1	CAL DAY		(6,000.00)	
	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.2	CAL DAY		(12,000.00)	
	999NEG46	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.3	CAL DAY		(2,000.00)	
	999NEG53	NON-COMPLIANCE WITH CONTRACTOR QUALITY PROGRAM SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG77	LIQUIDATED DAMAGES FOR NON-COMPLIANCE WITH MOWING (SPECIAL) SPECIAL PROVISION	CAL DAY		(500.00)	
		ADJUSTMENTS				
	999ADJ45	CONSTRUCTIONWORKS APPRENTICES WAGE RATE PAYMENT	HOUR		15	
	TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP)					5,390,000.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
					TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM = TOTAL AMOUNT OF BASE BID	
					BID CREDIT	
					AWARD CRITERIA	

S.P. COLUMN LEGEND

*	INDICATES SPECIAL PROVISION
**	INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATIONS
***	INDICATES IDOT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS
BDE	INDICATES IDOT BDE SPECIAL PROVISION
GBSP	INDICATES IDOT GBSP SPECIAL PROVISION
D1	INDICATES SPECIAL PROVISION

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

S.P. 106.9 COORDINATION WITH UNION PACIFIC RAILROAD

For construction on or adjacent to Union Pacific Railroad (UPRR) property, the Contractor will be required to contact the UPRR, as listed below, to secure necessary permits and obtain written authorization to occupy or otherwise use the property.

The Contractor is responsible for meeting all requirements of the Union Pacific Railroad in connection therewith and for verifying all information as it is subject to change at any time.

Mr. Chris Keckeisen
Sr Manager Industry and Public Projects
Union Pacific Railroad
1400 Douglas St STOP 0910
Omaha, NE 68179
Phone: (402) 544-5131

Information regarding Right of Entry applications, processing and approvals may be directed to:

Mr. Casey Moore
Union Pacific Railroad
1400 Douglas Street
Omaha, Nebraska 68179
Phone: (402) 544-2623

Additional information has been provided for convenience, however, the Contractor shall be responsible to verify the accuracy of the information by checking the Union Pacific Railroad website at the following link: http://www.uprr.com/reus/tempuse/index.shtml.

The Contractor shall note the following Right of Entry (ROE) fees:

Application Fee: $1,045.00
Administrative Fee for Contractor of the Licensee: $500 License
Fee: Fee provided after review and approval
Expedited Processing of ROE Application - $5,055.00 or $10,055.00

The Contractor shall be aware that an additional fee will be required, after processing of the application, to be submitted with the signed Right of Entry Agreement for the actual temporary use of the Railroad property. This fee cannot be estimated until the application is processed. It may exceed $5,000.00.

The following rates apply to flagging services, see Special Provision for CONTRACT ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES.
Normal Flagging Day - $1,500/8 hours
Estimated overtime, night, weekend and holiday work at $250/hour.

SouthHaulRoad.xml	
4677-N06A-profile-490NB.xml	I-490 NB Profile LandXML file
4677-N06A-profile-490SB.xml	I-490 SB Profile LandXML file
4677-N06A-profile-SouthFAAAccess.xml	South FAA Access Road Profile LandXML file
4677-N06A-profile-TollwayAccess.xml	Tollway Access Road Profile LandXML file
4677-N06A-profile-SouthHaulRoad.xml	South Haul Road Profile LandXML file
4677-N06A-profile-NorthFAAAccess.xml	North FAA Access Road Profile LandXML file
4677-N06A-Location1-FinishedGrade.xml	Location 1 Finished Grade LandXML file
4677-N06A-Location2-FinishedGrade.xml	Location 2 Finished Grade LandXML file
4677-N06A-Location3-FinishedGrade.xml	Location 3 Finished Grade LandXML file
4677-N06A-SouthStockpile-FinishedGrade.xml	South of 1219+00 Finished Grade LandXML file
4677-N06A-ExistGround.xml	Existing Ground LandXML with Palumbo Piles Removed
4677-N06A-ExistGroundStripped.xml	Existing Ground with topsoil and other excavated areas removed
4677-N06A-Location1-Subgrade.xml	Location 1 bottom of subgrade LandXML file. Shows bottom of topsoil as well as bottom of pond and access road aggregate.
4677-N06A-Location2-Subgrade.xml	Location 2 bottom of subgrade LandXML file. Shows bottom of topsoil as well as bottom of pond and access road aggregate.
4677-N06A-Location3-Subgrade.xml	Location 3 bottom of subgrade LandXML file. Shows bottom of topsoil as well as bottom of pond and access road aggregate.

Locations 4-6

File Name	Description
4678-N07A-Location4.xml	Location 4 Proposed Surface LandXML
4678-N07A-Location4-Bot.xml	Location 4 Proposed Subgrade Surface LandXML
4678-N07A-Location5.xml	Location 5 Proposed Surface LandXML
4678-N07A-Location5-Bot.xml	Location 5 Proposed Subgrade Surface LandXML
4678-N07A-ExistGround.xml	Existing Ground XML
4678-N07A-ExistGroundStripped.xml	Stripped Existing Ground XML
4678-N07A-AL-N FAA Access Road.xml	N FAA Access Road Alignment LandXML
4678-N07A-AL-Rogers Access Road.xml	Rogers Pond Access Road Alignment LandXML

4678-N07A-2D-GeometricLinework.dgn	Geometric Linework

Locations 7 and 8 will provide a finished grade surface and building Revit model FOR INFORMATION ONLY to the successful bidder.

S.P. 122 COMMITMENTS

NONE

S.P. 123 CONTRACT BOND

NOT USED

S.P. 124 SUBLETTING OF ASSIGNMENT OF CONTRACT

NOT USED

S.P. 125 RESERVED

S.P. 126 QUALIFICATIONS AND CERTIFICATIONS

NOT USED

S.P. 127 ELECTRONIC DATA FILES

S.P. 127.1 BID DOCUMENTS

This provision replaces Article 101.11 Bid Documents of the Illinois Tollway Supplemental Specifications.

All documents and agreements pertaining to the performance and construction of The Work, including the Contract Requirements which may include, but are not necessarily limited to, Advertisement for Bids, Instructions to Bidders, and the Proposal Form; the form of Contract; the Plant and Equipment Questionnaire; the Statement of Experience and Financial Condition; the electronic data files; the Plans; the Standard Specifications; the Supplemental Specifications, if any; the Special Provisions, if any; Addenda, if any; the form of Proposal Guaranty; the form of Certificates of Insurance; the form of Performance Bonds; the form of Payment Bonds; the form of Incumbency Certificate; and form of Secretary's Certificate.

S.P. 127.2 CONTRACT

This provision replaces Article 101.26 of the Illinois Tollway Supplemental Specifications.

The written agreement executed between the Illinois Tollway and the successful Bidder and any supplemental agreements duly executed, establishing the terms and conditions for the performance and construction of The Work and the furnishing of labor, materials and equipment by which the Contractor is bound to perform The Work and to furnish labor, equipment and materials, and by which the Illinois Tollway is obligated to compensate the Contractor therefore at the

WARRANTY (Illinois Tollway)

Effective: January 11, 2010
Revised: May 29, 2018

GENERAL

This special provision amends and supersedes any previous warranty provisions and is in addition to the warranty requirements of Article 105.18 of the Illinois Tollway Supplemental Specifications.

The Contractor warrants that all work completed under the contract pay items, including all materials and workmanship furnished by the Contractor and subcontractors shall comply with the contract, and that the work shall be free from defects or failures for the period specified after commencement of the warranty period. The Contractor does not warrant the work against failures due to design defects, due to the Illinois Tollway's routine maintenance operations or due to the occurrence of acts of nature that the finished work was not designed to withstand.

The Contractor guarantees that after receipt of notice from the Illinois Tollway as provided herein, he/she shall perform the warranty work as specified in the notice in accordance with the warranty work actions specified herein including all necessary incidental work to complete the action and restore the complete facility, and damage to adjoining structures caused by failure of the warranted work, including but not limited to removal, engineering, material procurement, reinstallation, or replacement at the Contractor's cost and expense. The Illinois Tollway's remedies under this warranty are not exclusive but are in addition to any other remedies provided by this contract or law. The additional obligations undertaken by the Contractor to provide this warranty for the work and to perform in accordance herewith shall be secured by a performance and payment bond provided by the Contractor in a form furnished by the Illinois Tollway, and said bond to remain in full force and effect for the duration of the warranty period.

For the purpose of this special provision, the following definitions shall apply:

Warranty: An assurance by the seller and/or manufacturer of a product that the goods or property will continue to perform as promised or represented and which provides for a specific remedy, such as repair or replacement, in the event the goods or property fails within a specific timeframe.

Guaranty: An assurance by the contractor that the specific Work will meet expected workmanship standards as stated in the contract or in accordance with industry standards and provides for a specific remedy, such as repair or replacement of the Work, if it fails within a specific timeframe.

Std. S.P./S.P.	DESCRIPTION	CONTRACTOR	MANUFACTURER
	ROADWAY and BRIDGES		
109.08(b) Illinois Tollway Suppl.	GUARANTY AGAINST DEFECTIVE WORK	1 year	
S.P.	MECHANICALLY STABILIZED EARTH RETAINING WALLS	3 year	5 years
	BUILDINGS		
S.P.	MULTI- PLY MEMBRANE ROOFING	1 year	20 years
S.P.	ROOF SPECIALTIES AND ACCESSORIES	1 year	2 years
S.P.	GLASS AND GLAZING	1 year	5 years
S.P.	CONDENSING UNITS	1 year	5 years
S.P.	PACKAGED OUTDOOR CENTRAL AIR HANDLING UNITS (AIR CONDITIONING EQUIPMENT)		
	Materials on compressors; starts on date of shipment.	1 year	5 years
	Materials on heat exchangers; starts on date of shipment.	1 year	15 years
S.P.	AIR CONDITIONING EQUIPMENT		
	Materials on compressors; starts on date of shipment.	1 year	5 years
	Materials on heat exchangers; starts on date of shipment.	1 year	5 years
S.P.	FIRE ALARM SYSTEM	1 year	5 years
S.P.	CARD ACCESS SYSTEM	1 year	5 years
S.P.	CAST IN PLACE CONCRETE	3 years	
S.P.	CMU	1 year	
S.P.	STRUCTURAL STEEL FRAMING	1 year	
S.P.	STEEL JOIST FRAMING	1 year	
S.P.	STEEL ROOF DECKING	15 years	
S.P.	METAL FABRICATIONS	1 year	
S.P.	MISCELLANEOUS ROUGH CARPENTRY	1 year	
S.P.	PLASTIC LAMINATE FACED ARCHITECTURAL CABINETS	1 year	
S.P.	THERMAL INSULATION	1 year	
S.P.	VAPOR RETARDERS	1 year	2 years
S.P.	FLUID APPLIED MEMBRANE AIR BARRIERS	1 year	
S.P.	FLASHING & TRIM	1 year	20 years
S.P.	ROOF SPECIALTIES	5 years	10 years
S.P.	JOINT SEALANTS ELASTOMETRIC SEALANTS	1 year	5 years
S.P.	JOINT SEALANTS EXTERIOR SILICONE	1 year	20 years
S.P.	ALUMINUM ENTRANCES & STOREFRONTS	1 year	10 years
S.P.	DOOR HARDWARE ELECTROMAGNETIC	1 year	10 years
S.P.	DOOR HARDWARE EXIT DEVICES	1 year	10 years
S.P.	DOOR HARDWARE MANUAL CLOSURES	1 year	20 years
S.P.	DOOR HARDWARE MORTISE LOCKS	1 year	10 years
S.P.	DOOR HARDWARE ELECTRIC STRIKE	1 year	2 years
S.P.	AUTOMATIC DOOR OPERATORS	1 year	2 years
S.P.	MIRRORS	1 year	5 years
S.P.	PAINTING	1 year	
S.P.	SIGNAGE	1 year	10 years
S.P.	TOILET COMPARTMENTS	1 year	
S.P.	WIRE MESH PARTITIONS	1 year	
S.P.	TOILET, BATH, & LAUNDRY ACCESSORIES	1 year	
S.P.	FIRE EXTINGUISHER	1 year	6 years
S.P.	ENTRANCE FLOOR MATS	1 year	
S.P.	OFFICE & INDUSTRIAL FURNITURES	1 year	
S.P.	WATER-BASE FIRE SUPPRESSION SYSTEM	1 year	

Std. S.P./S.P.	DESCRIPTION	CONTRACTOR	MANUFACTURER
S.P.	PLUMBING INSULATION	1 year	
S.P.	UNDERGROUND PLUMBING SYSTEMS	1 year	
S.P.	ABOVE GROUND PLUMBING SYSTEMS	1 year	
S.P.	PLUMBING EQUIPMENT	1 year	2 years
S.P.	BASIC MECHANICAL REQUIREMENTS	1 year	3 years
S.P.	HVAC DIRECT DIGITAL CONTROL SYSTEM	2 years	
S.P.	HYDRONIC PIPING	1 year	1 year
S.P.	HYDRONIC PUMPS	1 year	3 years
S.P.	HVAC FANS	1 year	4 years
S.P.	HVAC AIR CLEANING DEVICES	1 year	
S.P.	HEATING BOILERS	1 year	10 years
S.P.	GAS FIRED HEATERS	1 year	1 year
S.P.	GAS FIRED HEATERS VACUUM PUMPS CAST IRON COMBUSTION CHAMBERS	1 year	25 years
S.P.	GAS DETECTION & ALARM SENSOR INSTRUMENTATION	1 year	2 years
S.P.	PACKAGED GAS FIRED HEATING & VENTILATING UNITS	1 year	5 years
S.P.	PACKAGED AIR CONDITIONING UNITS	1 year	5 years
S.P.	ELECTRIC HEATERS	1 year	1 year
S.P.	RADIANT-HEATING HYDRONIC PIPING	1 year	
S.P.	DEHUMIDIFIERS	1 year	1 year
S.P.	BASIC ELECTRICAL REQUIREMENTS-(PEAK ELECTRIC)	1 year	
S.P.	POWER STUDIES	2 years	2 years
S.P.	ELECTRICAL POWER MONITORING AND CONTROL	1 year	
S.P.	LIGHTING CONTROL DEVICES	1 year	
S.P.	RELAY-BASED LIGHTING CONTROLS - TECHNICAL SUPPORT AND UPGRADE SERVICE	1 year	2 years
S.P.	SERVICE ENTRANCE	1 year	
S.P.	PANELBOARDS	1 year	5 years
S.P.	VARIABLE FREQUENCY MOTOR CONTROLLERS	1 year	5 years
S.P.	SURGE PROTECTION FOR LOW VOLTAGE ELECTRICAL POWER CIRCUITS	1 year	10 years
S.P.	INTERIOR LIGHTING - EMERGENCY LIGHTING BATTERIES	1 year	10 years
S.P.	EXTERIOR LIGHTING	1 year	5 years
S.P.	DIGITAL ADDRESSABLE FIRE ALARM SYSTEM	1 year	5 years
S.P.	BUILDING AUTOMATION AND CONTROL SYSTEMS	2 years	2 years
S.P.	ALUMINIUM ACCESS LADDERS	5 years	5 years
S.P.	ALUMINIUM WINDOWS	1 year	10 years
S.P.	FLOOR TILE	2 years	10 years
S.P.	SOLID PHENOLIC LOCKERS	1 year	2 years
S.P.	HVAC INSULATION	1 year	1 year
S.P.	WATER HEATER	1 year	5 years
S.P.	GAS VENT	1 year	10 years
S.P.	DIFFUSERS, REGISTERS AND GRILLES	1 year	1 year
S.P.	AWNINGS	1 year	5 years

COMMENCEMENT OF WARRANTY PERIOD

The Warranty Period Start Date shall be the Contract Completion date stated in the Chief Engineer's letter to the Contractor confirming that the Contractor has completed all work.

Commencement of warranty does not relieve the Contractor of any remaining or contractual obligations. Approval of the Warranty Period Start Date shall not be construed as final acceptance of the work of the contract not subject to approval.

The Contractor shall submit Tollway form A-27 documenting the warranty items and terms.

WARRANTY REQUIREMENTS

The Illinois Tollway will notify the Contractor of the need for corrective action. The Contractor shall perform corrective action promptly as defined in the notification. The notification will provide for a requested start date for performance of corrective action covered by the notice, and for a number of working days estimated to complete the corrective action. The Illinois Tollway and Contractor may agree upon a start date and reasonable period of performance to define prompt completion.

TREE REMOVAL (Illinois Tollway)

Effective: April 1, 2016
Revised: March 15, 2019

Description. This work shall consist of the cutting, grubbing, removal, and disposal of trees in accordance with Section 201 of the Standard Specifications except as herein modified.
Add the following to Article 201.03:

Mechanical equipment shall not be used in areas of standing water. Written permission from the Engineer is required prior to opening, lowering or otherwise disturb existing right-of-way fencing or other permanent fencing to access work.

Add the following to Article 201.04:

The Contractor shall comply with Illinois Department of Agriculture (IDOA) and the United States Department of Agriculture (USDA) quarantine requirements, guidance and restrictions for tree removal and disposal of vegetation.

The Contractor shall maintain vigilance to minimize the spread of Emerald Ash Borer (EAB), other pests and invasive weeds during removal, storage and disposal operations. Refer to the Illinois Department of Agriculture website at www.illinoiseab.com for additional information on Emerald Ash Borer.

Tree removal cannot occur from June 1st through July 31st due to Tollway's commitment to protect bat pup season.

Pay Item Number	Designation	Unit of Measure
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT
20100500	TREE REMOVAL, ACRES	ACRE

1. Notification. The Contractor will receive written notification for each parcel that is owned by the Illinois Tollway and on which work may proceed. The contractor has 30 calendar days to acquire all necessary permits after receiving notification.
2. Site Security and Perimeter Fencing. The Contractor shall secure the limits of building removal with temporary chain link fence located approximately 20-ft. from the building structure identified to be removed or as directed by the Engineer. An additional pay item is included in the contract to provide perimeter fencing necessary to secure the site as indicated on the plans or as directed by the Engineer.
3. Board up. Upon written notification from the Engineer, the Contractor shall board up and secure identified buildings using emergency board up techniques generally used by the insurance industry. Refer to Board Up section below for requirements.
4. Signs. Immediately upon written notification of ownership and prior to the wrecking of any structures, signs shall be painted on the structure. Refer to Signs section below for requirements.
5. Environmental Testing. The Contractor shall immediately order the Environmental Inspection of all structures on the parcel(s). Field inspections and sampling must be completed within 7 calendar days of receiving notice of ownership. Environmental reports, if environmental issues are discovered, shall include an abatement plan with the report. Environmental reports and abatement plan must be received within 21 calendar days following the date of the Environmental Field Inspection.
6. Utility disconnects. The Contractor shall order and coordinate the disconnection of utilities from the building(s). This includes, but is not limited to, all utilities that served the building(s) consisting of water, sprinkler system, sanitary, storm, downspout, gas, oil, HVAC, and electrical including an existing transformer, as described under Site Removals. Permits required from a local jurisdictional agency required for utility cutoffs shall be obtained within 30 days of notification of possession. Utility services to the buildings shall be removed in full up to the limit of the main service line and/or right of way. See Discontinuance of Utilities description below for additional details.
7. Environmental Remediation (if required). Upon completion of Environmental Testing, the Contractor shall forward the Environmental Report to the Engineer who will review and then forward to the Illinois Tollway. The Illinois Tollway will review the results of the Environmental reports within 14 calendar days and provide written authorization to commence with work. The remediation of any environmental issues shall be completed within 30 calendar days after written notification by the Engineer unless a separate detailed schedule is determined by the Engineer. The "Removal/Renovation Notice" form, which can be obtained from the IEPA office, shall be completed at least ten days prior to commencement of any asbestos removal or removal activity. Separate notices shall be sent for the asbestos removal work and the building removal if they are done as separate operations.
8. Demolition Permit Application. The Contractor shall submit required environmental clearances and complete the demolition permit application within the 30-day time period for Environmental Remediation. If Environmental Remediation is not required, the Contractor shall submit the Demolition Permit Application within 7 days of the completion of the Environmental Report.
9. Tree removals. The Engineer shall coordinate with the Illinois Tollway Landscape Architect and the Contractor to identify existing trees to remain. Provide temporary tree protection fencing at the dripline of trees to remain. Contractor shall notify the Engineer 21 days prior to performing tree removal at each building site. Tree removals shall not occur from June 1st through July 31st.

After completion of the pipe installation, the launch and receiving pits shall be backfilled with trench backfill as per the project Special Provisions. This work will not be paid for separately, but shall be included in the cost of the steel pipe.

Accuracy of Placement. The alignment and elevation of the forward end of the pipe shall be checked at regular intervals as work proceeds and appropriate measures shall be taken to correct any observed deviation. The maximum horizontal alignment deviation of the pipe shall not exceed ±1.0’ per 100 feet of tunneling. The maximum vertical alignment deviation shall be ±0.15’ for up to 200 feet of tunneling.

Flaggers. Any flagging protection or inspector service required by the railroad for the safety of railway operations because of work being performed by the Contractor or in connection therewith, will be in accordance with S.P. 106.8, S.P. 107.3 and the Allowance for Railroad Flagging and Services.

Method of Measurement. This work will be measured per lineal foot measured from end of casing to end of casing pipe.

Basis of Payment. This work will be paid for at the contract unit price per foot for STEEL CASING PIPE, BORE AND JACK, 48”.

Pay Item Number	Designation	Unit of Measure
JA000285	STEEL CASING PIPE, BORE AND JACK, 48”	FOOT

ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES

Description. This Special Provision establishes a budgetary allowance against which payment can be made for flagging and/or other services required and provided by the railroad as a result of work being performed by the Contractor on the Illinois Tollway system for which the scope of work cannot be determined at the time of submittal of the Proposal. This work shall be performed in accordance with Section 107.12 of the Illinois Tollway Supplemental Specifications, except the Railroad will bill the Contractor directly for this work.

General Requirements. The Contractor shall pay all costs of Railroad Flagging and/or other services required and provided by the Railroad for all work performed under the contract. These costs shall be considered separate from the contract unit prices bid for the various items of work involved. Upon written order of the Engineer, the Contractor shall pay the costs of providing flaggers and/or other services as specified with the exception of flaggers required for transporting material or equipment across the tracks. The Contractor will be reimbursed for the actual amounts paid.

Adequate notification shall be made to the Railroad to schedule the Flagger and/or other services. The Contractor shall make every effort to notify the Railroad in advance if previously requested flagger(s) or services will not be needed for any reason.

The Railroad may have specific work rules that govern their use of flaggers and other services. The Contractor shall coordinate with the appropriate Railroad contact to obtain information about specific Railroad work rules and how they may impact the cost of flagging and/or other services.

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

Basis of Payment. Railroad flagging bills shall be submitted to the Engineer by the contractor on a monthly basis. The contractor shall promptly pay the flagger bill and submit the bill to the Tollway for reimbursement. The Contractor shall receive, as administration costs, an amount equal to five percent for the first $1,000,000 or three percent for any amount over $1,000,000. Administrative costs shall be applied per invoice. Payment for this work shall not exceed the costs incurred by the Contractor and approved by the Engineer. If more than one railroad lies within the contract limits, the administration cost shall apply to each railroad. Any costs incurred for flagging protection or other track protection provided by the Railroad at the Contractor's request for those days when the Contractor does not work shall be borne by the Contractor.

Other railroad services will be paid for according to Article 109.04 of the Tollway Supplemental Specifications using a force account basis.

Pay Item Number	Designation	Unit of Measure
JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT

BUILDING CONSTRUCTION

Description. This work shall consist of supplying all labor, materials and effort to construct the Building(s) as shown on the plans, specifications and as directed by the Engineer.

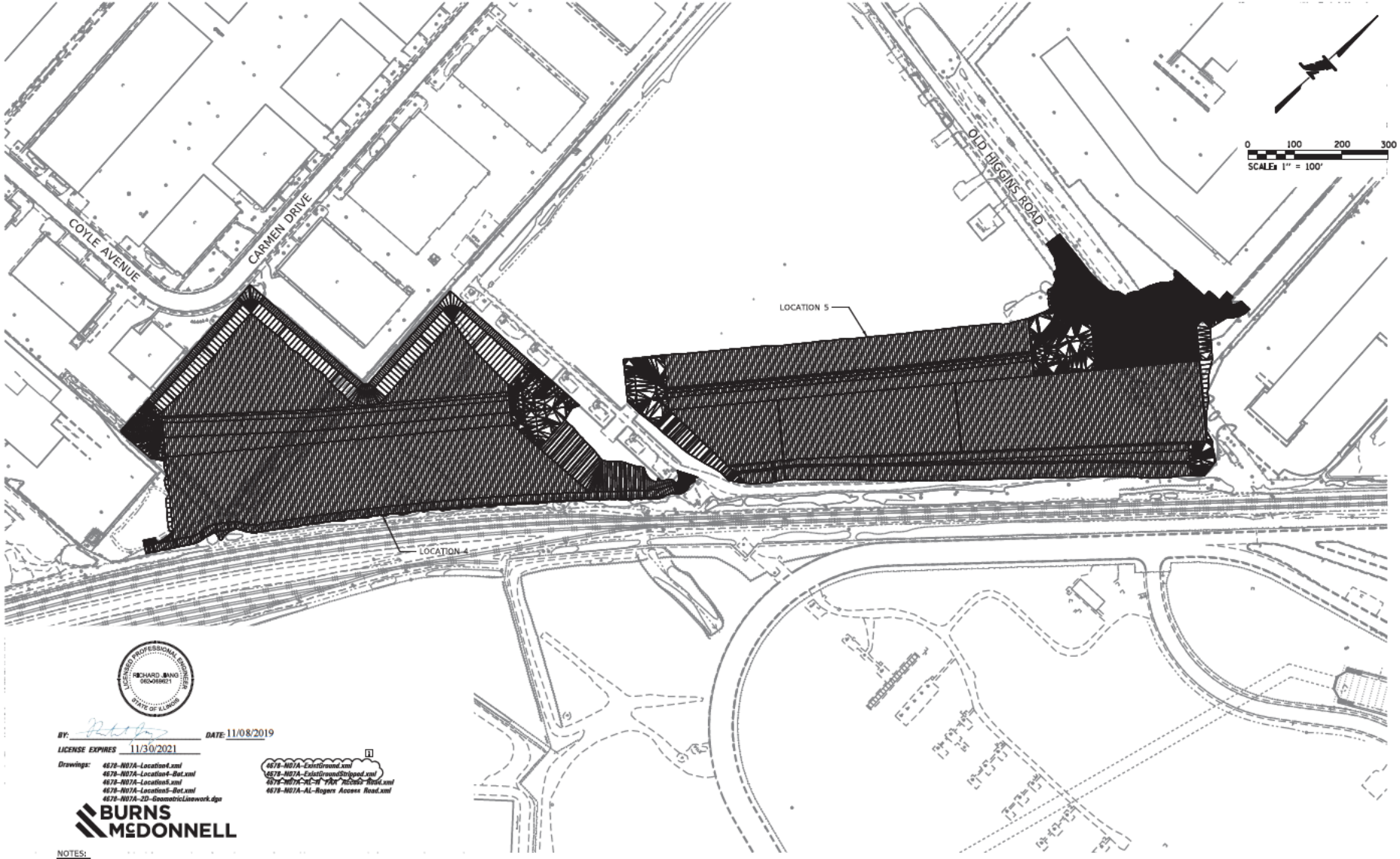
AIA format specifications pertaining to the building construction are found in Volumes III, pages J-284 through J-501, Volume IV, pages J-502 through J-680, Volume V, pages J-681 through J-963, and Volume VI, pages J-964 through J-1206, of this document.

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

Basis of Payment. This work will be paid for at the contract unit price Lump Sum for BUILDING CONSTRUCTION, which payment shall constitute full compensation to construct said building as shown in the plans and AIA-format building specifications.

Civil site work as shown on the plans shall be paid for separately by the applicable pay items shown on the plans.

Pay Item Number	Designation	Unit of Measure
JT130111	BUILDING CONSTRUCTION	L SUM



LICENSED PROFESSIONAL ENGINEER
RICHARD J. BANG
062-068021
STATE OF ILLINOIS

BY: _____ DATE: 11/08/2019

LICENSE EXPIRES 11/30/2021

Drawings:
4678-N07A-Location4.xml
4678-N07A-Location4-Bot.xml
4678-N07A-Location5.xml
4678-N07A-Location5-Bot.xml
4678-N07A-2D-GeometricLinework.dgn

1
4678-N07A-ExistGround.xml
4678-N07A-ExistGroundStripped.xml
4678-N07A-AL-W Fox Access Road.xml
4678-N07A-AL-Rogers Access Road.xml

BURNS McDONNELL

NOTES:
1. THIS SEAL IS FOR THE ELECTRONIC DATA FILES PROVIDED FOR LOCATIONS 4-5.
2. SEE 3D-01 FOR THE SEALS FOR THE ELECTRONIC DATA FILES PROVIDED FOR LOCATIONS 1-3.

DRAWN BY	RGJ	DATE	10/18/2019
CHECKED BY	RMG	DATE	10/18/2019

BURNS McDONNELL
200 West Adams Street
Suite 1600
Chicago, IL 60606
www.burnsmcd.com

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

REVISIONS		
NO.	DATE	DESCRIPTION
1	12/11/2019	ISSUED FOR ADDENDUM

CONTRACT NO. I-18-4704

SIGNATURE SHEET
3D MODEL - LOCATION 4-5

SHT 3D-02

DRAWING NO.
5 OF 635

GENERAL NOTES

1. GENERAL SAFETY PROVISIONS: TO PROVIDE ILLINOIS TOLLWAY AND CROSSROAD PATRONS SAFE TRAVEL CONDITIONS DURING THIS CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, BOTH OF THE ILLINOIS TOLLWAY AND PRIVATE CONTRACTOR, THE RULES, REGULATIONS, AND CONDITIONS WILL PREVAIL FOR THE DURATION OF THIS CONTRACT.

2. THE CONTRACTOR SHALL BE MADE AWARE THAT ALL CONSTRUCTION VEHICLES SHALL BE LIMITED TO 15 FEET ABOVE EXISTING GRADE WHILE CROSSING UNDER COMMONWEALTH EDISON'S TRANSMISSION LINES.

3. DISTRIBUTORS: ALL DISTRIBUTORS FOR ASPHALT PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGES TO MOTORISTS' VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.

4. FENCE: EXISTING FENCE THAT HAS TO BE DISCONNECTED AND/OR REMOVED FOR THE CONTRACTOR'S OPERATION SHALL BE RECONNECTED AND/OR REPLACED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE ILLINOIS TOLLWAY. TEMPORARY DENCE SHOULD BE INSTALLED IF EXISTING FENCE IS TO BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 664 OF THE STANDARD SPECIFICATIONS. ANY RIGHT-OF-WAY MARKERS DISTRIBUTED BY THE CONTRACTOR'S OPERATION SHOULD BE REESTABLISHED BY A REGISTERED LAND SURVEYOR AT NO ADDITIONAL COST TO THE ILLINOIS TOLLWAY

5. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS.

6. ALL ELEVATIONS ARE BASED ON UNITED STATES COAST AND GEODETIC SURVEY DATUM. BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS. HORIZONTAL DATUM: ILLINOIS STATE PLANE EAST ZONE (1201) NAD83 (2007 ADJ.). VERTICAL DATUM: NAVD88.

7. AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.

7. THE ACTIVE AOA SECURITY FENCE ADJACENT TO THE PROJECT LIMITS SHALL NOT BE CROSSED. THE CONTRACTOR SHALL MAINTAIN A 10' CLEARANCE FROM THE SECURITY FENCE AT ALL TIMES.

8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL FIBER OPTIC UTILITIES PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL INITIATE THE LOCATE PROCESS FOR THE FIBER OPTIC CABLE BY COMPLETING A "REQUEST TOLLWAY UTILITIES LOCATE" FORM FILLED ON-LINE ON THE ILLINOIS TOLLWAY WEBSITE UNDER "DOING BUSINESS/CONSTRUCTION AND ENGINEERING/ PERMITS AND UTILITY INFORMATION" AT LEAST FOUR (4) DAYS PRIOR TO STARTING ANY UNDERGROUND OPERATIONS, EXCAVATIONS OR DIGGING OF ANY TYPE IN GENERAL AREA OF OPTIC CABLE.

9. THE CONTRACTOR IS PROHIBITED FROM CROSSING THE EXISTING FAA DUCTBANK WITH ANY VEHICLES OR EQUIPMENT AT ANY LOCATION OTHER THAN THE PCC PAVEMENT CROSSINGS OVER THE DUCTBANK.

10. ACCESS TO ALL FAA FACILITIES SHALL BE MAINTAINED AT ALL TIMES. A CLEAR, SAFE, AND UNOBSTRUCTED PATH TO ALL FAA FACILITIES FOR USE BY FAA TECHNICIANS SHALL BE MAINTAINED DURING ALL PHASES OF THE PROJECT.

11. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD LIMITS OF THE STATE OF ILLINOIS FOR ANY VEHICLE OR EQUIPMENT TRAVERSING STRUCTURES, INCLUDING EXISTING BOX CULVERTS ALONG CONSTRUCTION ACCESS ROUTES.

12. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE FOR THE SITE AT ALL TIMES, ESPECIALLY WHENEVER ANY EXISTING PIPE CULVERTS ARE BEING REMOVED. HE/SHE SHALL MAINTAIN THE DRAINAGE WITHIN THE SITE AND AVOID DRAINING ANY RUN-OFF TO THE ADJACENT PROPERTIES OR RIGHT-OF-WAY AT LOCATIONS OTHER THAN THE EXISTING OUTLETS.

13. TREE REMOVAL ACTIVITIES SHALL NOT OCCUR FROM JUNE 1ST THROUGH JULY 31ST. [1]

CONSTRUCTION SITE ACCESS

1. THE CONTRACTOR'S WORK SITE ACCESS INTO LOCATION 1 WILL BE VIA AN EXISTING LANDSIDE HAUL ROAD CROSSING EXISTING FAA FACILITIES AT RUNWAYS 10C AND 10L EXTENDED CENTERLINES AND PROPOSED LANDSIDE HAUL ROAD. THE HAUL ROAD ENTRANCE IS LOCATED OFF OF SOUTH ACCESS ROAD, EAST OF THE INTERSECTION OF IL 19 (IRVING PARK ROAD) AND SOUTH ACCESS ROAD.

2. THE CONTRACTOR'S WORK SITE ACCESS INTO LOCATION 2 WILL BE VIA AN EXISTING AGGREGATE DRIVEWAY ENTRANCE LOCATED ON THE EAST SIDE OF YORK ROAD BETWEEN PAN AM BOULEVARD AND DEVON AVENUE.

3. THE CONTRACTOR'S WORK SITE ACCESS INTO LOCATION 3 WILL BE VIA AN EXISTING SIGNALIZED DRIVEWAY ENTRANCE LOCATED ON THE EAST LEG OF THE INTERSECTION OF ELMHURST ROAD AND PRATT BOULEVARD.

4. THE CONTRACTOR'S WORK SITE ACCESS INTO LOCATION 4 WILL BE VIA AN EXISTING GATED CDA ENTRANCE OFF OF SELL ROAD AND A FAA ACCESS ROAD CROSSING FAA FACILITIES AT RUNWAY 9L EXTENDED CENTERLINE.

5. THE CONTRACTOR'S WORK SITE ACCESS INTO LOCATION 5 WILL BE VIA AN EXISTING GATED CDA ENTRANCE OFF OF OLD HIGGINS ROAD AND A FAA ACCESS ROAD.

6. THE CONTRACTOR'S EARTHWORK TRANSFER AND GRADING WORK BETWEEN LOCATIONS 3 AND 4 WILL BE VIA THE ACCESS POINT 3A TEMPORARY EASEMENT AT THE EAST LIMIT OF THE EXISTING GROOT PROPERTY.

7. THE CONTRACTOR'S WORK SITE ACCESS FOR PROPOSED DRAINAGE CONSTRUCTION WORK FOR LOCATION 6 WILL BE VIA AN EXISTING GATED CDA ENTRANCE OFF OF MT PROSPECT ROAD AND A FAA ACCESS ROAD.

8. SEE DRAWINGS AC-01 - AC-13 FOR CONSTRUCTION ACCESS PLANS.

n:\styles\ill-tandcore2w_ADA\Documents\Transmittals\Project\U38B2B08_Final\01 CAD\xxxx_ADA\ADA06_Sheets\4127-4804-ill-tandcore-gen.dgn

DRAWN BY BPK DATE 10/16/2019 CHECKED BY ALM DATE 10/18/2019	RS&H	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. DATE DESCRIPTION 1 12/11/2019 ISSUED FOR ADDENDUM	CONTRACT NO. I-18-4704 GENERAL NOTES AND CONSTRUCTION SITE ACCESS	SHT G-04 DRAWING NO. 7 OF 635

TABLE OF CONTENTS

PART I: Instructions

Bid Schedule and Information	A-1
Construction Bid Check List	CL-1 – CL-3
Instruction and Information to Bidders	I-1 thru I-10

PART II: Bid Requirements

Prevailing Wage (Cook and DuPage County)	1 thru 14
Bid	P-1 thru P-21
Bid Bond (**Insert after P-Pages**)	
Forms A or Forms B Disclosures	N-1 thru N-2
Responsible Bidder Affidavit	PA-1
Bidder Preferences	R-1, R-2
Bidder List of Individual Contacts	R-3
Affidavit	R-4
Plant and Equipment Questionnaire	S-1 thru S-6
Current Contractual Obligations	S-7
Disadvantaged Business Enterprise Participation & Utilization Plan	DBE-1 thru DBE-18
Equal Employment Opportunity Program	EEO-1 thru EEO-9
Veteran Small Business Participation & Utilization Plan	VOSB-1 thru VOSB-11
Bid Credit Incentive Programs	BCP-1 thru BCP-5
Illinois Tollway Standard Business Terms and Conditions	TC-1 thru TC-9

PART III: Contract Requirements

Contract Bond Agreement	T-1 thru T-5
Performance Bond	U-1, U-2
Payment Bond	V-1, V-2
Insurance	I-4

VOLUME II

SPECIAL PROVISIONS	J-1 thru J-282
SPECIAL PROVISIONS	RECURR-1
SPECIAL PROVISIONS	GBSP-1 thru GBSP-3
SPECIAL PROVISIONS	D1-1 thru D1-32
SPECIAL PROVISIONS	CDA-1 thru CDA-52

VOLUME III

Buildings/Technical Specification	J-283 thru J-501

VOLUME IV

Buildings/Technical Specification	J-502 thru J-680

VOLUME V

Buildings/Technical Specification	J-681 thru J-963

VOLUME VI

Buildings/Technical Specification	J-964 thru J-1206

PART I - INSTRUCTIONS

Bid Schedule and Information **A-1**

Construction Bid Checklist **CL-1 – CL-3**

Instruction and information to Bidders **I-1 – I-10**

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
ADVERTISEMENT FOR SEALED BIDS
Bid Schedule and information for
CONTRACT NO: I-18-4704

Sealed Bids for the above numbered Contract as described below will be received by the Illinois Tollway at its offices, at 2700 Ogden Avenue, Downers Grove, Illinois 60515, until 10:30:00 a.m., local time, January 10, 2020, at which time the Bids will be opened and the bids read aloud.

An **optional pre-bid meeting** is scheduled for December 3, 2019 at the Central Administration Building in Downers Grove, at 2700 Ogden Avenue. The meeting will be held in Conference Room 175 at 1:30 PM.

The work to be done under this Contract shall be started on or about May 21, 2020. All work under this Contract shall be completed by April 8, 2022.

The work under this Contract shall consist of: The improvement to be constructed under this contract shall be performed along the Western Access Tollway (1-490) between Mile Post 4.3 and Mile Post 5.6 in Cook and DuPage Counties, Illinois. The work under this contract includes, but is not limited to, site clearing, earthwork, grading and stockpile construction, haul road construction, protection of aviation operation equipment and utilities, erosion and sediment control measures and landscaping, drainage, construction of box culverts, construction of retaining walls, construction of the Chicago Police Department's K-9 Training Facility, building demolition, watermain relocation, temporary traffic signal maintenance, Intelligent Transportation System (ITS) infrastructure, maintenance of traffic and other miscellaneous work.

The work under this Contract is to be performed on: Western Access Tollway (I-490) between Mile Post 4.3 (Devon Avenue) and Mile Post 5.6 (south of Touhy Avenue) in Cook and DuPage Counties, Illinois and at the Chicago Police Department's K-9 Training Facility in unincorporated Cook County, Illinois.

Bidders may be required to be pre-qualified by the Illinois Department of Transportation (IDOT).
IDOT Prequalification required: **Yes** If 'NO', ignore any reference to IDOT Prequalification within the remainder of this document.

Joint Ventures shall be limited to no more than three individually IDOT-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 jszabo@getipass.com, to be received no later than 2:00 p.m. local time on December 16, 2019.

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: November 18, 2019

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.	
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)	
Non-Collusion Affidavit	Page R-4	If a Joint Venture, must be submitted for each Joint Venture Partner	
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	

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 by the Illinois State Toll Highway Authority for constructing a portion of the Illinois Toll Highway System, as described in the advertisement for sealed bids.

2. EXAMINATION OF CONTRACT DOCUMENTS AND WORK SITE

Before submitting a sealed 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 Sealed Bids" (Page A-1). Answers, if any are given to such inquiries, will be in the form of 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 amount for fringe benefits) in the 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 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 and 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. **TOLLWAY 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.

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 plans, and electronic data files 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

Under 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 employment 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	Return with bid
Bid Listing All Addenda	Return with bid
Bid Bond	Return with bid
Forms A or Forms B Disclosures	Return with bid
Disadvantaged Business Enterprise DBE 2026, 2025 and DBE 2023 (if required)	Return with bid
Veteran Small Business Participation VOSB 2026, 2025 and VOSB 2023 (if required)	Return with bid
Equal Employment Opportunity Program	Return with bid
Bid Credit Program, if applicable	Return with bid
I.D.O.T. Certificate of Eligibility (if required)	Return with bid
Affidavit	Return with bid
Responsible Bidder Affidavit	Return with bid
Bidder Preferences	Return with Bid
Bidder List of Individual Contacts	Return with bid
Plant and Equipment Questionnaire	Return with bid
Illinois Tollway Standard Terms and Conditions	Return 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 11/1/19

						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		39.06	43.86	1.5	1.5	2.0	2.0	2.67	3.32	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	10.38	12.74	0.00	0.58	
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".

DuPage County Prevailing Wage Rates posted on 11/1/19

						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 TECHNICIAN	All	BLD		34.25	37.05	1.5	1.5	2.0	2.0	12.35	21.78	2.21	0.68	
ELECTRIC PWR EQMT OP	All	ALL		43.71	59.52	1.5	1.5	2.0	2.0	6.00	13.55	0.00	0.77	1.31
ELECTRIC PWR EQMT OP	All	HWY		41.45	56.38	1.5	1.5	2.0	2.0	5.50	12.87	0.00	0.73	
ELECTRIC PWR GRNDMAN	All	ALL		33.69	59.52	1.5	1.5	2.0	2.0	6.00	10.44	0.00	0.59	1.01
ELECTRIC PWR GRNDMAN	All	HWY		32.00	56.38	1.5	1.5	2.0	2.0	5.50	9.92	0.00	0.66	
ELECTRIC PWR LINEMAN	All	ALL		52.44	59.52	1.5	1.5	2.0	2.0	6.00	16.27	0.00	0.93	1.58
ELECTRIC PWR LINEMAN	All	HWY		49.67	56.38	1.5	1.5	2.0	2.0	5.50	15.40	0.00	0.88	
ELECTRIC PWR TRK DRV	All	ALL		34.90	59.52	1.5	1.5	2.0	2.0	6.00	10.83	0.00	0.62	1.05
ELECTRIC PWR TRK DRV	All	HWY		33.14	56.38	1.5	1.5	2.0	2.0	5.50	10.29	0.00	0.59	
ELECTRICIAN	All	BLD		41.00	45.00	1.5	1.5	2.0	2.0	12.35	24.58	5.72	0.75	
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	NE	ALL		42.88	44.88	1.5	1.5	2.0	2.0	13.64	14.89	0.00	0.65	
FENCE ERECTOR	W	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
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	E	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
IRON WORKER	W	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
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		38.00	38.00	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	E	ALL		50.05	52.55	2.0	2.0	2.0	2.0	14.14	21.13	0.00	1.25	
ORNAMENTAL IRON WORKER	W	ALL		45.06	48.66	2.0	2.0	2.0	2.0	10.52	20.76	0.00	0.70	
PAINTER	All	ALL		47.30	49.30	1.5	1.5	1.5	2.0	12.43	8.65	0.00	1.45	
PAINTER - SIGNS	All	BLD		39.06	43.86	1.5	1.5	2.0	2.0	2.67	3.32	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		46.75	49.56	1.5	1.5	2.0	2.0	10.85	19.01	0.00	0.95	
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	10.38	12.74	0.00	0.58	
SHEETMETAL WORKER	All	BLD		48.87	51.31	1.5	1.5	2.0	2.0	10.78	17.51	0.00	0.93	2.31
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	E	ALL		47.00	50.76	2.0	2.0	2.0	2.0	12.26	23.65	0.00	0.88	
STEEL ERECTOR	W	ALL		45.06	48.66	2.0	2.0	2.0	2.0	10.52	20.76	0.00	0.70	
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	All	ALL	1	37.61	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	
TRUCK DRIVER	All	ALL	2	37.76	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	

TRUCK DRIVER	All	ALL	3	37.96	38.16	1.5	1.5	2.0	2.0	9.08	11.36	0.00	0.15	
TRUCK DRIVER	All	ALL	4	38.16	38.16	1.5	1.5	2.0	2.0	9.08	11.36	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 DUPAGE COUNTY

IRON WORKERS AND FENCE ERECTOR (WEST) - West of Route 53.

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.

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.

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.

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 TECHNICIAN

Low voltage installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

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

Diver. Diver Wet Tender, Diver Tender, ROV Pilot, ROV Tender

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

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 yeards; 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.

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.

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-18-4704

Bids will be received by The Illinois State Toll Highway Authority at its offices, 2700 Ogden Avenue, Downers Grove, Illinois, 60515 until 10:30:00 a.m., local time, January 10, 2020 and immediately thereafter publicly opened and read aloud.

TO THE CHAIRMAN OF THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY:

The undersigned hereby proposes to perform: the improvement to be constructed under this contract shall be performed along the Western Access Tollway (1-490) between Mile Post 4.3 and Mile Post 5.6 in Cook and DuPage Counties, Illinois. The work under this contract includes, but is not limited to, site clearing, earthwork, grading and stockpile construction, haul road construction, protection of aviation operation equipment and utilities, erosion and sediment control measures and landscaping, drainage, construction of box culverts, construction of retaining walls, construction of the Chicago Police Department's K-9 Training Facility, building demolition, watermain relocation, temporary traffic signal maintenance, Intelligent Transportation System (ITS) infrastructure, maintenance of traffic and other miscellaneous work.

The services will be performed within the: Western Access Tollway (I-490) between Mile Post 4.3 (Devon Avenue) and Mile Post 5.6 (south of Touhy Avenue) in Cook and DuPage Counties, Illinois and at the Chicago Police Department's K-9 Training Facility in unincorporated Cook County, Illinois.

The undersigned declares that the Advertisement for Sealed Bids, Instructions to Bidders, this Bid Form, IDOT Standard Specifications, Tollway Supplemental Specifications, Special Provisions, Plans, Electronic Data Files, Addenda to the foregoing (if any), form of Agreement, forms of Contract Bonds, and other exhibits (if any), Highway Authority uploaded to the Online Plan Room 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, Electronic Data Files IDOT Standard Specifications, Tollway Supplemental Specifications (if any), and the accompanying Special Provisions now on uploaded to The Illinois State Toll Highway Authority Online Plan Room, and the following addenda issued thereto:

Addendum No. 1 Date 12/11/2019

Addendum No. 2 Date 1/3/2020

Addendum No. _____ Date _____

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 **Contract I-18-4704,** 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 Standard 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 Illinois

286 Memorial Court,
having principal office at Crystal Lake, IL 60014 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 8th day of January, 2020 by its Vice President, thereunto duly authorized.

[redacted] (SEAL)

[redacted] (SEAL)

CURRAN CONTRACTING COMPANY ILLINOIS CORPORATE SEAL 1987

Affix Corporate Seal BY:
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:

Rick Noe	286 Memorial Court, Crystal Lake, IL 60014
President	Address
Nick Schram	286 Memorial Court, Crystal Lake, IL 60014
Vice-President	Address
Catherine C. Curran	286 Memorial Court, Crystal Lake, IL 60014
Secretary	Address
Todd Gierke	286 Memorial Court, Crystal Lake, IL 60014
Treasurer	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-18-4704 as specified in S.P. 103.1

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,533.000	11.00	$ 16,863.00
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	256.000	22.00	$ 5,632.00
*	20100500	TREE REMOVAL, ACRES	ACRE	1.200	5,500.00	$ 6,600.00
*	20200100	EARTH EXCAVATION	CU Y	415,669.000	7.70	$ 3,200,651.30
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU Y	53,096.000	15.25	$ 809,714.00
*	20400800	FURNISHED EXCAVATION	CU Y	113,344.000	4.15	$ 470,377.60
	20800150	TRENCH BACKFILL	CU Y	7,089.000	39.80	$ 282,142.20
	20900110	POROUS GRANULAR BACKFILL	CU Y	500.000	58.21	$ 29,105.00
	25000400	NITROGEN FERTILIZER NUTRIENT	POUN	649.000	1.00	$ 649.00
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUN	1,946.000	1.00	$ 1,946.00
	25000750	MOWING	ACRE	45.000	150.00	$ 6,750.00
	28100207	STONE RIPRAP, CLASS A4	TON	2.000	399.16	$ 798.32
	28100209	STONE RIPRAP, CLASS A5	TON	266.000	59.58	$ 15,848.28
	28200200	FILTER FABRIC	SQ Y	22,373.000	0.01	$ 223.73
D1	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU Y	13,697.000	46.69	$ 639,512.93
	31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ Y	2,927.000	13.78	$ 40,334.06
	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ Y	1,387.000	16.64	$ 23,079.68
	35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ Y	448.000	15.73	$ 7,047.04
D1	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ Y	319.000	50.00	$ 15,950.00
D1	35501330	HOT-MIX ASPHALT BASE COURSE, 11 1/2"	SQ Y	1,258.000	68.00	$ 85,544.00
	40200710	AGGREGATE SURFACE COURSE, TYPE A 10"	SQ Y	10,704.000	15.14	$ 162,058.56

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	5,299.000	23.70	$ 125,586.30
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUN	1,644.000	0.01	$ 16.44
D1	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	874.000	94.00	$ 82,156.00
D1	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	287.000	135.00	$ 38,745.00
D1	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N	TON	36.000	170.00	$ 6,120.00
D1	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N	TON	141.000	185.00	$ 26,085.00
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INC	SQ Y	1,124.000	54.00	$ 60,696.00
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ F	2,601.000	8.00	$ 20,808.00
	44000100	PAVEMENT REMOVAL	SQ Y	5,219.000	9.68	$ 50,519.92
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ Y	3,479.000	12.69	$ 44,148.51
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,254.000	5.95	$ 13,411.30
	44003100	MEDIAN REMOVAL	SQ F	2,799.000	20.00	$ 55,980.00
	44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ F	176.000	4.64	$ 816.64
	44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ Y	50.000	104.00	$ 5,200.00
	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ Y	50.000	104.00	$ 5,200.00
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ Y	100.000	104.00	$ 10,400.00
	44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ Y	174.000	104.00	$ 18,096.00
	50102400	CONCRETE REMOVAL	CU Y	6.000	4,000.00	$ 24,000.00
	50104400	CONCRETE HEADWALL REMOVAL	EACH	5.000	1,102.00	$ 5,510.00
	50105220	PIPE CULVERT REMOVAL	FOOT	180.000	13.75	$ 2,475.00
	50200100	STRUCTURE EXCAVATION	CU Y	18,760.000	10.00	$ 187,600.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR S	CU Y	13,697.000	22.69	$ 310,784.93
	50300225	CONCRETE STRUCTURES	CU Y	7.000	7,500.00	$ 52,500.00
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUN	917.000	3.00	$ 2,751.00
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	7,371.000	20.00	$ 147,420.00
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	11,903.000	30.00	$ 357,090.00
	51202305	DRIVING PILES	FOOT	14,710.000	0.01	$ 147.10
	51203600	TEST PILE STEEL HP12X53	EACH	8.000	7,500.00	$ 60,000.00
	51203900	TEST PILE STEEL HP14X89	EACH	8.000	10,000.00	$ 80,000.00
	51204650	PILE SHOES	EACH	179.000	150.00	$ 26,850.00
*	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ F	24,120.000	0.01	$ 241.20
	54213729	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 8	EACH	1.000	9,980.00	$ 9,980.00
	5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	85.000	140.30	$ 11,925.50
	54261718	STEEL FLARED END SECTIONS 18"	EACH	1.000	1,212.00	$ 1,212.00
	542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	249.000	105.45	$ 26,257.05
	542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	296.000	105.45	$ 31,213.20
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	363.000	55.20	$ 20,037.60
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	301.000	52.40	$ 15,772.40
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	114.000	42.30	$ 4,822.20
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	67.000	101.60	$ 6,807.20
	550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	116.000	124.20	$ 14,407.20
	550A0210	STORM SEWERS, CLASS A, TYPE 1 60"	FOOT	308.000	197.10	$ 60,706.80

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	19.000	60.05	$ 1,140.95
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1,670.000	44.80	$ 74,816.00
	[redacted]			2,301.000	49.55	$ 114,014.55
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,057.000	54.40	$ 57,500.80
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	249.000	69.60	$ 17,330.40
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	1,139.000	91.75	$ 104,503.25
	550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	74.000	115.75	$ 8,565.50
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	993.000	126.50	$ 125,614.50
	550A0540	STORM SEWERS, CLASS A, TYPE 2 84"	FOOT	639.000	514.80	$ 328,957.20
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	10.000	361.95	$ 3,619.50
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	175.000	83.15	$ 14,551.25
	550A1050	STORM SEWERS, CLASS A, TYPE 4 36"	FOOT	57.000	264.80	$ 15,093.60
	550A1580	STORM SEWERS, CLASS A, TYPE 6 24"	FOOT	101.000	246.90	$ 24,936.90
	550A1640	STORM SEWERS, CLASS A, TYPE 6 42"	FOOT	178.000	565.55	$ 100,667.90
	550B0450	STORM SEWERS, CLASS B, TYPE 2 36"	FOOT	180.000	146.90	$ 26,442.00
	55100500	STORM SEWER REMOVAL 12"	FOOT	40.000	6.85	$ 274.00
	55100700	STORM SEWER REMOVAL 15"	FOOT	266.000	13.10	$ 3,484.60
	55100900	STORM SEWER REMOVAL 18"	FOOT	667.000	1.00	$ 667.00
	55101200	STORM SEWER REMOVAL 24"	FOOT	228.000	18.10	$ 4,126.80
*	55202184	STORM SEWERS JACKED IN PLACE, 84"	FOOT	623.000	3,086.75	$ 1,923,045.25
	56100500	WATER MAIN 4"	FOOT	74.000	319.75	$ 23,661.50

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	212.000	110.10	$ 23,341.20
	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	1,659.000	92.90	$ 154,121.10
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	4.000	1,392.00	$ 5,568.00
*	56400820	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	3.000	5,589.00	$ 16,767.00
	58700300	CONCRETE SEALER	SQ F	100.000	10.00	$ 1,000.00
	59100100	GEOCOMPOSITE WALL DRAIN	SQ Y	747.000	15.00	$ 11,205.00
	60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ Y	3,294.000	2.00	$ 6,588.00
	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	208.000	39.65	$ 8,247.20
	60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	340.000	54.30	$ 18,462.00
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER , TYPE 1 FRAME,	EACH	14.000	3,220.00	$ 45,080.00
	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, O	EACH	1.000	4,718.00	$ 4,718.00
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1.000	2,113.00	$ 2,113.00
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	3.000	6,556.00	$ 19,668.00
	60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN	EACH	1.000	7,333.00	$ 7,333.00
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	4.000	7,358.00	$ 29,432.00
	60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN	EACH	1.000	6,573.00	$ 6,573.00
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	9.000	6,730.00	$ 60,570.00
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	3.000	12,175.00	$ 36,525.00
	60224457	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, OPEN	EACH	2.000	14,586.00	$ 29,172.00
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	3.000	16,235.00	$ 48,705.00
	60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	1.000	25,029.00	$ 25,029.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	60234200	INLETS, TYPE A, TYPE I FRAME, OPEN LID	EACH	1.000	1,636.00	$ 1,636.00
	60255500	MANHOLES TO BE ADJUSTED	EACH	1.000	1,488.00	$ 1,488.00
	60500040	REMOVING MANHOLES	EACH	3.000	551.00	$ 1,653.00
	60500050	REMOVING CATCH BASINS	EACH	2.000	551.00	$ 1,102.00
	60500060	REMOVING INLETS	EACH	1.000	275.00	$ 275.00
	60600605	CONCRETE CURB, TYPE B	FOOT	197.000	35.00	$ 6,895.00
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,294.000	30.00	$ 68,820.00
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	50.000	50.00	$ 2,500.00
*	60617800	PAVED FLUME	FOOT	7.000	250.00	$ 1,750.00
	66400505	CHAIN LINK FENCE, 8'	FOOT	3,771.000	29.07	$ 109,622.97
	66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1.000	25,000.00	$ 25,000.00
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU Y	14,196.000	75.00	$ 1,064,700.00
	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALL	25,000.000	0.57	$ 14,250.00
	66900450	SPECIAL WASTE PLANS AND REPORTS	L SU	1.000	4,500.00	$ 4,500.00
	66900530	SOIL DISPOSAL ANALYSIS	EACH	2.000	1,600.00	$ 3,200.00
	66900535	PRIORITY POLLUTANT GROUNDWATER ANALYSIS	EACH	2.000	1,700.00	$ 3,400.00
*	67201000	SEALING ABANDONED WATER WELLS	EACH	1.000	2,000.00	$ 2,000.00
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	488.000	35.00	$ 17,080.00
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	350.000	15.00	$ 5,250.00
	72000100	SIGN PANEL - TYPE 1	SQ F	29.000	42.00	$ 1,218.00
	72400310	REMOVE SIGN PANEL TYPE 1	SQ F	10.000	40.00	$ 400.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ F	44.000	40.00	$ 1,760.00
	72400720	RELOCATE SIGN PANEL - TYPE 2	SQ F	32.000	50.00	$ 1,600.00
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	9.000	20.00	$ 180.00
	72900100	METAL POST - TYPE A	FOOT	208.000	16.00	$ 3,328.00
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1.000	250.00	$ 250.00
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	558.000	5.00	$ 2,790.00
	78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ F	8.000	60.00	$ 480.00
	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	218.000	10.00	$ 2,180.00
	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ F	32.000	48.00	$ 1,536.00
	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	38.000	12.00	$ 456.00
	78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	77.000	48.00	$ 3,696.00
	78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	43.000	8.25	$ 354.75
	81023100	CONDUIT ENCASED, CONCRETE, 1" DIA., PVC 1 WIDE X 1	FOOT	1,100.000	52.98	$ 58,278.00
D1	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATIO	EACH	2.000	63,292.80	$ 126,585.60
*	K0029632	WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL	GALL	22.000	100.00	$ 2,200.00
*	K1001970	CA-7 WASHED GRAVEL FOR RAIN GARDEN	CU Y	932.000	57.74	$ 53,813.68
*	X0320239	CONCRETE WALL REMOVAL	FOOT	1,566.000	31.37	$ 49,125.42
*	X0321309	CONCRETE PAD	SQ Y	148.000	100.00	$ 14,800.00
*	X0322208	TEMPORARY STORM SEWER PLUGS	EACH	5.000	1,132.00	$ 5,660.00
*	X0323389	STORM SEWER CONNECTION	EACH	1.000	2,307.00	$ 2,307.00
*	X0325950	GATE VALVE 8" WITH VAULT, 5' DIAMETER	EACH	2.000	5,122.00	$ 10,244.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	X0326694	PLUG EXISTING STORM SEWERS	CU Y	6.000	2,768.00	$ 16,608.00
*	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	1,044.000	9.15	$ 9,552.60
*	X0540000	BRICK PAVERS	SQ F	4,927.000	12.00	$ 59,124.00
*	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	233.000	8.25	$ 1,922.25
GBSP	X0900064	EMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTUR	SQ Y	609.000	30.00	$ 18,270.00
*	X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1.000	20,000.00	$ 20,000.00
*	X1200130	GATE VALVE 12" WITH VAULT, 5' DIAMETER	EACH	3.000	7,594.00	$ 22,782.00
*	X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	4,515.000	13.54	$ 61,133.10
*	X2090210	POROUS GRANULAR BACKFILL, SPECIAL	CU Y	19,128.000	43.27	$ 827,668.56
*	X2111110	TOPSOIL PLACEMENT	CU Y	8,500.000	0.01	$ 85.00
*	X2200003	FENCE (SPECIAL)	FOOT	55.000	128.29	$ 7,055.95
*	X2503000	MAINTENANCE MOWING	ACRE	49.000	150.00	$ 7,350.00
*	X2503110	MOWING (SPECIAL)	ACRE	1.000	300.00	$ 300.00
*	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUN	1,282.000	6.80	$ 8,717.60
*	X5610708	WATER MAIN REMOVAL, 8"	FOOT	267.000	11.40	$ 3,043.80
*	X5610712	WATER MAIN REMOVAL, 12"	FOOT	1,299.000	11.20	$ 14,548.80
*	X5610716	WATER MAIN REMOVAL, 16"	FOOT	412.000	9.90	$ 4,078.80
*	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME	EACH	2.000	17,438.00	$ 34,876.00
*	X6026622	VALUE VAULTS TO BE REMOVED	EACH	3.000	1,378.00	$ 4,134.00
*	X6640308	CHAIN LINK GATES (SPECIAL)	EACH	1.000	6,150.73	$ 6,150.73
*	X6640500	CHAIN LINK GATE ASSEMBLY (SPECIAL)	EACH	8.000	15,650.23	$ 125,201.84

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	X6640570	CHAIN LINK FENCE, 8' (SPECIAL)	FOOT	556.000	41.64	$ 23,151.84
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SU	1.000	12,750.00	$ 12,750.00
*	Z0007601	BUILDING REMOVAL NO. 1	L SU	1.000	92,762.56	$ 92,762.56
*	Z0007602	BUILDING REMOVAL NO. 2	L SU	1.000	310,762.56	$ 310,762.56
*	Z0022800	FENCE REMOVAL	FOOT	9,473.000	6.16	$ 58,353.68
*	Z0023800	FILLING EXISTING SEPTIC TANK	EACH	1.000	5,174.95	$ 5,174.95
*	Z0043500	PRECAST CONCRETE CAR BUMPER	EACH	33.000	200.00	$ 6,600.00
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	1,356.000	15.00	$ 20,340.00
*	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	4,204.000	6.48	$ 27,241.92
*	Z0056602	STORM SEWER (WATER MAIN REQUIREMENTS) 4 INCH	FOOT	135.000	75.85	$ 10,239.75
*	Z0056700	SANITARY SEWER 4"	FOOT	41.000	44.20	$ 1,812.20
*	Z0056800	SANITARY SEWER 6"	FOOT	75.000	152.55	$ 11,441.26
*	Z0067900	STEEL CASING, 24"	FOOT	328.000	169.80	$ 55,694.40
*	JA000285	STEEL CASING PIPE, BORE AND JACK, 48"	FOOT	180.000	1,564.15	$ 281,547.00
*	JA000395	WATER TRANSMISSION MAIN PROTECTION	L SU	1.000	6,296.80	$ 6,296.80
*	JA000479	ABANDON EXISTING WATER MAIN IN PLACE, 12"	FOOT	591.000	29.85	$ 17,641.35
*	JA000620	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSE	EACH	1.000	10,638.00	$ 10,638.00
*	JF664001	AIRPORT FENCE, TYPE C	FOOT	2,601.000	40.29	$ 104,794.29
*	JF664002	AIRPORT FENCE GATE, TYPE C	EACH	3.000	6,003.73	$ 18,011.19
*	JI210100	GEOTECHNICAL FABRIC, SPECIAL	SQ Y	28,592.000	2.58	$ 73,767.36
*	JI211110	TOPSOIL EXCAVATION AND PLACEMENT	CU Y	22,416.000	19.92	$ 446,526.72

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JI211112	TOPSOIL EXCAVATION AND DISPOSAL	CU Y	22,672.000	0.01	$ 226.72
*	JI213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	600.000	0.01	$ 6.00
*	JI213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	600.000	0.01	$ 6.00
*	JI251010	EROSION CONTROL BLANKET, BIODEGRADABLE NETTING	SQ Y	394,942.000	1.10	$ 434,436.20
*	JI485010	TEMPORARY PAVEMENT, CLASS 1	SQ Y	448.000	51.00	$ 22,848.00
*	JI522500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ F	122,925.000	72.00	$ 8,850,600.00
*	JI522505	TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING	SQ F	25,450.000	65.00	$ 1,654,250.00
*	JI561015	DUCTILE IRON WATER MAIN 12" IN STEEL CASING 24"	FOOT	111.000	148.70	$ 16,505.70
*	JI601305	PIPE UNDERDRAINS, 8" (SPECIAL)	FOOT	71.000	138.50	$ 9,833.50
*	JI601307	PIPE UNDERDRAINS, DIRECTIONALLY BORED, 8"	FOOT	338.000	65.50	$ 22,139.00
*	JI601325	PIPE UNDERDRAINS, FABRIC LINED TRENCH 8"	FOOT	1,766.000	39.35	$ 69,492.10
*	JI602120	CATCH BASINS, TYPE G-3, TYPE G-3 FRAME AND GRATE	EACH	9.000	7,132.00	$ 64,188.00
*	JI602128	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE 20A FRAME	EACH	21.000	11,008.00	$ 231,168.00
*	JI602130	CATCH BASINS, TYPE G-4, TYPE G-3 FRAME AND GRATE	EACH	7.000	19,036.00	$ 133,252.00
*	JI602184	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20A FRAME	EACH	11.000	3,843.00	$ 42,273.00
*	JI602190	CATCH BASINS, TYPE G-3 (MODIFIED), TYPE G-3 FRAME	EACH	2.000	10,661.00	$ 21,322.00
*	JI602200	CATCH BASINS, TYPE A, 4'-DIAMETER, SPECIAL	EACH	11.000	2,784.00	$ 30,624.00
*	JI602700	DRAINAGE STRUCTURES, TYPE 4 WITH ONE TYPE 20A FRA	EACH	2.000	6,477.00	$ 12,954.00
*	JI602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRA	EACH	1.000	7,197.00	$ 7,197.00
*	JI602791	JUNCTION CHAMBER, LOCATION 1	EACH	1.000	241,985.00	$ 241,985.00
*	JI602792	JUNCTION CHAMBER, LOCATION 2	EACH	1.000	408,154.00	$ 408,154.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JI602793	JUNCTION CHAMBER, LOCATION 3	EACH	1.000	263,728.00	$ 263,728.00
*	JI602794	JUNCTION CHAMBER, LOCATION 4	EACH	1.000	243,565.00	$ 243,565.00
*	JI602801	CATCH BASINS, TYPE G-4, TYPE 20A FRAME AND GRATE	EACH	5.000	12,924.00	$ 64,620.00
*	JI664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	12,151.000	14.08	$ 171,086.08
*	JI664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	15.000	468.95	$ 7,034.25
*	JI664315	PULL POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	17.000	468.95	$ 7,972.15
*	JI664320	END POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	5.000	468.95	$ 2,344.75
*	JI664335	DOUBLE VEHICLE GATE, RIGHT-OF-WAY FENCE, TYPE 1	EACH	7.000	2,328.73	$ 16,301.11
*	JI680004	HEADWALL TYPE I, 24"	EACH	1.000	3,011.00	$ 3,011.00
*	JI680011	HEADWALL TYPE II, 48"	EACH	1.000	6,061.00	$ 6,061.00
*	JI680070	HEADWALL TYPE III, 36", 1:3	EACH	11.000	3,981.00	$ 43,791.00
*	JI680071	HEADWALL TYPE III, 42", 1:3	EACH	1.000	8,092.00	$ 8,092.00
*	JI680072	HEADWALL TYPE III, 48", 1:3	EACH	4.000	6,926.00	$ 27,704.00
*	JI680120	SLOPED HEADWALL TYPE III, 6", 1:3	EACH	1.000	2,691.00	$ 2,691.00
*	JI680123	SLOPED HEADWALL TYPE III, 18", 1:3	EACH	1.000	1,699.00	$ 1,699.00
*	JI680125	SLOPED HEADWALL TYPE III, 24", 1:3	EACH	1.000	3,883.00	$ 3,883.00
**	JI680127	SLOPED HEADWALL TYPE III, 30", 1:3	EACH	2.000	2,412.00	$ 4,824.00
**	JS107360	DUST CONTROL WATERING	UNIT	5,431.000	0.01	$ 54.31
**	JS120610	HEADWALL GRATES	POUN	736.000	7.35	$ 5,409.60
**	JS121101	DRILL AND GROUT DOWEL BARS AND ANCHOR RODS	EACH	16.000	960.00	$ 15,360.00
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL	18.000	600.00	$ 10,800.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
**	JS280030	EROSION AND SEDIMENT CONTROL - EXCAVATION	CU Y	2,189.000	0.01	$ 21.89
**	JS280040	EROSION AND SEDIMENT CONTROL - CLEANOUT	CU Y	2,225.000	0.01	$ 22.25
**	JS280050	SILT FENCE	FOOT	16,498.000	2.50	$ 41,245.00
**	JS280051	RE-ERECT SILT FENCE	FOOT	3,531.000	1.00	$ 3,531.00
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ Y	1,498.000	35.52	$ 53,208.96
**	JS280080	FLOTATION BOOM	FOOT	165.000	19.22	$ 3,171.30
**	JS280100	SUPER SILT FENCE	FOOT	794.000	16.00	$ 12,704.00
**	JS280110	TEMPORARY PIPE SLOPE DRAINS	FOOT	395.000	60.45	$ 23,877.75
**	JS280140	TEMPORARY RIPRAP	TON	487.000	89.12	$ 43,401.44
**	JS280151	SAME-DAY STABILIZATION	SQ Y	101,640.000	0.01	$ 1,016.40
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	9.000	250.00	$ 2,250.00
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	85.000	150.00	$ 12,750.00
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	1,160.000	7.00	$ 8,120.00
**	JS670CMO	FIELD OFFICE, TYPE C (MODIFIED)	CAL	18.000	4,000.00	$ 72,000.00
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SU	1.000	3,000,000.00	$ 3,000,000.00
**	JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	3,400.000	82.60	$ 280,840.00
**	JS810240	CONDUIT ENCASED IN CONCRETE, 5" DIA., PVC	FOOT	10.000	86.51	$ 865.10
**	JS810832	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	2,000.000	23.92	$ 47,840.00
**	JS814001	HANDHOLE, TOLLWAY	EACH	3.000	5,470.18	$ 16,410.54
**	JS814002	HEAVY-DUTY HANDHOLE, TOLLWAY	EACH	8.000	6,910.18	$ 55,281.44
**	JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C	FOOT	6,500.000	1.52	$ 9,880.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
**	JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C	FOOT	800.000	1.80	$ 1,440.00
**	JS817215	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C	FOOT	1,600.000	2.72	$ 4,352.00
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C	FOOT	60.000	9.70	$ 582.00
*	JS817226	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C	FOOT	75.000	21.90	$ 1,642.50
*	JS819002	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	3,410.000	34.03	$ 116,042.30
*	JS821220	LUMINAIRE, LED, PARKING LOT	EACH	16.000	732.42	$ 11,718.72
**	JS830016	GROUND MOUNTED LIGHT POLE, (PARKING LOT) ALUMINUM	EACH	16.000	2,948.31	$ 47,172.96
*	JS836004	LIGHT POLE FOUNDATION (PARKING LOT) CONCRETE	EACH	16.000	2,319.50	$ 37,112.00
*	JT130111	BUILDING CONSTRUCTION	L SU	1.000	7,119,540.46	$ 7,119,540.46
*	JT132017	CONTROL GATE WITH PANEL	EACH	2.000	22,041.38	$ 44,082.76
*	JT132625	GROUND ROD	EACH	11.000	190.62	$ 2,096.82
*	JT132662	CARD READER STANCHION	EACH	8.000	1,345.70	$ 10,765.60
*	JT134032	SITE GROUNDING	EACH	1.000	2,644.24	$ 2,644.24
*	JT135100	CONCRETE FILLED PIPE BOLLARDS	EACH	12.000	500.00	$ 6,000.00
*	JT160112	INNERDUCT FOR SINGLE MODE FIBER OPTIC CABLE, 1 1/	FOOT	1,600.000	2.34	$ 3,744.00
*	JT211200	PREPARED TOPSOIL FURNISH AND PLACE, 8"	SQ Y	692.000	12.00	$ 8,304.00
*	JT211202	PREPARED TOPSOIL FURNISH AND PLACE, 12"	SQ Y	23,662.000	12.00	$ 283,944.00
*	JT250432	SEEDING, CLASS 2E SALT TOLERANT ROADSIDE MIX (SPEC	ACRE	53.500	2,400.00	$ 128,400.00
*	JT250442	SEEDING, CLASS 4F NATIVE GRASS LOW PROFILE MIX (SP	ACRE	11.000	2,500.00	$ 27,500.00
*	JT250446	SEEDING, GRASS-FORB MIX 2 (SPECIAL)	ACRE	18.800	2,600.00	$ 48,880.00
*	JT250454	SEEDING, TALL FESCUE MIX (SPECIAL)	ACRE	5.000	2,400.00	$ 12,000.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT254019	BIOSWALE PLUGS (SPECIAL)	SQ Y	692.000	6.00	$ 4,152.00
*	JT280500	SEDIMENT FILTER BAG	EACH	25.000	200.00	$ 5,000.00
*	JT285055	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE	SQ Y	320.000	188.65	$ 60,368.00
*	JT285056	ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE	SQ Y	244.000	211.34	$ 51,566.96
*	JT504310	THREE SIDED PRECAST CONCRETE STRUCTURES 13'X14'	FOOT	143.000	5,000.00	$ 715,000.00
*	JT512300	PILE CASING, CORRUGATED METAL PIPE, 24"	FOOT	2,554.000	65.00	$ 166,010.00
*	JT512302	PILE CASING, CORRUGATED METAL PIPE, 30"	FOOT	2,235.000	85.00	$ 189,975.00
*	JT512320	PILE PRECORING	FOOT	7,108.000	35.00	$ 248,780.00
*	JT553100	STORMWATER DETENTION SYSTEM	CU F	18,347.000	15.60	$ 286,213.20
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SU	1.000	4,800.00	$ 4,800.00
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SU	1.000	4,200.00	$ 4,200.00
*	JT701031	SUPPLEMENTAL SIGNING	SQ F	574.000	35.00	$ 20,090.00
*	JT701050	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, 24 SQ	SQ F	24.000	35.00	$ 840.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT701052	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, GREATI	SQ F	50.000	35.00	$ 1,750.00
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL	30.000	75.00	$ 2,250.00
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	4.000	400.00	$ 1,600.00
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL	4.000	1,000.00	$ 4,000.00
*	JT810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT,	FOOT	490.000	56.59	$ 27,729.10
*	JT900088	SETTLEMENT MONITORING	CAL	18.000	2,309.78	$ 41,576.04
*	JT901136	POND DEWATERING LOCATION A	L SU	1.000	17,669.79	$ 17,669.79
*	JT901137	POND DEWATERING LOCATION B	L SU	1.000	38,023.42	$ 38,023.42
*	JT901138	POND DEWATERING LOCATION C	L SU	1.000	17,669.79	$ 17,669.79
	JT999912	THREE PHASE FEEDTHRU TRANSFORMER PAD	EACH	1.000	4,023.39	$ 4,023.39
			TOTAL AMOUNT OF CORE WORK			$ 42,608,248.00
*	JT154002	DISPOSAL OF UNIDENTIFIED HAZARDOUS WASTE	UNIT	110,000.000	1.00	$ 110,000.00
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	50,000.000	1.00	$ 50,000.00
*	JT154015	ALLOWANCE FOR UNFORESEEN DRAINAGE WORK	UNIT	470,000.000	1.00	$ 470,000.00
*	JT154016	ALLOWANCE FOR UNFORESEEN EROSION CONTROL MEASURE	UNIT	60,000.000	1.00	$ 60,000.00
*	JT154042	CONTRACT ALLOWANCE FOR ADDITIONAL HAULING	UNIT	825,000.000	1.00	$ 825,000.00
*	JT154044	CONTRACT ALLOWANCE FOR UNSUITABLE SOIL AND HAZARDO	UNIT	100,000.000	1.00	$ 100,000.00
*	JT154063	CONTRACT ALLOWANCE FOR EMBANKMENT MODIFICATION	UNIT	1,700,000.000	1.00	$ 1,700,000.00
*	JT154067	ONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENT	UNIT	100,000.000	1.00	$ 100,000.00
*	JT154079	ALLOWANCE FOR AIRPORT FACILITY DEMOLITION AND RELO	UNIT	300,000.000	1.00	$ 300,000.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
*	JT154100	ALLOWANCE FOR SUPPLEMENTAL FLAGGING	UNIT	50,000.000	1.00	$ 50,000.00
*	JT154103	ALLOWANCE FOR RAILROAD FLAGGING AND SERVICES	UNIT	350,000.000	1.00	$ 350,000.00
*	JT154112	ALLOWANCE FOR ADDITIONAL ELECTRICAL AND COMMUNICAT	UNIT	15,000.000	1.00	$ 15,000.00
*	JT154116	ALLOWANCE FOR UTILITY LINE PROTECTION	UNIT	100,000.000	1.00	$ 100,000.00
*	JT154119	ALLOWANCE FOR UTILITY POTHOLING FOR UNFORESEEN UTI	UNIT	45,000.000	1.00	$ 45,000.00
*	JT154126	ALLOWANCE FOR COORDINATION WITH CDOT OFFICE OF UND	UNIT	50,000.000	1.00	$ 50,000.00
*	JT154127	ALLOWANCE FOR UTILITY SERVICE CONNECTION	UNIT	90,000.000	1.00	$ 90,000.00
*	JT154165	ALLOWANCE FOR UTILITY RELOCATION	UNIT	125,000.000	1.00	$ 125,000.00
*	JT154168	ALLOWANCE FOR HAUL ROAD MAINTENANCE	UNIT	200,000.000	1.00	$ 200,000.00
	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SU	1.000	900,000	$ 900,000.00
	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 (b) (1)	INC/DAY		See Note 2	

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
	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 (b) (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)	
	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)	
	999NEG44	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.1	CAL DAY		(6,000.00)	
	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.2	CAL DAY		(12,000.00)	
	999NEG45	LIQUIDATED DAMAGES FOR NON-COMPLETION PER S.P. 105.1.3	CAL DAY		(2,000.00)	
	999NEG53	NON-COMPLIANCE WITH CONTRACTOR QUALITY PROGRAM SPECIAL PROVISION	OCCUR		(1,000.00)	
	999NEG77	LIQUIDATED DAMAGES FOR NON-COMPLIANCE WITH MOWING (SPECIAL) SPECIAL PROVISION	CAL DAY		(500.00)	
		ADJUSTMENTS				
	999ADJ45	CONSTRUCTIONWORKS APPRENTICES WAGE RATE PAYMENT	HOUR		15	
	TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM (CQP)					$ 5,640,000.00

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT I-18-4704
WESTERN ACCESS TOLLWAY (I-490)
ADVANCE EARTHWORK, DRAINAGE, AND RETAINING WALL CONSTRUCTION
MILEPOST 4.3 TO MILEPOST 5.6
SCHEDULE OF PRICES

S.P.	PAY ITEM NO.	DESIGNATION	UNIT	QUANTITY	UNIT PRICE DOLLAR	AMOUNT DOLLAR
		TOTAL AMOUNT OF CORE WORK + TOTAL AMOUNT OF CONTINGENCY WORK + CONTRACTOR'S QUALITY PROGRAM = TOTAL AMOUNT OF BASE BID				$ 48,248,248.00
		BID CREDIT				$ (348,045.82)
		AWARD CRITERIA				$ 47,900,202.18

S.P. COLUMN LEGEND

*	INDICATES SPECIAL PROVISION
**	INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATIONS
***	INDICATES IDOT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS
BDE	INDICATES IDOT BDE SPECIAL PROVISION
GBSP	INDICATES IDOT GBSP SPECIAL PROVISION
D1	INDICATES SPECIAL PROVISION

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

OPENED 1/10 2020

BOND OR
CHECK ENCLOSED: YES___ NO___

No. 00753

Illinois State Toll Highway Authority

This Certifies that Curran Contracting, Co. has earned a total of $72,859.94 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 9-December-2019

Illinois Tollway

The owner of this certificate # 00753 is tendering $ 72,859.94 credits for use on bid for contract #I-18-4704 on (date) 1-9-2020. I understand that any credits not utilized for a winning bid will be returned.

Signed: [redacted]

Certificate No.

00753

Issued To:

Curran Contracting, Co.

Dated:

December 9, 2019

In the Amount of:

$72,859.94

Certificate Issued By:

Issuance of this Certificate supersedes and voids all previously issued Certificates

Participants:

Pay Period

09/01/2019 - 11/02/2019

Cody Powers, Will Francis, Matthew Billuni

Bids/Contracts:

None

Other Credits:

No. 00726

Illinois State Toll Highway Authority

This Certifies that Material Solutions Laboratory has earned a total of $275,185.88 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 15-October-2019

Illinois Tollway

The owner of this certificate # 00726 is tendering $ $275,000 credits for use on bid for contract # I-18-4704 on (date) 1-9-2020. I understand that any credits not utilized for a winning bid will be returned.

Signed: [redacted]

Certificate No.

00726

Issued To:

Material Solutions Laboratory

Dated:

October 15, 2019

In the Amount of:

$275,185.88

Certificate Issued By:

Issuance of this Certificate supersedes and voids all previously issued Certificates

Participants:

Pay Period

07/20/2019 - 09/20/2019

Miguel Perez, Mohammed Moinuddin, Danielle Krasny, Haider Ebraheemi

Bids/Contracts:

None

Other Credits:

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency.

Project Information:

Route Western Access Tollway (I-490) Marked M.P. 4.3 to M.P. 5.6

Section Devon Avenue to Touhy Avenue Project No I-18-4704

County DuPage and Cook

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit No. ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification: That I agree to comply therewith; and that I will ensure that all Subcontractors working on the subject project understand and comply with said permit.

[redacted] 10/15/20

Signature Date

Project Manager

Title

Curran Contracting Company

Name of Firm

286 Memorial Court

Street Address

Crystal Lake IL 60014

City State Zip Code

815-455-5100

Telephone Number

ATTACHMENT _____

Note: CONTRACTOR TO COMPLETE

Prepare additional signature pages as needed if the responsibilities of the Storm Water Pollution Prevention Plan are split between contractors - specify which item(s) these sub-contractors assume responsibility for.

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:
(Name, legal status and address)

Curran Contracting Company
286 Memorial Court
Crystal Lake, IL 60014

SURETY:
(Name, legal status and principal place of business)
Continental Casualty Company
151 N. Franklin Street
Chicago, IL 60606
Mailing Address for Notices

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.

OWNER:
(Name, legal status and address)

Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515

BOND AMOUNT: 5% Five Percent of Amount Bid

PROJECT:
(Name, location or address, and Project number, if any)

WESTERN ACCESS TOLLWAY (I-490) / CONTRACT NO: I-18-4704

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 10th day of January, 2020.

[redacted]
(Witness)

Curran Contracting Company
(Principal) *(Seal)*

By [redacted]
(Title)

[redacted]
(Witness)

Continental Casualty Company
(Surety) *(Seal)*

By: [redacted]
(Title) Susan K. Landreth , Attorney-in-Fact

CURRAN CONTRACTING COMPANY CORPORATE SEAL 1987 ILLINOIS

CONTINENTAL CASUALTY COMPANY CORPORATE SEAL 1897

ACKNOWLEDGEMENT OF SURETY

STATE OF ILLINOIS
COUNTY OF COOK

On this 10th day of January, 2020 before me personally came Susan K. Landreth to me known, who being by so duly sworn, did depose and say: that she is

Attorney-In-Fact of Continental Casualty Company

the Corporation described in and which executed the foregoing instrument; that she knows the seal of said Corporation; that the seal affixed to said instrument is such corporate seal; that is was so affixed by authority granted to him/her in accordance with the By-Laws of the said Corporation, and that she signed her name thereto by like authority.

[redacted]

NOTARY PUBLIC, Sarah E. Green

My Commission Expires:

February 17, 2020

"OFFICIAL SEAL"
SARAH E. GREEN
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 2/17/2020

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

Susan K. Landreth , Individually

of Chicago, IL their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

Surety Bond No.: Bid Bond
Principal: Curran Contracting Company
Obligee: Illinois State Toll Highway Authority

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

In Witness Whereof, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 27th day of February, 2018.

Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

[redacted]

Paul T. Bruflat Vice President

State of South Dakota, County of Minnehaha, ss:

On this 27th day of February, 2018, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.

J. MOHR
NOTARY PUBLIC
SOUTH DAKOTA

My Commission Expires June 23, 2021

[redacted]

J. Mohr Notary Public

CERTIFICATE

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 10th day of January, 2020.

Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

[redacted]

D. Johnson Assistant Secretary

Form F6853-4/2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Authorizing By-Laws and Resolutions

ADOPTED BY THE BOARD OF DIRECTORS OF CONTINENTAL CASUALTY COMPANY:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company at a meeting held on May 12, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of Continental Casualty Company.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers")to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

ADOPTED BY THE BOARD OF DIRECTORS OF NATIONAL FIRE INSURANCE COMPANY OF HARTFORD:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of National Fire Insurance Company of Hartford.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers")to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

ADOPTED BY THE BOARD OF DIRECTORS OF AMERICAN CASUALTY COMPANY OF READING, PENNSYLVANIA:

This Power of Attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the Board of Directors of the Company by unanimous written consent dated May 10, 1995:

"RESOLVED: That any Senior or Group Vice President may authorize an officer to sign specific documents, agreements and instruments on behalf of the Company provided that the name of such authorized officer and a description of the documents, agreements or instruments that such officer may sign will be provided in writing by the Senior or Group Vice President to the Secretary of the Company prior to such execution becoming effective."

This Power of Attorney is signed by Paul T. Bruflat, Vice President, who has been authorized pursuant to the above resolution to execute power of attorneys on behalf of American Casualty Company of Reading, Pennsylvania.

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 25th day of April, 2012:

"Whereas, the bylaws of the Company or specific resolution of the Board of Directors has authorized various officers (the "Authorized Officers")to execute various policies, bonds, undertakings and other obligatory instruments of like nature; and

Whereas, from time to time, the signature of the Authorized Officers, in addition to being provided in original, hard copy format, may be provided via facsimile or otherwise in an electronic format (collectively, "Electronic Signatures"); Now therefore be it resolved: that the Electronic Signature of any Authorized Officer shall be valid and binding on the Company. "

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-18-4704
(Enter Tollway Contract Number)

SUBMITTING BIDDER: Curran Contracting Company
(Enter Name of Firm)

ADDRESS: 286 Memorial Court

Crystal Lake, IL 60014

STATE OF ILLINOIS)
) **SS**
COUNTY OF McHenry)

The Affiant, Nick Schram, being first duly sworn, upon oath deposes and says:

1. That the Affiant is Vice President of Curran Contracting Company who is the bidder on the above referenced contract by the Illinois State Toll Highway Authority, hereinafter "Owner" for the contract known as I-18-4704 *(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 8th **DAY OF** January, 2020.

[redacted]

NOTARY PUBLIC

OFFICIAL SEAL
JEANNINE L GARRIEPY
NOTARY PUBLIC - STATE OF ILLINOIS
My Commission Expires Nov 17, 2020

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.

- [X] Resident Bidder (30 ILCS 500/45-10)
- [X] 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:

Nick Schram

Vendor Name:

Curran Contracting Company

Date:

January 8, 2020

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

CONTRACT NO. I-18-4704

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	Jairus Camarena	815-455-5100 X 339	jcamarena@ currancontracting.com
Bid Guaranty	Nick Schram	815-455-5100 X 309	nschram@ currancontracting.com
DBE 2026	Nick Schram	815-455-5100 X 309	nschram@ currancontracting.com
EEO Program	Jeannine Garriepy	815-455-5100 x 324	jgarriepy@ currancontracting.com
VOSB 2026	Nick Schram	815-455-5100 X 309	nschram@ currancontracting.com
Financial Disclosures Forms A or Forms B	Jim Lancaster	815-455-5100 x 323	jlancaster@ currancontracting.com
IDOT Certificate of Eligibility	Jim Lancaster	815-455-5100 x 323	jlancaster@ currancontracting.com
Non-Collusion Affidavit – Page R-4	Nick Schram	815-455-5100 X 309	nschram@ currancontracting.com

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
CONTRACT NO. I-18-4704

AFFIDAVIT

State of Illinois)
) SS
County of McHenry)

The undersigned, being first duly sworn, on his/her oath deposes and says:

That his/her name is Nick Schram, and he/she resides at Crystal Lake, and his/her office is at 286 Memorial Court, Crystal Lake, IL 60014; That he/she makes, and is authorized to make

this affidavit on behalf of Curran Contracting Company, a
(Name of Corporation, Partnership, etc.)

Corporation, formed under the laws of Illinois
(Sole proprietorship, corporation, partnership, etc.) (Name of State)

of which he/she is 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 System, described in **Contract no. I-18-4704** 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 8th day of January, 2020,

[redacted]
(Notary Public)

My Commission Expires: 11/17/20

OFFICIAL SEAL
JEANNINE L GARRIEPY
NOTARY PUBLIC - STATE OF ILLINOIS
My Commission Expires Nov. 17, 2020

CONTRACT NO. I-18-4704

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

CURRAN

286 Memorial Court, Crystal Lake, IL 60014
Phone (815) 455-5100 Fax (815) 455-7894

NAME OF INDIVIDUAL	POSITION	Year	EXPERIENCE	TYPE OF WORK
Rick Noe	President	30 Years	All Types	General Manager
Michael Leopardo	Vice President	28 Years	Paving, Milling, Recycle & Earthwork	Estimating & Project Manager
Mike Pachla	Vice President	23 Years	Excavation, etc.	Excavation Division
Nick Schram	Vice President	17 Years	Excavation, etc.	Excavation Div. & GPS
Ed Muncie	Safety/Risk Manager	21 Years	All Types	Safety Manager
Paul Cervera	Safety Manager	23 Years	All Types	Safety
Joe Francis	Senior Project Manager	31 Years	All types	Operations
Jeff Hammes	General Superintendent	38 Years	All Types	Operations
Randy Roewer	General Superintendent	32 Years	All Types	Operations
Brad Quinn	General Superintendent	21 Years	All Types	Operations
Nick Loome	General Superintendent	7 Years	All Types	Excavation Division
Scott Botterman	General Superintendent	11 Years	All Types	Excavation Division
Josh Flury	Project Manager	7 Years	All Types	Operations
Matt Davis	Project Manager	4 Years	All Types	Operations
Jeff Pennino	Senior Estimator	32 Years	All types	Operations
John Lenzi	Project Superintendent	20 Years	All types	Excavation Division
Jairus Camarena	Project Manager /LEED Cert	11 Years	Demolition, Excavation	Operations
Barb Bensinger	Asst Project Manager	11 Years	All Types	Operations

CONTRACT NO. I-18-4704

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			

Equipment Owned

7/23/2019

Quantity	Unit	Description, Size, Capacity Etc.	Manufacturer	Year of MFR	Your I.D. No. or Code
		DOZER - CAT D6N	Caterpillar	2008	01-0801
		DOZER - CAT D6N	Caterpillar	2011	01-1101
		DOZER - JD 850J XLT	John Deere	2007	01-0701
		DOZER - JD 700J XLT	John Deere	2007	01-0702
		DOZER - JD 850J	John Deere	2009	01-0901
		DOZER - JD 750K LT, 155 HP	John Deere	2014	01-1402
		DOZER - JD 750K	John Deere	2015	01-1506
		DOZER-JD 850K CRLR	John Deere	2015	01-1508
		BUS - BLUE BIRD	Blue Bird	2002	06-0201
		JD 160 Excavator	John Deere	2012	07-1211
		EXCAVATOR - CAT 328, 1.6 CY	Caterpillar	2012	07-1202
		EXCAVATOR - CAT 336EL, 1.6 CY	Caterpillar	2013	07-1307
		EXCAVATOR - JD 270D LC, 1.6 CY	John Deere	2007	07-0702
		EXCAVATOR - JD 225C LC, 1.1 CY	John Deere	2007	07-0701
		BROOM - POWER - BROCE RJ350	Broce	2011	08-1101
		WHEEL LOADER - CAT 924K 2.5CY(2)	Caterpillar	2014	10-1405
		WHEEL LOADER - JD 544J, 3 CY	John Deere	2006	10-0604
		WHEEL LOADER - JD 544G, 2.5 CY	John Deere	1995	10-9501
		TRACK LOADER - JD 755C, 4 CY	John Deere	2006	10-0603
		WHEEL LOADER - CAT 980G, 7 CY	Caterpillar	2004	10-0401
		WHEEL LOADER - JD 844J, 7 CY	John Deere	2006	10-0601
		WHEEL LOADER - JD 844K	John Deere	2014	10-1402
		WHEEL LOADER - CAT 980G, 7 CY	Caterpillar	1999	10-9902
		LOADER SKIDSTEER - CAT 272C	Caterpillar	2011	11-1102
		LOADER SKIDSTEER - CAT 272C	Caterpillar	2012	11-1203
		LOADER SKIDSTEER - CAT 262C	Caterpillar	2012	11-1205
		LOADER SKIDSTEER - CAT 262C	Caterpillar	2012	11-1206
		LOADER SKIDSTEER - CAT 272D	Caterpillar	2013	11-1301
		LOADER COMPACT TRACK - CAT 279D	Caterpillar	2015	11-1504
		LOADER COMPACT TRACK - CAT 259B3	Caterpillar	2012	11-1202
		LOADER COMPACT TRACK - CAT 279C2, 82 HP	Caterpillar	2013	11-1306
		GRADER - JD 672D	John Deere	2007	25-0701
		GRADER - JD 772CH	John Deere	1999	25-9901
		TRAILER - PRIME BUGGY	Mauldin	2006	27-1102
		TRAILER - PRIME BUGGY	Mauldin	2011	27-1204
		TRAILER - LOWBOY	Etnyre	2005	27-0502
		TRAILER - LOWBOY	Etnyre	2010	27-1001
		55 TON 3 AXLE AIRRIDE LOWBOY TRAILER	Talbe	2017	27-1701
		MILL - WIRTGEN W150	Wirtgen	2010	31-1001
		PAVER - RUBBER TIRE, CAT AP-600D, 8ft	Caterpillar	2012	32-1201
		PAVER - RUBBER TIRE, CAT AP-1000F	Caterpillar	2015	32-1503
		PAVER - RUBBER TRACK, TRACK - AP-1055D, 10ft	Caterpillar	2007	32-0701
		ROLLER - R2H-1 3 WHEEL SAKAI	Sakai	2006	33-0606
		ROLLER - STATIC, R2H, 22"/43", 3 WHEEL	Sakai	2007	33-0703
		ROLLER - VIBE, CAT CB214E, 39"	Caterpillar	2004	33-0401
		ROLLER - VIBE, IR DD24 49"	Ingersol Rand	2006	33-0602
		ROLLER - VIBE, HAMM HD12, 47"	Hamm	2007	33-0701
		ROLLER - VIBE, CAT CB-24 47"	Caterpillar	2011	33-1101
		ROLLER - VIBE, CAT CB-24 47"	Caterpillar	2011	33-1103
		ROLLER - VIBE, CAT CB-34 51"	Caterpillar	2011	33-1102
		ROLLER - VIBE, CAT CB-34 XW 55"	Caterpillar	2011	33-1104
		ROLLER - VIBE, CAT CB-34 51"	Caterpillar	2011	33-1105
		ROLLER - VIBE, CAT CB-54 67"	Caterpillar	2011	33-1106
		ROLLER - VIBE, CAT CB-54 67"	Caterpillar	2011	33-1107

		ROLLER - VIBE, CAT CB-54 67"	Caterpiller	2011	33-1108
		ROLLER - VIBE, SAKAI SW-850-2 84"	Sakai	2009	33-0901
		ROLLER - VIBE, SAKAI SW-850-2 84"	Sakai	2010	33-1001
		ROLLER - VIBE, SAKAI SW-850-2 84"	Sakai	2010	33-1002
		ROLLER - STATIC, HYPAC C350D, 60"	Hypac	2008	33-0801
		ROLLER - STATIC, HYPAC C350D, 60"	Hypac	2008	33-0802
		ROLLER - BASE, HAMM 3412, 84"	Hamm	2003	33-0302
		ROLLER - BASE, HAMM 3410, 84"	Hamm	2008	33-0806
		ROLLER - BASE, HAMM H11ix, 84"	Hamm	2015	33-1510
		ROLLER - BASE, HAMM H11ix, 84"	Hamm	2015	33-1511
		ROLLER - BASE, IR SD100D 84"	Ingersol Rand	1994	33-9402
		ROLLER - BASE, IR SD100D 84"	Ingersol Rand	1998	33-9801
		TRUCK - DUMP, GMC 4500	GMC	2003	36-0302
		TRUCK - DUMP, FORD F-450 XL SUPER DUTY	Ford	2007	36-0705
		TRUCK - DUMP, FORD F-550 RIGID SIDE	Ford	2013	36-1304
		TRUCK - MECHANICS, CHEVY	Chevrolet	2000	36-0012
		TRUCK - MECHANICS, FORD F750	Ford	2006	36-0606
		TRUCK - MECHANICS, FORD F550	Ford	2006	36-0606
		TRUCK - FORD F250	Ford	2004	03-0401
		TRUCK - PICK-UP, FORD F-250	Ford	2004	36-0402
		TRUCK - PICK-UP, FORD RANGER	Ford	2006	36-0601
		TRUCK - PICK-UP, FORD RANGER	Ford	2009	36-0901
		TRUCK - PICK-UP, FORD F-250	Ford	2011	36-1101
		TRUCK - PICK-UP, FORD F-350	Ford	2012	36-1202
		TRUCK - PICK-UP, FORD F-350	Ford	2012	36-1204
		TRUCK - PICK-UP, FORD F-350	Ford	2012	36-1205
		TRUCK - PICK-UP, CHEVY 2500HD	Chevrolet	2015	36-1501
		TRUCK - PICK-UP, CHEVY 2500HD	Chevrolet	2015	36-1502
		TRUCK - PICK-UP, CHEVY 2500HD	Chevrolet	2015	36-1503
		TRUCK - PICK-UP, CHEVY 2500HD	Chevrolet	2015	36-1505
		TRUCK- GMC SIERRA	Chevrolet	2015	36-1513
		TRUCK - PICK-UP, GMC 2500HD	GMC	2017	36-1705
		TRUCK - PICK-UP, CHEVY K2500 W/ PLOW	Chevrolet	2008	36-0801
		TRUCK - PICK-UP, CHEVY K2500 W/ PLOW	Chevrolet	2009	36-0902
		TRUCK - PICK-UP, GMC 2500	GMC	2009	36-0905
		TRUCK - SEMI, MACK CH613	Mack	2001	36-0102
		TRUCK - SERVICE, PETERBUILT	Peterbuilt	2007	36-0707
		TRUCK - SEMI, KENWORTH T800	Kenworth	2014	36-1404
		TRUCK - SEMI, KENWORTH T800	Kenworth	2014	36-1405
		TRUCK - SERVICE, INTERNATIONAL	International	2000	36-0004
		TRUCK - SERVICE, INTERNATIONAL	International	2000	36-0016
		TRUCK - SERVICE, INTERNATIONAL	International	2000	36-0018
		TRUCK - PATCH, INTERNATIONAL, TANDUM	International	2000	36-0003
		TRUCK - WATER, INTERNATIONAL, 1600 GAL	International	2000	36-0013
		TRUCK - WATER, FREIGHTLINER, 2500 GAL	Freightliner	2000	36-0017
		TRUCK - WATER, INTERNATIONAL, 3000 GAL	International	2000	36-0020
		TRUCK - WATER, INTERNATIONAL, 1600 GAL	International	1998	36-9913
		TRUCK - UTILITY, CHEVY C3500	Chevrolet	2008	36-0806
		TRUCK - UTILITY, CHEVY C3500	Chevrolet	2008	36-0809
		TRUCK - UTILITY, CHEVY C3500	Chevrolet	1999	36-9917
		AIR COMPRESSOR - IR 185CFM	Ingersol Rand	2009	46-0901
		AIR COMPRESSOR - IR P185C	Ingersol Rand	1991	46-9101
		AIR COMPRESSOR - ATLAS COPCO XAS-186	Atlas Copco	2011	46-1101
		AIR COMPRESSOR - ATLAS COPCO XAS-185	Atlas Copco	2011	46-1102
		MILL SKIDSTEER	Universal	2008	48-0801
		MILL SKIDSTEER	Universal	2008	48-0813
		Elgin Eagle Sweeper	Elgin	20073	48-0713
		BROOM - BOBCAT 72"	Bobcat	2010	48-1022
		BROOM - BOBCAT 60"	Bobcat	2011	48-1105

		SHUTTLE BUGGY - ROADTEC SB2500D	Roadtec	2008	52-0601
		ROAD WIDENER - BG BG-730	Barber Green	1992	56-9201

CONTRACT NO. I-18-4704

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			

CONTRACT NO. I-18-4704

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
		NONE			

CONTRACT NO. I-18-4704

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.

CONTRACT NO. I-18-4704

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 Electronic Data Files YES X NO_____

The IDOT Standard Specifications and Tollway Supplemental Specifications, latest edition as referenced in S. P. 101 YES X NO_____

Dated at 286 Memorial Ct., Crystal Lake, IL 60014 this 8th day of January, 2020.

Curran Contracting Company
Name of Organization

By [redacted]

Nick Schram, Vice President
Title of Person Signing

STATE OF Illinois)
)
COUNTY OF McHenry)

Nick Schram being duly sworn deposes and says that he/she is Vice President of the above Curran Contracting Company 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 8th day of January, 2020.

[redacted]
Notary Public

My Commission Expires: 11/17/20

OFFICIAL SEAL
JEANNINE L GARRIEPY
NOTARY PUBLIC - STATE OF ILLINOIS
My Commission Expires Nov. 17, 2020

CONTRACT NO. I-18-4704

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
		SEE ATTACHED		

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
		SEE ATTACHED		

TOTAL OF BIDS PENDING AWARD **Please see attached**

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.

Curran Contracting Company
BIDDER

January 8, 2020
DATE

[redacted]
BY: SIGNATURE

Vice President
TITLE

SUB-CONTRACTOR

SUB-CONTRACTOR

CONTRACTOR	OWNER OR AGENCY	VALUE OF WORK UNEARNED	TYPE OF WORK YET TO BE PERFORMED	ESTIMATED COMPLETION DATE
FCL Builders		$ 374,955	Earthwork	6/1/2020
Rausch Builders	Kane County	$ 266,060	HMA Paving	7/1/2020
N-Trak	IDOT	$ 820,315	HMA Paving	7/1/2020
Rockford Construction	Meijer	$ 113,914	HMA Paving	5/1/2020
Lamp	McHenry High School	$ 246,735	HMA Paving	6/1/2020
Shodeen Construction	Shodeen Construction	$ 135,843	HMA Paving	6/1/2020
NRB Land Development	NRB Land Development	$ 1,415,369	Agg. Base and HMA Paving	7/1/2020
Williams Brothers	DeKalb Sanitary District	$ 208,456	HMA Paving	10/1/2020
Grainger LLC		$ 102,234	HMA Paving	10/1/2020
Renier Construction Corp.	Dayton Freight	$ 190,290	HMA Paving	7/1/2020
Pheonix Builders	Beyond Self Storage	$ 44,685	Earthwork	10/1/2020
Pilot Travel Stop	Pilot Travel Stop	$ 214,707	Earthwork and HMA Paving	6/1/2020
Pilot Travel Stop	Pilot Travel Stop	$ 478,240	Underground	2/1/2020
Pilot Travel Stop	Pilot Travel Stop	$ 2,494,341	Removals, Earthwork, Agg. Base, HMA Paving and Striping	10/1/2020
Lamp	McHenry High School	$ 295,433	Earthwork	8/1/2020
Carlson Brothers, Inc.	Housing Authority of Joliet	$ 28,918	Earthwork	7/1/2020
Mortenson	CTA	$ 274,863	Earthwork	12/1/2020
Renier Construction Corp.	Dayton Freight	$ 201,845	Earthwork and Agg. Base	7/1/2020
James McHugh	CA Ventures	$ 50,000	Agg. Base	2/1/2020
NRB Land Development	NRB Land Development	$ 824,612	Earthwork and Agg. Base	7/1/2020

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	04-18-0120	06-18-0008	04-19-0073	04-19-0093		
	1	2	3	4	Awards Pending	
	I88/Rt47 Ramps	DeKalb Sanitary District	McHenry West H.S.	Rochelle Airport		
Contract Number	I-16-4274	N/A	N/A	RC009		
Contract With	ISTHA	DeKalb Sanitary Dist	Lamp	IDOT/IDOA		
Estimated Completion Date	5/31/2020	11/23/2019	6/1/2020	8/1/2020		
Total Contract Price	14,058,393	360,000	777,025	1,588,485		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	140,000			1,588,485		1,728,485
Uncompleted Dollar Value if Firm is the Subcontractor		193,500	200,000			393,500
				Total Value of All Work		2,121,985

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 award is 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				100,000		100,000
Portland Cement Concrete Paving						0
HMA Plant Mix		150,000	200,000	601,098		951,098
HMA Paving						0
Clean & Seal Cracks/Joints						0
Aggregate Bases & Surfaces		30,000		100,000		130,000
Hwy ,R.R. & Waterway Structures						0
Drainage						0
Electrical						0
Cover and Seal Coats		8,500				8,500
Concrete Construction						0
Landscaping						0
Fencing						0
Guardrail						0
Painting						0
Signing						0
Cold Milling, Planning & Rotomilling				30,000		30,000
Demolition						0
Pavement Markings (Paint)		5,000				5,000
Field Office	10,000					10,000
Traffic Control						0
Other Construction	10,000					10,000
Totals	20,000	193,500	200,000	831,098	0	1,244,598

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	1	4	4	Awards Pending
Subcontractor	Areatha	Ray Edwards	Artega Landscapes		
Type of Work	Bridge	Underground	Landscaping		
Subcontract Price	1,076,389	596,895	41,398		
Amount Uncompleted			41,398		
Subcontractor	Aldridge Electric	Rock Solid	Cardinal Grooving		
Type of Work	Electric&Building	Stabilization	Pvmt. Grooving		
Subcontract Price	2,908,017	193,891	70,730		
Amount Uncompleted	10,000		70,730		
Subcontractor	Acura	AC Pavmeent	CES		
Type of Work	Concrete	Striping	Surveying		
Subcontract Price	863,314	146,993	5,940		
Amount Uncompleted			5,940		
Subcontractor	Road Fabrics	Mackie	Javelina		
Type of Work	Crack Seal	Survey	Bit. Pvmt. Milling		
Subcontract Price	57,453	84,000	14,971		
Amount Uncompleted			14,971		
Subcontractor	Industrial Fence	TCP	Precision Pvmt. Marking		
Type of Work	Guardrail	Traffic Control	Striping		
Subcontract Price	394,512	491,676	34,819		
Amount Uncompleted		10,000	34,819		
Subcontractor	Cooling Landscape	Clean Cut	Sanco		
Type of Work	Landscape	Tree Removal	Traffic Control		
Subcontract Price	827,753	8,765	2,490		
Amount Uncompleted	100,000		2,490		
Subcontractor	Milling		Sonoma Underground		
Type of Work	Javelina		Electrical		
Subcontract Price	38,079		587,039		
Amount Uncompleted	-		587,039		
Total Uncompleted	Continued>>>>>	120,000	757,387		0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 21 day of January 2020.

CONTINUED NEXT PAGE

Type or Print Name _____ Officer or Director _____ Title

Notary Public

Signed _____

My commission expires: 11/17/2020

Company Curran Contracting Company

(Notary Seal)

Address 286 Memorial Court
Crystal Lake, IL 60014

PAGE 1

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	04-19-0096	06-19-0086	04-18-0118	06-19-0127		
	1	2	3	4	Awards Pending	
	Rte. 47	Byron Streets	Rock Cut St Park	IL Rte. 72 Resurfacing		
Contract Number	62G29	N/A	IDOT 46903	66H03		
Contract With	IDOT	N-Trak	N-Trak	IDOT		
Estimated Completion Date	45 Working Days	6/1/2020	5/1/2020	7/1/2020		
Total Contract Price	1,266,714	110,459	1,262,024	1,578,679		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	999,027			603,429		3,330,941
Uncompleted Dollar Value if Firm is the Subcontractor		55,104	824,012			1,272,616
				Total Value of All Work		4,603,557

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 award is 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						100,000
Portland Cement Concrete Paving						
HMA Plant Mix	643,800	50,104	800,000	350,000		2,795,002
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						130,000
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats			24,012			32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling	75,000			50,000		155,000
Demolition						
Pavement Markings (Paint)						5,000
Field Office	11,100			5,000		26,100
Traffic Control						
Other Construction						10,000
Totals	729,900	50,104	824,012	405,000		3,253,614

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.

	04-19-0096	04-19-0096	06-19-0086	06-19-0127	06-19-0127
	1	1	2	4	4
Subcontractor	Allstate Conc. Cutting	Paul Herrera	Bedrock	Diegan	TCP
Type of Work	Conc. Cutting	Concrete & Earthwork	Milling	Reg. Sub. Mon.	Traffic Control
Subcontract Price	8,219	108,611	10,250	37,400	28,535.00
Amount Uncompleted	8,219	108,611	5,000	5,000	12,000.00
Subcontractor	Brownfield	Quality Saw & Seal		Haeger Engineering	Virgil Cook
Type of Work	Reg. Sub. Mon.	Rumble Strips		Survey Markers	Electrical
Subcontract Price	16,150	10,882		3,600	45,829.00
Amount Uncompleted	16,150	10,882		3,600	45,829.00
Subcontractor	D2K Traffic Safety	Visu-Sewer		Norwest	
Type of Work	Traffic Control	Cleaning		HMA Milling	
Subcontract Price	73,821	7,623		50,620	
Amount Uncompleted	65,000	7,623		25,000	
Subcontractor	Galaxy Environmental			Precision Pvmt. Mrkng	
Type of Work	Frame & Lid Adj.			Striping	
Subcontract Price	29,600			74,441	
Amount Uncompleted	29,600			35,000	
Subcontractor	Javelina			Protack	
Type of Work	HMA Milling			LJS	
Subcontract Price	23,042			24,450	
Amount Uncompleted	23,042			12,000	
Subcontractor	Kujo			RAI Concrete	
Type of Work	Guardrail			Concrete	
Subcontract Price	53,270			242,893	
Amount Uncompleted				40,000	
Subcontractor	McGinty Bros.			Sanoma	
Type of Work	Landscaping			Structure Adj.	
Subcontract Price	3,930.00			70,230	
Amount Uncompleted				20,000	
Total Uncompleted	Continued>>>>>>>	269,127	5,000	Continued>>>>>>>	198,429.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 21 day of January 2020

CONTINUED NEXT PAGE

Type or Print Name

Officer or Director

Title

Notary Public

Signed

My commission expires: 11/17/2020

Company Curran Contracting Company

Address 286 Memorial Court

Crystal Lake IL 60014

{Notary Seal}

PAGE 2

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	06-19-0128	06-19-0141	06-19-0167	08-17-0198		
	1	2	3	4	Awards Pending	
	IL Rte. 72 Widening	IL Rt. 34 Resurfacing	Misc. Pvmt. Improvements	Settlers Hill		
Contract Number	66J12	66D54	N/A	02-018		
Contract With	IDOT	IDOT	DeKalb Park District	County of Kane		
Estimated Completion Date	7/1/2020	7/1/2020	7/1/2020	5/1/2020		
Total Contract Price	443,316	2,407,407	353,819	2,982,808		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	443,316	1,641,160	238,483	110,000		5,763,900
Uncompleted Dollar Value if Firm is the Subcontractor						1,272,616
				Total Value of All Work		7,036,516

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 award is 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	74,100	6,000				180,100
Portland Cement Concrete Paving						
HMA Plant Mix	282,432	828,000	120,000			4,025,434
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces		100,000				230,000
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milng, Planning & Rotomilng		200,000				355,000
Demolition		15,160				15,160
Pavement Markings (Paint)						5,000
Field Office						26,100
Traffic Control						
Other Construction	7,358	200,000		10,000		227,358
Totals	363,890	1,349,160	120,000	10,000		5,096,664

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.

	06-19-0128	06-19-0141	06-19-0167	08-17-0198	
	1	2	3	4	Awards Pending
Subcontractor	Javelina	D2K	DeMarr	CR Schmidt	
Type of Work	HMA Milling	TCP & Striping	Striping	Brick Pavers	
Subcontract Price	40,600	137,108	69,358	25,650	
Amount Uncompleted	40,600	100,000	69,358		
Subcontractor	Sanco	Javelina	Dreamscapes by Dennis	Chadwick	
Type of Work	Traffic Control	HMA Milling	Landscaping	Concrete	
Subcontract Price	8,058	62,678	3,425	77,854	
Amount Uncompleted	8,058	42,000	3,425		
Subcontractor	Brownfield	Phoenix	Elliot & Wood	Thorne	
Type of Work	Environmental	Agg. Shoulders	Rem., Agg., Underground &	Electrical	
Subcontract Price	12,050	172,179	99,327	17,897	
Amount Uncompleted	12,050	110,000	40,000		
Subcontractor	Quality Saw & Seal	ProTack	TCP	Landfill Drilling	
Type of Work	Rumble Strips	LJS	Traffic Control & Signs	Gas Well	
Subcontract Price	11,121	62,429	7,700	196,198	
Amount Uncompleted	11,121	40,000	5,700		
Subcontractor	Countryman			Cooling	
Type of Work	Striping			Landscape	
Subcontract Price	7,597			301,449	
Amount Uncompleted	7,597			100,000	
Subcontractor				Archon	
Type of Work				Underground	
Subcontract Price				111,501	
Amount Uncompleted					
Subcontractor				Demarr	
Type of Work				Striping	
Subcontract Price				2,780	
Amount Uncompleted					
Total Uncompleted	79,426	292,000	118,483	100,000	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 21 day of January 2020.

CONTINUED NEXT PAGE

Type or Print Name (Officer or Director) Title

Notary Public

Signed

My commission expires: 11/17/2020

Company Curran Contracting Company

(Notary Seal)

Address 286 Memorial Court

Crystal Lake, IL 60014

PAGE 3

Illinois Department of Transportation
Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 bending low bids not yet awarded or rejected. In a joint venture, list only that portion of 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.

	09-19-0011	04-19-0102	04-19-0135			
	1	2	3	4	Awards Pending	
	Randall Rd. & Rte. 20	Blue Ribbon Millwork Parking Lot	Thatcher Meadows Paving			
Contract Number	61F57	N/A	N/A			
Contract With	IDOT	Blue Ribbon Millwork	NRB Land			
Estimated Completion Date	7/1/2020	6/1/2020	7/1/2020			
Total Contract Price	6,244,244	43,410	1,294,129			Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	1,054,174	43,410	883,951			7,745,435
Uncompleted Dollar Value if Firm is the Subcontractor						1,272,616
				Total Value of All Work		9,018,051

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 award is 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	20,000					200,100
Portland Cement Concrete Paving						
HMA Plant Mix	350,000	27,800	718,000			5,121,234
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces		5,300				235,300
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milng, Planning & Rotomilng		9,400				364,400
Demolition			13,800			28,960
Pavement Markings (Paint)						5,000
Field Office						26,100
Traffic Control						
Other Construction	20,000	910	61,000			309,268
Totals	390,000	43,410	792,800			6,322,874

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.

	09-19-0011	09-19-0011	09-19-0011	04-19-0135	
	1	1	1	3	Awards Pending
Subcontractor	ABI	Dunnet Bay	Quality Saw & Seal	Alliance	
Type of Work	Concrete Flat Work	MSE Wall	Rumble Strip	Concrete	
Subcontract Price	360,294	892,376	3,094	198,430	
Amount Uncompleted			3,094	70,000	
Subcontractor	Abitua	HR Stewart	Road Fabrics	NES	
Type of Work	Underground	Pipe Cleaning	Strip Ref. Crack Control	Surveying	
Subcontract Price	737,014	7,444	5,966	19,350	
Amount Uncompleted			5,966	6,000	
Subcontractor	Alliance	Integrity	TCP	Cooling	
Type of Work	Concrete Barrier Wall	Environmental	Traffic Control	Landscaping	
Subcontract Price	259,360	65,700	261,193	13,400	
Amount Uncompleted			30,000	13,400	
Subcontractor	CES	Javelina	Virgil Cook	Elite	
Type of Work	Surveying	HMA Milling	Electrical	Striping	
Subcontract Price	18,400	17,712	587,568	1,751	
Amount Uncompleted		5,000	500,000	1,751	
Subcontractor	Clean Cut	Northern			
Type of Work	Tree Clearing	Guardrail			
Subcontract Price	10,896	60,571			
Amount Uncompleted					
Subcontractor	D2K	Pipe Rehab. Solutions			
Type of Work	Striping	Pipe Liner			
Subcontract Price	32,749	38,360			
Amount Uncompleted	32,749				
Subcontractor	Del Toro	ProTack			
Type of Work	Landscaping	LJS			
Subcontract Price	126,017	27,365			
Amount Uncompleted	60,000	27,365			
Total Uncompleted	Continued>>>>>>>>	Continued>>>>>>>>	664,174	91,151	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this _21 day of _January _2020_.

CONTINUED NEXT PAGE

Type or Print Name Officer or Director Title

Notary Public

Signed

My commission expires: 11/17/2020

Company Curran Contracting Company

(Notary Seal)

Address 286 Memorial Court
Crystal Lake, IL 60014

PAGE 4

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	06-19-0011	04-18-0122	07-18-0052			
	1	2	3	4	Awards Pending	
	Townsend Woods Phase V	Liberty Lakes Subdivision	RT 47 Roundabout			
Contract Number	N/A	N/A	62F16			
Contract With	Grainger LLC	Gerstad Builders	IDOT			
Estimated Completion Date	6/1/2020	7/1/2020	10/31/2019			
Total Contract Price	214,096	226,964	3,377,730			Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	214,096	45,000	137,500			8,142,031
Uncompleted Dollar Value if Firm is the Subcontractor						1,272,616
				Total Value of All Work		9,414,647

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 award is 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						200,100
Portland Cement Concrete Paving						
HMA Plant Mix	214,096	45,000				5,380,330
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						235,300
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						364,400
Demolition						28,960
Pavement Markings (Paint)						5,000
Field Office			7,500			33,600
Traffic Control						
Other Construction			10,000			319,268
Totals	214,096	45,000	17,500			6,599,470

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.

		04-18-0122	07-18-0052	07-18-0052	
	1	2	3	3	Awards Pending
Subcontractor		Bergquist & Zimmerman	Alliance	Clean Cut	
Type of Work		Concrete	Concrete	Tree Rem	
Subcontract Price		31,934	275,670	8,180	
Amount Uncompleted					
Subcontractor			Elmund & Nelson		
Type of Work			Electric		
Subcontract Price			141,930		
Amount Uncompleted					
Subcontractor			Espinoza		
Type of Work			Landscaping		
Subcontract Price			133,885		
Amount Uncompleted			120,000		
Subcontractor			Abitua		
Type of Work			Underground		
Subcontract Price			263,520		
Amount Uncompleted					
Subcontractor			Maintenance Ctgs		
Type of Work			Striping		
Subcontract Price			25,522		
Amount Uncompleted					
Subcontractor			Mackie		
Type of Work			Survey		
Subcontract Price			16,900		
Amount Uncompleted					
Subcontractor			Deigan & Assoc		
Type of Work			Soil Testing		
Subcontract Price			22,500		
Amount Uncompleted					
Total Uncompleted			Continued>>>>>>>>>	120,000	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this 21 day of January 2020 .

CONTINUED NEXT PAGE

Type or Print Name Title

Notary Public

Signed Officer or Director

My commission expires: 11/17/2020

Company Curran Contracting Company

(Notary Seal)

Address 286 Memorial Court

Crystal Lake, IL 60014

PAGE 5

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	06-19-0072	06-19-0076	06-19-0183	07-19-0033		
	1	2	3	4	Awards Pending	
	Dayton Freight	Salvation Army Parking Lot	Countrywide Estates MHP	Rochelle Pilot		
Contract Number	N/A	N/A	N/A	N/A		
Contract With	Renier Construction	RC Wegman	Countrywide Estates MHP	Pilot Travel Centers		
Estimated Completion Date	7/1/2020	7/1/2020	7/1/2020	5/1/2020		
Total Contract Price	190,290	105,000	190,170	1,964,681		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor			190,170	247,900		8,580,101
Uncompleted Dollar Value if Firm is the Subcontractor	190,290	105,000				1,567,906
				Total Value of All Work		10,148,007

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 award is 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				30,000		230,100
Portland Cement Concrete Paving						
HMA Plant Mix	142,919	63,497	180,296	60,000		5,827,042
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces				30,000		265,300
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						364,400
Demolition						28,960
Pavement Markings (Paint)						5,000
Field Office						33,600
Traffic Control						
Other Construction			2,200			321,468
				120,000		
Totals	142,919	63,497	182,496	240,000		7,108,382

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.

	06-19-0072	06-19-0076	06-19-0183	07-19-0033	
	1	2	3	4	Awards Pending
Subcontractor	DeMarr	Elite Marking	Javelina	Bedrock	
Type of Work	Striping & Signs	Striping & Signs	HMA Milling	Soil Stabilization	
Subcontract Price	47,371	1,812	7,674	127,889	
Amount Uncompleted	47,371	1,812	7,674		
Subcontractor		Paul Herrera		DeMarr	
Type of Work		Concrete		Signs & Striping	
Subcontract Price		39,691		7,900	
Amount Uncompleted		39,691		7,900	
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					
Total Uncompleted	47,371	41,503	7,674	7,900	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this _21 day of _January _2020_.

Type or Print Name Title

CONTINUED NEXT PAGE

Notary Public

Signed Officer or Director

My commission expires: 11/17/2020

Company Curran Contracting Company

(Notary Seal)

Address 286 Memorial Court

Crystal Lake, IL 60014

PAGE 6

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	04-18-0121	07-19-0047	04-19-0087	05-19-0003		
	1	2	3	4	Awards Pending	
	I-90 & IL 23 Interchange	Rochelle Pilot Off-Site	Stone Ridge Lake Geneva	Stonehedge Drainage		
Contract Number	I-18-4392	N/A	N/A	N/A		
Contract With	ISTHA	Pilot Travel Centers	Shodeen Construction	N-Trak		
Estimated Completion Date	10/31/2019	10/1/2020	6/1/2020	7/1/2020		
Total Contract Price	20,122,222	2,459,840	323,436	183,331		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	1,635,000	2,412,579				12,627,680
Uncompleted Dollar Value if Firm is the Subcontractor			140,000.00	137,000		1,844,906
				Total Value of All Work		14,472,586

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 award is 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	100,000	329,700				659,800
Portland Cement Concrete Paving						
HMA Plant Mix	250,000	200,000	140,000	137,000		6,554,042
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces	100,000	273,000				638,300
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						364,400
Demolition	50,000	124,000				202,960
Pavement Markings (Paint)						5,000
Field Office	15,000					48,600
Traffic Control						
Other Construction	50,000	203,778				575,246
Totals	565,000	1,130,478	140,000	137,000		9,080,860

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.

	04-18-0121	04-18-0121	07-19-0047		
	1	1	2	4	Awards Pending
Subcontractor	Alliance	Allstate	Alliance		
Type of Work	Structural Concrete	Sawing	Concrete		
Subcontract Price	296,354	11,760	942,053		
Amount Uncompleted			942,053		
Subcontractor	Sjostrom	Viridian	CES		
Type of Work	Concrete Flatwork	Underground	Surveying		
Subcontract Price	4,087,732	1,569,963	10,100		
Amount Uncompleted	500,000	250,000	10,100		
Subcontractor	Aldridge	Rock Solid	Cooling		
Type of Work	Electrical	Stabilization	Landscaping		
Subcontract Price	3,766,260	120,519	56,006		
Amount Uncompleted	100,000		56,006		
Subcontractor	Industrial Fence	D2K	D2K		
Type of Work	Fencing & Guardrail	Striping	Traffic Control		
Subcontract Price	455,776	75,210	63,739		
Amount Uncompleted		5,000	60,000		
Subcontractor	Brownfield	TCP	Elliot & Wood		
Type of Work	Environmental	Traffic Control	Underground		
Subcontract Price	15,450	554,400	190,522		
Amount Uncompleted		50,000	180,000		
Subcontractor	Del Toro	CES inc.	Marking Specialists		
Type of Work	Landscaping	Surveying	Striping		
Subcontract Price	852,559	91,250	33,942		
Amount Uncompleted	150,000	10,000	33,942		
Subcontractor	Javalina	Homer Tree Service			
Type of Work	Milling	Tree Removal			
Subcontract Price	28,828	12,171			
Amount Uncompleted	5,000	0			
Total Uncompleted	Continued>>>>>>>>	1,070,000	1,282,101		0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this _21__ day of _January_, _2020_.

Type or Print Name _____ Title Officer or Director

CONTINUED NEXT PAGE

Notary Public

Signed _____

My commission expires: 11/17/2020

Company Curran Contracting Company

Address 286 Memorial Court

Crystal Lake, IL 60014

{Notary Seal}

PAGE 7

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen
Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(Letting date)

this form by either typing or using black ink. "Authorization to Bid" will
th sides of this form are completed in detail. Use additional forms as

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 bending low bids not yet awarded or rejected. In a joint venture, list only that portion of 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.

	08-19-0058	02-19-0014	07-19-0037	09-19-0028		
	1	2	3	4	Awards Pending	
	McHenry West HS Phase II	Liberty 701 Bilter Rd.	Pilot Utility Extentions	CTA EV Bus Charging Station		
Contract Number	N/A	N/A	N/A	N/A		
Contract With	McHenry Community HS District 156	FCL Builders	Pilot Travel Centers	Mortenson		
Estimated Completion Date	8/1/2020	8/1/2020	3/1/2020	12/1/2020		
Total Contract Price	377,500	457,970	2,391,203	374,706		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor			900,000			13,527,680
Uncompleted Dollar Value if Firm is the Subcontractor	180,000	221,000		167,500		2,413,406
				Total Value of All Work		15,941,086

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 award is 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	150,000	15,000		90,000		485,100
Portland Cement Concrete Paving						
HMA Plant Mix						5,827,042
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces		197,000		50,000		512,300
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning & Rotomilling						364,400
Demolition				20,000		48,960
Pavement Markings (Paint)						5,000
Field Office						33,600
Traffic Control						
Other Construction	30,000	9,000	100,000			460,468
Totals	180,000	221,000	100,000	160,000		7,769,382

Disclosure of this information is REQUIRED to accomplish the atatutory 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.

			07-19-0037	09-19-0028	
	1	2	3	4	Awards Pending
Subcontractor			N-Trak	Brownfield	
Type of Work			Underground	Environmental	
Subcontract Price			1,612,182	15,000	
Amount Uncompleted			800,000	7,500	
Subcontractor			Griffin	Clean Cut	
Type of Work			Dewatering	Tree Removal	
Subcontract Price			133,900	6,000	
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					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted			800,000	7,500	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this _21_ day of _January_, _2020_.

Type or Print Name _____ Title _____

CONTINUED NEXT PAGE

Notary Public _____ Signed _____ (Officer or Director)

My commission expires: 11/17/2020

(Notary Seal)

Company Curran Contracting Company

Address 286 Memorial Court

Crystal Lake, IL 60014

PAGE 8

Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 1/17/2020
(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 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.

	09-19-0034	09-19-0072	08-19-0003			
	1	2	3	4	Awards Pending	
	Dayton Freight	Thatcher Meadows	Randall Rd. & Stearns Rd.			
Contract Number	N/A	N/A	61F28			
Contract With	Renier Construction	NBR Land	IDOT			
Estimated Completion Date	7/1/2020	7/1/2020	5/1/2020			
Total Contract Price	2,228,342	2,244,191	4,183,052			Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		805,000	210,000			13,642,680
Uncompleted Dollar Value if Firm is the Subcontractor	200,000					2,044,906
				Total Value of All Work		15,687,586

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 award is 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	20,000	250,000				500,100
Portland Cement Concrete Paving						
HMA Plant Mix						5,827,042
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces	180,000	500,000				945,300
Hwy,R.R. & Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						32,512
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milng, Planning & Rotomilng						364,400
Demolition						28,960
Pavement Markings (Paint)						5,000
Field Office						33,600
Traffic Control						
Other Construction						321,468
Totals	200,000	750,000				8,058,382

Disclosure of this information is REQUIRED to accomplish the atatutory 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.

	09-19-0034	09-19-0072	08-19-0003		
	1	2	3	4	Awards Pending
Subcontractor	Arc Design	Cooling	Cooling	Montemayor	
Type of Work	Layout	Landscaping	Landscaping	Underground	
Subcontract Price	11,000	122,292	70,043	592,205	
Amount Uncompleted		55,000	5,000		
Subcontractor	N-Trak		H&H Electric	Northern	
Type of Work	Underground		Electrical	Guardrail	
Subcontract Price	865,417		967,338	40,796	
Amount Uncompleted			200,000		
Subcontractor			Alliance	Precision Pvmt. Marking	
Type of Work			Concrete	Striping	
Subcontract Price			431,002	24,633	
Amount Uncompleted			5,000		
Subcontractor			TCP	Road Fabrics	
Type of Work			Traffic Control	Strip Crack Control	
Subcontract Price				8,944	
Amount Uncompleted					
Subcontractor			Homer Tree Service	TCP	
Type of Work			Tree Removal	Traffic Control	
Subcontract Price			7,450	35,000	
Amount Uncompleted					
Subcontractor			Javelina		
Type of Work			HMA Milling		
Subcontract Price			41,405		
Amount Uncompleted					
Subcontractor			Mackie		
Type of Work			Surveying		
Subcontract Price			23,000		
Amount Uncompleted					
Total Uncompleted		55,000	Continued >>>>>>>>	210,000	0.00

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates

Subscribed and sworn to before me

this _21_ day of _January_, 2020.

Notary Public

My commission expires: 11/17/2020

(Notary Seal)

OFFICIAL SEAL
JEANNINE L GARRIEP
NOTARY PUBLIC - STATE OF ILLINOIS
My Commission Expires Nov. 17, 2020

Type or Print Name Mike Leopardo
Officer or Director

Vice President
Title

Signed

Company Curran Contracting Company

Address 286 Memorial Court
Crystal Lake, IL 60014

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.

e 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 **32%** 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 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 Not rejecting DBEs 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 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 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 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, 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; liquidated 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 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 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 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 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: 1/10/2020

To: Contact Name: Nick Schram
Contractor Company Name: Curran Contracting Company

From Graciela Perez
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:** 1/10/2020 **Revision #** 1

Contract # I-18-4704 **Established DBE Goal:** 32.00 %

Contract Description: Western Access Tollway (I-490) Advance Earthwork, Drainage and Retaining Wall Construction, Devon Ave to South of Touhy Ave, MP 4.3 to MP 5.6

[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 **$42,608,248.00**

D/M/WBE Firm Name	Status (SB/Sup/TK)	Type	Scope	Contract Amount	Credit Amount	Credit %	Certifying Agency	Gender	Ethnicity
ABI Construction LLC	SB	DBE	PCC Concrete	$176,269.00	$176,269.00	0.41 %	IDOT	M	African American
Alpine Demolition Services, LLC	SB	D/WBE	Demolition	$402,200.00	$402,200.00	0.94 %	City of Chicago	F	Caucasian
Archon Construction Co Inc	SB	WBE	Layout CCDD	$5,684,173.00	$5,684,173.00	13.34 %	City of Chicago	F	Caucasian
Atlantic Painting Co.	SB	D/WBE	Painting	$212,310.00	$212,310.00	0.49 %	City of Chicago	F	Caucasian
Aurora Brick Cleaners Inc.	SB	DBE	Masonry	$1,943,300.00	$1,943,300.00	4.56 %	IDOT	M	Hispanic
Chicagoland Truckin Incorporated	Trucker	D/MBE	Trucking	$155,000.00	$155,000.00	0.36 %	City of Chicago	M	Hispanic
II in One Contractors, Inc.	SB	D/MBE	Erect Reinforcing	$928,000.00	$928,000.00	2.17 %	City of Chicago	M	African American
Maintenance Coatings Co.	SB	D/WBE	Pavement Marking	$63,508.00	$63,508.00	0.14 %	IDOT	F	Caucasian
Material Solutions Laboratory	SB	DBE	QC Testing	$900,000.00	$900,000.00	2.11 %	IDOT	M	Asian Indian
MTC Moreno's, Inc.	Trucker	DBE	Trucking	$631,000.00	$631,000.00	1.48 %	IDOT	M	Hispanic
Ortiz Contracting Group DBA Deyako Corporation	SB	MBE	Mechanicla	$219,000.00	$219,000.00	0.51 %	City of Chicago	M	Hispanic
RuizScape Construction, Inc.	SB	DBE	Landscape	$1,213,951.60	$1,213,951.60	2.84 %	IDOT	M	Hispanic
Tamayo Cartage, Inc.	Trucker	DBE	Trucking	$155,000.00	$155,000.00	0.36 %	IDOT	M	Hispanic
Torres Electrical Contractor's, LLC	SB	DBE	Electric	$957,046.00	$957,046.00	2.24 %	IDOT	M	Hispanic
Total # of subcontracts: 14			**TOTAL**	**$13,640,757.60**	**$13,640,757.60**	**32.01 %**			
Total # of subcontractors: 14			**Total %**	**32.01 %**	**32.01 %**				

ILLINOIS STATE TOLL HIGHWAY AUTHORITY
DBE FORM 2026 - UTILIZATION PLAN

PRIME CONTRACTOR: Curran Contracting Company
CONTACT NAME: Nick Schram
CONTACT PHONE NUMBER: 815-455-5100
CONTACT E-MAIL: nschram@currancontracting.com

CONTRACT NUMBER I-18-4704

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.
see attached		
	TOTAL	13,640,758.35

For ebid: the submission of Form 2026 constitutes signature of this form.
For hardcopy: signature required.
Form 2026 - 03/2018

[redacted]
Signature

DBE Firm Name	Scope of Work	DBE - Amount ($) If Supplier, enter 60% credit amount	
Il in One Contractors	Erect Reinforcing Steel	$	928,000.00
ABI Construction LLC	PCC Concrete	$	176,269.00
Alpine Demo	Demolition	$	402,200.00
Archon Construction Co. Inc.	Layout CCDD Testing	$	5,684,173.00
Atlantic Painting	Painting	$	212,310.00
Maintenance Coatings Co.	Pavement Marking/ Signing	$	63,508.75
Material Solutions Laboratory	QC Testing	$	900,000.00
Ruizscape Construction Inc.	Landscape	$	1,213,951.60
Torres Electrical Contractors LLC.	Electric	$	957,046.00
MTC Moreno	Trucking	$	631,000.00
Aurora Brick	Masonry	$	1,943,300.00
Ortiz Contracting	Mechanical	$	219,000.00
Tayamo Inc	Trucking	$	155,000.00
Chicagoland Trucking	Trucking	$	155,000.00
		$	13,640,758.35

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	Aurora Brick Cleaners 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: RC Wegman

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 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)
	Furnish and install masonry	1	1,943,300	1,943,300		1,943,300
	TOTALS FOR THIS DBE FIRM:					1,943,300

*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] Vice President

Signature for Prime Contractor — Title

Contact: Nick Schram
Firm: Curran Contracting Company
Email: estimating@currancontracting.com
Phone: 815-455-5100
Address: 286 Memorial Court, Crystal Lake, IL 60014

[redacted] President 1-10-20

Signature for DBE Contractor — Title — Date

Contact: Robert Flores
Firm: Aurora Brick Cleaners
Email: abcinc2005@gmail.com
Phone: 6304602578
Address: 12842 Mitchel Drive Plano IL

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

Aurora Brick Cleaners, Inc.
Robert Flores
12342 Mitchel Dr
Plano, IL 60545-0000

Email: abcinc2005@gmail.com
Phone: 630-460-2578
Fax: 630-460-2578

County: Kendall

Categories: Construction

NAICS	Speciality
238140 - Masonry Contractors	Masonry Contractors

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

[redacted] Archon Construction

DBE MBE WBE SBA 8(A)

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 ($)	CHECK IF SUPPLIER	TOTAL DBE CREDIT AMOUNT ($): (Prime to list all of contract payment if firm is a supplier)
	See attached					
	TOTALS FOR THIS DBE FIRM:					$5,684,173.00

*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] Estimator 1/9/20

Signature for Prime Contractor — Title — Date

Contact: Nick Schram
Firm Name: Curran Contracting Co.
E-mail: estimating@curranContracting.com
Phone: 815-455-5100
Address: 286 Memorial Ct. Crystal Lake

[redacted] General Mgr 1-9-2020

Signature for DBE Contractor — Title — Date

Contact: Domin.c Fordussa
Firm Name: Archon Const. Co Inc.
E-mail: Domin.c@Archononline.com
Phone: 630 495-0015
Address: 563 S. Rout 59 Addison, Ill. 60101

Archon Construction Co., Inc.
563 S. Route 53
Addison, IL 60101

ISTHA I-18-4704
Western Access Tollway (I-490)
Advance Earthwork & Retaining Wall Construction
09-Jan-20

No.	MISC Item	QTY	UNIT	UNIT PRICE	TOTAL PRICE	MATERIALS
20500150	Trecnh Backfill	7,089.00	CY	$ 39.80	$ 282,142.20	
50104400	Concrete Headwall Removal	5.00	EA	$ 1,102.00	$ 5,510.00	
50105220	Pipe Culvert Removal	180.00	LF	$ 13.75	$ 2,475.00	
54213729	Precast RC Flared End Section, 84"	1.00	EA	$ 9,980.00	$ 9,980.00	
5421D024	Pipe Culverts, Class D, Ty 1 24" (Temporary)	85.00	LF	$ 140.30	$ 11,925.50	
54261718	Steel Flared End Sections 18"	1.00	EA	$ 1,212.00	$ 1,212.00	
542A1081	Pipe Culverts, Class A, Ty 2 36"	249.00	LF	$ 105.45	$ 26,257.05	
542A1921	Pipe Culverts, Class A, Ty 3 36"	296.00	LF	$ 105.45	$ 31,213.20	
550A0050	Storm Sewers, Class A, Type 1 12"	363.00	LF	$ 55.20	$ 20,037.60	
550A0070	Storm Sewers, Class A, Type 1 15"	301.00	LF	$ 52.40	$ 15,772.40	
550A0090	Storm Sewers, Class A, Type 1 18"	114.00	LF	$ 42.30	$ 4,822.20	
550A0140	Storm Sewers, Class A, Type 1 30"	67.00	LF	$ 101.60	$ 6,807.20	
550A0190	Storm Sewers, Class A, Type 1 48"	116.00	LF	$ 124.20	$ 14,407.20	
550A0210	Storm Sewers, Class A, Type 1 60"	308.00	LF	$ 197.10	$ 60,706.80	
550A0340	Storm Sewers, Class A, Type 2 12"	19.00	LF	$ 60.05	$ 1,140.95	
550A0360	Storm Sewers, Class A, Type 2 15"	1,670.00	LF	$ 44.80	$ 74,816.00	
550A0380	Storm Sewers, Class A, Type 2 18"	2,301.00	LF	$ 49.55	$ 114,014.55	
550A0410	Storm Sewers, Class A, Type 2 24"	1,057.00	LF	$ 54.40	$ 57,500.80	
550A0430	Storm Sewers, Class A, Type 2 30"	249.00	LF	$ 69.60	$ 17,330.40	
550A0450	Storm Sewers, Class A, Type 2 36"	1,139.00	LF	$ 91.75	$ 104,503.25	
550A0470	Storm Sewers, Class A, Type 2 42"	74.00	LF	$ 115.75	$ 8,565.50	
550A0480	Storm Sewers, Class A, Type 2 48"	993.00	LF	$ 126.50	$ 125,614.50	
550A0540	Storm Sewers, Class A, Type 2 84"	639.00	LF	$ 514.80	$ 328,957.20	
550A0730	Storm Sewers, Class A, Type 3 30"	10.00	LF	$ 361.95	$ 3,619.50	
550A0750	Storm Sewers, Class A, Type 3 36"	175.00	LF	$ 83.15	$ 14,551.25	
550A1050	Storm Sewers, Class A, Type 4 36"	57.00	LF	$ 264.80	$ 15,093.60	
550A1580	Storm Sewers, Class A, Type 6 24"	101.00	LF	$ 246.90	$ 24,936.90	
550A1640	Storm Sewers, Class A, Type 6 42"	178.00	LF	$ 565.55	$ 100,667.90	
550B0450	Storm Sewers, Class B, Type 2 36"	180.00	LF	$ 146.90	$ 26,442.00	
55100500	Storm Sewers Removal, 12"	40.00	LF	$ 6.85	$ 274.00	
55100700	Storm Sewers Removal, 15"	266.00	LF	$ 13.10	$ 3,484.60	
55100900	Storm Sewers Removal, 18"	667.00	LF	$ 1.00	$ 667.00	
55101200	Storm Sewers Removal, 24"	228.00	LF	$ 18.10	$ 4,126.80	
55202184	Storm Sewers Jacked In Place, 84"	623.00	LF	$ 3,086.75	$ 1,923,045.25	
56100500	Water Main 4"	74.00	LF	$ 319.75	$ 23,661.50	
56103100	Ductile Iromn Water Main 8"	212.00	LF	$ 110.10	$ 23,341.20	
56103300	Ductile Iromn Water Main 12"	1,659.00	LF	$ 92.90	$ 154,121.10	
56400500	Fire Hydrants To Be Removed	4.00	EA	$ 1,392.00	$ 5,568.00	
56400820	Fire Hydrants W/Aux. Valve & Valve Box	3.00	EA	$ 5,589.00	$ 16,767.00	
60108206	Pipe Underdrains, Type 2, 6"	208.00	LF	$ 39.65	$ 8,247.20	
60108208	Pipe Underdrains, Type 2, 8"	340.00	LF	$ 54.30	$ 18,462.00	
60200105	CB, Ty A, 4' Dia., Type 1 Frame, Open Lid	14.00	EA	$ 3,220.00	$ 45,080.00	
60203805	CB, Ty A, 5' Dia., Type 1 Frame, Open Lid	1.00	EA	$ 4,718.00	$ 4,718.00	
60206905	Catch Basin, Type C, Type 1 Frame, Open Lid	1.00	EA	$ 2,113.00	$ 2,113.00	
60218400	Manhole, Ty A, 4' Dia., Ty 1 Frame Closed Lid	3.00	EA	$ 6,556.00	$ 19,668.00	
60221000	Manhole, Ty A, 5' Dia., Ty 1 Frame Open Lid	1.00	EA	$ 7,333.00	$ 7,333.00	
60221100	Manhole, Ty A, 5' Dia., Ty 1 Frame Closed Lid	4.00	EA	$ 7,358.00	$ 29,432.00	
60223700	Manhole, Ty A, 6' Dia., Ty 1 Frame Open Lid	1.00	EA	$ 6,573.00	$ 6,573.00	

60223800	Manhole, Ty A, 6' Dia., Ty 1 Frame Closed Lid	9.00	EA	$	6,730.00	$	60,570.00
60224446	Manhole, Ty A, 7' Dia., Ty 1 Frame Closed Lid	3.00	EA	$	12,175.00	$	36,525.00
60224457	Manhole, Ty A, 8' Dia., Ty 1 Frame Open Lid	2.00	EA	$	14,586.00	$	29,172.00
60224459	Manhole, Ty A, 8' Dia., Ty 1 Frame Closed Lid	3.00	EA	$	16,235.00	$	48,705.00
60224469	Manhole, Ty A, 9' Dia., Ty 1 Frame Closed Lid	1.00	EA	$	25,029.00	$	25,029.00
60234200	Inlets, Ty A, Type 1 Frame, Open Lid	1.00	EA	$	1,636.00	$	1,636.00
60255500	Manholes To Be Adjusted	1.00	EA	$	1,488.00	$	1,488.00
60500040	Removing Manholes	3.00	EA	$	551.00	$	1,653.00
60500050	Removing Catch Basins	2.00	EA	$	551.00	$	1,102.00
60500060	Removing Inlets	1.00	EA	$	275.00	$	275.00
X0322208	Temporary Storm Sewer Plugs	5.00	EA	$	1,132.00	$	5,660.00
X0323389	Storm Sewer Conncetion	1.00	EA	$	2,307.00	$	2,307.00
X0325950	Gate Valve 8" With Vault, 5' Diameter	2.00	EA	$	5,122.00	$	10,244.00
X0326694	Plug Existing Storm Sewers	6.00	CY	$	2,768.00	$	16,608.00
X0487700	Sanitary Sewer Removal 10"	1,044.00	LF	$	9.15	$	9,552.60
X0840000	Sanitary Sewer Removal 8"	233.00	LF	$	8.25	$	1,922.25
X1200130	Gate Valve 12" With Vault, 5' Diameter	3.00	EA	$	7,594.00	$	22,782.00
X5610004	Ductile Iron Water Main Fittings	1,282.00	POUND	$	6.80	$	8,717.60
X5610708	Water Main Removal, 8"	267.00	LF	$	11.40	$	3,043.80
X5610712	Water Main Removal, 12"	1,299.00	LF	$	11.20	$	14,548.80
X5610716	Water Main Removal, 16"	412.00	LF	$	9.90	$	4,078.80
X6020096	MH, Ty A, 6'-Dia., W/2 Ty 1 Frame, Closed Lid, RP	2.00	EA	$	17,438.00	$	34,876.00
X6026622	Valve Vaults To Be Removed	3.00	EA	$	1,378.00	$	4,134.00
Z0056602	Storm Sewer (WM Req) 4 Inch	135.00	LF	$	75.85	$	10,239.75
Z0056700	Sanitary Sewer 4"	41.00	LF	$	44.20	$	1,812.20
Z0056800	Sanitary Sewer 6"	75.00	LF	$	152.55	$	11,441.25
Z0067900	Steel Casing, 24"	328.00	LF	$	169.80	$	55,694.40
JA000285	Steel Casing Pipe, Bore and Jack, 48"	180.00	LF	$	1,564.15	$	281,547.00 xxxxxxx
JA000479	Abandon Ext. Water Main in Place, 12"	591.00	LF	$	29.85	$	17,641.35
JA000620	MH, Ty A, 7'-Dia., Ty 1 Frame, Closed Lid, Special	1.00	Ea	$	10,638.00	$	10,638.00
J1561015	Ductile Iron Water Main 12" in Steel Casing, 24"	111.00	LF	$	148.70	$	16,505.70
J1601305	Pipe Underdrains, 8" (Special)	71.00	LF	$	138.50	$	9,833.50
J1601307	Pipe Underdrains, Directionally Bored, 8"	338.00	LF	$	65.50	$	22,139.00
J1601325	Pipe Underdrains, Fabric Lined Trench 8"	1,766.00	LF	$	39.35	$	69,492.10
J1602120	CB, Type G-3, Ty G-3 Frame & Grate	9.00	EA	$	7,132.00	$	64,188.00
J1602128	CB, Type G-3 (Modified), Ty 20A Frame & Grate	21.00	EA	$	11,008.00	$	231,168.00
J1602130	CB, Type G-4, Ty G-3 Frame & Grate	7.00	EA	$	19,036.00	$	133,252.00
J1602184	CB, Type A, 4' Dia, Ty 20A Frame & Grate	11.00	EA	$	3,843.00	$	42,273.00
J1602190	CB, Type G-3 (Modified), Ty G-3 Frame & Grate	2.00	EA	$	10,661.00	$	21,322.00
J1602200	Catch Basin, Type A, 4' Diameter, Special	11.00	EA	$	2,784.00	$	30,624.00
J1602700	DS, Type 4 W/One Type 20A Frame & Grate	2.00	EA	$	6,477.00	$	12,954.00
J1602740	DS, Type 4 W/Two Type 20A Frame & Grate	1.00	EA	$	7,197.00	$	7,197.00
J1602801	Catch Basin, Type G-4, Type 20A Frame & Grate	5.00	EA	$	12,924.00	$	64,620.00
J1680004	Headwall Type I, 24"	1.00	EA	$	3,011.00	$	3,011.00
J1680011	Headwall Type II, 48"	1.00	EA	$	6,061.00	$	6,061.00
J1680070	Headwall Type III, 36", 1:3	11.00	EA	$	3,981.00	$	43,791.00
J1680071	Headwall Type III, 42", 1:3	1.00	EA	$	8,092.00	$	8,092.00
J1680072	Headwall Type III, 48", 1:3	4.00	EA	$	6,926.00	$	27,704.00
J1680120	Sloped Headwall Type III, 6", 1:3	1.00	EA	$	2,691.00	$	2,691.00
J1680123	Sloped Headwall Type III, 18", 1:3	1.00	EA	$	1,699.00	$	1,699.00
J1680125	Sloped Headwall Type III, 24", 1:3	1.00	EA	$	3,883.00	$	3,883.00
J1680127	Sloped Headwall Type III, 30", 1:3	2.00	EA	$	2,412.00	$	4,824.00
JS120610	Headwall Grates	736.00	POUND	$	7.35	$	5,409.60
JS280110	Temporary Pipe Slope Drains	395.00	LF	$	60.45	$	23,877.75
	Detention System	18,347.00	SF	$	15.60	$	286,213.20
					Total Bid Items	$	**5,684,173.95**

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**Archon Construction Co., Inc.**
OWNER	**Ms. Leta Loizzo**
ADDRESS	**563 South Route 53** **Addison, IL 60101-4211**
PHONE	**630-495-0015 Ext. 109**
FAX	**630-620-1295**
EMAIL	**leta@archononline.com**

Map This Address

Certification Information

CERTIFYING AGENCY	**City of Chicago**
CERTIFICATION TYPE	**WBE - Women Business Enterprise**
CERTIFICATION DATE	**2/14/2020**
RENEWAL DATE	**2/28/2021**
EXPIRATION DATE	**2/28/2021**
CERTIFIED BUSINESS DESCRIPTION	**237210 Land subdividing and utility installation (e.g., electric, sewer and water)**

Commodity Codes

Code	Description
NAICS 237210	Land subdividing and utility installation (e.g., electric, sewer and water)

Additional Information

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT	I-18-4704

DBE FIRM NAME	ALPINE DEMOLITION SERVICES, LLC
FIRM CERTIFICATION	DBE MBE WBE SBA 8(A)

SUBCONTRACTOR

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, [illegible] (if any)	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	DESIGNATE SUPPLIER	TOTAL DBE PARTICIPATION (Enter 100% of Contingency Work Items)
	See attached quote					
			TOTALS FOR THIS DBE FIRM:			~~$478,050.00~~ $402,200.00

*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] Vice President 1-10-2020

Signature for Prime Contractor | Title | Date

Contact: Nick Schram

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] PRESIDENT 1/9/20

Signature for DBE Contractor | Title | Date

Contact: KELLI PAWLIK

Firm Name: ALPINE DEMOLITION SERVICES, LLC

E-mail: kelli@knockitdown.com

Phone: 630-761-0700

Address: 3515 STERN AVENUE, ST. CHARLES, IL 60174

DEMOLITION SERVICES — DBE/WBE/FBE certified

January 9, 2020

Jeff Pennino
Curran Contracting
286 Memorial Court
Crystal Lake, IL 60014

Re: ***Demolition @ I-490 Devon Ave – Touhy Ave.***
ISTHA 4704
Chicago-Des Plaines, Illinois

Alpine Demolition Services is IDOT Certified DBE

Alpine Demolition Services, LLC (Alpine) proposes to furnish labor, equipment, material and legal disposal to remove the following at the above address:

- ✓ Perform demolition of the following at the above location;
  - Removal of UST not to exceed 10,000 gal with related liquids.
  - Removal of building per Building Demolition Special Provisions
    - Building Removal 1 - 1813, 1817, 6629 Elmhurst Road, Chicago & Elk Grove Village, IL
      - 2 Buildings, Foundations, Retaining Walls, Util Poles/Equip/Pad, Pavement, Manhole, Debris/Rebar Pile
    - Building Removal 2 – 300 W Touhy, Des Plaines, IL
      - Commercial Bldg, Sheds, Pavement, Fence, Guardrail, Training Equipment
    - Permits, Notifications, Board Up, Asbestos Inspections, Gas Disconnect Fee
  - Well Capping, Septic Tank Removals
  - Wall Removal
  - Temp. 6' Chain-link Fence.
  - Demolition plan per ISTHA requirements.
  - Two Mobilizations/Stages per dates on attached.
- ✓ All debris to be disposed of in a legal licensed landfill.
- ✓ Depressions to be sloped and left as is.
- ✓ Work to be performed by union employees.
- ✓ All salvage to become property of Alpine after structures are released for demolition.

Exclusions:

- ❖ **Utility disconnects and pot holing (if required). Disconnection & removal of Municipal WATER & SEWER. Com-Ed & ATT Fees.**
- ❖ Maintenance of traffic devices.
- ❖ **Removals not indicated on attached.**
- ❖ Excavation & **Backfill.**
- ❖ Erosion control, tree removal, and haul off of any soil not included on attached.
- ❖ **All shoring and/or bracing of items to remain..**
- ❖ Removal of piles/caissons.
- ❖ Performance bond (Add 2.0%).
- ❖ All layout and engineering.
- ❖ All salvage for owner.

Total **See attached**

Thank you for the opportunity to bid the above project. **Should there be any questions concerning the above please don't hesitate to call me @ 630.918.3906**

Respectfully Submitted,

[redacted]

Karsten Pawlik
V.P. Operations

Accepted by: _____

Title: _____

Date: _____

Alpine DEMOLITION SERVICES

DBE/WBE/FBE certified

	PROJECT ISTHA 4707 I-490 DEVON TO TOUHY							17-0093
	CITY CHICAGO						DATE	1/9/20
#	#	ITEM	DATES	UNIT	QUANTITY	UNIT PRICE		TOTAL
								$ -
								$ -
								$ -
1160	66900105	UNDERGROUND STORAGE TANK REMOVAL	8/5/2020	EA	1.00	$ 25,000.00		$ 25,000.00
		ASSUMED 10,000 GAL, INCLUDES PUMPING OF LIQUIDS, NO CONTAMINATED SOIL						
1220	67201000	SEALING ABANDONED WATER WELLS	7/14/2021	EA	1.00	$ 2,000.00		$ 2,000.00
1430	X0320239	CONCRETE WALL REMOVAL	8/5/2020	FT	1,566.00	$ 27.00		$ ~~42,282.00~~
1710	Z0007601	BUILDING REMOVAL NO. 1	7/14/2021	LS	1.00	$ 78,000.00		$ 78,000.00
1720	Z0007602	BUILDING REMOVAL NO. 2	8/5/2020	LS	1.00	$ 296,000.00		$ 296,000.00
1740	Z0023800	FILLING EXISTING SEPTIC TANK	7/14/2021	LS	1.00	$ 1,200.00		$ 1,200.00
	Z0055905	TEMP CONT FENCE	8/5/2020	LF	595.00	$ 6.00		$ ~~3,570.00~~
		DEMO TOTAL						$ ~~448,052.00~~

402,200 00

BMD

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

December 2, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Kelli A. Pawlik
Alpine Demolition Services, LLC
3515 Stern Ave.
St. Charles, IL 60174

Dear Ms. Pawlik:

The Bureau of Small Business Enterprises is in receipt of your request for additional categories. As of the date of this letter, your approved categories include:

- Demolition – Construction
- Demolition – Building
- Crushing & Recycling

Your current categories will be included in the next update of the IL UCP DBE Directory. If you have any questions or require additional information, please contact this office at (217) 782-5490.

Sincerely,

[redacted]

E. 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

Alpine Demolition Services, LLC
Kelli A. Pawlik
3515 Stern Ave.
St. Charles, IL 60174

Email: kelli@knockitdown.com
Phone: (630) 761-0700
Fax: (630) 761-0777

County: Kane

Categories: Construction, Miscellaneous

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- DEMOLITION - CONSTRUCTION
238910-Site Preparation Contractors	CRUSHING & RECYCLING
	238910- DEMOLITION - BUILDING

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

[redacted]	ISTHA I-18-4704
[redacted]	ABI CONSTRUCTION LLC

DBE | MBE | WBE | SBA 8(A)

PRIME _____ JV PARTNER _____ SUBCONTRACTOR ✓ TRUCKER _____ SUPPLIER _____ MANUFACTURER _____

[redacted] 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.

					[redacted]	
	PLEASE SEE ATTACHED					
				TOTALS FOR THIS DBE FIRM:		$200,461.00

*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 #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.

176,289.00

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]	Vice President, 1/10/2020	[redacted]	PRESIDENT
Signature for Prime Contractor	Title / Date	Signature for DBE Contractor	Title / Date
Contact: Nick Schram		Contact: ANTONELLA ORLANDO	
Firm Name: Curran Contracting Company		Firm Name: ABI CONSTRUCTION LLC	
E-mail: estimating@currancontracting.com		E-mail: ABICONCRETECONSTRUCTION@GMAIL.COM	
Phone: 815-455-5100		Phone: 630.233.4957	
Address: 286 Memorial Ct., Crystal Lake, IL 60014		Address: 1N069 HARRIET ST. CAROL STREAM IL 60188	

Bid Proposal

A.B.I.

ABI Construction LLC
1N069 Harriet Street
Carol Stream, IL 60188
abiconcreteestimating@gmail.com

Project:	I-490 ADVANCE EARTH WORK, DRAINAGE, DEVON AVE TO S. TOUHY AVE	Estimator:	ESTIMATING DEPARTMENT
Owner:	ISTHA	Direct:	847-652-7288
Due Date to Prime:	1/9/2020	Email:	abiconcreteestimating@gmail.com
Item No.:	ISTHA	IDOT Subcontractor No.:	16786
Contract No.:	I-18-4704	**IDOT DBE CERTIFIED**	
Completion Date:	11/17/2021	Signatory Unions:	YES
	Concrete	**24 Hour Telephone No.:**	**847-652-7288**

Biditem	Client No.	Description	Quantity	UM	Unit	Total
1	42300400	PCC DRIVEWAY PAVT 8	1,124.000	SQ YD	$ 54.00	$ 60,696.00
2	42400200	PC CONC SIDEWALK 5	2,601.000	SQ FT	$ 8.00	$ 20,808.00
3	60600605	CONC CURB TB	197.000	FOOT	$ 35.00	$ 6,895.00
4	60603800	COMB CC&G TB6.12	2,294.000	FOOT	$ 30.00	$ 68,820.00
5	60605000	COMB CC&G TB6.24	50.000	FOOT	$ 50.00	$ 2,500.00
6	60617800	PAVED FLUME	7.000	FOOT	$ 250.00	$ 1,750.00
7	X0321309	CONCRETE PAD	148.000	SQ YD	$ 100.00	$ 14,800.00
8		~~TEMPORARY PAVEMENT, CLASS 1~~	~~448.000~~	~~SQYD~~	~~$ 54.00~~	~~$ 24,192.00~~
9						$ -
10						$ -
11						$ -
12						$ -
13						$ -
14						$ -
15						$ -
16						$ -
17						$ -
18						$ -
19						$ -
20						$ -
21						$ -
22						$ -
23						$ -
24						$ -
25						$ -
26						$ -
27						$ -
28						$ -
29						$ -
					Grand Total	$ ~~200,461.00~~

176,269.00

ABI Construction LLC.'s Terms & Conditions

THIS BID IS ALL INCLUSIVE ANY CHANGE MUST BE APPROVED A.B.I. CONSTRUCTION LLC.

THIS PROPOSAL AND ALL ITS CONDITIONS MUST BE INCLUDED IN THE CONTRACT AND NO CHANGE CAN BE MADE WITHOUT WRITTEN AUTHORIZATION

EXCLUSIONS:

REMOVALS, EXCAVATION AND BACKFILL-STONE BASE PLACED BY OTHERS I.E. "READY TO POUR/PAVE"-QC/QA MATERIAL TESTING: CONCRETE, SOIL, STEEL

NO TRAFFIC CONTROL, BARRICADES, LANE CLOSURES OR FLAGGERS-NO LAYOUT, ENGINERRING OR AS BUILT DRAWINGS

NO PERMITS, BONDS, OR FEES-NO RESTORATION, ASPHALT PATCHING, BARRICADES OR LANDSCAPPING

NO PREMIUM TIME-NO WINTER PROTECTION OR WINTER SERVICES

NO EMMBEDDED ITEMS -NO PAVEMENT REMOVAL/REPLACEMENT FOR SEWER LATERIALS

NO HAULING OF CONTAMINATED OR HAZARDOUS MATERIALS

NO SAW CUTTING, NO GREEN SAWING, NO SEALING OF CONCRETE JOINTS, NO SWEEPING OR CLEANING OF COMPLETED POURED CONCRETE SURFACES

NUMBERS 2,3,4,9 & 20 ARE NOT INCLUDED FOR ISTHA I-18-4704 – PROJECT BID AT MINIMUM POURS OF 100 CUBIC YARDS TO BE FRAMED AND POURED AT A TIME – ALL STEEL/WIRE ETC... FOR 8" PCC DRIVEWAY, PAVED FLUMES, CONC PADS TO BE COMPLETED BY OTHERS.

1. All work shall be performed in a workmanship like manner, consistent with the contract documents, and in accordance with all governing authorities having jurisdiction over the work. All work will follow the engineer's final decisions. All pay line items include all work related to the items as stated in the Standard Specifications for Road and Bridge Construction Adopted April 1, 2016 and Supplemental Specifications and Recurring Special Provisions Adopted January 1, 2019.
2. If ABI's work requires utility locates to complete its portion of the work ABI construction will be responsible for coordinating the locates with the 811 Julie locate number only. All other locates outside of the 811 Julie locate phone number are the responsibility of the general contractor I.E. IDOT, ISTHA or any other public or private agency that would perform locates. If the utilities are in ABI's work area they are to be relocated or protected by the General Contractor or others.
3. Flaggers will be supplied by ABI construction as needed for all of ABI's work zone work only. ABI will not supply or compensate any flagger for any duties to flag at any rail road crossing. All flagging responsibilities and traffic control or traffic protection at rail roads to be completed by others.
4. ABI Construction will utilize traffic equipment and / or barricades furnished and supplied by the General Contractor. Placing and removing of the traffic equipment and / or barricades for daytime working hours for work zones will be completed by ABI Construction as long as the General Contractor can furnish the required traffic control equipment for the project and it is on site and readily available. For ABI's daily lane closures a sufficient amount of arrow boards and traffic cones shall be provided for use to close all lanes. ABI will not install any permanent traffic / construction signage for the public or control or designate any detours.
5. All pumping and dewatering is included for all of ABI's work areas from casual rainwater.
6. ABI Construction will keep a clean work zone at all times. ABI will not perform any clean up or re-do / repair work to any work that has been completed and has been marked or vandalized by others.
7. ABI Construction will restore any areas that they use for the storage of their materials or supplies or additional work space outside of those noted in the contract documents or those provided by the general contractor.
8. No overtime included unless otherwise stated or previously agreed upon. All overtime will be based upon time and materials set forth. All extra work outside of the scope of work or line items will be billed on time and material.
9. QC is included for all of ABI Constructions work unless otherwise stated.
10. ABI Construction is to furnish any aggregate that is required for the completion of their work when it is included in the item number as an incidental or it is its own line item. ABI will place stone as needed for its final grade. No grading or earth excavation is included unless otherwise stated. All sub bases provided by others. ABI will fine grade stone sub base already completed by others +/- 1". If fine grading is to be compacted with a roller general contractor to supply this equipment and operator for the completion of this work.
11. Concrete Washouts are included but the general contractor shall have adequate space for the placement of the washout on the project for the duration of the project.
12. Backfilling and landscape restoration is not included unless otherwise noted herein.
13. Saw cutting is included only on items being removed by ABI Construction and it is incidental to the item. ABI is not responsible for any underground utilities that are marked or non-marked private utilities that are cut by saw cutting or other means.
14. Winter Protection will be charged as an extra as needed unless otherwise previously agreed upon on a time and material basis. Winter service for concrete will be billed additionally per yard of concrete used from Nov. 1st to April 1st.
15. ABI will not supply any of its own water for the completion of their portion of the work, water to be supplied by general contractor or others.
16. All pavement preservation and pavement patching against new concrete to be completed by others and not the responsibility of A.B.I. Construction.
17. All surveying and layouts to be completed by others unless otherwise agreed upon. ABI will not mark any concrete that has to be removed or replaced, all marking of concrete to be completed by others. All layouts need to be completed prior to ABI's arrival.
18. Permits and/or fees are not included unless otherwise agreed upon. Not included are the following items; Railroad insurance, railroad bonds, right of entry permits, right of entry agreements, no homeowner or business notification for working days or hours.
19. Payment/Performance, Surety Bonds are not included unless otherwise agreed upon.
20. Prices are only good for 15 days from date due to general contractor or respected party.
21. Saw cutting and sealing of concrete joints are excluded from the bid unless otherwise noted or it is incidental to the item.
22. If saw cutting is completed and ABI has to remobilize to make additional saw cuts to concrete that has already been cut this will be billed at per linear foot and per plunge cut dollar amount.
23. Certified Payrolls and EEO logs for subcontractors working for ABI will be charged at $25 per copy/per week to requester.
24. Additional mobilizations outside of what is included into the above scope will be billed on time and material rates. Structure adjustments to be performed by others prior to our arrival. All structure adjustments that have to be re-adjusted will be billed above and beyond this contract.
25. Tax is not included into the above price. Back charges will not be accepted without prior notification and the opportunity to amend such claims. Liquidating damages, penalty and or delay damages will not be accepted and are excluded from our contract as work will be completed on an agreed upon schedule.
26. Mobilization payments are to be made per IDOT or ISTHA standards. Failure to do so can result in this contract and contract pricing be withdrawn and re-bid. No retention of any kind even if held by owner. Progressive payments to be according to work performed. This bid/contrac t is to be signed and included with all contract documents.
27. This quote is covered under our standard insurance policy. All work quoted above is to be completed based upon staging notes. Two week look ahead schedules to be provided to ABI, with any changes or revisions when they are executed.

Prime Contractor Signature

Subcontractor Signature

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

ABI Construction LLC
Antonella Orlando
1N069 Harriet St.
Carol Stream, IL 60188

County: DuPage

Email: abiconcreteconstruction@gmail.com

Phone: (630) 233-4957

Fax:

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- CURB & GUTTER, SIDEWALKS
238110-Poured Concrete Foundation and Structure Contractors	238110- MISCELLANEOUS CONCRETE

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

2ND TO AMBER

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

[redacted]	1-18-4704
[redacted]	Ortiz Contracting Group

(DBE) (MBE) WBE SBA 8(A)

PRIME ____ JV PARTNER ____ SUBCONTRACTOR X TRUCKER ____ SUPPLIER ____ MANUFACTURER ____

[redacted] TIER 1 (SUB TO PRIME): Y N | TIER 2 OR BELOW: (Y) N | UNDER CONTRACT TO: AMBER MECHANICAL CONTRACTORS, INC

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.

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	CHECK IF SUPPLIER	[redacted]
JT13111	FURNISH & INSTALL MECHANICAL PIPING, MATERIAL & EQUIPMENT					
	(partial payment item)					
			TOTALS FOR THIS DBE FIRM:	$219,000.00		$219,000.00

*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 #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. N/A

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] V.P. 1/10/2020

Signature for Prime Contractor | Title | Date

Contact: Nick Schramm

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] VICE PRESIDENT 1-6-20

Signature for DBE Contractor | Title | Date

Contact: Peter Ortiz

Firm Name: ORTIZ CONTRACTING GROUP

E-mail: portiz@ortizcontracting.com

Phone: office 779/324-5212 cell708/382-1496

Address: 9398 Gulfstream Rd. Frankfort, IL 60423

Metra

547 W. Jackson Boulevard, Chicago, IL 60661 312.322.6900 metrarail.com

December 20, 2019

Darrell Ortiz
Dekayo Corporation d/b/a Ortiz Contracting Group
9308 Gulfstream Road
Frankfort, IL 60423

Dear Mr. Ortiz:

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 **December 18, 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: 236220, 238220, 423730

Specialty:
236220 – Commercial and Institutional Building Construction, Construction and Project Management and MEP Consulting
238220 – Mechanical Construction Contractor, HVAC, Process Piping
423730 – Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant (Non-Stocking)

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]

Adriana Mena
DBE Certification Specialist II
Office of Diversity & Business Enterprise

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

Ortiz Contracting Group
Darrell Ortiz
9308 Gulfstream Road
Frankfort, IL 60423-0000

County: Cook

Email: dortiz@ortizcontracting.com

Phone: 779-324-5212

Fax: 779-456-7980

Categories: Construction, Supplier

NAICS	Speciality
236220 - Commercial and Institutional Building Construction	236220 - Commercial and Institutional Building Construction, Construction and Project Management and MEP Consulting
238220 - Plumbing, Heating, and Air-Conditioning Contractors	238220 - Mechanical Construction Contractor, HVAC, Process Piping
423730 - Warm air heating equipment merchant wholesalers	423730 - Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant (Non-Stocking)

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-19-4704

DBE FIRM NAME:	Il in One Contractors, 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: Superior Construction Co.

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	1 LS				
	TOTALS FOR THIS DBE FIRM:			$928,000		$ 928,000.00

*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] Vice President 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: NICK SCHRAM

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] Vice President JAN 7, 2020

Signature for DBE Contractor — Title — Date

Contact: Gerald L. Olson

Firm Name: Il in One Contractors Inc. [redacted]

E-mail: golson@2-in1.com

Phone: 773-847-2100

Address: 4344 W. 45th Street Chicago, IL 60632

January 9, 2020

Illinois State Toll Highway Authority – Janury 10, 2020 Letting

Attention: Estimating Department
Reference : I-18-4704 I-490 Western Access Advance Earthwork

ITEM JI602791 JUNCTION CHAMBER, LOCATION 1 (partial)
ITEM JI602792 JUNCTION CHAMBER, LOCATION 2 (partial)
ITEM JI602793 JUNCTION CHAMBER, LOCATION 3 (partial)
ITEM JI602794 JUNCTION CHAMBER, LOCATION 4 (partial)

II in One Contractors proposes to furnish all material, labor, equipment and small tools for the following :

- form & pour base slabs
- form & pour side walls (including blockouts for pipes – by others)
- form & pour weir walls (where shown)
- form & suspended slabs and beams (where shown)
- furnish & place CLSM at base slab (where shown)
- furnish & install grating frames & final grating (as shown)
- furnish & install 3/16" plate (where shown)
- furnish & install ladders shown at JC#2, JC#3, JC#4
- furnish & install epoxy coated rebar
- furnish hoisting and concrete pumping for this work as required

assumptions :
- ERS / excavation / undercut & fill / dewatering/ final backfill by G.C.
- waterproofing or dampproofing (if required) by G.C.
- structure concrete precedes pipe installation and we will leave blockouts
- retention on this work to be released / reduced 60 days after completion of our work

ITEM JI602791 JUNCTION CHAMBER, LOCATION 1 (parial)	**$ 195,000.00**
ITEM JI602792 JUNCTION CHAMBER, LOCATION 2 (parial)	**$ 327,000.00**
ITEM JI602793 JUNCTION CHAMBER, LOCATION 3 (parial)	**$ 208,000.00**
ITEM JI602794 JUNCTION CHAMBER, LOCATION 4 (parial)	**$ 198,000.00**

If you have any questions on this proposal feel free to call or email.

Gerry Olson
Vice President (after hours 773-406-7147)

(golson@2-in1.com)

City of Chicago MBE CERTIFIED
IDOT DBE CERTIFIED
200102 I-18-4704 I-490 Tollway JC
IDOT DBE CERTIFIED

4344 West 45th Street • Chicago Illinois, 60632 • 773.847.2100 office • 773.847.4501 fax
www.II-InOne.com

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

DEC - 4 2019

Robert J. McGee, Jr.
II In One Contractors, Inc.
4344 West 45th Street
Chicago, IL 60632-4309

Dear Mr. McGee:

We are pleased to inform you that **II In One Contractors, Inc.** has been recertified as a **Minority-owned Business Enterprise ("MBE")** by the City of Chicago ("City"). This **MBE** certification is valid until **11/15/2024**; 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. Therefore, 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 **11/15/2020, 11/15/2021, 11/15/2022, and 11/15/2023**. 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 **11/15/2024**. 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 **9/15/2024**.

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** 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 Minority, Women-Owned Business Enterprise, Veteran-Owned Business Enterprise and Business Enterprise Owned or Operated by People with Disabilities in the specialty area(s) of:

NAICS Code(s):

236116 - New Multifamily Housing Construction (except Operative Builders)
236220 - Commercial Building Construction
236220 - Institutional Building Construction
237310 - Highway, Street, and Bridge Construction
237990 - Other Heavy and Civil Engineering Construction
238110 - Poured Concrete Foundation and Structure Contractors
238120 - Structural Steel and Precast Concrete Contractors
238140 - Masonry Contractors
238910 - Site Preparation Contractors

Your firm's participation on City contracts will be credited only toward MBE 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]

Shannon E. Andrews
Chief Procurement Officer

SEA/kr

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

Il In One Contractors, Inc.
Robert J. McGee, Jr.
4344 W. 45th St.
Chicago, IL 60632

Email: golson@2-in1.com
Phone: (773)-847-2100
Fax: (773)-847-4501

County: Cook

Categories: Construction

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- CLEARING AND GRUBBING - CONSTRUCTION
238110-Poured Concrete Foundation and Structure Contractors	EXCAVATING & GRADING - CONSTRUCTION
238140-Masonry Contractors	PRECAST & PRESTRESSED CONCRETE - HIGHWAY BRIDGES - EXCEPT PAINTING
	STEEL, REINFORCING - REBAR PLACEMENT
	STEEL, STRUCTURAL - ERECTION
	CURB & GUTTER, SIDEWALKS
	238110- MISCELLANEOUS CONCRETE
	238140- MISC: MASONRY

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

2ND SUPPLEMENTAL

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	ATLANTIC PAINTING CO., 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: Superior Construction

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)
JT130111	Painting see attached (partial pay item)					
			TOTALS FOR THIS DBE FIRM:			$212,310.00

*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 #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** [redacted]**sion for DBE Participation and can subject the contractor to contract sanctions.**

[redacted] VICE PRESIDENT 1/10/2020
Signature for Prime Contractor — Title — Date

Contact: NICK SCHRAM

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] PRESIDENT 1/9/2020
Signature for DBE Contractor — Title — Date

Contact: Paul Bzoyl

Firm Name: ATLANTIC PAINTING CO., INC.

E-mail: PaulBzoyl@AtlanticPainting.com

Phone: 708-636-2040

Address: 10019 Southwest Highway Oak Lawn, 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

January 9-2020

Illinois State Toll Highway Authority
Western Access Tollway (I-490)
Advance Earthwork, Drainage, and Retaining Wall Construction
Devon Ave to South Of Touhy Ave
Contract I-18-4704

Atlantic Painting Co., Inc. proposes to furnish labor, material, insurance, equipment and supervision necessary to complete the work as follows:

Painting New K-9 Building.		**$ 60,200.00**
Painting of Hollow Metal Doors and Frames, Exposed metal ceiling and Drywall ceiling,		
58700300 Apply Concrete Sealer	**100 Sq Ft.**	**$ 3,400.00**
JI522500 Mechanically Stabilized Earth Retaining Wall	**122,925 Sq Ft.**	**$147,510.00**
Walls HC 157 Sandstone, Cap HC 102 Red Terrazzo Tile		
JT135100 Concrete Filled Pipe Bollards	**12 Each**	**$ 1,200.00**

Qualifications:
APC is a Union DBE/WBE Specialty Contracting entity with DBE certification by Illinois UCP, Wisconsin DOT, Indiana DOT, Ohio DOT and Pennsylvania 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. Blasting of steel and cleaning splashed concrete off of steel or concrete. Contractor to set up, traffic control and lane closures and flaggers. No Bond. Contractor to, give access to all areas of project. Building interiors no blasting of galvanized steel. Staining of all MSE walls, HC 157 Sandstone, Cap HC 102 Red Terrazzo Tile Bollard,no cleaning of concrete splash off steel. No work to glaze block interior or exterior or floors.

Proposal Approved By: Atlantic Painting Co., Inc.

[redacted]

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

pace

Connecting Communities

Rocky Donahue
Executive Director

March 15, 2019

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, 2020.** 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

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.

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	TORRES ELECTRICAL COONTRACTORS LLC.
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 quote					
	TOTALS FOR THIS DBE FIRM:			957,046		$ 957,046.00

*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] Vice President 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: Nick Schram
Firm Name: Curran Contracting Company
E-mail: estimating@currancontracting.com
Phone: 815-455-5100
Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] Manager/Member 1/9/2020

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 Rd. Plainfield, IL 60585

OFFICE OF CONTRACT COMPLIANCE
EDWARD H. OLIVIERI
DIRECTOR
118 N. Clark, County Building, Room 1020 • Chicago, Illinois 60602 • (312) 603-5502

TONI PRECKWINKLE
PRESIDENT
Cook County Board of Commissioners

BRANDON JOHNSON
1st District

DENNIS DEER
2nd District

BILL LOWRY
3rd District

STANLEY MOORE
4th District

DEBORAH SIMS
5th District

DONNA MILLER
6th District

ALMA E. ANAYA
7th District

LUIS ARROYO, JR.
8th District

PETER N. SILVESTRI
9th District

BRIDGET GAINER
10th District

JOHN P. DALEY
11th District

BRIDGET DEGNEN
12th District

LARRY SUFFREDIN
13th District

SCOTT R. BRITTON
14th District

KEVIN B. MORRISON
15th District

JEFFREY R. TOBOLSKI
16th District

SEAN M. MORRISON
17th District

June 20, 2019

Mr. Nicolas Torres, Manager/Member
Torres Electrical Contractors LLC
25261 Sunderlin Road
Plainfield, IL 60585

Re: Annual Certification Expires: July 5, 2020

Dear Mr. Torres:

Congratulations on your continued eligibility for Certification as a **Minority-owned Business Enterprise (MBE)** by Cook County Government. This certification is valid until **July 5, 2023**; however, you must re-validate your firms' certification annually.

As a condition of continued Certification, you must file a **"No Change Affidavit" within sixty (60) business days prior to the date of Annual Certification Expiration.** Failure to file this Affidavit shall result in the termination of your Certification. You must notify Cook County Government's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification within **fifteen (15) business days** of such change.

Cook County Government may commence action to remove your firm as an **MBE** vendor if you fail to notify us of any changes of facts affecting your firm's Certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of certified firms in the following area(s) of specialty:

Construction: Electrical Contractor

Your firm's participation on Cook County contracts will be credited toward **MBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credit toward **MBE** goals will be given only for work performed in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women, Veteran, Service-Disabled Veteran, and Persons with Disabilities Business Enterprise Programs.

Sincerely,

[redacted]

Edward H. Olivieri
Contract Compliance Director

EHO/lar

TORRES
ELECTRICAL CONTRACTORS LLC

ISTHA I-18-4704
Advance Earthwork, Drainage, & Retaining Wall Construction
1/10/2020

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE $$$ US	ITEM AMOUNT $$$ US
81023100	CONDUIT ENCASED, CONCRETE, 1" DIA., PVC 1 WIDE X 1 HIGH	1100	FOOT	$ 52.98	$ 58,278.00
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	2	EACH	$ 63,292.80	$ 126,585.60
JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	1	L SUM	$ 90,000.00	$ 90,000.00
JS810230	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	3400	FOOT	$ 82.60	$ 280,840.00
JS810240	CONDUIT ENCASED IN CONCRETE, 5" DIA., PVC	10	FOOT	$ 86.51	$ 865.10
JS810832	UNDERGROUND CONDUIT, PVC, 1" DIA.	2000	FOOT	$ 23.92	$ 47,840.00
JS814001	HANDHOLE, TOLLWAY	3	EACH	$ 5,470.18	$ 16,410.54
JS814002	HEAVY-DUTY HANDHOLE, TOLLWAY	8	EACH	$ 6,910.18	$ 55,281.44
JS817211	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	6500	FOOT	$ 1.52	$ 9,880.00
JS817212	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	800	FOOT	$ 1.80	$ 1,440.00
JS817215	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	1600	FOOT	$ 2.72	$ 4,352.00
JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	60	FOOT	$ 9.70	$ 582.00
JS817226	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 600MCM	75	FOOT	$ 21.90	$ 1,642.50
JS819002	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	3410	FOOT	$ 34.03	$ 116,042.30
JS821220	LUMINAIRE, LED, PARKING LOT	16	EACH	$ 732.42	$ 11,718.72
JS830016	GROUND MOUNTED LIGHT POLE, (PARKING LOT) ALUMINUM, 12 FT.	16	EACH	$ 2,948.31	$ 47,172.96
JS836004	LIGHT POLE FOUNDATION (PARKING LOT) CONCRETE	16	EACH	$ 2,319.50	$ 37,112.00
~~JT130411~~	~~BUILDING CONSTRUCTION~~	~~1~~	~~L SUM~~	~~$ 915,760.24~~	~~$ 915,760.24~~
JT132625	GROUND ROD	11	EACH	$ 190.62	$ 2,096.82
JT132662	CARD READER STANCHION	8	EACH	$ 1,345.70	$ 10,765.60
JT134032	SITE GROUNDING	1	EACH	$ 2,644.24	$ 2,644.24
JT160112	INNERDUCT FOR SINGLE MODE FIBER OPTIC CABLE, 1 1/2" DIA, COILABLE NONMETALLIC, CORRUGATED	1600	FOOT	$ 2.34	$ 3,744.00
JT810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 6" DIA.	490	FOOT	$ 56.59	$ 27,729.10

TORRES
ELECTRICAL CONTRACTORS LLC

JT999912	THREE PHASE FEEDTHRU TRANSFORMER PAD	1	EACH	$ 4,023.39	$ 4,023.39

$1,872,806.55

$957,046

THANK YOU,

NICK TORRES
Cell: 773-458-4200

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: ntorres@torreselectricalcontractors.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

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2/2

CONTRACT #	I-18-4704

DBE FIRM NAME:	Material Solutions Laboratory
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)
JT155001	CONTRACTOR'S QUALITY PROGRAM *SEE RATE SHEET					$900,000
	TOTALS FOR THIS DBE FIRM:					$ 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 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 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] Vice President

Signature for Prime Contractor **Title**

Date: 1/10/2020

Contact: Nicklas Schram

Phone: 815-455-5100

Firm Name Curran Contracting Company

Address: 286 Memorial Court, Crystal Lake, IL 60014

[redacted] President

Signature for DBE Contractor **Title**

Date: January 3, 2020

Contact: Daniel Tiltges

Phone: 847-466-7216

Firm Name Material Solutions Laboratory

Address: 1040 Bonaventure Dr. Elk Grove Village, IL 60007

Material Solutions Laboratory
1040 Bonaventure Dr. Elk Grove Village, IL 60007
O: 847.466.7216 F: 847-285-1712

MSL Estimated Cost - I-18-4704, I-490 Devon Ave to S. Touhy Ave

Cost Estimate:

	Duration (Months)	Rate ($/HR)	Average Weekdays (Per Month)	Average Saturdays (Per Month)	Vehicle Charge (Per Day)	Hours/Day	Hours/Day OT	Cost/Month	Total Cost
Estimated QR Duration:	15	$ 120.00	22	4	$ 65.00	8	2	$ 36,922.00	$ 553,830.00
Estimated QC/QI (Soil) #1	10	$ 115.00	22	4	$ 65.00	8	2	$ 35,454.00	$ 354,540.00
Estimated QC (HMA-Field Day)	0	$ 115.00	22	4	$ 65.00	8	2	$ 35,454.00	$ -
Estimated QC (HMA Lab-Night)*Shift Diff	0	$ 115.00	22	4	$ 65.00	8	2	$ 37,817.48	$ -
Estimated QC (HMA Field-Night)*Shift Diff	0	$ 115.00	22	4	$ 65.00	8	2	$ 37,817.48	$ -
Estimated Soil Stabilization	0	$ 115.00	22	4	$ 65.00	8	0	$ 27,082.00	$ -
*Assumed 10 hour days working 26 days a month for all work categories.								**Total:**	[redacted]

Laboratory/Field Services:	**Unit Rate**	**QTY**	**EST Cost**
CQP Plan	$ 500.00	0	$ -
Proctor	$ 275.00	8	$ 2,200.00
Organic Content	$ 150.00	4	$ 600.00
Specific Gravity (ASTM D-854)	$ 75.00	4	$ 300.00
Atterberg Limits (ASTM D4318)	$ 175.00	4	$ 700.00
Concrete Cylinders (Each)	$ 20.00	60	$ 1,200.00
Sample/Cylinder Pick-Up Charge(Per Trip)	$ 100.00	0	$ -
			$ 5,000.00

Earned Credit Program (INFORMATION ONLY)

Estimated - Total Working Days	650
Estimated - Total Billable Hours	6500
MSL Available ECP Credits	$ 250,000
Estimated - ECP Credit Deduct Per Hour	$ 38.46
Estimated - QR Hourly Rate with ECP Credit	$ 81.54

Notes:

Work Rules and Billable Rates will be done per MSL's Rate sheet attached.

MSL
Material Solutions Laboratory
1040 Bonaventure Drive, Elk Grove Village, Illinois 60007
Office: 847-466-7216 Fax: 847-285-1712

RATE SHEET FOR FIELD TESTING, INSPECTION & LABORATORY SERVICES

I-18-4704

Personnel

Quality Representative	$120.00/hour
Material Technician (HMA/PCC/Soil)	$115.00/hour

Laboratory/Field Services

Technician Trip Charge	$65.00/trip
Proctor (ASTM T99 or ASTM T180)	$275.00/each
Hydrometer (AASHTO T-88)	$175.00/each
Specific Gravity (ASTM D-854)	$75.00/each
Atterberg Limits (ASTM D4318)	$175.00/each
PH of Soils (AASHTO T-289)	$100.00/each
PGE Testing	$275.00/each
QC Plans	$200.00/each
QC Amendments	$50.00/each

Notes:

1. The Quality Representative will work a minimum of 40 hours per week.
2. Material Solutions Laboratory (MSL) charges the hourly rate for the actual travel time from its lab located in Elk Grove Village to/from the job site. Personnel rates will be increased by 4% for subsequent years.
3. A minimum of 8 hours on site will be billed to the client. All minimums include travel time.
4. Unit Rates are for a normal 8-hour workday with overtime after 8 hours per day and on Saturday. Overtime will be invoiced at 1.4 times the normal hourly rate.
5. Any night work will be subject to a +15% shift differential.
6. Please give 24 hour notice to schedule a technician (630-283-0585, schedule@msl-corp.com).
7. In the event of cancellation of field work for reasons other than weather related, please give 24 hours notice.
8. If field cured concrete cylinders are required, the contractor is responsible for providing appropriate field cure conditions according to AASHTO T23 or associated ASTM standard C31.

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

Material Solutions Laboratory Corporation
Samir Kukadia
1040 Bonaventure Dr.
Elk Grove Village, IL
60007

Email: sam@msl-corp.com
Phone: (847) 466-7216
Fax: (847) 285-1712

County: Cook

Categories: Architecture\Engineering, Construction, Professional

NAICS	Speciality
541330-Engineering Services	541330- QA AGGREGATE/HMA/PCC
541380-Testing Laboratories	SPEC. SERVS.: CONSTRUCTION INSPECTION
561730-Landscape Services	541380- MISC: MATERIAL TESTING
	MISC: CONCRETE FIELD TESTING
	MISC: CONCRETE LABORATORY TESTING
	561730- SEEDING & SODDING
	LANDSCAPING

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	Maintenance Coatings Co.
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 quote					
	TOTALS FOR THIS DBE FIRM:					$63,508.75

*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] Vice President 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: Nick Schram

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] President 12/13/19

Signature for DBE Contractor — Title — Date

Contact: Julie Wrightsman

Firm Name: Maintenance Coatings Co.

E-mail: julie@maintenancecoatings.com

Phone: 847-622-0020 office 312-287-6229 mobile

Address: 543 Woodbury Street, South Elgin, IL 60177

Maintenance
Coatings Company

543 Woodbury Street, South Elgin, IL 60177
Phone: 847-622-0020 Fax: 847-622-1087

Job Name:	I-490 ADV EARTHWORK, DRAINAGE	IDOT Item No.:	
Quote To:	CONTRACTORS		
Agency:	ISTHA	Bid Date:	01/08/20
Contract No.	I-18-4704	Revision Date:	
Section No.		Contact:	Jeff Schuldt/ Rachel Traficanti
Completion Date	04/08/22	After Hours Ph #	847-344-5527/ 630-461-3365
Working Days			

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	PAVEMENT MARKING				
78000200	THRMPLSTC PVT MRKNG - LN 4"	558.00	FOOT	5.00	2,790.00
78001100	PNT PVT MRKNG - LTTRS & SYM	8.00	SQFT	60.00	480.00
78001110	PNT PVT MRKNG - LN 4"	218.00	FOOT	10.00	2,180.00
78005100	EPOXY PVT MRKNG - LTTRS & SYM	32.00	SQFT	48.00	1,536.00
78005130	EPOXY PVT MRKNG - LN 6"	38.00	FOOT	12.00	456.00
78005180	EPOXY PVT MRKNG - LN24"	77.00	FOOT	48.00	3,696.00
	TRAFFIC CONTROL				
72000100	SIGN PANEL - TY 1	29.00	SQFT	42.00	1,218.00
72400310	REMOVE SIGN PANEL - TY 1	10.00	SQFT	40.00	400.00
72400710	RELOCATE SIGN PANEL - TY 1	44.00	SQFT	40.00	1,760.00
72400720	RELOCATE SIGN PANEL - TY 2	32.00	SQFT	50.00	1,600.00
72800100	TELESCOPING STEEL SIGN SUPPORT	9.00	FT	20.00	180.00
72900100	METAL POST - TY A	208.00	FT	16.00	3,328.00
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	1.00	EA	250.00	250.00
78200010	BARRIER WALL REFLECTORS	43.00	EA	8.25	354.75
X7010216	TRAF CONT & PROT SPL	1.00	L SU	12,750.00	12,750.00
JT701031	SUPPLEMENTAL SIGNING	574.00	SQFT	35.00	20,090.00
JT701050	TEMP INFO SIGN GROUND 24 OR LESS	24.00	SQFT	35.00	840.00
JT701052	TEMP INFO SIGN GROUND 24 OR MORE	50.00	SQFT	35.00	1,750.00
JT701200	PORT CHANGEABLE MESS SIGN	30.00	CALD	75.00	2,250.00
JT701210	PORT CHANGEABLE MESS SIGN	4.00	CALW	400.00	1,600.00
JT701220	PORT CHANGEABLE MESS SIGN	4.00	MNTH	1,000.00	4,000.00
GRAND TOTAL					**$63,508.75**

NOTES:

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

December 2, 2019

Julie Wrightsman
Maintenance Coatings Co.
543 Woodbury St.
South Elgin, IL 60177
Email: julie@maintenancecoatings.com

Dear Ms. Wrightsman:

This letter is to inform you that the City of Chicago has extended your status as a **Women-Owned Business Enterprise (WBE) until March 2, 2020.** We are providing this extension to allow enough time for you to provide any additional documentation that your application may be missing and/or for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until processing has been completed.

Please present this letter and a copy of your last certification letter as evidence of your certification with bid document submittals as needed.

If you have any questions, please feel free to contact our office at (312) 744-4900.

Sincerely,

[redacted]

Désirée M. Otkins
Manager of Certification

DMO/ll

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

Maintenance Coatings Co.
Julie Ann Wrightsman
543 Woodbury St
South Elgin, IL 60177-0000

County: Cook

Email: julie@maintenancecoatings.com

Phone: 847-622-0020

Fax: 847-622-1087

Categories: Construction, Miscellaneous

NAICS	Speciality
237310 - Airport runway line painting (e.g., striping)	NAICS Code(s): 237310 – Pavement Marking Services:
237310 - Highway, Street, and Bridge Construction	Painting, Raised
237310 - Painting lines on highways, streets and bridges	Epoxy
237310 - Painting traffic lanes or parking lots	Signing
237310 - Parking lot marking and line painting	Thermoplastic Hand
237310 - Pavement, highway, road, street, bridge or airport runway, construction	Preformed Plastic Pavement
561990 - Flagging (i.e., traffic control) services	Temporary Wall Barrier Installation 561990 – Flagging (i.e., traffic control) Services

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	Ruizscape Construction 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)
1	See the attached landscape construction proposal dated 1-10-20					$1,213,951.60
			TOTALS FOR THIS DBE FIRM:			$1,213,951.60

*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] Vice President 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: Nick Schram

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] Sr. Estimator 1-10-20

Signature for DBE Contractor — Title — Date

Contact: Chris Ruiz

Firm Name: Ruizscape Construction Inc.

E-mail: chris@ruizscape.com

Phone: 224-623-0323

Address: 43w471 Bahr Rd, Hampshire,IL

43W471 Bahr rd
Hampshire,Il 60140
Office #-224-623-0323
FAX #- 224-357-8189
Chris Direct #-847-385-1404
Chris@ruizscape.com

Landscape Items Proposal

January 0, 1900 **ISTHA Contract No. I-18-4704**

Installation

Prices Quoted Effective To 2/29/00

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UOM	UNIT PRICE	BID AMOUNT
25000400	*NITROGEN FERTILIZER NUTRIENT*	649.000	LB	1.00	649.00
25000600	*POTASSIUM FERTILIZER NUTRIENT*	1,946.000	LB	1.00	1,946.00
25000750	*MOWING*	45.000	ACRE	150.00	6,750.00
K0029632	*WEED CONTROL, NON-SELECTIVE & NON-RESIDUAL*	22.000	GAL	100.00	2,200.00
X0540000	*BRICK PAVERS*	4,927.000	SQFT	12.00	59,124.00
X2503000	*MAINTENANCE MOWING*	49.000	ACRE	150.00	7,350.00
X2503110	*MOWING SPECIAL*	1.000	ACRE	300.00	300.00
JI251010	*EROSION CONTROL BLANKET, BIODEGRADABLE NETTING*	394,942.000	SQYD	1.10	434,436.20
JS280050	*SILT FENCE*	16,498.000	FOOT	2.50	41,245.00
JS280051	*RE-ERECT SILT FENCE*	3,531.000	FOOT	1.00	3,531.00
JS280100	*SUPER SILT FENCE*	794.000	FOOT	16.00	12,704.00
JS280151	*SAME-DAY STABILIZATION*	101,640.000	SQYD	0.01	1,016.40
JS280180	*RECTANGULAR INLET PROTECTION*	9.000	EACH	250.00	2,250.00
JS280210	*FILTER FABRIC INLET PROTECTION, BASKET TY*	85.000	EACH	150.00	12,750.00
JS280305	*TEMP DITCH CHECKS*	1,160.000	FOOT	7.00	8,120.00
JT211200	*PREPARED TOPSOIL FURNISH & PLACE, 8"*	692.000	SQYD	12.00	8,304.00
JT211202	*PREPARED TOPSOIL FURNISH & PLACE, 12"*	23,662.000	SQYD	12.00	283,944.00
JT250432	*SEEDING, CL 2E SALT TOLERANT ROADSIDE MIX SPL*	53.500	ACRE	2,400.00	128,400.00
JT250442	*SEEDING, CL 4F NATIVE GRASS LOW PROFILE MIX SPL*	11.000	ACRE	2,500.00	27,500.00
JT250446	*SEEDING, GRASS-FORB MIX 2 SPECIAL*	18.800	ACRE	2,600.00	48,880.00
JT250454	*SEEDING, TALL FESCUE MIX SPECIAL*	5.000	ACRE	2,400.00	12,000.00
JT254019	*BIOSWALE PLUGS SPECIAL*	692.000	SQYD	6.00	4,152.00
JT285055	*ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1*	320.000	SQYD	180.00	57,600.00
JT285056	*ARTICULATED CONCRETE BLOCK REVETMENT SYSTEM, TYPE 2*	244.000	SQYD	200.00	48,800.00

DBE QUALIFIED **Total** **$ 1,213,951.60**

IDOT REGISTRATION # 16843 FEIN #83-2948221
CERTIFIED DBE BUSINESS
SIGNATORY TO LOCALS 150 AND 703.

EXCAVATION FOR TOPSOIL PLACEMENT IS NOT INCLUDED. REMOVAL OF EXISTING TURF IS NOT INCLUDED.
SUBGRADE TO WITHIN .1 FOOT BY OTHERS.
EXCAVATION FOR RETAINING WALL FOUNDATIONS AND OVERDIG FOR STRUCTURAL REINFORCEMENT IS NOT INCLUDED.
THIS PROPOSAL DOES NOT INCLUDE POLLUTION LIABILITY INSURANCE. ANY REQUIRED COVERAGE TO BE PAID BY GENERAL CONTRACTOR.
*****ONSITE TOPSOIL TO BE PROVIDED AND USED FOR PREPARED TOPSOIL FURNISH AND PLACE 8" AND 12"**
ALL WORK IS GUARANTEED TO BE AS SPECIFIED. ALL WORK TO BE COMPLETED IN A WORK-MAN-LIKE MANNER ACCORDING TO STANDARD PRACTICES. ANY ALTERATION OR DEVIATION FROM ABOVE SPECIFICATIONS INVOLVING EXTRA COSTS WILL BE EXECUTED ONLY UPON WRITTEN REQUEST, AND WILL BECOME AN EXTRA CHARGE OVER AND ABOVE THE ESTIMATE. ALL AGREEMENTS CONTINGENT UPON STRIKES, ACCIDENTS OR DELAYS BEYOND OUR CONTROL. THE COVERAGE AND LIMITS CONFORM TO THE MINIMUM REQUIRED BY ARTICLE 107.27 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ADDITIONAL COVERAGE TO BE PAID BY GENERAL CONTRACTOR.
PERFORMANCE OR MAINTENANCE BONDS ARE NOT INCLUDED.

Respectfully Submitted,

Ruizscape Construction, Inc.

[redacted]

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

Ruizscape Construction Inc.
Juan M. Ruiz Sr.
43W471 Bahr Rd.
Hampshire, IL 60140

Email: juan@ruizscape.com
Phone: (224) 623-0323
Fax: (224) 357-8189

County: McHenry

Categories: Construction, Miscellaneous

NAICS	Speciality
237310-Highway, Street, & Bridge Construction	237310- EXCAVATING & GRADING - CONSTRUCTION
238910-Site Preparation Contractors	238910- MISC: EROSION CONTROL
561730-Landscape Services	561730- LANDSCAPING SEEDING & SODDING

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	MTC Moreno's 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: Superior Construction Co.

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)
JI522500	Truck MSE wall backfill	50,000 TON	$12.62 / Ton	$631,000		
	TOTALS FOR THIS DBE FIRM:			$631,000		$631,000.00

*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] Vice President 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: Nick Schram

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] PRESIDENT 1/9/2020

Signature for DBE Contractor — Title — Date

Contact: HUMBERTO MORENO

Firm Name: MTC MORENO'S INC.

E-mail: MTCMORENOSDISPATCH1@GMAIL.COM

Phone: 815-222-8882

Address: 1125 MILFORD AVE. ROCKFORD, IL 61109

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

January 10, 2020

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Humberto Moreno
MTC Moreno's, Inc.
2804 Foliage Ln.
Rockford, IL 61109

Dear Mr. Moreno:

Your Disadvantaged Business Enterprise (DBE) *No Change Affidavit* has been received and is under review. Your firm remains certified with the Illinois Unified Certification Program (IL UCP) during the review process. If additional information is required, you will be notified.

If you have any questions or concerns about the review process or the status of your application, please contact this office by mail at the following address or call (217) 782-5490.

Illinois Department of Transportation
Bureau of Small Business Enterprises
Attn: Certification Section
2300 S. Dirksen Parkway, Room 319
Springfield, IL 62764

Sincerely,

[redacted]

Debra A. Clark, Bureau Chief
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

MTC Moreno's, Inc.
Humberto Moreno
2804 Foliage Ln.
Rockford, IL 61109

County: Winnebago

Email: mtcmorenosdispatch1@gmail.com

Phone: (815) 703-1082

Fax: (815) 516-0174

Categories: Trucking

NAICS	Speciality
484220-Specialized Freight (except Used Goods) Trucking, Local	484220- TRUCKING

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois Tollway — *Illinois State Toll Highway Authority "ISTHA"*

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	Tamayo Cartage, 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. 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)
	Trucking/Hauling					
20200100	Earth Ex	1,409	110 —	155,000		
		TOTALS FOR THIS DBE FIRM:		155,000		

*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] V.P. 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: Mike Padula, VP
Firm Name: Curran Contracting Company
E-mail: Estimating@currancontracting.com
Phone: 815-455-5100
Address: 286 Memorial Court, Crystal Lake, IL 60014

[redacted] President 1-10-2020

Signature for DBE Contractor — Title — Date

Contact: Jose Tamayo
Firm Name: Tamayo Cartage, Inc.
E-mail: Lupetamayo26@gmail.com
Phone: 847-366-1108
Address: 12750 Caledonia Rd, Belvidere, IL 61008

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

July 2, 2019

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Jose G. Tamayo
Tamayo Cartage, Inc.
12750 Caledonia Rd.
Belvidere, IL 61008

Dear Mr. Tamayo:

The Illinois Department of Transportation (IDOT) has approved the *No Change Affidavit* for Tamayo Cartage, 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

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

Tamayo Cartage, Inc.
Jose G. Tamayo
12750 Caledonia Rd.
Belvidere, IL 61008

County: Boone

Email: Lupetamayo26@gmail.com

Phone: (847) 366-4524

Fax:

Categories: Trucking

NAICS	Speciality
484220-Specialized Freight (except Used Goods) Trucking, Local	484220- TRUCKING

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

Illinois State Toll Highway Authority "ISTHA"

DBE FORM 2025 - DBE PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

DBE FIRM NAME:	Chicagoland Truckin" 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.
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)
2020100	Earth Ex	1,409	110—	155,000		
	TOTALS FOR THIS DBE FIRM:			155,000		

*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 items(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 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] VICE PRESIDENT

Signature for Prime Contractor — Title

Date: 1/10/2020

Contact: NICK SCHRAM

Phone: Curran Contracting Company

Firm Name: estimating@currancontracting.com

Address: 815-455-5100

286 Memorial Ct., Crystal Lake, IL 60014

[redacted] Operations Manager

Signature for DBE Contractor — Title

Date: 1/10/2020

Contact: Isidro Lopez

Phone: 773 921-9200

Firm Name: Chicagoland Truckin' Inc

Address: 5494 W Roosevelt Rd, Chicago, Il , 60644

C.T.I.
Chicagoland Truckin Inc.
(773) 921-9200
(773) 921-8944 (Fax)
Chicago, IL.
MBE/DBE Certified

1/9/2020

Job Proposal

Contractor: Curran Contracting Company
Attention: KIM BOLANOWSKI
Job: ISTHA i-18-4704
Owner: ISTHA

		2020	2021	2022
Hourly Rates	**Mon- Fri**	$110.00	$115.00	$120.00
Present to Dec. 31st 2020	**Sat**	**$130.00**	**$135.00**	**$140.00**
1/2 Hr. travel time at the end of each day				

ADDITIONAL 5% ESCALATION PER YEAR AFTER 2020 for cartage, disposal and material each may apply

Tolls will be invoiced per route given plus tax if applicable

6 WHEELER AVAILABLE UPON REQUEST PER HRLY RATE--3 HR MIN
BARN DOOR TRAILERS AVAILABLE UPON REQUEST PER HRLY RATE
SEMI-FLATBEDS AVAILABLE PER HRLY RATES, 8 HR MIN.
HARD TO HANDLE CHARGES WILL BE BILLED ACCORDINGLY

Loads consisting of any kinds of woods, plastics or rubber of any kind will be charged accordingly, or possibly rejected.
A 15 minute demurrage time is allowed per load; After that waiting time applies per hourly rate.
Contractor loading trucks must be responsible for all and any overweight fines. We reserve the right to reject any unsafe load.
We assume no liability for damaged sidewalks, driveways, or any underground construction by trucks making a pick-up or a delivery.
Exclusive use of truck ordered, and payment of cartage & disposal charges due in 30 days. Amounts past due over 30 days will be subject to 1.8% monthly interest rate. CTI reserves the right to collect on all attorney fees and all collection costs in the event customer becomes delinquent. Placing any truck order acknowledges agreement of above terms. Please sign and fax back.

IMPORTANT NOTICE
ANY DISCREPANCIES ON TICKETS OR INVOICES MUST BE NOTIFIED WITHIN 15 DAYS OF INVOICE DATE

Chicagoland Truckin Inc.

Quoted By: Isidro Lopez
Position: Operations Manager
Signature: [redacted]
(708) 243-9147

Company: _____
Accepted: _____
Position: _____
Signature: _____

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

JAN 2 3 2018

Alberto Roman
Chicagoland Truckin, Inc.
5494 West Roosevelt Road
Chicago, IL 60644

Dear Alberto Roman:

We are pleased to inform you that **Chicagoland Truckin, Inc.** has been recertified as a **Minority-Owned Business Enterprise ("MBE")** by the City of Chicago ("City"). This **MBE** certification is valid until **12/15/2022**; 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 **12/15/2018, 12/15/2019, 12/15/2020, and 12/15/2021.** 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 **12/15/2022.** 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 **10/15/2022.**

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** 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.

JAN 23 2018

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):

484220	Dump trucking (e.g., gravel, sand, top-soil)
484220	Flatbed Trucking, local
484220	Gravel, Sand, Top Soil hauling, local

Your firm's participation on City contracts will be credited only toward **Minority-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/ag

Metra

547 W. Jackson Boulevard, Chicago, IL 60661 312.322.6900 metrarail.com

August 22, 2019

Alberto Roman
Chicagoland Truckin, Inc
5494 W. Roosevelt Road
Chicago, IL 60644-1467052

Dear Mr. Roman:

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 **August 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: 484220

Specialty: Semi-Dump Truck Construction Hauling

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

Chicagoland Truckin Inc.
Alberto Roman
5494 W. Roosevelt Rd.
Chicago, IL 60644-1467

Email: cti-trucks@ameritech.net
Phone: 773-921-9200
Fax: 773-921-8944

County: Cook

Categories: Trucking

NAICS	Speciality
484220 - Specialized Freight (except Used Goods) Trucking, Local	484220 - Semi-Dump Truck Construction Hauling

© 2017 Illinois Department of Transportation

Version: 1.1.27.5458

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: 815-455-5100

Position: _____ E-mail address: estimating@currancontracting.com

Signature: _____ Date: January 10,2020

Illinois Tollway

DBE FORM 2023

Good Faith Efforts Contacts Log for Soliciting - DBE Participation: Form 2023 continued

Project name: Advanced Earthwork, Drainage & Retaining Wall Construction

Project number: I-18-4707

Bidder name: Curran Contracting Company

Contact person: Nick Schram

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: 815-455-5100

Position: _____

E-mail address: estimating@currancontracting.com

Signature: _____

Date: January 10, 2020

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.

Tollway Contract #: I-18-4704

Prime: Curran Contracting Company

Date: January 10, 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)												
Supervisors												
Foremen	16				1							
Clerical												
Equipment Operators	32	2	1									
Mechanics												
Truck Drivers	30	2			9							
Ironworkers	2											
Carpenters	2											
Cement Masons	4											
Electricians	2											
Pipefitters, Plumbers												
Painters												
Laborers, Semi-Skilled	2											
Laborers, Unskilled	41	6	1	1	11	2						
TOTAL	131	10	2	1	21	2						

TABLE B

CURRENT EMPLOYEES TO BE ASSIGNED TO CONTRACT

TOTAL EMPLOYEES		MINORITY EMPLOYEES	
M	F	M	F
16		1	
32	2	1	
30	2	9	
2			
2			
4			
2			
2			
41	6	12	3
131	10	23	3

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								
On-The-Job Trainees								

* 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) 0 new hires would be recruited from the area in which the contract project is located; and/or (number) 0 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) 40 persons will be directly employed by the prime contractor and that (number) 91 persons will be employed by subcontractors.

Company Curran Contracting Company Telephone Number 815-455-5100

286 Memorial Court

Address Crystal Lake, IL 60014

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			

	✓ CHECK THE CORRECT BOX												ENTER HOURS AND COUNT			
Job Category	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 **3%** 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 atwww.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 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 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 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: 1/10/2020

To: Contact Name: Nich Schram
Contractor Company Name: Curran Contracting Company

From Graciela Perez
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:** 1/10/2020 **Revision #** 0

Contract # I-18-4704 **Established VOSB Goal:** 2.00 %

Contract Description: Western Access Tollway (I-490) Advance Earthwork, Drainage and Retaining Wall Construction, Devon Ave to South of Touhy Ave, MP 4.3 to MP 5.6

[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 **$42,608,248.00**

VOSB Firm Name	Status (SB/Sup/TK)	Type	Scope	Contract Amount	Credit Amount	Credit %	Certifying Agency	Gender	Ethnicity
E.R. Bakey, Inc.	Trucker	VOSB	Trucking	$62,630.00	$62,630.00	0.14 %	CMS	M	Caucasian
Industrial Fence, Inc.	SB	VOSB	Fencing	$789,538.61	$789,538.61	1.85 %	CMS	M	Hispanic
Total # of subcontracts: 2			**TOTAL**	**$852,168.61**	**$852,168.61**	**2.00 %**			
Total # of subcontractors: 2			**Total %**	**2.00 %**	**2.00 %**				

ILLINOIS STATE TOLL HIGHWAY AUTHORITY
VOSB FORM 2026 - UTILIZATION PLAN

PRIME CONTRACTOR: Curran Contracting Company
CONTACT NAME: Nick Schram
CONTACT PHONE NUMBER: 815-455-5100
CONTACT E-MAIL: estimating@currancontracting.com

CONTRACT NUMBER I-18-4704

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.
E R Baker	Mulching	62,630.00
Midwestern Fence Inc	Fence	789,581
	TOTAL	852,861

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-18-4704

VOSB FIRM NAME:	Industrial Fence Inc.
CHECK ALL THAT APPLY:	VOSB [X] SDVOSB [ ]

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 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 whether furnish only or both furnish and install	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL VOSB CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	See attached quote					
	TOTALS FOR THIS VOSB FIRM:					$789,538.61

*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 #JS671010, 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 contractitem(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 madewithout 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 ofDiversity 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 PrimeContractor 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 thanthree 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 STATEOF ILLINOIS VETERAN SMALL BUSINESS PARTICIPATION AND UTILIZATION PLAN and can subject the contractor to contract sanctions.**

[redacted] VICE PRESIDENT 1/10/2020

Signature for Prime Contractor — Title — Date

Contact: NICK SCHREAM

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] President 01/09/20

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. Kilbourn Avenue Chicago, IL 60623

REVISED

INDUSTRIAL FENCE INC.

Manufactured in the USA. Veteran & Minority Owned.

IFI Bid Proposal

GC: General Contractor
Contact: Estimating
Phone:
Email:

Estimate Date: 01/10/2020
Work Order No: E20001
Project Name: ISTHA I-18-4704

Description	Unit	Quantity	Unit Price	Total Price
10 Chain Link Fence				
66400505 CH LK FENCE 8	LF	3,771.00	29.07	109,622.97
X2011000 Temporary Fence (Special)	LF	4,515.00	13.54	61,133.10
X6640308 CH LK GATES SPL	LF	1.00	6,150.73	6,150.73
X6640500 Chain link Gate Assembly (Special)	LF	8.00	15,650.23	125,201.84
X6640570 CH LK FENCE 8 SPL	LF	556.00	41.64	23,151.84
Z0022800 FENCE REMOVAL	LF	9,473.00	6.16	58,353.68
Z0055905 TEMP CONSTR FENCE	LF	4,204.00	6.48	27,241.92
JF664001 Airport Fence Type C	LF	2,601.00	40.29	104,794.29
JF664002 Airport Fence Gate Type C	EA	3.00	6,003.73	18,011.19
JI664305 - Right Of Way Fence (ROW) Ty 1 6'	LF	12,151.00	14.08	171,086.08
JI664310 Corner Post ROW Ty 1	EA	15.00	468.95	7,034.25
JI664315 Pull Pst ROW Ty 1	EA	17.00	468.95	7,972.15
JI664320 End Pst ROW Fence Ty1	EA	5.00	468.95	2,344.75
JI664335 Dbl Veh Gate ROW TY 1	EA	7.00	2,328.73	16,301.11
JT132017 Control Gate with Panel	EA	2.00	22,041.38	44,082.76
				$782,482.66
60 Other				
X2200003 Fence (Special)	LF	55.00	128.29	7,055.95
				$7,055.95
Totals				$789,538.61

Notes:
Any dirt work for fence special or airport fence is not included
All electrical work for control gate and gate assembly special by others

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 Fence, Inc. we value your business and recognize the importance of service, quality and value.

Exclusions:

1300 S. Kilbourn Ave. Chicago, IL 60623 Tel 773.521.9900 Fax 773.521.9904 www.industrialfenceinc.com

INDUSTRIAL FENCE INC.

Manufactured in the USA. Veteran & Minority Owned.

IFI Bid Proposal

GC: General Contractor

Contact: Estimating

Phone:

Email:

Estimate Date: 01/10/2020

Work Order No: E20001

Project Name: ISTHA I-18-4704

- 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

1300 S. Kilbourn Ave. Chicago, IL 60623 Tel 773.521.9900 Fax 773.521.9904 www.industrialfenceinc.com

CMS
ILLINOIS JB Pritzker, Governor
DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
Janel L. Forde, Acting Director

June 24, 2019

Mr. Miguel A. Saltijeral
Industrial Fence, Inc.
1300 S. Kilbourn Ave
Chicago, IL 60623

Dear Miguel A. Saltijeral:

Re: Veteran Owned Small Business (VOSB)
SDVOBE Certification Approval
Certification Term Expires: June 21, 2020

Congratulations! After reviewing the information you supplied, we are pleased to inform you that your firm has been granted certification as a Veteran Owned Small Business (VOSB) under the Veterans Business Program (VBP).

The VBP accepts the United States Department of Veteran Affairs – Center for Veterans Enterprise's certification regarding your business status. This outside certification is in effect with the State of Illinois as long as it is valid with the United States Department of Veteran Affairs – Center for Veterans Enterprise.

At least 15 days prior to the anniversary day of your certification, you will be notified by BEP through email to update your certification as a condition of continued certification. It is your responsibility to ensure that the contact email address listed in the system is accurate and up to date and that the email account is checked regularly so that you do not miss any important notifications. In addition, should any changes occur in ownership and/or control of the business or other changes affecting the firm's operations, you are required to notify the VBP within two weeks. Failure to notify our office of changes will result in decertification of your firm.

Your firm's name will appear in the State's Directory as a certified vendor with the VBP in the specialty area(s) of:

NIGP 33000: FENCING
NIGP 33013: FENCING, CHAIN LINK, INCLUDING FABRIC, GATES, PANELS, POSTS AND FITTINGS
NIGP 33032: FENCING, WROUGHT IRON, INCLUDING COMPONENTS
NIGP 33037: FENCING, METAL SLAT AND TUBULAR, INCLUDING COMPONENTS
NIGP 33040: FENCING, ORNAMENTAL
NIGP 57000: METAL: BARS, PLATES, RODS, SHEETS, STRIPS, STRUCTURAL SHAPES, TUBING, AND FABRICATED ITEMS
NIGP 57029: IRON: ANGLES, BANDS, PLATE, SHEETS, ETC.
NIGP 57040: ORNAMENTAL IRONWORK
NIGP 91313: CONSTRUCTION, BRIDGE AND DRAWBRIDGE, INCLUDING RECONSTRUCTION AND REHABILITATION
NIGP 98136: FENCING RENTAL OR LEASE
NIGP 98815: FENCE INSTALLATION, MAINTENANCE AND REPAIR

Your firm will only show up in the database of BEP-certified vendorsunder the NIGP codes listed above, so PLEASE REVIEW THE LIST CAREFULLY TO ENSURE THAT ALL RELEVANT NIGP CODES ARE INCLUDED. Also, please be advised, while this certification does not guarantee you will receive a State contract. Please visit the Vendor Registration page on www.opportunities.illinois.gov and be sure to register with each of the procurement bulletins listed that you are notified of upcoming solicitations in your NIGP codes. Certification with the Business Enterprise Program does not ensure you receive notifications; you must also register with the Procurement Bulletins.

Thank you for your participation in the VBP. We welcome your participation and wish you continued success.

Sincerely,



Carlos Gutiérrez
Certification Manager
Veterans Business Program

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 Ext. 122**
FAX	**773-521-9923**
EMAIL	**msaltijeral@industrialfenceinc.com**
WEBSITE	**http://www.industrialfenceinc.com**
ETHNICITY	**Hispanic**
GENDER	**Male**
COUNTY	**Cook (IL)**

Map This Address

Certification Information

CERTIFYING AGENCY	**State of Illinois Central Management Services**
CERTIFICATION TYPE	**VOSB - Veteran Owned Small Business**
RENEWAL DATE	**6/21/2021**
EXPIRATION DATE	**6/21/2024**
CERTIFIED BUSINESS DESCRIPTION	**Fencing, Chain Link, Including Fabric, Gates, Panels, Posts and Fittings,** **Fencing, Wrought Iron, Including Components,** **Fencing, Metal Slat and Tubular, Including Components,** **Fencing, Ornamental,** **METAL: BARS, PLATES, RODS, SHEETS, STRIPS, STRUCTURAL SHAPES, TUBING, AND FABRICATED ITEMS,** **Iron: Angles, Bands, Plate, Sheets, etc.,** **Ornamental Ironwork,** **Construction, Bridge and Drawbridge, Including Reconstruction and Rehabilitation,** **Fencing Rental or Lease,** **Fence Installation, Maintenance and Repair,**

Commodity Codes

Code	Description
NIGP 33000	FENCING
NIGP 33013	Fencing, Chain Link, Including Fabric, Gates, Panels, Posts and Fittings

NIGP 33032	Fencing, Wrought Iron, Including Components
NIGP 33037	Fencing, Metal Slat and Tubular, Including Components
NIGP 33040	Fencing, Ornamental
NIGP 57000	METAL: BARS, PLATES, RODS, SHEETS, STRIPS, STRUCTURAL SHAPES, TUBING, AND FABRICATED ITEMS
NIGP 57029	Iron: Angles, Bands, Plate, Sheets, etc.
NIGP 57040	Ornamental Ironwork
NIGP 91313	Construction, Bridge and Drawbridge, Including Reconstruction and Rehabilitation
NIGP 98136	Fencing Rental or Lease
NIGP 98815	Fence Installation, Maintenance and Repair

Additional Information

REGION	**Metro Chicago**

Illinois State Toll Highway Authority "ISTHA"

VOSB FORM 2025 - VOSB PARTICIPATION STATEMENT FORM, PART 2

CONTRACT #	I-18-4704

VOSB FIRM NAME:	E.R. BAKEY INC
CIRCLE ALL THAT APPLY:	(VOSB) (SDVOSB)

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 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 whether furnish only, or both furnish and install.	QUANTITY	UNIT PRICE	TOTAL CONTRACT AMOUNT ($)	CHECK IF SUPPLIER	TOTAL VOSB CREDIT AMOUNT ($) (reduce to 60% of contract amount if firm is a SUPPLIER)
	trucking			62,630.00		62,630.00
			TOTALS FOR THIS VOSB FIRM:	62,630.00		$62,630.00

*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 #JS671010, 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 contractitem(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 madewithout 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 ofDiversity 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 PrimeContractor 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 thanthree 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 STATEOF ILLINOIS VETERAN SMALL BUSINESS PARTICPATION AND UTILIZATION PLAN and can subject the contractor to contract sanctions.**

[redacted] VICE PRESIDENT 1/10/2020

Signature for Prime Contractor | Title | Date

Contact: NICK SCHRAM

Firm Name: Curran Contracting Company

E-mail: estimating@currancontracting.com

Phone: 815-455-5100

Address: 286 Memorial Ct., Crystal Lake, IL 60014

[redacted] President 8 JAN 20

Signature for VOSB Contractor | Title | Date

Contact: ERIC R. BAKEY

Firm Name: E.R. BAKEY INC

E-mail: ERICBAKEY AT ERBAKEY.COM

Phone: 847.464.5700

Address: 180 S WESTERN AVE Lamperkville, IL 60110

E. R. BAKEY INC

180 S. Western, Ave, Ste 158
Carpentersville, Illinois 60110
847.464.5700

Bid Proposal – ISTHA_I_18_4704 Devon Ave- Touhy Ave I-490

SCOPE OF SERVICES

We are pleased to submit the following Trucking proposal for your review and acceptance. E.R. Bakey shall furnish supervision, labor, materials and equipment for the Project and Scope of Services for the above referenced project.

Hourly Trucking $115.00 per hour. All Cartage or "By the Load" hauls are to be given priority attention. After 15 minutes wait time applies at $115.00 per hour.

Payment for all trucking, Net 30. 2% discount Net 10. No Retainage.

NOTES.

1. Quotation is based upon straight time at $115.00 per hour. Holidays or premium time is not included. 6 Hour Minimum with 1 hour of travel. Tolls and Travel (due net 10) will be invoiced separately with weekly IPASS reports.
2. Quotation is based upon "normal" trucking. Normal trucking does not include abusing the equipment beyond its normal intended use
3. E. R. Bakey can mobilize and begin work within three (3) days of receipt of a Notice to Proceed.
4. If fuel prices escalate above $3.50 per gallon, the terms and conditions of the attached escalation sheet shall be in effect. A 2% increase for all Trucking Rates in 2021.
5. Pricing is good for thirty- (30) days.

State Board of Election #25849
IL Department of Human rights #123631-00
IPG Registration No #20315634
FEIN #43-1985943
We are a Certified Service Disabled Veteran Owned Small Business.

SDVOSB

If you have any questions, or if I may be of additional service to you, please do not hesitate to call me at (847) 464-5700

Eric Bakey
Eric Bakey

January 8, 2019 Date

Payment Terms
Terms Balance due (2%10 – net 30) of week ending. Monthly progress payments if necessary. Finance charge of 4 ½ % per month on the unpaid balance.

FUEL ESCALATION CLAUSE

The fuel index is based on the retail price of diesel as listed on the Federal Energy Administration website for the US Midwest (PADD2) District (www.eia.gov/petroleum/gasdiesel/). This index is updated weekly and will apply to trucking provided during the previous calendar week (Monday thru Sunday). Should the Department of Energy cease publication of this index, it shall be replaced with a comparable index that is mutually satisfactory.

Calculation:

When the fuel index exceeds $3.50 per gallon, an adjustment shall be made for each billable hour of $2.00 or a 2.5% increase per billable ton for each $0.25 fuel increase increment after the index exceeds $3.50 per gallon.

Index Cost	Per Hour Adjustment	Per Tn Adjustment
$3.50-$4.24	$2.00	2.5%
$4.25-$4.49	$3.00	3.5%
$4.50-$4.74	$4.00	4.5%
$4.75-$4.99	$5.00	5.5 %
$5.00-$5.25	$7.00	7.5 %

Signature of Acceptance _____

CMS

ILLINOIS
DEPARTMENT OF CENTRAL MANAGEMENT SERVICES

February 8, 2019
Certification Term Expires: February 8, 2020

Mr. Eric Bakey
E.R. BAKEY INC.
180 S. WESTERN AVE# 158
CARPENTERSVILLE, IL 60110

Re: Service Disabled Veteran Owned Small Business (SDVOSB)
Dear Eric Bakey:

Congratulations! After reviewing the information that you supplied, we are pleased to inform you that your firm has been granted certification as a Service Disabled Veteran Owned Small Business (SDVOSB) under the Business Enterprise Program (BEP) for Minority, Females, and Persons with Disabilities

This certification is in effect with the State of Illinois until the date specified above. Please note that you have been granted certification under the Recognition Application because you are certified with one of our partner organizations and, as such, must recertify each year.

At least 15 days prior to the anniversary date of your certification, you will be notified by BEP through email to update your certification as a condition of continued certification. It is your responsibility to ensure that the contact email address listed in the system is accurate and up to date and that the email account is checked regularly so that you do not miss any important notifications. In addition, should any changes occur in ownership and/or control of the business, in the business' certification status with the partner organization, or other changes affecting the firm's operations, you are required to notify BEP within two weeks. Failure to notify our office of changes will result in decertification of your firm

Your firm's name will appear in the State's Directory as a certified vendor with the Business Enterprise Program in the specialty area(s) of:

NIGP 91051: MASONRY, CONCRETE, AND STUCCO MAINTENANCE, FINISHING, AND REPAIR SERVICES INCLUDING INSIDE CONCRETE SAWING AND GROUTING WORK
NIGP 91345: CONSTRUCTION, SEWER AND STORM DRAIN
NIGP 91356: CONSTRUCTION, UTILITY AND UNDERGROUND PROJECTS
NIGP 92678: REMEDIATION SERVICES, ENVIRONMENTAL, INCLUDING REHABILITATION SERVICES HAZARDOUS WASTE AND MOLD REMEDIATION
NIGP 95896: WASTE MANAGEMENT SERVICES
NIGP 96155: MINING AND QUARRYING SERVICES
NIGP 96239: HAULING SERVICES
NIGP 96286: TRANSPORTATION OF GOODS, SHIPPING AND HANDLING, AND OTHER FREIGHT SERVICES
NIGP 96832: DEMOLITION
NIGP 96839: EXCAVATING
NIGP 96869: SEWER MAINTENANCE AND REPAIR
NIGP 96871: SOLID OR LIQUID WASTE DISPOSAL, INCLUDING MANAGEMENT SERVICES. (SEE 926-45 FOR HAZARDOUS WASTE DISPOSAL)
NIGP 96872: SNOW AND ICE REMOVAL SERVICES
NIGP 96888: TREE AND SHRUB REMOVAL SERVICES
NIGP 98852: LANDSCAPING, INCLUDING DESIGN, FERTILIZING, PLANTING, ETC., NOT GROUNDS MAINTENANCE OR TREE TRIMMING SERVICES

Your firm will only show up in the database of BEP-certified vendors the NIGP codes listed above, so PLEASE REVIEW THE LIST CAREFULLY TO ENSURE THAT ALL RELEVANT NIGP CODES ARE INCLUDED.

Also, please be advised that this certification does not guarantee that you will receive a State contract. Please visit the Vendor Registration page on www.opportunities.illinois.gov and be sure to register with each of the Procurement Bulletins listed so that you are notified of upcoming solicitations in your NIGP codes. Certification with the Business Enterprise Program does not ensure you receive notifications; you must also register with the Procurement Bulletins.

Thank you for your participation in the Business Enterprise Program. We welcome your participation and wish you continued success.

Sincerely,

[redacted]

Carlos Gutiérrez
Certification Manager
Business Enterprise Program

Certified Profile

CLOSE WINDOW

Print

Business & Contact Information

BUSINESS NAME	**E.R. BAKEY INC.**
OWNER	**Mr. Eric Bakey**
ADDRESS	**75 Koppie Dr.** **GILBERTS, IL 60130**
PHONE	**847-464-5700**
FAX	**847-464-5727**
EMAIL	**ericbakey@erbakey.com**
WEBSITE	**http://www.erbakey.com**
ETHNICITY	**Caucasian**
GENDER	**Male**
COUNTY	**Kane (IL)**

Map This Address

Certification Information

CERTIFYING AGENCY	**State of Illinois Central Management Services**
CERTIFICATION TYPE	**SDVOSB - Service Disabled Veteran Owned Small Business**
RENEWAL DATE	**2/26/2021**
EXPIRATION DATE	**2/26/2021**
CERTIFIED BUSINESS DESCRIPTION	**NIGP 91356 Construction, Utility and Underground Projects** **NIGP 95896 Waste Management Services** **NIGP 96239 Hauling Services** **NIGP 96832 Demolition** **NIGP 96871 Solid or Liquid Waste Disposal, Including Management Services. (See 926-45 for Hazardous Waste Disposal)** **NIGP 96872 Snow and Ice Removal Services** **NIGP 96888 Tree and Shrub Removal Services** **NIGP 98852 Landscaping, Including Design, Fertilizing, Planting, etc., Not Grounds Maintenance or Tree Trimming Services**

Commodity Codes

Code	Description
NIGP 91356	Construction, Utility and Underground Projects
NIGP 95896	Waste Management Services
NIGP 96239	Hauling Services

NIGP 96832	Demolition
NIGP 96871	Solid or Liquid Waste Disposal, Including Management Services. (See 926-45 for Hazardous Waste Disposal)
NIGP 96872	Snow and Ice Removal Services
NIGP 96888	Tree and Shrub Removal Services
NIGP 98852	Landscaping, Including Design, Fertilizing, Planting, etc., Not Grounds Maintenance or Tree Trimming Services

Additional Information

REGION	**Metro Chicago**
RECIPROCAL CERTIFICATION AGENCY	**CVE**



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: 815-455-5100

Position: _____ E-mail address: estimating@currancontracting.com

Signature: _____ Date: January 10, 2020

VOSB FORM 2023

Good Faith Efforts Contacts Log for Soliciting - VOSB Participation: Form 2023 continued

Project name: Advanced Earthwork, Drainage & Retaining Wall Construction

Project number: I-18-4704

Bidder name: Curran Contracting Company

Contact person: Nick Schram

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: _____

Position: _____

Signature: _____

Phone contact: 815-455-5100

E-mail address: estimating@currancontracting.com

Date: January 10, 2020

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-18-4704

CONTRACTOR/CONSULTANT NAME: Curran Contracting Company

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 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, 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

Curran Contracting Company 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."
	N/A
	ADDITIONAL TERMS AND CONDITIONS
New Provision(s), # et. seq.	**Section/Subsection New Number, Title of New Subsection**: State the new additional term or condition.
	N/A

_____ hereby agrees to the exceptions provided by _____and to the Additional Terms and Conditions provided by _____.

Agreed:	Curran Contracting Company	Agreed:	
By:	Nick Schram	By:	
Signed:	[redacted]	Signed:	
Position:	Vice President	Position:	
Date:	January 8, 2020	Date:	

Sub-Contractor/Consultant Information/Delinquent Debt Review
Contractor/Consultant
Sub-Contractor/Consultant
FEIN

Date: January 10, 2020 **Project Number:** I-18-4704

Project Name: WESTERN ACCESS TOLLWAY (I-490), ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6

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: Curran Contracting Company

Federal Employment Identification Number (FEIN): [redacted]

E-Mail: estimating@currancontracting.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 Paid (to extent known) Sub-Contractor (dollar value) or Sub-Consultant (percentage)
SEE ATTACHED				

Signature: [redacted] **Date:** January 8, 2020

Printed Name: Nick Schram

Sub-Contractor(s)/Consultant(s)	Sub- Contractor/Consultant FEIN	Address	General Type of Work	Anticipated Amount of Contract to be Paid (to extent known) Sub- Contractor (dollar value) or Sub-Consultant (percentage)
II in One Contractors	[redacted]	4344 W. 45th St., Chicago IL 60632	Erect Reinforcing Steel	$ 928,000.00
ABI Construction LLC	[redacted]	1N069 Harriet St., Carol Stream IL 60188	PCC Concrete	$ 176,269.00
Atlantic Painting Co., Inc.	[redacted]	10019 Southwest Highway, Oak Lawn IL 60453	Painting	$ 212,310.00
Alpine Demo	[redacted]	3515 Stern Ave., St. Charles IL 60174	Demolotion	$ 402,200.00
Archon Construction co., Inc.	[redacted]	563 S. Rt. 53, Addison IL 60101	Layout CCDD Testing	$ 5,684,173.00
Maintenance Coatings Co.	[redacted]	543 Woodbury St., South Elgin IL 60177	Pavement Marking/Signing	$ 63,509.00
Material Solutions Laboratory	[redacted]	1040 Bonaventure Dr., Elk Grove Village IL 60007	QC Testing	$ 900,000.00
Ruizscape Construction, Inc.	[redacted]	43W471 Bahr Rd., Hampshire IL 60140	Landscape	$ 1,213,951.00
Torres Electrical Contractors LLC	[redacted]	25261 Sunderlin Rd., Plainfield IL 60585	Electric	$ 957,046.00
Aurora Brick Cleaners	[redacted]	12342 Mitchel Dr., Plano IL	Masonry	$ 1,943,300.00
Dekayo Corp dba Ortiz Contracting Group	[redacted]	9308 Gulfstream Rd., Frankfort IL 60423	HVAC	$ 219,000.00
MTC Moreno's Inc.	[redacted]	2804 Foliage Lane, Rockford IL 61109	Trucking	$ 631,000.00
E.R. Bakey, Inc.	[redacted]	180 S. Western Ave., Suite 158, Carpentersville IL 60110	Trucking	$ 62,630.00
Industrial Fence, Inc.	[redacted]	1300 S. Kilbourn Ave., Chicago IL 60623	Fence / Guardrail	$ 789,538.61
Amber Mechanical	[redacted]	11950 S. Central Ave., Alsip IL 60803	HVAC	$ 400,000.00
Superior Construction Co., Inc.	[redacted]	1455 Louis Sullivan Dr., Portage IN 46368	Concrete Structures	$ 12,405,123.00
Tamayo Cartage, Inc.	[redacted]	12750 Caledonia Rd., Belvidere IL 61108	Trucking	$ 155,000.00
Chicagoland Truckin' Inc.	[redacted]	5494 W. Roosevelt Rd., Chicago IL 60644	Trucking	$ 155,000.00
RC Wegman Construction Co.	[redacted]	750 Morton Ave., Aurora IL 60506	Building Construction	$ 2,058,300.00
				$ 29,356,349.61



Office of the Secretary of State Jesse White
CYBERDRIVEILLINOIS.COM

Corporation/LLC Search/Certificate of Good Standing

LLC File Detail Report

File Number	04665015
Entity Name	CURRAN CONTRACTING LLC
Status	ACTIVE

Entity Information

Principal Office
4903 BRYAN PL
DOWNERS GROVE, IL 605150000

Entity Type
LLC

Type of LLC
Domestic

Organization/Admission Date
Monday, 17 March 2014

Jurisdiction
IL

Duration
PERPETUAL

Agent Information

Name

JOSHUA E CURRAN

Address
4903 BRYAN PL.
DOWNERS GROVE , IL 60515

Change Date
Thursday, 2 August 2018

Annual Report

For Year
2020

Filing Date
Saturday, 29 February 2020

Managers

Name
Address
CURRAN, MARY BETH
4903 BRYAN PL
DOWNERS GROVE, IL 605150000

Series Name

NOT AUTHORIZED TO ESTABLISH SERIES

Return to Search

File Annual Report

Adopting Assumed Name

Articles of Amendment Effecting A Name Change

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 ecretary of tate s Office Mon Nov 02 2020

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:05 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:06 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

Curran Contracting Company

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:09 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:09 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

ABI Construction LLC

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:10 **11/02/20**

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:11 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

Alpine Demolition Services, LLC

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:38 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:38 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.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Amber Mechanical

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:14 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:14 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

Archon Construction Co Inc

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:26 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:27 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 13:15 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:15 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

Aurora Brick Cleaners Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:17 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:17 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.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Chicagoland Truckin Incorporated

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:18 **11/02/20**

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:19 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.R. Bakey, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:28 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:28 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.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

II in One Contractors, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:20 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:20 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

Industrial Fence, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:21 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:21 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

Maintenance Coatings Co.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:22 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:23 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.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

Material Solutions Laboratory

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:29 **11/02/20**

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:29 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

MTC Moreno's, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 12:19 10/30/20

ACTION: S

VENDOR NUMBER=[redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 10/30/20 AT 12:19 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

Ortiz Contracting Group DBA Deyako Corporation

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:24 11/02/20

ACTION: S

VENDOR NUMBER=[redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:24 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

RuizScape Construction, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:25 **11/02/20**

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:25 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

Superior Construction Co., Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:30 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:30 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

Tamayo Cartage, Inc.

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 13:31 11/02/20

ACTION: S

VENDOR NUMBER= [redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/02/20 AT 13:31 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

Torres Electrical Contractor's, LLC

OCIS CICIOCP1 OFFSET CONTRACT INQUIRY 07:41 **11/05/20**

ACTION: S

VENDOR NUMBER=[redacted] OFFSET: 00 OF 00
VENDOR NAME: *
CLAIMING AGENCY NUMBER: *
CLAIMING AGENCY NAME: *
CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:
AS OF 11/05/20 AT 07:41 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

R.C. Wegman Construction Co.

Substance Abuse Prevention Program Certification Public Act 95-0635

Contract # I-18-4704 Today's Date 1/8/2020

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.

✔ 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.

Curran Contracting Company — Contractor

Nick Schram, Vice President — 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

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: N/A

Business Name: Curran Contracting Company

Taxpayer Identification Number:

Social Security Number: N/A

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: October 16, 2020 Michael Pachla, Vice President

File Number 5461-730-5

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

CURRAN CONTRACTING COMPANY, A DOMESTIC CORPORATION, INCORPORATED UNDER THE LAWS OF THIS STATE ON APRIL 06, 1987, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE, AND AS OF THIS DATE, IS IN GOOD STANDING AS A DOMESTIC CORPORATION 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* 9TH *day of* JANUARY *A.D.* 2020 .

Authentication #: 2000902476 verifiable until 01/09/2021
Authenticate at: http://www.cyberdriveillinois.com

Jesse White

SECRETARY OF STATE

Certificate of Registration

STATE BOARD OF ELECTIONS

Registration No. 11205

Curran Contracting Company

286 Memorial Court

Crystal Lake IL 60014

Information for this business last updated on:

Friday, February 16, 2018

Certificate produced on Friday, February 16, 2018 at 1:29 PM

Registered
SEAL OF THE STATE BOARD OF ELECTIONS
ILLINOIS
Business

STATE OF ILLINOIS
FORMS B CERTIFICATIONS AND DISCLOSURES

BidBuy Reference #: **20-557THA-ENGCO-B-11525** Procurement/Contract #: I-18-4704

This Forms B may be used when responding to an Invitation for Bid (IFB) or a Request for Proposal (RFP) if the vendor is registered in the Illinois Procurement Gateway (IPG) and has an active State of Illinois Vendor Registration Number. The IPG assigns a unique State of Illinois Vendor Registration Number and expiration date upon the Chief Procurement Office's acceptance of an IPG application.

If a vendor does not have an active State of Illinois Vendor Registration Number, then the vendor must complete and submit Forms A with their response. Failure to do so may render the submission non-responsive and result in disqualification.

Please read this entire section and provide the requested information as applicable. All parts in Forms B must be completed in full and submitted along with the vendor's response.

1. Certification of Illinois Procurement Gateway Registration

My business has an active State of Illinois Vendor Registration Number.

To ensure that you have an active registration in the IPG, search for your business name in the IPG Registered Vendor Directory. If your company does not appear in the search results, then you do not have an active IPG registration.

State of Illinois Vendor Registration Number: IPG-0368879

IPG Expiration Date: 03/05/2021

2. Certification Timely to this Solicitation or Contract

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).
☒ Yes ☐ No

3. Disclosure of Lobbyist or Agent (Complete only if bid, offer, or contract has an annual value over $50,000)

Is your company or parent entity(ies) represented by or do you or your parent entity(ies) 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 an agent 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. ☐ Yes ☒ No

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. Additional rows may be inserted into the table or an attachment may be provided if needed.

STATE OF ILLINOIS
FORMS B CERTIFICATIONS AND DISCLOSURES

Name	Address	Relationship to Disclosing Entity
N/A	N/A	N/A

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency contract: N/A

4. Disclosure of Current and Pending Contracts

Complete only if: (a) your business is for-profit and (b) the bid, offer, or contract has an annual value over $50,000. Do not complete if you are a not-for-profit entity.

☒ Yes ☐ No. Do you have any contracts, pending contracts, bids, proposals, subcontracts, leases or other ongoing procurement relationships with units of State of Illinois government?

If "Yes", please specify below. Additional rows may be inserted into the table or an attachment in the same format may be provided if needed.

Agency	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
PLEASE SEE ATTACHED				

5. Signature

As of the date signed below, I certify that:

- My business' information and the certifications made in the Illinois Procurement Gateway are truthful and accurate.
- The certifications and disclosures made in this Forms B are truthful and accurate.

This Forms B is signed by an authorized officer or employee on behalf of the bidder, offeror, or vendor pursuant to Sections 50-13 and 50-35 of the Illinois Procurement Code, and the affirmation of the accuracy of the financial disclosures is made under penalty of perjury.

This disclosure information is submitted on behalf of:

Vendor Name: Curran Contracting Company

Street Address: 286 Memorial Court

City, State, Zip: Crystal Lake, IL 60014

Phone: 815-455-5100

Email: estimating@currancontracting.com

Vendor Contact: Michael Pachla

Signature: [redacted]

Date: October 16, 2020

Printed Name: Michael Pachla

Title: Vice President

Agency	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
ISTHA	I88	Open	$ 83,562,598	RR-16-4254
ISTHA	I88 & IL Rte 47 Interchange	Open	$ 14,058,393	I-16-4274
ISTHA	I90 & IL Rte. 23 Interchange	Open	$ 20,082,766	I-18-4392
ISTHA	I90 Patching	Open	$ 4,938,669	RR-19-4503
ISTHA	I490 Advanced Earthwork	Open	$ 48,248,248	I-18-4704
IDOT	IL Rte 47 Resurfacing	Open	$ 5,280,083	62J20
IDOT	IL Rte 47 & Plato Rd.	Open	$ 3,508,061	62F16
IDOT	Lily Lake Rd.	Open	$ 1,294,604	61F99
IDOT	IL Rte 120 (Rte. 47 to Martin Rd.)	Open	$ 3,512,337	62F91
IDOT	IL Rte 23 (Sycamore to Genoa)	Open	$ 3,661,661	66J41
IDOT	DeKalb Taylor Municipal Airport	Open	$ 2,377,144	DK061
IDOT	US 20 (W. Union to Marengo Rd.)	Open	$ 9,727,727	62D36

Vendor Registration: View

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

View All Forms in PDF Download Documents

Vendor Registration

TYPE	**State of Illinois Vendor Registration (Renew/Update)**
DESCRIPTION	**Register to do business with the State of Illinois**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
STATE OF ILLINOIS VENDOR REGISTRATION NUMBER	**IPG-0368879**
REVIEWER	**Maribeth Christmon**
DATE REVIEWED	**3/5/2020**
PUBLIC REVIEW COMMENTS	
PRIVATE REVIEW COMMENTS	
EXPIRATION DATE	**3/5/2021**
FLAG FORM	**Add Flag**

Settings

SMALL BUSINESS SET-ASIDE PROGRAM (SBSP) REGISTERED	**No**
REGISTERING AS A	**Prime & Subcontractor**

Entity Information

BUSINESS NAME	**Curran Contracting Company**
CONTACT FOR THIS SUBMISSION	**Barb Bensinger** (**change contact**)
PRIMARY CONTACT EMAIL	**bbensinger@currancontracting.com**
PHONE	**210-819-6128**
FAX	**210-819-6128**
COMPANY EMAIL	**dhanson@currancontracting.com**
TAX ID NUMBER	[redacted]
COMPANY TYPE	**Corporation**
ADDRESS	**286 Memorial Court** **Crystal Lake, IL 60014** [edit address]

View Vendor Profile

Current Vendor Certifications

No current applicable certifications.

Forms

View	Form Name	Flagged
View	A - B. Business Information & Additional Information	
View	C. Small Business Set-Aside Program	
View	D - E. Department of Human Rights (DHR) & Authorized to do Business in Illinois	
View	F - G. Certifications & Board of Elections	
View	H. Iran Disclosure	
View	I. Financial Disclosure & Conflicts of Interest	

NIGP Codes

NIGP 91240	Demolition Services
NIGP 91244	Excavation Services
NIGP 91310	Construction: Airport Roadway, Runway and Taxiway
NIGP 91327	Construction, Highway and Road
NIGP 91371	Maintenance and Repair, Highway and Roads, Including Removal of Asphalt, Concrete, Bitumens, etc.
NIGP 91375	Maintenance and Repair, Parking Lot and Alley
NIGP 91384	Maintenance and Repair, Streets, Major and Residential
NIGP 91394	Paving and Resurfacing, Alley and Parking Lot
NIGP 91395	Paving and Resurfacing, Highway and Road
NIGP 91396	Paving and Resurfacing, Streets, Major and Residential
NIGP 95826	Construction Management Services

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Document	Status
Curran Contracting Company 03.05.2020 IPG Application Review Sheet.pdf Filename: Curran_Contracting_Company_03.05.2020_IPG_Application_Review_Sheet_20200305105530_8787.pdf	PDF, 2.73 MB Edit Info Delete Attached by Maribeth Christmon

		on 3/5/2020
	Curran Contracting Company 2.21.20 IPG Application Review Sheet.pdf **Filename:** Curran_Contracting_Company_2.21.20_IPG_Application_Review_Sheet_20200221151535_4411.pdf	PDF, 3.14 MB Edit Info Delete Attached by Kim Burton on 2/21/2020

Refresh List after attaching file(s).

Signature

SIGNATURE	**Barbara Bensinger**
TITLE	**Project Manager**
ORGANIZATION	**Curran Contracting Company**
DATE	**2/25/2020**

Copyright © 2020 B2Gnow. All rights reserved.

Vendor Registration: View Form

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

Return to Main Form

View Clean Form in PDF

Vendor Registration

FORM NAME	**A - B. Business Information & Additional Information**
DESCRIPTION	**Complete section A and B, in order to submit this form.**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
BUSINESS NAME	**Curran Contracting Company**
POINT OF CONTACT	**Barb Bensinger**
FLAG FORM	**Add Flag**

A. Business Information

1. YOUR BUSINESS IS REGISTERING AS A	**Prime Contractor and Subcontractor**
2. NAME OF CEO/BUSINESS OWNER	**Rick Noe**
3. ANNUAL SALES/GROSS RECEIPTS	**156,804,823**
4. WHEN WAS YOUR BUSINESS ESTABLISHED?	**04/01/1979**
5. IN WHAT ILLINOIS COUNTY(IES) ARE YOU CONDUCTING BUSINESS?	**The business conducts business statewide.**
6. CONTACT PERSON FOR THIS VENDOR REGISTRATION	**Barb Bensinger**
CONTACT PERSON TITLE	**Contract Administrator**
CONTACT PERSON PHONE	**8154555100**
CONTACT PERSON EMAIL	**bbensinger@currancontracting.com**

B. Additional Information

1. HOW DID YOU LEARN ABOUT THE ILLINOIS PROCUREMENT GATEWAY?	**Chief Procurement Office (CPO)** **State Agency**

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Refresh List after attaching file(s).

Copyright © 2020 B2Gnow. All rights reserved.

Vendor Registration: View Form

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

Return to Main Form

View Clean Form in PDF

Vendor Registration

FORM NAME	**C. Small Business Set-Aside Program**
DESCRIPTION	**Complete the Small Business Set-Aside Program form**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
BUSINESS NAME	**Curran Contracting Company**
POINT OF CONTACT	**Barb Bensinger**
FLAG FORM	**Add Flag**

C. Small Business Set-Aside Program

1. WOULD YOU LIKE TO APPLY/RE-QUALIFY FOR THE SMALL BUSINESS SET-ASIDE PROGRAM?	**No**

Additional Information

STAFF ATTACHED FILE(S) Attach File

Refresh List after attaching file(s).

Copyright © 2020 B2Gnow. All rights reserved.

Vendor Registration: View Form

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

Return to Main Form

View Clean Form in PDF

Vendor Registration

FORM NAME	**D - E. Department of Human Rights (DHR) & Authorized to do Business in Illinois**
DESCRIPTION	**Complete section D and E, in order to submit this form.**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
BUSINESS NAME	**Curran Contracting Company**
POINT OF CONTACT	**Barb Bensinger**
FLAG FORM	**Add Flag**

D. Department of Human Rights (DHR)

1. HIGHEST NUMBER OF EMPLOYEES (INCLUDING FULL AND PART TIME EMPLOYEES) AT ANY TIME DURING THE PAST YEAR	**202**
2. SELECT THE DHR STATUS OF YOUR BUSINESS	**My business had 15 or more employees at any time within the past year.** 95520-00 1/16/2024

E. Authorized to do Business in Illinois

1. IS YOUR BUSINESS REGISTERED AND AUTHORIZED TO DO BUSINESS IN ILLINOIS?	**Yes, registered and in good standing with the Illinois Secretary of State**

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Refresh List after attaching file(s).

Copyright © 2020 B2Gnow. All rights reserved.

Vendor Registration: View Form

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

Return to Main Form

View Clean Form in PDF

Vendor Registration

FORM NAME	**F - G. Certifications & Board of Elections**
DESCRIPTION	**Complete section F - G, in order to submit the form.**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
BUSINESS NAME	**Curran Contracting Company**
POINT OF CONTACT	**Barb Bensinger**
FLAG FORM	**Add Flag**

F. Certifications

1. 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.

Yes

2. THIS APPLIES TO INDIVIDUALS, SOLE PROPRIETORSHIPS, GENERAL PARTNERSHIPS, AND SINGLE MEMBER LLCS, BUT IS NOT OTHERWISE APPLICABLE. VENDOR CERTIFIES HE/SHE IS NOT IN DEFAULT ON AN EDUCATIONAL LOAN. 5 ILCS 385/3

N/A

3. VENDOR CERTIFIES THAT IT HAS REVIEWED AND WILL COMPLY WITH THE DEPARTMENT OF EMPLOYMENT SECURITY LAW (20 ILCS 1005/1005-47) AS APPLICABLE

Yes

4. 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

Yes

5. IF VENDOR HAS BEEN CONVICTED OF A FELONY, VENDOR CERTIFIES AT LEAST FIVE YEARS HAVE PASSED SINCE 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. VENDOR FURTHER CERTIFIES THAT IT IS NOT BARRED FROM BEING AWARDED A CONTRACT. 30 ILCS 500/50-10

Yes

6. 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. 30 ILCS 500/50-10.5

Yes

7. VENDOR CERTIFIES THAT IT AND ITS AFFILIATES ARE NOT DELINQUENT IN THE PAYMENT OF ANY DEBT TO THE UNIVERSITY OR THE STATE (OR IF DELINQUENT, HAVE ENTERED INTO A DEFERRED PAYMENT PLAN TO PAY THE DEBT). 30 ILCS 500/50-11, 50-60

Yes

8. 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. 30 ILCS 500/50-12

Yes

9. 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

Yes

10. 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

Yes

11. VENDOR CERTIFIES IT HAS READ, UNDERSTANDS AND IS NOT KNOWINGLY IN VIOLATION OF THE "REVOLVING DOOR" PROVISION OF THE ILLINOIS PROCUREMENT CODE. 30 ILCS 500/50-30

Yes

12. VENDOR CERTIFIES THAT IF IT HIRES 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 WILL BE BILLED TO THE STATE. 30 ILCS 500/50-38

Yes

13. VENDOR CERTIFIES THAT IT WILL NOT RETAIN 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

Yes

14. 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

Yes

15. 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

Yes

16. VENDOR CERTIFIES THAT IF AWARDED A CONTRACT FOR PUBLIC WORKS, STEEL PRODUCTS USED OR SUPPLIED IN THE PERFORMANCE OF THAT CONTRACT SHALL BE MANUFACTURED OR PRODUCED IN THE UNITED STATES, UNLESS THE EXECUTIVE HEAD OF THE PROCURING AGENCY/UNIVERSITY GRANTS AN EXCEPTION IN WRITING. 30 ILCS 565

Yes

17. IF VENDOR IS AWARDED A CONTRACT WORTH MORE THAN $5,000 AND EMPLOYS 25 OR MORE EMPLOYEES, VENDOR CERTIFIES IT WILL PROVIDE A DRUG FREE WORKPLACE PURSUANT TO THE DRUG FREE WORKPLACE ACT. 30 ILCS 580

Yes

18. IF VENDOR IS AN INDIVIDUAL AND IS AWARDED A CONTRACT WORTH MORE THAN $5,000, 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 PURSUANT TO THE DRUG FREE WORKPLACE ACT. 30 ILCS 580

N/A

19. 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

Yes

20. VENDOR CERTIFIES THAT NO FOREIGN-MADE EQUIPMENT, MATERIALS, OR SUPPLIES FURNISHED TO THE AGENCY/UNIVERSITY UNDER ANY CONTRACT HAVE BEEN OR WILL BE PRODUCED IN WHOLE OR IN PART BY FORCED LABOR OR INDENTURED LABOR UNDER PENAL SANCTION. 30 ILCS 583

Yes

21. VENDOR CERTIFIES THAT NO FOREIGN-MADE EQUIPMENT, MATERIALS, OR SUPPLIES FURNISHED TO THE AGENCY/UNIVERSITY UNDER ANY CONTRACT HAVE BEEN PRODUCED IN WHOLE OR IN PART BY THE LABOR OR ANY CHILD UNDER THE AGE OF 12. 30 ILCS 584

Yes

22. VENDOR CERTIFIES THAT IF AWARDED A CONTRACT INCLUDING INFORMATION TECHNOLOGY, ELECTRONIC INFORMATION, SOFTWARE, SYSTEMS AND EQUIPMENT, DEVELOPED OR PROVIDED UNDER ANY CONTRACT, IT WILL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE ILLINOIS INFORMATION TECHNOLOGY ACCESSIBILITY ACT STANDARDS. 30 ILCS 587

Yes

23. VENDOR CERTIFIES THAT IF IT OWNS RESIDENTIAL BUILDINGS, THAT ANY VIOLATION OF THE LEAD POISONING PREVENTION ACT HAS BEEN MITIGATED. 410 ILCS 45

Yes

24. 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, E-11

Yes

25. 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

Yes

26. 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

Yes

27. 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 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 WHOSE PROCUREMENT AUTHORITY AT ANY TIME DURING THE ONE-YEAR PERIOD PRECEDING THE PROCUREMENT LOBBYING ACTIVITY.

Yes

28. VENDOR CERTIFIES THAT IT HAS READ, UNDERSTANDS AND IS IN COMPLIANCE WITH THE REGISTRATION REQUIREMENTS OF THE ILLINOIS 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.

Yes

29. THIS APPLIES TO INDIVIDUALS, SOLE PROPRIETORSHIPS, GENERAL PARTNERSHIPS, AND SINGLE MEMBER LLCS, BUT IS NOT OTHERWISE APPLICABLE. VENDOR CERTIFIES THAT HE/SHE HAS NOT RECEIVED AN EARLY RETIREMENT INCENTIVE PRIOR TO 1993 UNDER SECTION 14-108.3 OR 16-133.3 OF THE ILLINOIS PENSION CODE OR 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

N/A

G. Board of Elections (BOE)

1. IS YOUR BUSINESS REGISTERED WITH THE BOARD OF ELECTIONS (BOE)?

Yes, I certify my business is registered with BOE.

11205

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Refresh List after attaching file(s).

Copyright © 2020 B2Gnow. All rights reserved.

Vendor Registration: View Form

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

Return to Main Form

View Clean Form in PDF

Vendor Registration

FORM NAME	**H. Iran Disclosure**
DESCRIPTION	**Complete section H, in order to submit this form.**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
BUSINESS NAME	**Curran Contracting Company**
POINT OF CONTACT	**Barb Bensinger**
FLAG FORM	**Add Flag**

H. Iran Disclosure

1. DO YOU OR ANY OF YOUR CORPORATE PARENTS OR SUBSIDIARIES HAVE ANY BUSINESS OPERATIONS THAT MUST BE DISCLOSED?

No business operations to disclose.

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Refresh List after attaching file(s).

Copyright © 2020 B2Gnow. All rights reserved.

Vendor Registration: View Form

Help & Tools

General | Public Profile | Users | Commodity Codes | Contacts & Owners | Comments | Certifications | Site Visits | Registrations | Reports

Curran Contracting Company System Vendor Number: **20227553**

Return to Main Form

View Clean Form in PDF

Vendor Registration

FORM NAME	**I. Financial Disclosure & Conflicts of Interest**
DESCRIPTION	**Complete the Financial Disclosure & Conflicts of Interest form**
DATE SUBMITTED	**2/25/2020**
STATUS	**Accepted**
BUSINESS NAME	**Curran Contracting Company**
POINT OF CONTACT	**Barb Bensinger**
FLAG FORM	**Add Flag**

I. Financial Disclosures & Conflicts of Interest

A. IDENTIFY THE APPLICABLE ENTITY TYPE.

Other Privately Held Entity (i.e. LLC, partnership, privately held corporation with 100 or fewer shareholders, or other entity type not clearly identified in another option)

B. IS THERE A PARENT ENTITY THAT OWNS 100% OF THE BUSINESS?

Yes

Document	Status
Parent Form **IPG Parent Ownership Percentages 2020.pdf (PDF, 0.96 MB)**	**Attached by Barb Bensinger on 2/25/2020**

C. INSTRUMENT OF OWNERSHIP OR BENEFICIAL INTEREST

Corporate Stock (C-Corporation, S-Corporation, Professional Corporation, Service Corporation)

1. IS THERE ANY INDIVIDUAL OR ENTITY WHO MEETS ANY OF THE FOLLOWING THRESHOLDS: (A) OWNS MORE THAN 5% OF THE BUSINESS, (B) HOLDS OWNERSHIP SHARE OF THE BUSINESS VALUED IN EXCESS OF $106,447.20, (C) IS ENTITLED TO MORE THAN 5% OF THE BUSINESS' DISTRIBUTIVE INCOME, OR (D) IS ENTITLED TO MORE THAN $106,447.20 OF THE BUSINESS' DISTRIBUTIVE INCOME?

Yes, the information is not publicly available (If any individuals are listed, answer Yes or No to questions 5-8 and 11-20.)

Document	Status
List of individuals or entities meeting one or more of the listed thresholds. **IPG Percentage of Ownership and Distributive Income Form 02152020.pdf (PDF, 67.87 KB)**	**Attached by Barb Bensinger on 2/25/2020**

2. PLEASE CERTIFY THAT THE FOLLOWING STATEMENT IS TRUE: ALL INDIVIDUALS OR ENTITIES THAT HOLD AN OWNERSHIP INTEREST IN THE BUSINESS OF GREATER THAN 5% OR VALUED GREATER THAN $106,447.20 HAVE BEEN DISCLOSED IN QUESTION

1.

Yes

3. PLEASE CERTIFY THAT THE FOLLOWING STATEMENT IS TRUE: 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 BUSINESS HAVE BEEN DISCLOSED IN QUESTION 1.

Yes

4. DISCLOSURE OF BOARD OF DIRECTORS FOR NOT-FOR-PROFIT ENTITIES.

Not applicable - For-Profit Entity

5. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, ARE ANY OF THEM A PERSON WHO HOLDS AN ELECTIVE OFFICE IN THE STATE OF ILLINOIS OR HOLDS A SEAT IN THE GENERAL ASSEMBLY, OR ARE THEY THE SPOUSE OR MINOR CHILD OF SUCH PERSON?

Not applicable - No individuals disclosed in question 1

6. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, ARE ANY OF THEM 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, OR ARE ANY OF THEM THE SPOUSE OR MINOR CHILD OF SUCH PERSON?

Not applicable - No individuals disclosed in question 1

7. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, ARE ANY OF THEM AN OFFICER OR EMPLOYEE OF THE CAPITAL DEVELOPMENT BOARD OR THE ILLINOIS TOLL HIGHWAY AUTHORITY, OR ARE ANY OF THEM THE SPOUSE OR MINOR CHILD OF SUCH PERSON?

Not applicable - No individuals disclosed in question 1

8. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, ARE ANY OF THEM 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, OR ARE THEY THE SPOUSE OR AN IMMEDIATE FAMILY MEMBER WHO CURRENTLY RESIDES OR RESIDED WITH SUCH PERSON WITHIN THE LAST 12 MONTHS?

Not applicable - No individuals disclosed in question 1

9. IF ANY QUESTION IN 5-8 ABOVE IS ANSWERED YES, PLEASE ANSWER THE FOLLOWING: DO ANY OF THE INDIVIDUALS IDENTIFIED, THEIR SPOUSE, OR MINOR CHILD RECEIVE FROM THE ENTITY MORE THAN 7.5% OF THE ENTITY'S TOTAL DISTRIBUTABLE INCOME OR AN AMOUNT OF DISTRIBUTABLE INCOME IN EXCESS OF THE SALARY OF THE GOVERNOR ($177,412.00)?

Not applicable - I answered No in Questions 5-8

10. IF ANY QUESTION IN 5-8 ABOVE IS ANSWERED YES, PLEASE ANSWER THE FOLLOWING: IS THERE A COMBINED INTEREST OF ANY INDIVIDUAL IDENTIFIED ALONG WITH THEIR SPOUSE OR MINOR CHILD OF MORE THAN 15% IN THE AGGREGATE OF THE ENTITY'S DISTRIBUTABLE INCOME OR AN AMOUNT OF DISTRIBUTABLE INCOME IN EXCESS OF TWO TIMES THE SALARY OF THE GOVERNOR ($354,824.00)?

Not applicable - I answered No in Questions 5-8

11. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM CURRENTLY HAVE, OR IN THE PREVIOUS 3 YEARS HAD STATE EMPLOYMENT, INCLUDING CONTRACTUAL EMPLOYMENT OF SERVICES? THIS DOES NOT INCLUDE CONTRACTS TO PROVIDE GOODS OR SERVICES TO THE STATE AS A VENDOR.

Not applicable - No individuals disclosed in question 1

12. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, HAVE THEIR SPOUSE, FATHER, MOTHER, SON, OR DAUGHTER, HAD STATE EMPLOYMENT, INCLUDING CONTRACTUAL EMPLOYMENT FOR SERVICES, IN THE PREVIOUS 2 YEARS? THIS DOES NOT INCLUDE CONTRACTS TO PROVIDE GOODS OR SERVICES TO THE STATE AS A VENDOR.

Not applicable - No individuals disclosed in question 1

13. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM CURRENTLY HOLD OR HAVE 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?

Not applicable - No individuals disclosed in question 1

14. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM HAVE A RELATIONSHIP TO ANYONE (SPOUSE, FATHER, MOTHER, SON, OR DAUGHTER) HOLDING ELECTIVE OFFICE CURRENTLY OR IN THE PREVIOUS 2 YEARS?

Not applicable - No individuals disclosed in question 1

15. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM HOLD OR HAVE 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?

Not applicable - No individuals disclosed in question 1

16. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM HAVE A RELATIONSHIP TO ANYONE (SPOUSE, FATHER, MOTHER, SON, OR DAUGHTER) HOLDING APPOINTIVE OFFICE CURRENTLY OR IN THE PREVIOUS 2 YEARS?

Not applicable - No individuals disclosed in question 1

17. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM CURRENTLY HAVE OR IN THE PREVIOUS 3 YEARS HAD EMPLOYMENT AS OR BY ANY REGISTERED LOBBYIST OF THE STATE GOVERNMENT?

Not applicable - No individuals disclosed in question 1

18. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM 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?

Not applicable - No individuals disclosed in question 1

19. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM 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?

Not applicable - No individuals disclosed in question 1

20. FOR THE INDIVIDUALS DISCLOSED ABOVE IN QUESTION 1 AND FOR SOLE PROPRIETORS, DO ANY OF THEM 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?

Not applicable - No individuals disclosed in question 1

21. HAS THERE BEEN ANY DEBARMENT FROM CONTRACTING WITH ANY GOVERNMENTAL ENTITY WITHIN THE PREVIOUS TEN YEARS? THIS APPLIES TO ALL SOLE PROPRIETORS, FOR-PROFIT ENTITIES, NOT-FOR-PROFIT ENTITIES, AND FOR THE INDIVIDUALS DISCLOSED IN QUESTION 1 ABOVE.

No

22. HAS THERE BEEN ANY PROFESSIONAL LICENSURE DISCIPLINE WITHIN THE PREVIOUS TEN YEARS? THIS APPLIES TO ALL SOLE PROPRIETORS, FOR-PROFIT ENTITIES, NOT-FOR-PROFIT ENTITIES, AND FOR THE INDIVIDUALS DISCLOSED IN QUESTION 1 ABOVE.

No

23. HAS THERE BEEN ANY BANKRUPTCY WITHIN THE PREVIOUS TEN YEARS? THIS APPLIES TO ALL SOLE PROPRIETORS, FOR-PROFIT ENTITIES, NOT-FOR-PROFIT ENTITIES, AND FOR THE INDIVIDUALS DISCLOSED IN QUESTION 1 ABOVE.

No

24. HAVE THERE BEEN ANY ADVERSE CIVIL JUDGMENTS AND/OR ADMINISTRATIVE FINDINGS WITHIN THE PREVIOUS TEN YEARS? THIS APPLIES TO ALL SOLE PROPRIETORS, FOR-PROFIT ENTITIES, NOT-FOR-PROFIT ENTITIES, AND FOR THE INDIVIDUALS DISCLOSED IN QUESTION 1 ABOVE.

No

25. HAVE THERE BEEN ANY CRIMINAL FELONY CONVICTIONS WITHIN THE PREVIOUS TEN YEARS? THIS APPLIES TO ALL SOLE

PROPRIETORS, FOR-PROFIT ENTITIES, NOT-FOR-PROFIT ENTITIES, AND FOR THE INDIVIDUALS DISCLOSED IN QUESTION 1 ABOVE.

No

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Refresh List after attaching file(s).

Copyright © 2020 B2Gnow. All rights reserved.

ILLINOIS PROCUREMENT GATEWAY
PERCENTAGE OF OWNERSHIP AND DISTRIBUTIVE INCOME FORM

Vendor Name: CURRAN CONTRACTING COMPANY

DBA: Click here to enter text.

INSTRUCTIONS:

1. Ownership Share – 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.

2. Distributive Income – 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.

3. Additional rows may be inserted into the tables or an attachment in a substantially similar format may be provided if needed.

Name	Address	% of Ownership	$ Value of Ownership	% of Distributive Income	$ Value of Distributive Income
CURRAN GROUP INC	286 Memorial Court, Crystal Lake, IL 60014	100	Click here to enter text.	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.	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.

ILLINOIS PROCUREMENT GATEWAY
FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY

This Financial Disclosures and Conflicts of Interest Form must be accurately completed and submitted by the Parent Entity with 100% ownership of the Vendor applying for or holding registration within the Illinois Procurement Gateway. If Parent Entity is 100% owned by another entity ("Parent's Parent Entity"), then the Parent's Parent Entity must complete this disclosure form. This disclosure requirement continues for each successive parent until the level where the parent entity does not have 100% ownership. Parent entities with less than 100% ownership do not need to complete this form.

There are **seven** steps to this form and each must be completed as instructed. The Agency/University will consider this form when evaluating the vendor's bid, offer, or proposal 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.

Vendor Name	Curran Contracting Company
Doing Business As (DBA)	Click here to enter text.
Disclosing Entity	Curran Group, Inc.
Disclosing Entity's Parent Entity	Click here to enter text.
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

You must select one of the six options below and select the documentation you are submitting. You must provide the documentation 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 200 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

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.

Step 2
Option A-Distributive Income
Table X Attachment

Table X – Ownership Share

Name	Address	% of Ownership	$ Value of Ownership
John H. Curran Trust 76-2	[redacted]	54%	N/A
William Curran Trust 76-3		46%	N/A

Step 2
Option B-Distributive Income
Table Y Attachment

Table Y – Distributive Income

Name	Address	% of Distributive Income	$ Value of Distributive Income
Catherine C. Curran	[redacted]	16%	N/A
Patricia Poth		12%	N/A
Sue Rushmore		12%	N/A
Michael Curran		10%	N/A
Cynthia DeTrempe		8%	N/A
William Curran		6%	N/A
Heather Stone		5%	N/A
Elizabeth Curran		5%	N/A
Jennifer Williams		5%	N/A

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
PROHIBITED CONFLICTS OF INTEREST

Step 3 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: Linda E. Curran, Trustee, William Curran, Catherine C. Curran, Patricia Poth, Sue Rushmore, Michael Curran, Cynthia DeTrempe, Heather Stone, Elizabeth Curran, Jennifer Williams.

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% ($354,824.00) 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? ☐ Yes ☐ No

STEP 4
POTENTIAL CONFLICTS OF INTEREST RELATING TO PERSONAL RELATIONSHIPS

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: Linda E. Curran, Trustee, William Curran, Catherine C. Curran, Patricia Poth, Sue Rushmore, Michael Curran, Cynthia DeTrempe, Heather Stone, Elizabeth Curran, Jennifer Williams.

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 5
EXPLANATION OF AFFIRMATIVE RESPONSES

If you answered "Yes" in Step 3 or Step 4, 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.

Click here to enter text.

STEP 6
POTENTIAL CONFLICTS OF INTEREST RELATING TO DEBARMENT & LEGAL PROCEEDINGS

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: Linda E. Curran, Trustee, William Curran, Catherine C. Curran, Patricia Poth, Sue Rushmore, Michael Curran, Cynthia DeTrempe, Heather Stone, Elizabeth Curran, Jennifer Williams and Curran Group, 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. Click here to enter text.

STEP 7
SIGN THE DISCLOSURE

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: Curran Group, Inc.

Signature [redacted] Date: 2/25/20

Printed Name: Jim Lancaster

Title: CFO

Phone Number: 815-455-5100

Email Address: jlancaster@currancontracting.com

Illinois Department of Transportation

Certificate of Eligibility

Contractor No 1305

Curran Contracting Company
286 Memorial Court Crystal Lake, IL 60014

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	$43,900,000
003	HMA PLANT MIX	Unlimited
012	DRAINAGE	$2,900,000
017	CONCRETE CONSTRUCTION	$4,250,000
032	COLD MILL,PLAN. & ROTOMILL	$10,575,000
08A	AGGREGATE BASES & SURF. (A)	$6,375,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 3/28/2019 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 4/2/2019.

[redacted]
Engineer of Construction

IL 494-0645

PART III: CONTRACT REQUIREMENTS

Contract Bond Agreement

Performance Bond

Payment Bond

Insurance

AGREEMENT

CONTRACT NO: I-18-4704

(USE INK ONLY)

This agreement, authorized by the Board of Directors to be entered into in duplicate this 26th day of , March 2020 by and between The Illinois State Toll Highway Authority (hereinafter referred to as the "Tollway"), and Curran Contracting Company

* 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 Crystal Lake, in the State of Illinois (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 Electronic Data Files.
7. The Tollway Supplemental Specifications.
8. The IDOT Supplemental Specifications and Recurring Special Provisions
9. The IDOT Standard Specifications for Road and Bridge Construction.
10. The Bid.
11. The Instructions and Information to Bidders.
12. The Advertisement for Sealed 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-18-4704

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 Executive Director's signature and shall continue until **April 8, 2022**, 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 **April 8, 2024**.

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.

CONTRACT NO: I-18-4704

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-18-4704

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-18-4704
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 Curran Contracting Company at:

286 Memorial Court
Crystal Lake, Illinois 60014

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.*

[redacted]

Agreed By: October 14, 2020
President Date

Rick Noe
Printed Name as Signed Above

ATTEST:

[redacted] (Seal)
Secretary

[redacted]
Printed Name as Signed Above

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

APPROVED:

[redacted] 11/10/2020
Willard S. Evans Jr., Chairman/CEO Date

APPROVED:

[redacted] 11/10/2020
Jose Alvarez, Executive Director Date

APPROVED:

[redacted] 11/10/2020
Cathy R. Williams, Chief Financial Officer Date

APPROVED:

[redacted] 11/09/2020
Kathleen Pasulka-Brown, General Counsel Date

Approved as to Form and Constitutionality

[redacted] 11/09/2020
Attorney General, State of Illinois Date

CORPORATION SIGNATURE FORM

At a meeting on October 14, 2020 **, the Board of Directors**

of Curran Contracting Company **adopted the following Resolution:**
(Name of Corporation)

"BE IT RESOLVED that Michael Leopardo, Joseph Francis, Michael Pachla and Josh Flury **(Name of Individual)**

is hereby authorized, directed and empowered, on behalf of

Curran Contracting Company
(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-18-4704 **."**

I, Kim Bolanowski **, Secretary 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)

October 14, 2020
Date

[redacted]
Secretary

Corporation Signature Form (104.2) 06-18-2014

UNANIMOUS WRITTEN CONSENT OF THE
BOARD OF DIRECTORS OF
CURRAN CONTRACTING COMPANY
(IN LIEU OF SPECIAL MEETING)

The undersigned, being all of the Directors of CURRAN CONTRACTING COMPANY, an Illinois Corporation (the "Corporation"), acting pursuant to the by-laws of the Corporation and Section 7.20 of the Illinois Business Corporation Act, do consent to the taking of the following actions, in lieu of holding a Special Meeting of the Board of Directors, and waive any notice required to be given in connection with such meeting and do approve and adopt the following resolution:

> RESOLVED, that Michael Leopardo, Nicklas Schram, Michael Pachla, and Jeffrey Pennino are each individually authorized to execute and bind this Corporation to all bids, proposals, contracts, and agreements for all construction projects to be performed by the Corporation on behalf of any public or private contracting entity, and that Barbara Bensinger, Natalia Larson, and Kim Bolanowski are each individually authorized to attest as Assistant Secretaries to the signatures of Michael Leopardo, Nicklas Schram, Michael Pachla, and Jeffrey Pennino.

IN WITNESS WHEREOF, the undersigned have executed this Consent and directed that it be placed with the records of the Board of Directors of the Corporation this 5th day of October, 2020.

[redacted]

[redacted]

Michael J. Curran

[redacted]

Catherine C. Curran

Being all of the Directors
of said Corporation.

UNANIMOUS WRITTEN CONSENT OF THE BOARD OF DIRECTORS OF CURRAN CONTRACTING COMPAPNY (IN LIEW OF SPECIAL MEETING)

The undersigned, being all of the Directors of **CURRAN CONTRACTING COMPANY,** an Illinois Corporation (the "Corporation"), acting pursuant to the by-laws of the Corporation and Section 7.20 of the Illinois Business Corporation Act, do consent to the Directors, and waive any notice required to be given in connection with such meeting and do approve and adopt the following resolution:

> RESOLVED, that Rick Noe (President), Michael Pachla (Vice President), Michael S. Leopardo (Vice President) and Joseph Francis (Project Manager) are each individually authorized to execute and bind this Corporation to contracts and agreements related to Contract I-18-4704 with the Illinois State Toll Highway Authority, 2700 Ogden Avenue, Downers Grove, IL 60515, and that Kim Bolanowski (Assistant Secretary), Barb Bensinger (Assistant Secretary) and Natalia Larson (Assistant Secretary) are each individually authorized to attest to the signature of any officer of the Corporation.

IN WITNESS WHEREOF, the undersigned have executed this Consent and directed that it be placed with the records of the Board of Directors of the Corporation this 14th day of October, 2020.

[redacted]
Timothy J. Curran

[redacted]
Michael J. Curran

[redacted]
Catherine C. Curran

Being all of the
Directors of
said Corporation.

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Curran Contracting Company

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☑ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

286 Memorial Court

Requester's name and address (optional)

6 City, state, and ZIP code

Crystal Lake IL 60014

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

[redacted]

or

Employer identification number

[redacted]

Part II Certification

Under penalties of perjury, I certify that:

1. 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
2. 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
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here | **Signature of U.S. person ▶** [redacted] **Date ▶** 1/1/19

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

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

Sales Tax Exemption [redacted]

Expiration date:
03/01/2025

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-18-4704

PERFORMANCE BOND

Bond No. 30097524

KNOW ALL PERSONS BY THESE PRESENTS, That we, Curran Contracting Company,
(Name of Principal)

- ☒ a corporation organized and existing under the laws of the State of IL 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 Continental Casualty Company
(Name of Surety)
a corporation organized and existing under the laws of the State of IL 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 Forty-Eight Million Two Hundred Forty-Eight Thousand Two Hundred Forty-Eight Dollars and Zero Cents ($48,248,248.00), 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 I-18-4704, Western Access Tollway (I-490), Advance Earthwork, Drainage and Retaining Wall Construction
(Insert Contract Number and Description)

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 31st day of March, 2020.

Surety Continental Casualty Company

Address 151 N. Franklin St.
Chicago, IL 60606

By [redacted]
(Seal) Bryan W. Sanestedt, Attorney in Fact

Agent for
Surety Willis Towers Watson Midwest, Inc.

Address 233 South Wacker Drive, Suite 1800
Chicago, IL 60606

Principal Curran Contracting Company

Address 286 Memorial Court
Crystal Lake, IL 60014

By [redacted]
(Signature) (Seal)
Michael Pachla Vice President
(Name & Title)

Attest [redacted]
Corporate Secretary

CURRAN CONTRACTING COMPANY CORP CORPORATE SEAL 1987 ILLINOIS

(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)

NOTARY ACKNOWLEDGMENT OF SURETY:

State of Connecticut

County of Hartford ss.

On this the 31st day of March, 20 20, before me, Aimee Perondine, the undersigned officer, personally appeared Bryan M Caneschi, known to me (or satisfactorily proven) to be the person whose name is subscribed as Attorney-In-Fact for Continental Casualty Company, and acknowledged that s/he executed the same as the act of his/her principal for the purposes therein contained.

In witness whereof I hereunto set my hand.

[redacted]

Signature of Notary Public
Date Commission Expires: May 31, 2022
Aimee Perondine
Printed Name of Notary

AIMEE PERONDINE
NOTARY PUBLIC - CT 174145
MY COMMISSION EXPIRES MAY 31, 2022

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

Donna M Planeta, Joshua Sanford, Aimee R Perondine, Aiza Anderson, Danielle D Johnson, Michelle Anne McMahon, Saykham Chanthasone, Rebecca M Stevenson, Bryan M Caneschi, Tanya Nguyen, Bethany Stevenson, Individually

of Hartford, CT, their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

In Witness Whereof, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 12th day of November, 2019.

Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

[redacted]

Paul T. Bruflat — Vice President

State of South Dakota, County of Minnehaha, ss:

On this 12th day of November, 2019, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.

J. MOHR
NOTARY PUBLIC
SOUTH DAKOTA

My Commission Expires June 23, 2021

[redacted]

J. Mohr — Notary Public

CERTIFICATE

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 31st day of MARCH, 2020.

Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

[redacted]

D. Johnson — Assistant Secretary

Form F6853-4/2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

CONTRACT NO. I-18-4704

PAYMENT BOND

Bond No. 30097524

KNOW ALL PERSONS BY THESE PRESENTS, That we, Curran Contracting Company,
(Name of Principal)

- ☒ a corporation organized and existing under the laws of the State of IL 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 Continental Casualty Company
(Name of Surety)
a corporation organized and existing under the laws of the State of IL 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 Forty-Eight Million Two Hundred Forty-Eight Thousand Two Hundred Forty-Eight Dollars and Zero Cents ($48,248,248.00), 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 I-18-4704, Western Access Tollway (I-490), Advance Earthwork, Drainage and Retaining Wall Construction
(Insert Contract Number and Description)
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 31st day of March, 2020.

Surety Continental Casualty Company

Address 151 N. Franklin St.

Chicago, IL 60606

By [redacted]
(Seal) Bryan McCaneschi, Attorney in Fact

Principal Curran Contracting Company

Address 286 Memorial Court

Crystal Lake, IL 60014

By [redacted]
(Signature) (Seal)

Michael Pachla Vice President
(Name & Title)

CURRAN CONTRACTING COMPANY CORP ★ ILLINOIS CORPORATE SEAL 1987

Agent for
Surety Willis Towers Watson Midwest, Inc.

Address 233 South Wacker Drive, Suite 1800

Chicago, IL 60606

Attest [redacted]
Corporate Secretary

(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)

NOTARY ACKNOWLEDGMENT OF SURETY:

State of Connecticut

County of Hartford ss.

On this the 31st day of March, 20 20, before me, Aimee Perondine, the undersigned officer, personally appeared Bryan M Caneschi, known to me (or satisfactorily proven) to be the person whose name is subscribed as Attorney-In-Fact for Continental Casualty Company, and acknowledged that s/he executed the same as the act of his/her principal for the purposes therein contained.

In witness whereof I hereunto set my hand.

[redacted]

Signature of Notary Public
Date Commission Expires: May 31, 2022
Aimee Perondine
Printed Name of Notary

AIMEE PERONDINE
NOTARY PUBLIC - CT 174145
MY COMMISSION EXPIRES MAY 31, 2022

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company (herein called "the CNA Companies"), are duly organized and existing insurance companies having their principal offices in the City of Chicago, and State of Illinois, and that they do by virtue of the signatures and seals herein affixed hereby make, constitute and appoint

Donna M Planeta, Joshua Sanford, Aimee R Perondine, Aiza Anderson, Danielle D Johnson, Michelle Anne McMahon, Saykham Chanthasone, Rebecca M Stevenson, Bryan M Caneschi, Tanya Nguyen, Bethany Stevenson, Individually

of Hartford, CT, their true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on their behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind them thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of their insurance companies and all the acts of said Attorney, pursuant to the authority hereby given is hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law and Resolutions, printed on the reverse hereof, duly adopted, as indicated, by the Boards of Directors of the insurance companies.

In Witness Whereof, the CNA Companies have caused these presents to be signed by their Vice President and their corporate seals to be hereto affixed on this 12th day of November, 2019.

Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

[redacted]

Paul T. Bruflat — Vice President

State of South Dakota, County of Minnehaha, ss:

On this 12th day of November, 2019, before me personally came Paul T. Bruflat to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company described in and which executed the above instrument; that he knows the seals of said insurance companies; that the seals affixed to the said instrument are such corporate seals; that they were so affixed pursuant to authority given by the Boards of Directors of said insurance companies and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said insurance companies.

J. MOHR
NOTARY PUBLIC SOUTH DAKOTA

My Commission Expires June 23, 2021

[redacted]

J. Mohr — Notary Public

CERTIFICATE

I, D. Johnson, Assistant Secretary of Continental Casualty Company, an Illinois insurance company, National Fire Insurance Company of Hartford, an Illinois insurance company, and American Casualty Company of Reading, Pennsylvania, a Pennsylvania insurance company do hereby certify that the Power of Attorney herein above set forth is still in force, and further certify that the By-Law and Resolution of the Board of Directors of the insurance companies printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said insurance companies this 31st day of MARCH, 2020.

Continental Casualty Company
National Fire Insurance Company of Hartford
American Casualty Company of Reading, Pennsylvania

[redacted]

D. Johnson — Assistant Secretary

Form F6853-4/2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Insurance / Risk Advisory / Employee Benefits

HORTON

October 16, 2020

Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515

RE:Job# 09-20-0001 CONTRACT I-18-4704 WESTERN ACCESS TOLLWAY (I-490) ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6

Dear Sirs:

Please allow this letter to serve as certification of coverage attesting that:

- All provisions of the accepted certificate of insurance and policy binders have been obtained
- All endorsements indicated and attached have been secured from the insurance carrier

Please note our office is the binding agent for all policies listed except the excess liability and pollution/professional liability policies listed on our certificate. For those policies we are the broker for the insurance carrier.

If you have any questions regarding this information please feel free to contact our office.

Sincerely,

[redacted]

Kevin Palmer

Corporate Attorney , Privacy Officer,Vice President and Secretary Corporate Resources

The Horton Group
10320 Orland Parkway / Orland Park, IL 60467
Phone: 708.845.3378 / Fax: 708-845-4378
www.thehortongroup.com / kevin.palmer@thehortongroup.com

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/16/2020

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 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
The Horton Group
10320 Orland Parkway
Orland Park IL 60467

CONTACT NAME Certificates Team
PHONE (A/C, No, Ext) 708-845-3917 **FAX (A/C, No)** 708-845-3001
E-MAIL ADDRESS constructioncerts@thehortongroup.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A Berkley Assurance Company	39462
INSURER B Arch Insurance Company	11150
INSURER C RSUI Indemnity Company	22314
INSURER D National Fire & Marine Insurance Company	20079
INSURER E Endurance American Specialty Insurance Company	41718
INSURER F	

INSURED CURRA-3
Curran Contracting Company
286 Memorial Court
Crystal Lake IL 60014

COVERAGES **CERTIFICATE NUMBER:** 1112303784 **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 CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	GENERAL LIABILITY	Y	Y	41PKG89536	10/1/2020	10/1/2021	EACH OCCURRENCE	$ 5,000,000
	[X] COMMERCIAL GENERAL LIAB LITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 5,000,000
							GENERAL AGGREGATE	$ 5,000,000
	GEN'L AGGREGATE L MIT APPL ES PER:						PRODUCTS - COMP/OP AGG	$ 5,000,000
	[ ] POLICY [X] PRO-JECT [X] LOC							$
B	AUTOMOBILE LIABILITY	Y	Y	41PKG89536	10/1/2020	10/1/2021	COMBINED SINGLE LIMIT (Ea accident)	$ 5,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[X] HIRED AUTOS [X] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
D	[ ] UMBRELLA LIAB [X] OCCUR	Y	Y	42-UMO-308949-02	10/1/2020	10/1/2021	EACH OCCURRENCE	$ 5,000,000
	[X] EXCESS LIAB [ ] CLA MS-MADE						AGGREGATE	$ 5,000,000
	[ ] DED [X] RETENTION $ 25,000							$
B B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPR ETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N [N] If yes, describe under DESCR PTION OF OPERATIONS below	N / A	Y	41WCI89534 - AOS 44WCI89535 - CA, DC, IL, IN, KY, MD, MN MO, OR, TX	10/1/2020 10/1/2020	10/1/2021 10/1/2021	[X] WC STATU-TORY L MITS [ ] OTH-ER	
							E.L. EACH ACC DENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
A C E	Pollution/Professional Excess Liability Excess Liability	Y Y Y	Y Y Y	PCAB-5012823-1020 NHA091460 EXC10004219007	10/1/2020 10/1/2020 10/1/2020	10/1/2021 10/1/2021 10/1/2021	Occurence/Aggregate Limit Limit	$5M / $5M $15M / $15M $15M / $15M

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Additional insured on a primary non contributory basis with respect to general liability, auto liability, excess and pollution liability only when required by written contract. Waiver of subrogation in favor of the additional insureds will apply to general liability, auto liability, workers compensation, excess and pollution liability where permitted by law and only when required by written contract. Excess follows form. General Liability Deductible: $500,000 Each Occurrence

RE: Job# 09-20-0001 CONTRACT I-18-4704 WESTERN ACCESS TOLLWAY (I-490) ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6

The additional insureds are Union Pacific Railroad, Chicago Department of Aviation, Federal Aviation Administration, Illinois Department of Transportation, See Attached...

CERTIFICATE HOLDER

Illinois State Toll Highway Authority
Attn: Risk Management
2700 Ogden Avenue
Downers Grove IL 60515

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
[redacted]

© 1988-2010 ACORD CORPORATION. All rights reserved.

AGENCY CUSTOMER ID: CURRA-3

LOC #:

ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
The Horton Group	Curran Contracting Company 286 Memorial Court Crystal Lake IL 60014
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

Cook County Department of Transportation and Highways, DuPage County Division of Transportation, City of Des Plaines, Elk Grove Village, City of Chicago, Groot Industries Inc., XPO Logistics, MWRDGC, Joint Action Water Agency, The Illinois State Toll Highway Authority together with its officials, directors, and employees, The Consulting Engineer, the Program Management Office (PMO), Project Manager, Design Section Engineer, Design Corridor Manager, Construction Manager, and Construction Corridor Manager

Builders Risk Coverage: Berkley Fire & Marine, Policy Number: MIM 1038316-50, Effective 10/15/2020 – 4/8/2022, Limit: $48,985,108, Deductible: $5,000, Named Insured: The Illinois State Toll Highway Authority

Excess policy no. 42-UMO-308949-02 ($5M Limit)
Excess policy no. NHA091460 ($15M excess of $5M)
Excess policy no. EXC10004219007 ($15M Excess of $20M)

© 2008 ACORD CORPORATION. All rights reserved.

The ACORD name and logo are registered marks of ACORD

Insurance / Risk Advisory / Employee Benefits

HORTON

September 23, 2020

Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515

RE:Job# 09-20-0001 CONTRACT I-18-4704 WESTERN ACCESS TOLLWAY (I-490) ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6

Dear Sirs:

Please allow this letter to serve as certification of coverage attesting that:

- All provisions of the accepted certificate of insurance and policy binders have been obtained
- All endorsements indicated and attached have been secured from the insurance carrier

Please note our office is the binding agent for all policies listed except the excess liability and pollution/professional liability policies listed on our certificate. For those policies we are the broker for the insurance carrier.

If you have any questions regarding this information please feel free to contact our office.

Sincerely,

[redacted]

Kevin Palmer

Corporate Attorney , Privacy Officer,Vice President and Secretary Corporate Resources

The Horton Group
10320 Orland Parkway / Orland Park, IL 60467
Phone: 708.845.3378 / Fax: 708-845-4378
www.thehortongroup.com / kevin.palmer@thehortongroup.com

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

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
ALL PARTIES WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT FOR ANY RAILROAD.	
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" or "personal and 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.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

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 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.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

 © Insurance Services Office, Inc., 2012

2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations**.**

 © Insurance Services Office, Inc., 2012

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
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
ALL PARTIES WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT FOR ANY RAILROAD.	
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" 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".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

© Insurance Services Office, Inc., 2012

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED ONGOING OPERATIONS, OTHER INSURANCE, AND DUTY TO DEFEND AMENDMENT – SCHEDULED RAILROAD

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Scheduled Railroad:	**Designated Job Site:**
ALL RAILROADS WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT RAILROADS INCLUDED UNDER A SEPARATE ADDITIONAL INSURED ENDORSEMENT ISSUED TO A SPECIFIC ENTITY.	ANY LOCATION AS PER WRITTEN CONTRACT

A. Section II – Who Is An Insured is amended to include as an additional insured the Scheduled Railroad shown in the Schedule above, but only with respect to liability for "bodily injury", "property damage" or "personal and 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 Designated Job Site shown in the Schedule above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and

2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to this additional insured, the following additional exclusions apply:

1. This insurance does not apply to "bodily injury" or "property damage" occurring after:

   a. 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

   b. 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.

C. With respect to the insurance afforded to this additional insured, the following is added to **Section III – Limits Of Insurance:**

Includes copyright material of Insurance Services Office, Inc with its permission

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

D. This insurance does not apply to "bodily injury", "property damage' or "personal and advertising injury" arising out of the rendering of or failure to render any professional services by you or any engineer, architect, or surveyor who is either employed by you or performing work on your behalf in such capacity.

Professional services include:

a. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and

b. Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured. If the "occurrence" which caused the 'bodily injury" or "property damage" or the offense which caused the "personal and advertising injury", involved the rendering of or failure to render any professional services by you or any engineer, architect or surveyor who is either employed by you or performing work on your behalf in such capacity.

E. With respect to insurance afforded to this additional insured, the following is added to **b. (1) (a)** of Paragraph **4. Other Insurance** of **Section IV – Commercial General Liability Conditions**:

This insurance is excess over any other insurance, whether primary, excess, contingent or on any other basis that is available to the additional insured shown in the Schedule above. However,

1. This insurance is primary to and will not seek contribution from any other insurance available to an additional insured, other than a Railroad Protective Liability policy, under your policy provided that:
   (a) The additional insured is a Named Insured under such other insurance; and
   (b) You have agreed in writing in a contract or agreement prior to the "occurrence" or "offense" that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured; or

2. If the other insurance is a Railroad Protective Liability policy, this insurance is excess unless there is a written denial of coverage issued under that Railroad Protective Liability Policy.

F. With respect to insurance afforded to this additional insured, the following is added to Paragraph **2. Duties In the Event of Occurrence, Offense, Claim or Suit** of **Section IV – Commercial General Liability Conditions:**

Any additional insured shown in the Schedule above will:

1. Immediately record the specifics of the claim or "suit" and the date received; notify us, and see to it that we receive written notice of the claim or "suit" as soon as practicable; and
2. Notify us of other insurance available to the additional insured

Includes copyright material of Insurance Services Office, Inc with its permission

All other terms and conditions of this Policy remain unchanged.

Issued By: ARCH INSURANCE COMPANY

Endorsement Number:

Policy Number: 41PKG89536

Named Insured: CURRAN GROUP, INC.

Endorsement Effective Date: 10/1/2020

[redacted]

President

Includes copyright material of Insurance Services Office, Inc with its permission

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED COMPLETED OPERATIONS, OTHER INSURANCE, AND DUTY TO DEFEND AMENDMENT – SCHEDULED RAILROAD

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Scheduled Railroad:	**Designated Job Site:**
ALL RAILROADS WHERE REQUIRED BY A WRITTEN CONTRACT EXCEPT RAILROADS INCLUDED UNDER A SEPARATE ADDITIONAL INSURED ENDORSEMENT ISSUED TO A SPECIFIC ENTITY.	ANY LOCATION PER WRITTEN CONTRACT.

A. **Section II – Who Is An Insured** is amended to include as an additional insured Scheduled Railroad shown in the Schedule above, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the Designated Job Site described in the Schedule above performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and

2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to this additional insured, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

C. This insurance does not apply to “bodily injury”, “property damage’ or “personal and advertising injury” arising out of the rendering of or failure to render any professional services by you or any engineer, architect, or surveyor who is either employed by you or performing work on your behalf in such capacity.

Professional services include:

a. The preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; and

b. Supervisory, inspection, architectural or engineering activities.

Includes copyright material of Insurance Services Office, Inc with its permission

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured. If the "occurrence" which caused the 'bodily injury" or "property damage" or the offense which caused the "personal and advertising injury", involved the rendering of or failure to render any professional services by you or any engineer, architect or surveyor who is either employed by you or performing work on your behalf in such capacity.

D. With respect to insurance afforded to this additional insured, the following is added to **b. (1) (a)** of Paragraph **4. Other Insurance** of **Section IV – Commercial General Liability Conditions**:

This insurance is excess over any other insurance, whether primary, excess, contingent or on any other basis that is available to the additional insured shown in the Schedule above. However,

1. This insurance is primary to and will not seek contribution from any other insurance available to an additional insured, other than a Railroad Protective Liability policy, under your policy provided that:
   (a) The additional insured is a Named Insured under such other insurance; and
   (b) You have agreed in writing in a contract or agreement prior to the "occurrence" or "offense" that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured; or

2. If the other insurance is a Railroad Protective Liability policy, this insurance is excess unless there is a written denial of coverage issued under that Railroad Protective Liability Policy.

E. With respect to insurance afforded to this additional insured, the following is added to Paragraph **2. Duties In the Event of Occurrence, Offense, Claim or Suit** of **Section IV – Commercial General Liability Conditions:**

Any additional insured shown in the Schedule above will:

1. Immediately record the specifics of the claim or "suit" and the date received; notify us, and see to it that we receive written notice of the claim or "suit" as soon as practicable; and
2. Notify us of other insurance available to the additional insured

All other terms and conditions of this Policy remain unchanged.

Issued By: ARCH INSURANCE COMPANY

Endorsement Number:

Policy Number: 41PKG89536

Named Insured: CURRAN GROUP, INC.

Endorsement Effective Date: 10/1/2020

[redacted]

President

Includes copyright material of Insurance Services Office, Inc with its permission

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

 © Insurance Services Office, Inc., 2012

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:
All parties where required by written contract
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.

 © Insurance Services Office, Inc., 2008

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Construction Project(s):
Applies to all construction projects of the insured unless otherwise excluded
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** – Coverage **A,** and for all medical expenses caused by accidents under Section **I** – Coverage **C,** which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:

1. A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.

2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage **A,** except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage **C** regardless of the number of:

a. Insureds;

b. Claims made or "suits" brought; or

c. Persons or organizations making claims or bringing "suits".

3. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.

4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.

© Insurance Services Office, Inc., 2008

B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section **I** – Coverage **A,** and for all medical expenses caused by accidents under Section **I** – Coverage **C,** which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:

1. Any payments made under Coverage **A** for damages or under Coverage **C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and

2. Such payments shall not reduce any Designated Construction Project General Aggregate Limit.

C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.

D. If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.

E. The provisions of Section **III** – Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

© Insurance Services Office, Inc., 2008

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - BLANKET

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

Under **Covered Autos Liability Coverage**, the **Who is An Insured** provision is amended to include as an "insured" the person or organization who is required under a written contract to be included as an "insured" under this policy, but only with respect to their legal liability for your acts or omissions or the act or omissions of a person for whom **Covered Autos Liability Coverage** is afforded under this policy.

All other terms and conditions of this policy remain unchanged.

Endorsement Number:

Policy Number: 41PKG89536

Named Insured:

This endorsement is effective on the inception date of this Policy unless otherwise stated herein:

Endorsement Effective Date: 10/01/2020

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

A. The following is added to the **Other Insurance** Condition in the Business Auto Coverage Form and the **Other Insurance – Primary And Excess Insurance Provisions** in the Motor Carrier Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage is primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and

2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

B. The following is added to the **Other Insurance** Condition in the Auto Dealers Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage and General Liability Coverages are primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and

2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such

"insured".

 © Insurance Services Office, Inc., 2016

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
BUSINESS AUTO PHYSICAL DAMAGE COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured:

Endorsement Effective Date: 10/01/2020

SCHEDULE

Name(s) Of Person(s) Or Organization(s):

Any person or organization where waiver of our right to recover is permitted by law and is required by written contract provided such contract was executed prior to the loss

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** Condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

© Insurance Services Office, Inc., 2009

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 anyone not named in the Schedule.

Schedule

Any person or organization where waiver of our right to recover is permitted by law and is required by written contract provided such contract was executed prior to the loss

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Policy No. 41WCI89534 Endorsement No.
Insured Premium

Insurance Company: Arch Insurance Company Countersigned by_____

© 1983 National Council on Compensation Insurance.

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, Program Management Office (PMO), Project Manager, Design Section Engineer, Design Corridor Manager, Construction Manager, and Construction Corridor Manager under Job# 09-20-0001 CONTRACT I-18-4704 WESTERN ACCESS TOLLWAY (I-490) ADVANCE EARTHWORK, DRAINAGE AND RETAINING WALL CONSTRUCTION DEVON AVENUE TO SOUTH OF TOUHY AVENUE MILE POST 4.3 TO MILE POST 5.6
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" or "personal and 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.

However, the insurance afforded to such additional insured:

1. Only applies to the extent permitted by law; and

2. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

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" or "personal and 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.

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage", or the offense which caused the "personal and advertising injury", involved the rendering of or the failure to render any professional services.

© Insurance Services Office, Inc., 2012

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

© Insurance Services Office, Inc., 2012

L. **First Party Claim** means a **Protective Claim** and any other request of us by you for **Mitigation Cost** or for sums arising out of any of the insuring agreements described in the Supplemental Coverage Section of this Policy.

M. **Information Technology Products** means a computer or telecommunication hardware or software product or other electronic product that is used, created, developed or manufactured by or for you, including software updates, service packs and other maintenance releases for such products.

N. **Information Technology Services** means:

1. Consulting on, design of, development of, analysis of, integration of, interface of, modification of and programming of software, hardware, networks, telecommunication systems and electronic or digital devices performed by you or on your behalf for your clients;

2. installation of, training in the use of, support of, servicing of, maintenance of, repair of your **Information Technology Products**;

3. marketing of, selling of, licensing of and distribution of **Information Technology Products**;

4. storage of, warehousing of, mining of and processing of data by you;

5. managing, operating, administering and hosting **Information Technology Products** for your clients; or

6. activities performed on your website(s);

but shall not mean **Information Technology Products**.

O. **Insured** means:

1. the **Named Insured**; or

2. any fully owned subsidiary corporations or subsidiary limited liability companies of the **Named Insured**, of any tier, in the past, as now constituted or hereafter constituted, subject to the limitations in Paragraph 9. of this Definition for the newly acquired or formed entities described therein; or

3. any present or former partner, director, officer, manager, member, shareholder, principal, trustee, or employee of the **Named Insured** solely while acting on behalf of the **Named Insured**, but this Paragraph 3. shall not make any entity an **Insured** solely because of its participation with the **Named Insured** in a legal entity such as a joint venture or limited liability company; or

4. any **Insured** with regard to its participation in a legal entity, including a joint venture or limited liability company, but solely for the **Named Insured's** legal liability arising out of the performance of **Professional Services**, **Contractor Activities**, **Media Activities** or **Information Technology Services** under the respective legal entity, and such legal entity itself, or any other entity other than an **Insured** that is part of the legal entity, are not **Insureds**; or

5. with regard to Coverage C only, any client of the **Named Insured**, or other entity or person, that the **Named Insured** is obligated to name as an additional insured on this Policy pursuant to a written contract, agreement, or permit, executed prior to when the **Pollution Claim** was first made, and solely as respects **Pollution Conditions** resulting from the **Named Insured's** performance of **Contractor Activities**; or

6. any entity which is specifically identified as an **Insured** in the Declarations or by endorsement to this Policy; or

7. the estate, heirs, executors, shareholders, administrators or legal representatives of an **Insured** in the event of such **Insured's** death, incapacity, or bankruptcy, or the spouse or legal domestic partner of any **Insured**, but only to the extent such **Insured** would otherwise be provided coverage under this Policy while acting solely on behalf of the **Named Insured**; or

8. any prior entity that has been reported to us prior to when the **First Party Claim** or **Claim** was first made and whose assets, partners, principals, or shareholders were acquired by the **Named Insured**, and for which the **Named Insured** is required to provide liability insurance under a written contract or

or during any applicable Optional Extended Reporting Period. Reporting should be sent to us at the address stated in the Claims Notice attached to this Policy; and

2. Promptly provide a copy of the **Claim** or **First Party Claim**, if in writing, and specify in the report: the names and addresses of the **Insured** reporting the **Claim** or **First Party Claim**, the persons or entities making the **Claim** or **First Party Claim**, and the persons or entities against whom the **Claim** or **First Party Claim** is made; when the **Claim** or **First Party Claim** was made; the subject of the **Claim** or **First Party Claim**; and any other relevant facts or allegations known to you.

B. Reporting a Circumstance

If during the **Policy Period**, you become aware of a circumstance that may reasonably be expected to give rise to a **Claim** or **First Party Claim** which may be covered under the Policy, and if you, during the **Policy Period**, provide a written report to us at the address stated in the Claim Notice attached to this Policy of the circumstance as soon as practicable containing particulars sufficient to identify you and all reasonably obtainable information with respect to:

1. when and how you first became aware of such circumstance;
2. any act, error, omission asserted or believed to be at issue;
3. the services or activities involved in the circumstance;
4. what happened and the dates and entities involved; and
5. the nature of any alleged or potential **Loss**;

then any **Claim** (except for a **Pollution Claim**) or **First Party Claim** arising out of such circumstance shall be deemed to have been made on the date we received the written report of the circumstance. At our sole discretion and cost, we may elect to investigate any circumstance which is reported; any such costs associated with the investigation of a circumstance prior to a **Claim** being made against you will not be considered **Claim Expense**, will not reduce the applicable Self-Insured Retention and shall be paid by us in addition to the Limit of Liability.

XI. CONDITIONS

A. Territory

The coverage afforded by this Policy applies worldwide.

B. Audit and Inspection

Upon reasonable prior notice, we shall be permitted to audit your final books and records at any time during the **Policy Period**, the Automatic Extended Reporting Period, the Optional Extended Reporting Period, if applicable, and within three years after the final termination of this Policy, as far as they relate to the subject matter of this Policy. We shall also be permitted to inspect, sample, and/or monitor your operations on a continuing basis. Neither our right to make inspections, sample, and/or monitor, nor the actual undertaking thereof, nor any report thereon shall constitute an undertaking, on behalf of us or others, to determine or warrant that your operations are safe, healthful, conform to acceptable practice, or are in compliance with any law, rule, or regulation.

C. Subrogation

In the event of any payment under this Policy, we shall be subrogated to all of your rights of recovery thereof. You shall execute and deliver all requested instruments and papers in furtherance of such rights to us and do whatever else is reasonably necessary to secure such rights. You shall do nothing to waive or prejudice such rights. We shall have priority in any recovery, and any amounts recovered in excess of our total payment and the cost to us of recovery shall be paid to you. However, we waive our rights of subrogation under this Policy against your clients or their designees (except for a **Responsible Entity**) to the extent such a waiver is required by a written contract with you executed prior to the **Claim**.

For Coverage A only, we will not subrogate against a **Responsible Entity** in excess of its collectible

Insured shall also cancel the Automatic Extended Reporting Period and any Optional Extended Reporting Period on the date of cancellation.

4. Notwithstanding the foregoing, if you report a **Claim** or **First Party Claim** to us prior to the date of cancellation, the Policy premium shall be considered 100% earned, and no premium shall be returned upon cancellation.

H. No Limitation of Liability

You shall not limit the liability of any **Responsible Entity**, except to collectible insurance, without our prior written approval.

I. Your Bankruptcy

Your bankruptcy or insolvency shall not relieve us of our obligations under this Policy.

J. Authorization Clause

By acceptance of this Policy, the first **Named Insured** shall be the sole agent of and shall act on behalf of the **Insureds** for all purposes as to the Policy, including but not limited to the payment or return of premium, receipt and acceptance of any endorsement issued to form a part of this Policy, providing and receiving notice of cancellation, termination, or nonrenewal, the giving of notices and reporting of **First Party Claims**, **Claims** and circumstances, for completing applications and the making of any statements or representations, for making any change to the Policy, and for the exercising or declining to exercise any right under this Policy, including the purchase of an Optional Extended Reporting Period.

K. Severability of Policy Provisions

If any material provision or clause of this Policy is declared illegal or unenforceable by any court of competent jurisdiction and cannot be modified to be enforceable, that provision will immediately become null and void, leaving the remainder of this Policy in full force and effect.

L. Severability of Insureds (Coverages B, C, D and E)

Except with respect to the Limits of Liability and Self-Insured Retentions, the Authorization Clause of this Conditions Section and as otherwise provided in this Policy, this insurance applies as if each **Insured** were the only **Insured** and separately to each **Insured** against whom a **Claim** is made.

M. Other Insurance

This Policy is excess over the Self-Insured Retention and any other valid and collectible liability insurance available to you, whether such other insurance is stated to be primary, pro-rata, contributory, excess, contingent, self-insured or otherwise, unless such other insurance is written specifically excess of this Policy by reference in such other policy to the Policy number in this Policy's Declarations. When any other insurance has a duty to defend a **Claim**, we will have no duty to defend the **Claim**; if no such other insurance defends the **Claim**, we will have the right but not the duty to defend the **Claim**.

Under Coverage C only, when you are required by written contract, written agreement, or permit, executed prior to when the **Pollution Claim** was first made, to include any person or entity as an additional **Insured**, such coverage will be provided on a primary and non-contributory basis to the extent so required.

N. Choice of Law

All matters arising from or related to this Policy, including without limitation questions related to the validity, interpretation, performance, and enforcement of this Policy, all forms of contractual, tort and statutory claims, and all remedies and entitlement to costs or attorneys' fees in a dispute over any of the foregoing, shall be determined in accordance with the law and practice of the State of New York (notwithstanding New York's conflicts of law rules).

O. Jurisdiction and Venue

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):
ALL PARTIES WHERE REQUIRED BY A WRITTEN CONTRACT
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" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

© Insurance Services Office, Inc., 2012

ADVANCE COPY

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/20/2020

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 HUB International Midwest Limited 1411 Opus Place, Suite 450 Downers Grove IL 60515	CONTACT NAME: PHONE (A/C, No, Ext): 630-468-5600 FAX (A/C, No): 630-468-5696 E-MAIL ADDRESS: CSUConstruction@hubinternational.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: National Union Fire Insurance Company of Pittsburg	19445
INSURER B: Travelers Property Casualty Company of America	25674
INSURER C: Allied World Assurance Co Inc	19489
INSURER D: Indian Harbor Insurance Company	36940
INSURER E: Endurance American Specialty Insurance Company	41718
INSURER F:	

INSURED
Alpine Demolition Services LLC
3515 Stern Avenue
Saint Charles IL 60174
ALPIDEM-02

COVERAGES **CERTIFICATE NUMBER:** 1607189215 **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 CLAIMS.

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 X XCU Coy Included GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:	Y	Y	5342022	6/1/2020	6/1/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 2,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 4,000,000 $ 4,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY SCHEDULED AUTOS X NON-OWNED AUTOS ONLY	Y	Y	4773677	6/1/2020	6/1/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 2,000,000 $ $ $ $
D E	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 0			SXS0056674 ELD30001711700	6/1/2020 6/1/2020	6/1/2021 6/1/2021	EACH OCCURRENCE AGGREGATE Occ/Agg	$ 5,000,000 $ 5,000,000 $ 5M/$5M
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	025893645	6/1/2020	6/1/2021	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C C B	Pollution Liability (Mold Incl.) Professional Liability Inland Marine	Y		0311-3476 0311-3476 QT6606B265495-TIL-20	6/1/2020 6/1/2020 6/1/2020	6/1/2021 6/1/2021 6/1/2021	Limit: Occ/Agg Limit: Per Claim/Agg EXR Limit/Deductible	$5MM / $5MM $2MM / $2MM $800,000 / $1,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: ISTHA 4704, I-18-4704
Curran Contracting Company, the Illinois State Toll Highway Authority together with its officials, directors, and employees, Union Pacific Railroad, Chicago Department of Aviation, Federal Aviation Administration, Illinois Department of Transportation, Cook County Department of Transportation and Highways, DuPage County Division of Transportation, City of Des Plaines, Elk Grove Village, City of Chicago, Groot Industries Inc., XPO Logistics, MWRDGC, and Joint Action Water Agency are included as additional insureds under Automobile Liability and General Liability, on a primary and non-contributory basis, and Pollution Liability, when agreed in a written contract, subject to policy terms, conditions and exclusions. A waiver of subrogation applies under General Liability and Workers Compensation in favor of the additional insureds listed, when agreed in a written contract, subject to policy terms, conditions and exclusions. Umbrella follows form.

CERTIFICATE HOLDER

Curran Contracting Company
286 Memorial Court
Crystal Lake IL 60014

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
[redacted]

© 1988-2015 ACORD CORPORATION. All rights reserved.

ENDORSEMENT

This endorsement, effective 06/01/2020 12:01 A.M. forms a part of

policy No 5342022 issued to Alpine Demolition Services, LLC

By National Union Fire Insurance Company

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 FORM

SCHEDULE

NAME OF ADDITIONAL INSURED PERSON OR ORGANIZATION:

"Any person or organization whom you become obligated to include as an additional insured as a result of any contract or agreement you have entered into."

LOCATION AND DESCRIPTION OF COMPLETED OPERATIONS:

"Per the contract or agreement."

ADDITIONAL PREMIUM:

(If No entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to the endorsement.)

SECTION II - WHO IS AN INSURED is amended to include as an insured:

The person or organization shown in the Schedule, but only with respect to liability arising out of "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".

All other terms and conditions remain unchanged.

Authorized Representative or Countersignature (in States Where Applicable)

Includes copyrighted material of Insurance Services Office, Inc., with its permission.

ENDORSEMENT

This endorsement, effective 06/01/2020 12:01 A.M. forms a part of

policy No: 5342022 issued to Alpine Demolition Services, LLC

By National Union Fire Insurance Company

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 FORM

SCHEDULE

NAME OF PERSON OR ORGANIZATION:

Any person or organization whom you become obligated to include as an additional insured as a result of any contract or agreement you have entered into." Locations: "Per the contract or agreement."

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to the endorsement.)

A. **SECTION II -WHO IS AN INSURED** is amended to include as an insured;

The person or organization shown in the schedule, but only with respect to liability arising out of your ongoing operations performed for that additional insured.

B. With respect to the insurance afforded to these additional insureds, **SECTION I - COVERAGES, COVERAGE A - BODILY INJURY AND PROPERTY DAMAGE LIABILITY, 2. - Exclusions,** is amended to include the following additional exclusion;

This insurance does not apply to "bodily injury" or "property damage" occurring 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 site 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.

All other terms and conditions remain unchanged.

Authorized Representative or Countersignature (in States Where Applicable)

Includes copyrighted material of

POLICY NUMBER: GL 534-20-22

COMMERCIAL GENERAL LIABILITY
CG 24 17 10 01

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CONTRACTUAL LIABILITY - RAILROADS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Scheduled Railroad:	Designated Job Site:
ANY RAILROAD ORGANIZATION WHOM HAS GRANTED YOU AN EASEMENT FOR ANY JOB SITE TO PERMIT YOU TO PERFORM WORK AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

With respect to operations performed for, or affecting, a Scheduled Railroad at a Designated Job Site, the definition of "insured contract" in the Definitions section is replaced by the following:

9. "Insured Contract" means:

   a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";

   b. A sidetrack agreement;

   c. Any easement or license agreement;

   d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;

   e. An elevator maintenance agreement;

   f. That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury" or "property damage" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

   Paragraph f. does not include that part of any contract or agreement:

   (1) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:

      (a) Preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or

      (b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage;

   (2) Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in Paragraph (1) above and supervisory, inspection, architectural or engineering activities.

© ISO Properties, Inc., 2000

ALLIED WORLD

CONTRACTORS PROFESSIONAL AND POLLUTION LIABILITY POLICY

TABLE OF CONTENTS

SECTION I – INSURING AGREEMENTS
SECTION II – DEFENSE AND SETTLEMENT
SECTION III – EXCLUSIONS
SECTION IV – LIMITS OF LIABILITY AND RETENTION
SECTION V – CONDITIONS
SECTION VI – DEFINITIONS

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

ALLIED WORLD

CERTAIN COVERAGES CONTAINED WITHIN THIS POLICY ARE CLAIMS MADE AND REPORTED COVERAGE.

NOTICE: CERTAIN COVERAGE PROVIDES CLAIMS MADE AND REPORTED COVERAGE AND SUBJECT TO ITS PROVISIONS APPLIES ONLY TO CLAIMS WHICH ARE BOTH FIRST MADE BY OR AGAINST THE INSURED AND REPORTED TO US DURING THE POLICY PERIOD OR THE EXTENDED REPORTING PERIOD, IF APPLICABLE. DEFENSE COSTS ARE INCLUDED WITHIN THE LIMIT OF LIABILITY.

PLEASE READ THE ENTIRE POLICY CAREFULLY.

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy the words "you" and "your" refer to the Named Insured shown in the Declarations and any other person or organization qualifying as a Named Insured under this policy.

The words "we," "us" and "our" refer to the company providing this insurance.

Except for headings, words that appear in **bold print** have special meaning. See SECTION VI – DEFINITIONS.

In consideration of the payment of the premium and in reliance upon the statements and information that you or your agent provides to us in the Application or Questionnaire, or both, or other information submitted to us that forms the basis of coverage, we agree to provide coverage as shown in the Declarations and subject to the terms as follows:

SECTION I – INSURING AGREEMENTS

1. **Professional Liability**

   a. **Contractor Professional Liability**

   We will pay those sums that the **insured** becomes legally obligated to pay as **professional damages** because of a **claim** resulting from an actual or alleged act, error or omission in **professional services**, provided:

   (1) The **claim** arises out of **professional services** rendered on or after the professional liability **retroactive date** and prior to the expiration of the **policy period**; and

   (2) The **claim** is first made against the **insured** and first reported to us, in writing, during the **policy period** or within the **extended reporting period**, and

   (3) Such **claim** is not covered under SECTION I - INSURING AGREEMENTS, 2. Contractors Pollution Liability.

   b. **Mitigation Expense**:

   We will pay **mitigation expense** on behalf of the **insured** resulting from an actual act, error or omission in **professional services** rendered by the **insured**, provided:

   (1) The **professional services** are rendered during the **policy period** or on or after the

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

mitigation expense **retroactive date**, and

(2) The **insured**, during the **policy period**, provides the Company with immediate written notice of the act, error or omission in **professional services** and the proposed mitigation action, if any, prior to incurring any **mitigation expense**, and

(3) All **mitigation expense** must be approved by the Company prior to being incurred by the **insured** and must not be covered under INSURING AGREEMENT 2, Contractors Pollution Liability.

2. **Contractors Pollution Liability**

a. **Contractors Operations Pollution Liability**

We will pay those sums that the **insured** becomes legally obligated to pay as **damages** arising out of **bodily injury**, **property damage** or **environmental damage** that occur during the **policy period** and are caused by an **occurrence**, provided:

(1) There is a **claim** for **bodily injury**, **property damage** or **environmental damage** caused by a **pollution incident** from **your work**, **completed operations**, **transportation** or a **non-owned site**; or

(2) **Clean-up costs** or **emergency clean-up costs** are caused by a **pollution incident** from **your work** or **transportation** by you, where:

a. Such **pollution incident** first occurs on or after the effective date of this policy; and

b. **Discovery** of such **pollution incident** first occurs during the **policy period**; and

c. You report that **pollution incident** to us, in writing, as soon as practicable during the **policy period** or extended reporting period, if applicable.

b. **Time Element - Your Insured Location Liability**

We will pay those sums that the **insured** becomes legally obligated to pay as **damages** arising out of **bodily injury**, **property damage** or **environmental damage** that occur during the **policy period** and are caused an **occurrence**, provided:

(1) There is a **claim** for **bodily injury**, **property damage** or **environmental damage** caused by a **pollution incident** on, at, under or migrating beyond the legal boundaries of **your insured location**; or

(2) That **clean-up costs** or **emergency clean-up costs** caused by a **pollution incident** on, at, under or migrating beyond the legal boundaries of **your insured location** result in **environmental damage**, but only to the extent:

(a) As required by **environmental law**; or

(b) In the absence of (a) directly above, to the extent recommended by an **environmental professional**.

It is condition precedent to coverage under this INSURING AGREEMENT, 2.b., Time Element – Your Insured Location Liability, that:

(1) **Discovery** of such **pollution incident** first occurs during the **policy period**; and

(2) The **pollution incident** originates at **your insured location**; and

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

(3) The **pollution incident** first commences during the **policy period** at an identifiable time and place; and

(4) The **pollution incident** ceases fully within ten (10) days of its commencement.

c. Progressive, indivisible **bodily injury**, **property damage** or **environmental damage,** including any continuation, change or resumption, over any period of extended time caused by the same or related **pollution incident** shall be deemed to have occurred only on the date of first exposure to such **pollution incident** and only the policy in force on the date of first exposure will apply.

In the event that the date of first exposure to such **pollution incident** is before the inception date of the first policy providing contractor pollution liability and issued to you by us, or cannot be determined, but the progressive, indivisible **bodily injury**, **property damage** or **environmental damage**, including any change or resumption, continues to exist during the **policy period** such **pollution incident** will be deemed to have occurred on the inception date of the first policy providing contractor pollution liability issued to you by us.

In the event that the date of first exposure to such **pollution incident** occurs during this **policy period** and continues to exist during subsequent policies providing contractor pollution liability issued by us, then the following applies:

(1) All such **bodily injury**, **property damage** and **environmental damage** shall be deemed to have taken place only during this **policy period**; and

(2) All **damages** arising from all such **bodily injury**, **property damage** or **environmental damage** shall be deemed to have arisen from one **occurrence** and shall be subject to the Each Pollution Incident Limit listed in Item 4(2.a.) of the Declarations.

SECTION II – DEFENSE AND SETTLEMENT

We will have the right and duty to defend any **claim** made against any **insured** seeking sums payable under this policy. We shall undertake and manage the defense of such **claim** even if such **claim** is groundless, false or fraudulent. **Claim expense** reduces the Limits of Liability and is included within the applicable Retentions stated in the Declarations. Our duty to defend ends once the Limits of Liability are exhausted or tendered into a court of applicable jurisdiction or once the **insured** refuses a settlement offer as provided in the paragraph below.

The **insured** will not assume or admit liability, make any payment, consent to any judgment, settle any **claim** or incur any **claim expense** without the prior written consent of us. We will not be liable for any payment, settlement, consent to judgment or admission made by the **insured** to which we have not consented.

We have the right to investigate, conduct negotiations concerning, and with the **insured's** written consent, such consent not to be unreasonably withheld, settle, any **claim** or **damages** as we deem expedient. If the **insured** refuses to consent to the settlement or compromise recommended by us in writing and acceptable to the claimant and elect to further contest such **claim**, our liability for such **claim** shall not exceed the amount for which such **claim** could have been settled, including **claim expense** incurred, up to the date of such refusal, plus fifty (50) percent of such **damages**, **professional damages**, **clean-up costs** or other coverage afforded under this policy in excess of the settlement amount recommended. It is a condition that our Limits of Liability under this policy with respect to such **claim** will be reduced to the amount for which the **claim** could have been settled, including all **claim expenses** incurred up to the time we made our recommendation to the **insured**. It is a condition of this insurance that the remaining fifty (50) percent of such **damages**, **professional damages**, **clean-up costs** or other coverage afforded under this policy excess of the settlement amount shall be borne by the **insured** at your own risk, and are uninsured. Notwithstanding the foregoing, this paragraph shall not apply

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

until the settlement amount exceeds the applicable Retention stated in the Declarations or applicable endorsement.

In addition, if we recommend a settlement of a **claim** to which this insurance applies within the policy's applicable Limit of Liability that is acceptable to the claimant, and the **insured** consents to such settlement, then your applicable Retention for such **claim** shall be retroactively reduced by ten (10) percent. It shall be a condition to such reduction that you must consent to the settlement amount within thirty (30) days after the date we recommend to the **insured** such settlement amount, or in the case of a settlement amount which arises from a settlement offer by the claimant, then within the time permitted by the claimant to accept such settlement offer, but in all events no later than thirty (30) days after we recommend to the **insured** such settlement offer. If the **insured** does not consent to the settlement within the time prescribed above, the applicable Retention shall remain the respective amount set forth in the Declarations or applicable endorsement, even if consent is given to a subsequent settlement.

We will have no obligation to pay any **claim**, **damages** or **professional damages** under this policy including **claim expense**, or to defend, continue to defend, or indemnify the **insured** after the Limits of Liability has been exhausted by any payment, including **claim expense**, or any deposit or tender of the Limits of Liability into court.

We shall have the right to select counsel for the investigation, adjustment and defense of **claims** to which this insurance applies. If more than one **insured** is involved in a **claim** to which this insurance applies, we may, in our sole discretion, appoint separate counsel for one or more of such **insureds** if there is a material (actual or potential) conflict of interest among any such **insureds**.

In the event the **insured** is entitled by law to select independent counsel to defend a **claim** at our expense, we will pay the reasonable attorney fees and all other reasonable litigation costs and expenses. However, we will not pay an hourly rate above what is reasonable in the geographic area where the **claim** is pending.

Additionally, we may exercise the right to require that such counsel have certain minimum qualifications with respect to their competency including experience in defending **claims** similar to the one pending against the **insured** and to require such counsel have errors and omissions insurance coverage. As respects any such counsel, the **insured** agrees that counsel will timely respond to our requests for information regarding the **claim**, except with regard to information that is confidential or privileged, or both, or that affects insurance coverage for the **claim**.

Furthermore, the **insured** may at any time, by the **insured's** signed consent, freely and fully waive the right to select independent counsel.

SECTION III – EXCLUSIONS

This insurance does not apply to any **claim**, **professional damages**, **mitigation expense**, **pollution incident**, **damages**, **clean-up costs** or **emergency clean-up costs**:

1. **Contractual Liability**

   Arising from the **insured's**:

   a. Assumption of other's liability in a contract or agreement; or

   b. Breach of contract or agreement.

   This exclusion does not apply to liability: (1) That the **insured** would have in the absence of the contract or agreement; (2) as respects 1.b. above, for actual or alleged act, error or omission in **professional services**; or (3) Solely with regard to SECTION I - INSURING AGREEMENTS, 2.a. Contractors Operations Pollution Liability, liability assumed by the **named insured** in a contract or agreement that is

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

an **insured contract**, provided the **bodily injury**, **property damage**, **environmental damage** or **emergency response expense** occurs subsequent to the execution of the contract or agreement.

2. **Criminal Fines**

Arising from any criminal fines, criminal penalties or criminal assessments imposed by law directly against an **insured**.

3. **Damage to Property**

Arising from loss of use, physical injury, or destruction of:

a. Real property owned by the **named insured** or rented, leased or loaned to the **named insured**; or

b. Personal Property in the care, custody control of the **named insured** used to perform **your work.**

This exclusion does not apply to: (1) real or personal property owned or leased by or in the care, custody or control of the **client**, or (2) **environmental damage** to **your insured location**.

4. **Dishonest Acts/ Intentional Non-Compliance**

Arising from any:

a. Dishonest, fraudulent, criminal, intentional or malicious act, error or omission or those of a knowingly wrongful nature committed by or at the direction of any **insured**, however, this exclusion will not apply to an **insured** who did not commit, participate in, or have knowledge of such conduct; or

b. Intentional disregard of or deliberate willful or dishonest non–compliance with any statute, regulation, ordinance, order, administrative complaint, notice of violation, notice letter, or instruction by or on behalf of any government agency or representative or other federal, state, local or other applicable legal requirement by or at the direction of any **responsible manager** or an agent of an **insured**.

This exclusion does not apply to intentional disregard of or deliberate willful non–compliance with any law or regulation: (1) to the **insured's** good faith reliance upon the written advice of qualified outside counsel received in advance of such compliance or, (2) good faith efforts at mitigation of **emergency response expense**.

5. **Discrimination**

Based upon or arising out of actual or alleged discrimination by an **insured** including but not limited to discrimination on the basis of race, creed, national origin, disability, age, marital status, sex, or sexual orientation unless a **claim** is based upon or arises out of the failure to make reasonable accommodations for a disability in violation of the American with Disabilities Act, 42.u.s.c. 112101, et seq., as amended.

6. **Divested Location**

Based upon or arising out of a **pollution incident** that first commences after **your insured location** has been divested, sold, abandoned, given away, taken by eminent domain or condemned.

7. **Electronic Services**

Arising from any failure to prevent unauthorized access to or use of an electronic system or program,

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

unless such unauthorized access arises out of an act, error or omission in the rendering of or failure to render **professional services** by you.

8. **Employer's Liability**

Arising from any injury to:

a. An employee, including **leased worker** and a **temporary worker**, of the **insured**, arising out of and in the course of:

(1) Employment by the **insured**; or

(2) Performing duties related to the conduct of the **insured's** business

b. The spouse, child, parent, brother or sister or any relation of that employee, including **leased worker** and a **temporary worker**, who has a right to make a claim against an **insured** as a consequence of paragraph (1) above.

This exclusion applies whether the **insured** may be liable as an employer or in any other capacity and to any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply to liability assumed by the **insured** under an **insured contract** executed prior to the date such injury occurs as a result of **your work** for such contract.

9. **Faulty Work/Own Work**

Solely with regard to Coverage 2.a., Contractors Operations Pollution Liability, arising out of the cost to repair or replace faulty workmanship in any construction, erection, fabrication, installation, assembly or manufacturing process performed or provided by the named **insured** or anyone for whom any **insured** is legally responsible or any organization or affiliate that controls, manages or holds more than a twenty-five percent (25%) ownership interest in an **insured**, including materials, parts or equipment furnished in connection therewith, including any workmanship which is not in accordance with the drawings and specifications with respect to any construction, erection, fabrication, installation, assembly or manufacturing process.

10. **Hostile Acts**

War, invasion, act of foreign enemy, hostilities (whether war be declared or not), covert military action, civil war, rebellion, revolution, insurrection or military or usurped power, strike, riot, civil commotion or terrorism. This exclusion however, shall not apply to any **damages** or losses arising directly or indirectly as a result of or in connection with any act which is certified by the United States Secretary of the Treasury as an "act of terrorism", as defined by the Terrorism Risk Insurance Act of 2002 or any amendment thereto;

11. **Insured versus Insured**

a. Arising from any **claims** made by any **insured** against any other **insured**; or

b. Any **claims** brougnt against any individual or entity or its subrogees or assignees: (1) That wholly or partially owns or operates you; or (2) In which you have an ownership interest in excess of twenty-five percent (25%); or (3) That is controlled or operated by you; or (4) In which you are an officer or director.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

This exclusion does not apply to a **claim** by an entity that is an **insured** solely by the definition in SECTION VI - DEFINITIONS, 15.d.

12. **Non-Disclosed Known Conditions**

Based upon or arising out of a **pollution incident** or an actual or alleged act, error or omission in **professional services** in existence prior to the inception date of the policy or prior to the effective date of an endorsement to this policy and known by or reported to a **responsible manager**.

However this exclusion shall not apply to:

a. With respect to a **project site**, a **pollution incident** in existence prior to you first performing **your work** or **professional services** at such **project site**; or

b. The exacerbation of a **pollution incident** at a **project site** as a result of **your work** provided: (1) Such **pollution incident** was in existence prior to the **insured** first performing **your work**; and (2) Such exacerbation was not known or reported to a **responsible manager** prior to the inception date of the policy or prior to the effective date of an endorsement to this policy; or

c. Any **pollution incident** that is expressly disclosed to us and scheduled under this policy or by endorsement as an Accepted Known Condition. Such **pollution incident** shall be deemed to have been first discovered on the inception date or the effective date of the applicable endorsement.

13. **Use of Your Insured Location**

Based upon or arising out of:

a. Any material change in use or operations at **your insured location** from the use or operations stated by you in the Application or Questionnaire, or both, or other information submitted to us that forms the basis of coverage; or

b. The operation of a waste transfer, storage, treatment, or disposal facility or landfill at **your insured location** unless such location is approved by us and listed in Your Location Schedule endorsed on to this policy.

14. **Prior Claims or Incidents**

Based upon or arising from a **claim**, **professional damages**, **mitigation expense**, **damages**, **clean-up costs** or **emergency clean-up costs** or actual or alleged act, error or omission in **professional services** or other circumstances reported by you under any prior policy that was not issued by us or any entity affiliated with the Company or that was known by a **responsible manager** prior to the inception of the **policy period**.

15. **Products**

Arising from any goods, materials, products or equipment designed, manufactured, sold, handled, distributed or disposed by the **insured** or others trading under the **insured's** name, after possession of such goods, materials, products or equipment have been relinquished by the **insured** or others trading under its name, unless such **claim**, **damages**, **clean-up costs** or **emergency clean-up costs** or any other coverage afforded under this policy arises out of the assembly, fabrication or installation of such products as part of **your work**.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

This exclusion does not apply to such **products** while within the boundaries of **your insured location** or during **transportation**.

16. **Nuclear**

Based upon or arising out of radioactive, toxic or explosive properties of Source Materials, Special Nuclear Materials or By-Product Materials as defined in the Atomic Energy Act and for which the United State Department of Energy or any other government authority or agency has indemnified the **insured** or for which the Price Anderson Act provides protection for the **insured**.

17. **Related Entities**

Based upon or arising out of a **claim** by an entity or individual that: a) is an affiliate of an **insured**; b) an **insured** controls, manages, operates or holds more than twenty-five percent (25%) ownership interest in, or which controls; c) manages, operates or holds more than a twenty-five percent (25%) ownership interest in an **insured**; or d) is controlled or managed by an **insured**.

18. **Underground Storage Tanks**

Based upon or arising out of a **pollution incident** resulting from an **underground storage tank** whose existence is known by you as of the inception of policy and which is located at **your insured location**, unless such **underground storage tank** is scheduled on the policy by endorsement. However, this exclusion does not apply to any **underground storage tank** that is:

a. An **underground storage tank** which has been closed in place or removed prior to the inception date of this policy in compliance with all applicable Federal, State, Local or Provincial regulations in effect during such closure or removal; or

b. A process tank, including septic tanks and oil/water separators, located partially in the ground, or

c. Located on or above the floor of structures built below the ground surface such as vaults or subsurface floors of buildings.

19. **Transportation**

Based upon or arising out of **property damage** to any **conveyance** utilized during **transportation**. This exclusion does not apply to claims made by third-party carriers for such **property damage** arising from the **insured's** negligence.

20. **Warranty/Guarantee**

Based upon or arising out of any express warranty or guarantee unless liability would have attached by law to the **insured** in the absence of such warranty or guarantee.

This exclusion does not apply to any warranty or guaranty by the **insured** that the **insured's professional services** or **your work** are in conformity with the generally accepted standard of care or a legal obligation that would be applicable in the absence of such warranty or guaranty.

21. **Workers Compensation**

Based upon or arising out of any obligation for which any **insured** or any insurance carrier will be liable under any worker's compensation, unemployment compensation, employer's liability, disability benefits law or under any similar law.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

22. **Your Insured Location – Asbestos and Lead-Based Paint**

Based upon or arising out of the existence of, required removal or abatement of asbestos or lead-based paint in any form including but not limited to asbestos containing materials, products containing asbestos, asbestos fibers and asbestos dust.

This exclusion does not apply to **your work**, including any unintentional disturbance by you or your subcontractor of asbestos or lead-based paint, **completed operations**, **transportation** or a **non-owned site**.

SECTION IV – LIMITS OF LIABILITY AND RETENTION

1. **Limits of Liability**

The Limits of Liability shown in the Declarations and the rules below fix the most we will pay regardless of the number of: a) **Insureds**, **your insured location(s)**, **or non-owned location(s)**; b) **Claims** made or suits brought; c) Persons or organizations making **claims** or bringing suits; d) Acts, errors or omissions; or e) **Pollution incidents** or **claims**.

2. **Aggregate Limit of Liability**

a. The Policy Aggregate Limit of Liability as set forth in ITEM 3. of the Declarations is the most we will pay for the sum of all **professional damages**, **mitigation expense**, **damages**, **clean-up costs** and **emergency clean-up costs** and any other amounts for which insurance is afforded under this policy.

b. Subject to SECTION IV. 2.a. above, SECTION I - INSURING AGREEMENTS, 1. Professional Liability Aggregate Limit of Liability set forth in ITEM 4. (1) of the Declarations is the most the Company will pay for all **professional damages** and **mitigation expense** for which insurance is afforded under Insuring Agreement 1. Professional Liability.

c. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 2.a. above, SECTION I - INSURING AGREEMENTS, 2. Contractors Pollution Legal Liability Aggregate Limit of Liability set forth in ITEM 4. (2) of the Declarations is the most the Company will pay for all **damages**, **clean-up costs** or **emergency clean-up costs** for which insurance is afforded under Insuring Agreement 2. Contractors Pollution Liability.

3. **Professional Liability Limits of Liability**

a. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 2.a. and SECTION IV – LIMITS OF LIABILITY AND RETENTION, 2.b. above, the SECTION I - INSURING AGREEMENT, 1. Professional Liability Limit for Each Act, Error or Omission set forth in ITEM 4.(1.) of the Declarations is the most the Company will pay for all **professional damages** and **mitigation expense** arising out of a single act, error or omission in rendering or failure to render **professional services**.

b. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 3.a. above, the Professional Damages Aggregate Limit of Liability set forth in ITEM 4.(1a.) of the Declarations is the most the Company will pay for the sum of all **professional damages** for which insurance is afforded under this policy. Subject to the preceding sentence, the Professional Damages Limit of Liability for Each Act, Error or Omission set forth in ITEM 4.(1a.) of the Declarations is the most the Company will pay for all **professional damages** arising out of a single act, error or omission in rendering or failure to render **professional services**.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

c. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 3.a. above, the Mitigation Expense Aggregate Limit of Liability set forth in ITEM 4.(1b.) of the Declarations is the most the Company will pay for the sum of all **mitigation expense** for which insurance is afforded under this policy. Subject to the preceding sentence, the Mitigation Expense Limit of Liability for Each Act, Error or Omission set forth in ITEM 4.(1b.) of the Declarations is the most the Company will pay for all **mitigation expense** arising out of a single act, error or omission in rendering or failure to render **professional services**.

d. All **professional damages** or **mitigation expense**, or both, arising out of the same, related, repeated or continuous acts, errors or omissions in rendering or failure to render **professional services** is deemed to arise out of a single act, error or omission and subject to the rules set forth in SECTION IV – LIMITS OF LIABILITY AND RETENTION, 3.a., SECTION IV – LIMITS OF LIABILITY AND RETENTION, 3.b. and SECTION IV – LIMITS OF LIABILITY AND RETENTION, 3.c. above, for **professional damages** or **mitigation expense**, or both, arising out of a single act, error or omission in rendering or failure to render **professional services**.

4. **Contractors Pollution Liability**

a. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 2.a. and SECTION IV – LIMITS OF LIABILITY AND RETENTION, 2.c. above, the SECTION I - INSURING AGREEMENTS, 2. Contractors Pollution Legal Liability Aggregate Limit of Liability for each **pollution incident** set forth in ITEM 4.(2.) of the Declarations is the most the Company will pay for all **damages**, **clean-up costs** or **emergency clean-up costs** arising out of a single **pollution incident**.

b. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 4.a. above, the Contractors Occurrence Pollution Liability Aggregate Limit of Liability set forth in ITEM 4.(2.a.) of the Declarations is the most the Company will pay for the sum of all **damages**, **clean-up costs** or **emergency clean-up costs** for which insurance is afforded under this policy. Subject to the preceding sentence, the Contractors Occurrence Pollution Liability Limit of Liability for each **pollution incident** set forth in ITEM.4.(2a.) of the Declarations is the most the Company will pay under SECTION I - INSURING AGREEMENTS, 2. Contractors Pollution Liability for all **damages**, **clean-up costs** or **emergency clean-up costs** arising out of a single **pollution incident**.

c. Subject to SECTION IV – LIMITS OF LIABILITY AND RETENTION, 4.a. above, the Time Element – Your Insured Location Liability Coverage Aggregate Limit of Liability set forth in ITEM 4.(2.b.) of the Declarations is the most the Company will pay for the sum of all **damages** or **clean-up costs** for which insurance is afforded under this policy. Subject to the preceding sentence, the Time Element – Your Insured Location Liability Coverage Aggregate Limit of Liability for each **pollution incident** set forth in ITEM.4.(2b.) of the Declarations is the most the Company will pay under SECTION I - INSURING AGREEMENTS, 2. Contractors Pollution Liability for all **damages** or **clean-up costs** arising out of a single **pollution incident**.

d. All **damages**, **clean-up costs** or **emergency clean-up costs** arising out of the same, related or repeated or continuous **pollution incidents** is deemed to arise out of a single **pollution incident** and subject to the rules set forth in SECTION IV – LIMITS OF LIABILITY AND RETENTION, 4.a., SECTION IV – LIMITS OF LIABILITY AND RETENTION, 4.b., SECTION IV – LIMITS OF LIABILITY AND RETENTION, 4.c. above, for **damages**, **clean-up costs** or **emergency clean-up costs** arising out of a single **pollution incident**.

5. **Retention**

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

a. Subject to the Limits of Liability set forth in ITEM 3. and ITEM 4. of the Declarations, the Company is liable only for that portion of coverage provided under this policy in excess of the applicable Retention, if any. In the event multiple insuring agreements or coverage parts apply, only one Retention will apply which shall be the highest Retention amount of the applicable coverage parts. These respective Retentions shall be paid by the **named insured** and remain uninsured. We may pay any part or all of the Retention amount to effect settlement of any **claim** or suit, or to pay **clean-up costs** or **emergency clean-up costs** which may be covered under this policy, and upon notification of the action taken, you shall promptly reimburse us for such part of the Retention amount as has been paid by us.

SECTION V – CONDITIONS

1. Audit and Inspection

We will be permitted upon reasonable prior notice to audit, monitor and inspect on a continuing basis any of the **insured's** books and records at any time during the **policy period** and within three years after the final termination of this policy, as far as they relate to the subject matter of this policy. We will also be permitted upon reasonable prior notice to inspect, sample and monitor on a continuing basis the **insured's** operations. Neither our right to make inspections, sample and monitor nor the actual undertaking thereof nor any report thereon will constitute an undertaking, on behalf of us or others, to determine or warrant that operations are safe, healthful or conform to acceptable engineering practice or are in compliance with any law, rule or regulation.

We may modify, amend or delete any of the terms and conditions of this policy including the right to charge additional premium and the right to cancel, rescind or void this policy, if our examination, audit, monitoring or inspection reveals any material risk, hazard or condition that was not previously disclosed by any **insured** in the Application or supplemental materials, or which deviates from the information disclosed in the Application or supplemental materials.

2. Subrogation

In the event of any payment under this policy, we will be subrogated to all the **insured's** rights of recovery thereof and the **insured** will execute and deliver all instruments and papers and do whatever else is necessary to secure such rights. The **insured** will do nothing to waive or prejudice such rights. Any amounts recovered in excess of our total payment will be paid to the **insured**, less the cost to us of recovery. However, it is agreed that we waive our rights of subrogation under this policy against clients of the **named insured** to the extent the client's written contract with the **named insured** requires such a waiver of subrogation, but only:

a. To the extent required by such contract; and

b. When such contract has been executed prior to any event, work or professional services that would give rise to coverage under this policy.

3. Changes

Notices to any agent or knowledge possessed by any agent will not effect a waiver or a change in any part of this policy or prevent us from asserting any rights under the terms of this policy, nor will the terms of this policy be waived or changed, unless endorsed hereon by us.

4. Assignment

It is agreed that the insurance provided herein cannot be transferred or assigned to another party without the express written consent of us. Assignment of interest under this policy shall not bind us until our consent, which shall not be unreasonably withheld, is endorsed thereon.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

5. **Cancellation**

a. This policy may only be cancelled by us for any of the following reasons:

(1) Non-payment of any premium or Retention amount; or

(2) A material misrepresentation or concealment of facts which affects the Company's assessment of the risks insured by this policy; or

(3) A material breach of or failure to comply with any provision of, or obligation under this policy.

If this policy is cancelled by us, notice of cancellation will be sent in writing to the **named insured**, at the address indicated on the Declarations. We will provide such written notice at least ninety (90) days or ten (10) days for non-payment of premium prior to the date such cancellation is to take effect.
The effective date and hour of cancellation will be stated in such notice. Cancellation by us also cancels the Automatic Extended Reporting Period and Extended Reporting Period. Both the **policy period** and the Automatic Extended Reporting Period and Extended Reporting Period will end on that date. If we cancel for the reason specified in subparagraph (1) there will be no return premium. If we cancel for reasons stated in subparagraphs (2) or (3), the earned premium will be computed pro-rata of the policy term premium. Payment of any return premium will not be a condition of cancellation.

b. This policy may be cancelled by the **named insured** for any reason. In the event that the **named insured** cancels the policy, the earned premium will be computed short-rate of the policy term premium.

c. In the event the policy has a minimum earned premium, the premium returnable after the minimum earned is retained by us will be computed utilizing the customary short rate or pro-rate tables, whichever is applicable. If the minimum earned is one hundred percent (100%), you are not entitled to any return premium regardless of the reason for cancellation. In the event of a loss under this policy, the premium will be deemed one hundred percent (100%) earned and you are not entitled to any return premium.

d. In the event of cancellation by us by reason of sub-section a (3) above, you will have sixty (60) days from the date of notice of cancellation to remedy each breach and each failure that is a ground for cancellation, but only as to each and every breach and failure that are capable of being remedied. If your remedial efforts are completed within such sixty (60) day period and are satisfactory to us, the Company will rescind such Notice of Cancellation with a written confirmation to the **named insured**.

6. **Legal Action Against Us**

No person or organization has a right under this policy:

a. To join us as a party or otherwise bring us into a suit asking **damages** from an **insured**; or

b. To sue us on this policy unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an **insured**; but we will not be liable for **damages** that are not payable under the terms of this policy or that are in excess of the applicable limit of liability. An agreed settlement means a settlement and release of liability signed by us, the **insured** and the claimant or the claimant's legal representative.

7. **Bankruptcy**

The **named insured's** bankruptcy or insolvency will not relieve us of our obligations under this

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

policy.

8. **Service of Suit**

In the event of our failure to pay any amount claimed to be due hereunder, we, at your request, will submit to the jurisdiction of a court of competent jurisdiction within the United States. Nothing in this condition constitutes or should be understood to constitute a waiver of our rights to commence an action in any court of competent jurisdiction in the United States, to remove an action to a United States District Court, or to seek transfer of a case to another court as permitted by the laws of the United States or of any state in the United States. It is further agreed that service of process in such suit may be made upon counsel, Legal Department, Allied World Assurance Company (U.S.) Inc., 199 Water Street, 24th Floor, New York, NY 10038 or his or her representative, and that in any suit instituted against us upon this policy, we will abide by the final decision of such court or of any appellate court in the event of an appeal.

Further, pursuant to any statute of any state, territory, or district of the United States which makes provision therefore, we hereby designate the Superintendent, Commissioner or Director of Insurance, or other officer specified for that purpose in the statute, or his or her successors in office, as its true and lawful agent upon whom may be served any lawful process in any action, suit, or proceeding instituted by or on your behalf or any beneficiary hereunder arising out of this policy of insurance and hereby designates the above named as the person to whom the said officer is authorized to mail such process or a true copy thereof.

9. **Severability**

If any material provision or clause of this policy is declared illegal or unenforceable by any court of competent jurisdiction and cannot be modified to be enforceable, that provision will immediately become null and void, leaving the remainder of this policy in full force and effect.

Except with respect to the Limits of Liability and the retention amounts, Exclusion 11. Insured verses Insured, and any rights or duties specifically assigned in this policy to the **named insured**, this insurance applies: (i) as if each **named insured** were the only **named insured**; and (ii) separately to each **insured** against whom a **claim** is made.

Any misrepresentation, act or omission that is in violation of a term, duty or condition under this policy by one **insured** shall not prejudice another **insured** under this policy. This condition shall not apply to an **insured** who is a parent, subsidiary or affiliate of the **insured** which committed the misrepresentation, act or omission referenced above.

10. **Sole Agent**

If there is more than one **insured** named in this policy, the first **named insured** shall act on behalf of all **insureds** for all purposes, including but not limited to the payment or return of premium, payment of any applicable Retention, receipt and acceptance of any endorsement issued to form a part of this policy, complying with all applicable **claims** provisions, giving and receiving notice of cancellation or nonrenewal, reimbursement to us of any Retention advanced and the exercise of the rights provided in the Extended Reporting Period or Subrogation provisions of this policy.

11. **Other Insurance**

If there is other valid and collectible insurance, our obligations are as follows:

a. With regard to Coverage 1 – Professional Liability, as set forth in SECTION I - Insuring Agreements, this insurance is excess over any other valid and collectible insurance, whether such

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

other insurance is stated to be primary, contributory, excess, contingent or otherwise;

b. This insurance is excess over any other valid and collectible insurance under a project specific insurance policy, contractor controlled insurance program, owner controlled insurance program, consolidated (wrap-up) insurance program or any other similar insurance or program, whether such other insurance or program is stated to be primary, contributory, excess, contingent or otherwise;

c. Where other valid and collectible insurance is available and is also primary, our obligation to the **insured** is as follows:

(1) If other primary insurance permits contribution by equal shares, we will also follow this method. Under this method, each insurer contributes equal amounts until it has paid the applicable Limit of Liability or none of the loss remains, whichever comes first; or

(2) If any other insurance does not permit contribution by equal shares, we will contribute pro-rata by limits. Under this method, each Insurer's share is based on the ratio of its applicable Limit of Liability to the total applicable Limit of Liability of all primary insurers.

d. With regard to **restoration costs**, this insurance is excess over any other valid and collectible insurance, whether such other insurance is stated to be primary, contributory, excess, contingent or otherwise.

12. **Multiple Claims**

Two or more **claims** arising out of a single act, error, omission, incident or **pollution incident**, or arising out of a series of acts, errors, omissions or incidents related to each other, will be considered a single **claim** subject to the respective single Each Loss Limit of Liability and one Retention, and will not operate to increase our Limits of Liability. All such **claims**, whenever made, will be considered first made during the **policy period** of the earliest **claim** was first made.

13. **Notice of Possible Claim**

a. If during the **policy period**, the **insured** becomes aware of an act, error or omission in **professional services** or **pollution incident** which may be expected to give rise to a **claim** (thereafter referred to as a "possible claim") under the policy, the **insured** must provide written notice to us during the **policy period** containing all the information listed under paragraph b. below. Any possible claim that subsequently becomes a **claim** shall be deemed to have been first made and reported during the **policy period** of this policy. Such **claim** shall be subject to the terms, conditions and limits of coverage of the policy under which the possible claim was reported.

b. It is a condition precedent to the rights afforded the **insured** under this Condition 13. and any possible coverage afforded by this policy that such written notice under paragraph a. directly above contain all of the following information:

(1) The circumstances and date of the actual or alleged errors or omissions in **professional services** and the specific nature, date and extent of any injury or **professional damages** which are the subject of the possible claim;

(2) The date and details of the **pollution incident** and related services or work that may have caused such condition;

(3) Copies of any contract executed by the **insured** that is related to such possible claim;

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

(4) The circumstances by which the **insured** first became aware of the possible claim.

14. **Extended Reporting Period for Contractor Professional Liability Insuring Agreement (Insuring Agreement 1.a.)**

The **named insured** shall be entitled to an Automatic Extended Reporting Period, and (with certain exceptions as described in Paragraph b. of this section) be entitled to purchase an Optional Extended Reporting Period for SECTION I - INSURING AGREEMENTS, 1. Professional Liability, upon termination of coverage as defined in paragraph b.(3) of this section. Neither the Automatic nor the Optional Extended Reporting Period shall reinstate or increase any of the limits of liability of this policy.

a. **Automatic Extended Reporting Period**

Provided that the **named insured** has not purchased any other insurance to replace this insurance and the **claim** is otherwise covered hereunder, the **named insured** shall have the right to the following: a period of ninety (90) days following the effective date of such termination of coverage in which to provide written notice to the Company of **claims** first made and reported within the Automatic Extended Reporting Period. A **claim** first made and reported within the Automatic Extended Reporting Period will be deemed to have been made on the last day of the **policy period**, provided that the **claim** arises from an actual or alleged act, error or omission in the performance of **your professional services** rendered on or after the **professional liability retroactive date** and prior to the end of the **policy period** and is otherwise covered by this policy. No part of the Automatic Extended Reporting Period shall apply if the Optional Extended Reporting Period is purchased.

b. **Optional Extended Reporting Period**

The **named insured** shall be entitled to purchase an Optional Extended Reporting Period upon termination of coverage as defined herein (except in the event of nonpayment of premium), as follows:

(1) A **claim** first made and reported within the Optional Extended Reporting Period, if purchased in accordance with the provisions contained in paragraph (2) below, will be deemed to have been made on the last day of the **policy period**, provided that the **claim** arises from an actual or alleged act, error or omission in the performance of **your professional services** rendered on or after the **professional liability retroactive date** and prior to the end of the Policy Period and is otherwise covered by this policy;

(2) The Company shall issue an endorsement providing an Optional Extended Reporting Period of up to thirty-six (36) months from termination of coverage hereunder, provided that the **named insured**:

(a) Makes a written request for such endorsement which the Company receives within thirty (30) days after termination of coverage as defined herein; and

(b) Pays the additional premium when due. If that additional premium is paid when due, the Company may choose not to cancel the Extended Reporting Period, provided that all other terms and conditions of the policy are met, such determination to be made at the Company's sole discretion.

(3) Termination of coverage occurs at the time of cancellation or nonrenewal of this policy by the **named insured** or by the Company.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

(4) The Optional Extended Reporting Period is available to the **named insured** for not more than 200% of the full policy premium stated in the Declarations.

15. **Currency**

All reimbursement shall be made in United States currency at the rate of exchange prevailing on: (i) The date of judgment if judgment is rendered, or, (ii) The date of settlement if settlement is agreed upon with our written consent, or (iii) The date legal expenses are paid.

16. **Declarations and Representations**

By acceptance of this policy, you agree that the statements and information contained in the Application or Questionnaire, or both, and other supplemental materials submitted to us are: a) true and correct; b) such statements and information are material to our underwriting of this policy; and c) that this policy has been issued by us in reliance upon the truth and correctness of such statements and information.

17. **Duties in the Event of Claim or Pollution Incident**

a. **Claim for Professional Damage**

You must see to it that we are notified in writing as soon as practicable within the **policy period** or extended reporting period when you become aware of an act, error or omission which may be expected to give rise to a **claim** for **professional damages**. To the extent possible, notice should include:

(1) The time, place and explanation of the act, error or omission including how you first became aware of the act, error or omission; and

(2) The names and addresses of any injured persons and witnesses and **claim** for **professional damages** which have or may result from such act, error or omission; and

(3) Any and all investigative or engineering reports, data or information about the act, error or omission, or **claim** for **professional damages**; and

(4) Copies of any relevant contracts between you and your client for **professional services**.

The **insured** shall take reasonable measures to protect their interests. We shall not be liable for **professional damages** or any other coverage afforded under this Policy admitted by the **insured** without our prior written consent.

b. **Pollution Incident or Claim for Damages**

You must see to it that we are notified in writing as soon as practicable of discovery of a **pollution incident** which may result in a **claim**, or receipt of a **claim**. To the extent possible, notice should include:

(1) How, when and where the **pollution incident** took place; and

(2) The names and addresses of any injured persons and witnesses; and

(3) The nature and location of any injury or **damages** arising out of the **pollution incident**.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

The **insured** shall take reasonable measures to protect their interests. We shall not be liable for **damages** or any other coverage afforded under this policy admitted by the **insured** without our prior written consent.

The **insured** shall have the right and duty to retain an **environmental professional**, subject to our consent, to perform the investigation or remediation of any **pollution incident** covered by this insurance after **discovery** or you are notified of the existence of such **pollution incident**. We have the right, but not the duty, to review and approve all aspects of any such investigation or clean-up. Except for **emergency clean-up costs**, any costs incurred without our consent will not be covered under this policy or credited against the retention.

c. **Cooperation**

You and any other involved **insured** must:

(1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the **claim** for **professional damages** or suit; and

(2) Authorize us to obtain records and other information; and

(3) Cooperate with us in the investigation or settlement of the **claim** for **professional damages** or defense against the suit; and

(4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the **insured** because of injury or **damages** to which this policy may also apply; and

(5) Take reasonable measures to protect their interests.

If we are prohibited under applicable law from investigating, defending or settling any such **claim** or suit, the **insured** shall, under our supervision, arrange for such investigation and defense thereof as is reasonably necessary, and subject to our prior authorization, shall effect such settlement thereof.

d. **Voluntary Payment**

No **insured** will, except at that **insured's** own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our prior written consent.

If we are prohibited under applicable law from investigating, defending or settling any such **claim** or suit, the **insured** shall, under our supervision, arrange for such investigation and defense thereof as is reasonably necessary, and subject to our prior authorization, shall effect such settlement thereof.

e. **Clean-Up Costs**

When any **insured** becomes obligated to pay **clean-up costs** to which this policy applies, the **insured** must:

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

1. Attempt to minimize and mitigate such costs as reasonably and necessary; and

2. Obtain our prior written approval for any costs, charges or expenses incurred by the **insured** for materials supplied or services performed by the **insured**; and

3. Submit, for our approval, all proposed work prior to submittal to any regulatory agency; and

4. Submit, for our approval, all bids and contracts for **clean-up costs** prior to execution or issuance; and

5. Forward progress submittals regarding **clean-up costs** at reasonable intervals and always prior to submittal to any regulatory agency that is authorized to review and approve such submittals.

We have the right, but not the duty, to review and approve all aspects of any such investigation or **clean-up costs**. In addition, we shall have the right, but not the duty to assume direct control of such **clean-up costs**, including investigation or remediation of such **pollution incident**, on behalf of the insured. Any **clean-up costs** incurred by us shall be applied against the applicable Retention and applicable Limit of Liability shown in the Declarations of this policy.

f. **Emergency Clean-Up Costs**

In the event of **emergency clean-up costs**, the **insured** may select an **environmental professional** without our prior consent. Except for **emergency clean-up costs**, any costs incurred without our consent will not be covered under this policy or credited against the Retention.

As a condition precedent for coverage of **emergency clean-up costs** under this policy, we must be notified by the **insured** as soon as practicable of such **emergency clean-up costs**. When **emergency clean-up costs** have been incurred, the **insured** shall forward to us within seven (7) consecutive days of the commencement of the **pollution incident** for which the **emergency clean-up costs** have been incurred all information including but not limited to: the cause and location of the **pollution incident**, technical reports, laboratory data, field notes, expert reports, investigations, data collected, invoices, regulatory correspondence or any other documents relating to such **emergency clean-up costs**. We retain the right to determine which **emergency clean-up costs** are deemed reasonable and necessary.

18 **Economic and Trade Sanctions**

If coverage for a **claim** or suit under this policy is in violation of any United States of America economic or trade sanctions, including but not limited to, sanctions administered and enforced by the United States Treasury Department's Office of Foreign Assets Control ("OFAC"), then coverage for that **claim** or suit will be null and void.

19 **Policy Territory**

This policy shall only apply to a **claim** arising out of your operations or services covered under this Policy and conducted worldwide, provided the **claim** is first brought in the United States, or its territory or possessions or anywhere else in the world, provided the insured's responsibility to pay is determined in a) a proceeding on the merits in the United States of America (including its territories and possessions), Puerto Rico and Canada; or b) a settlement agreed to by us.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

20. **Headings**

The descriptions in the headings and sub-headings of this policy are inserted solely for convenience and do not constitute any part of the terms or conditions of this policy.

SECTION VI – DEFINITIONS

1. **Bodily injury** means bodily injury, physical injury, sickness, building-related illness, disease, including death resulting therefore or mental anguish, emotional distress or shock sustained by any person and associated medical and environmental monitoring for such person.

2. **Claim** means demand, notice or assertion of a legal right seeking a remedy or alleging liability or responsibility on the part of the **insured**.

3. **Claim expense** means expenses we incur to investigate, settle or defend any **claim** or suit; or expenses to investigate or adjust **clean-up costs**, including:

   a. All reasonable expenses incurred, at our request, by the **insured** to assist us in the investigation or defense of the **claim** or suit, including an **insured's** actual loss of earnings up to $500 a day because of time off from work;

   b. All court costs taxed against the **insured** in the suit. However, these payments do not include attorneys' fees or attorneys' expenses taxed against the **insured**;

   c. Prejudgment interest awarded against the **insured** on that part of the judgment we pay. If we make an offer to pay the applicable Limit of Liability, we will not pay any prejudgment interest based on that period of time after the offer; and

   d. All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable Limit of Liability.

   Claim expense does not include: (1) Fees and expense of counsel retained by the **insured** unless approved in writing by us, prior to the retention of such counsel; or (2) salary charges of our employees; or (3) **Emergency clean-up costs**; or (4) **Mitigation expense**.

4. **Client** means the individual or entity who hires the **named insured** to perform **your work**.

5. **Clean-up costs** means reasonable and necessary expenses, including legal expenses and **restoration costs**, resulting from **environmental damage** incurred to investigate, abate, contain, treat, remove, remediate, monitor, or dispose of soil, surface water, groundwater or other contaminated media.

6. **Completed operations** means **your work** that has been completed.

   Your work is deemed complete at the earliest of the following times:

   a. **Your work** to be performed under a contract is completed; or

   b. **Your work** to be performed at a **project site** has been completed; or

   c. When a portion of **your work** has been put to its intended use.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

Completed operations do not include **your work** that has been abandoned.

7. **Conveyance** means only motor vehicle, trailer or semi-trailer, rollingstock, watercraft or aircraft operated by you or a third-party carrier, provided you or such third-party carrier are properly permitted and licensed to transport such goods, materials, product or waste. **Conveyance** does not include pipelines.

8. **Damages** means:

   a. Monetary judgment, awards or settlement of compensatory damages for **bodily injury**, **property damage**, **environmental damage** or **clean-up costs**;

   b. **Clean-up costs** including **emergency clean-up costs**;

   c. Punitive, exemplary or multiplied damages for which the **insured** is legally liable, but only where insurance coverage for such fines and penalties is allowable by law;

   d. Civil fines and penalties assessed against a client for which the **named insured** is legally liable, but only where insurance coverage for such fines and penalties is allowable by law;

   e. Civil fines, penalties, assessed against the **insured**, but only where insurance coverage for such fines and penalties is allowable by law;

   f. **Restoration costs**; and

   g. **Claim expense** associated with items a. through f. referenced above.

   Damages does not include: (1) injunctive or equitable relief; or (2) the return of fees or charges for services rendered.

9. **Discovery** means when an **insured** first has knowledge of a **pollution incident**.

10. **Emergency clean-up costs** means **clean-up costs** incurred by the **named insured** in response to a **pollution incident** that:

    a. Presents an imminent and substantial threat to human health or the environment, or both; or

    b. Requires an immediate response in order to mitigate or reduce potential **damages**.

    You must see to it that we are notified as soon as practicable of a **pollution incident** which may result in or required **emergency clean-up costs** under this policy. When **emergency clean-up costs** have been incurred, the **named insured** shall forward to us within seven (7) days of the commencement of the **pollution incident** for which the **emergency clean-up costs** have been incurred all information including but not limited to: the cause and location of the **pollution incident**, technical reports, laboratory data, field notes, expert reports, investigations, data collected, invoices, regulatory correspondence or any other documents relating to such **emergency clean-up costs.** Such expenses must be deemed reasonable and necessary by the Company.

11. **Environmental damage** means physical damage to soil, any water course or body of water including groundwater, atmosphere including indoor air, plant or animal life, or to buildings or other structures caused by a **pollution incident** and resulting in remediation activities. **Environmental damage** does not include **property damage**.

12. **Environmental law** means any federal, state, provincial, municipal or other local laws, statutes, ordinances, rules, guidance documents, regulations, administrative orders and directives and all amendments thereto, including state voluntary clean-up or risk-based corrective action guidance.

13. **Environmental professional** means an individual or entity approved by us in writing that is licensed

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

and certified to provide environmental services. We shall consult with you in conjunction with the selection of the **environmental professional**.

14. **Fungi** means any of numerous eukaryotic organisms of the kingdom Fungi, which lack chlorophyll and vascular tissue and range in form from a single cell to a body mass of branched filamentous hyphae that produce specialized fruiting bodies.

15. **Insured(s)** means:

    a. The **named insured**;

    b. Any present or former partner, director, officer, manager, member or employee, including a **leased worker** and a **temporary worker**, of the **named insured** solely while acting on behalf of the **named insured**;

    c. Any **insured** with regard to its participation in a legal entity including a joint venture, but solely for the **insured's** legal liability for its performance of **professional services** or **your work** under the respective legal entity or joint venture. **Insured** does not include the legal entity itself, the joint venture itself or any other entity that is part of either the legal entity or joint venture, except as respects liability assumed by the **insured** for a **pollution incident**;

    d. With regard to SECTION I - INSURING AGREEMENTS, 2. Contractors Pollution Liability only, any client of the **named insured** that the **named insured** has agreed by written contract to name as an additional **insured** on this policy, but only with respect to covered **damages** caused by **your work**;

    e. Any entity which is specifically referenced as an **insured** by endorsement;

    f. The estate, heirs, executors, administrators or legal representatives of an **insured** in the event of such **insured's** death, incapacity or bankruptcy but only to the extent such **insured** would otherwise be provided coverage under this policy;

    g. Any entity newly formed or acquired by the **named insured** during the **policy period** in which the **named insured** has more than fifty percent (50%) legal or beneficial interest. However:

        (1) Coverage will only be provided for **claims** arising out **professional services** or **your work** performed on or after the date of formation or acquisition; and

        (2) This coverage will expire within ninety (90) days of such formation or acquisition or the end of the **policy period**, whichever is earlier, unless the **named insured** provides written details of such newly formed or acquired entity to us and pays the additional premium requested by us, if any.

16. **Insured contract** means that part of any written contract or written agreement under which the **named insured** assumes the tort liability of another party to pay compensatory damages for **bodily injury**, **property damage**, **environmental damage** or **emergency response expense**, to a third person or organization, provided that such written contract or written agreement is signed by the **named insured** prior to the **bodily injury**, **property damage**, **environmental damage** or **emergency response expense**. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

17. **Leased worker** means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. **Leased worker** does not include a **temporary worker**.

18. **Location** means premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

19. **Microbial matter** means **fungi**, **mold**, bacteria or viruses which reproduce through the splitting of cells, the release of spores or by any other means, whether or not such **microbial matter** is living.

20. **Misdelivery** means the delivery of any liquid product into a wrong receptacle or to a wrong address or the erroneous delivery of one liquid product for another.

21. **Mitigation Expense** means the cost and expense incurred by the **insured** in connection with an act, error or omission in the performance of or failure to perform **professional services**:

    a. That is deemed by the Company, to be reasonable and necessary to prevent **professional damages**; and

    b. That reduce or avoids the **insured's** potential liability to third parties for **professional damages** covered under Insuring Agreement 1.a. of this policy; and

    c. That includes, but is not limited to, third-party consultation regarding disputed design flaws, additional reviews and inspections, forensic analysis of designs, and any other costs to remedy the deficiency; and

    d. Which in the sole discretion of the Company will prevent a future **claim**.

    Mitigation Expense does not include: overhead, mark-up, profit or cost or expense incurred by the **insured** for materials supplied or services performed by the **insured**, unless such costs, charges or expenses are incurred with our prior written consent.

22. **Mold** means any of the various **fungi** responsible for the disintegration of organic or inorganic matter, or the growth of such **fungi**.

23. **Named insured** means the person or entity named in ITEM 1. of the Declarations and is responsible for acting on behalf of all other **insureds**, if any, under this policy as described SECTION V – Conditions, 10. Sole Agent.

24. **Natural resource damage** means physical injury to or destruction of, including the resulting loss of value of, land, fish, wildlife, biota, air, water, groundwater, drinking water supplies, and other such resources belonging to, managed by, held in trust by, appertaining to, or otherwise controlled by the United States (including the resources of the fishery conservation zone established by the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. 1801 et seq.), any state, local or provincial government, any foreign government, any Native American tribe, or, if such resources are subject to a trust restriction on alienation, any member of a Native American tribe.

25. **Non-owned site** means any site or location used by the **insured** for the purpose of treatment, storage, disposal, recycling or processing of waste or material provided that:

    a. The site or location is not owned, leased, managed or operated by the **insured**; and

    b. The waste or material was generated from **your work** during the **policy period**.

    Non-owned site does not include: (1) Any site or location which is not licensed by the appropriate state or federal authority to perform storage, disposal, processing or treatment of waste from your operations or **your work** in compliance with **environmental law**; or (2) Any site or **location** or any part thereof that has been subject to a consent order or corrective action under **environmental law** or is listed or proposed to be listed on the National Priorities List (NPL) prior to waste from your operations or **your work** being legally consigned for delivery or delivered for storage, disposal, processing or treatment.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

26. **Occurrence** means an event or circumstance, including the continuous or repeated exposure to substantially the same general conditions, that precipitates and results in a **pollution incident**.

27. **Policy period** means the period of time as shown in ITEM 2. of the Declarations, however, if the policy is cancelled in accordance with SECTION V – CONDITIONS, 5. Cancellation, of this policy, the **policy period** ends on the effective date of such cancellation.

28. **Pollution incident** means:

    a. The discharge, emission, seepage, migration, dispersal, release or escape of any **pollutants** into or upon land, or any structure on land, the atmosphere including indoor air or any watercourse or body of water including groundwater, provided such conditions are not naturally present in the environment in the concentration or amounts discovered;

    b. The presence of **microbial matter** on, at or within buildings or structures;

    c. **Misdelivery**; and

    d. The presence of **pollutants** that have been illegally disposed of or abandoned at **your insured location** or at a **project site** by parties other than the **insured** provided such disposal or abandonment are unknown to the **insured**.

29. **Pollutants** means any solid, liquid, gaseous or thermal irritant or contaminant, including: smoke, vapors, soot, fumes, acids, alkalis, chemicals, hazardous substances, petroleum hydrocarbons, low level radioactive waste and material; **Microbial matter;** legionella pneumophila; medical, infectious and pathological waste; waste materials; and electromagnetic fields.

30. **Professional damages** means:

    a. Monetary judgment, awards or settlement of compensatory damages;

    b. Punitive, exemplary or multiplied damages for which the **insured** is legally liable but only where insurance coverage for such fines and penalties is allowable by law;

    c. Civil fines , penalties, assessed against a third party other than the **insured** for which the **insured** is legally liable but only where insurance coverage for such fines and penalties is allowable by law;

    d. Civil fines and penalties assessed against the **insured** but only where insurance coverage for such fines and penalties is allowable by law; and

    e. **Claim expense** associated with items a. through d. above.

    Professional damages does not include: (1) Injunctive or equitable relief; (2) The return of fees or charges for services rendered; (3) Costs and expenses incurred by the **insured** to redo, change, supplement or fix the **insured**'s work or services, including redesign; or; (4) Any of the **insured**'s overhead, mark-up or profit.

31. **Professional services** means those services and activities shown in ITEM 6. of the Declarations or specifically defined by endorsement that are rendered by or on behalf of the **named insured**.

    Professional services include ordinary technology services provided for others in the course of rendering **professional services** described above. Such technology services include the design, development, programming, analysis, training, use, hosting, management, support and maintenance of

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

any building information management, software, database, internet service, or website.

32. **Project site** means:

a. The **location** where **your work** is performed; or

b. A site that is rented or leased by you or loaned to you and utilized in direct support of **your work** for a specific contract or project.

Project site does not include **your insured location**.

33. **Property damage** means:

a. Physical injury to or destruction of tangible property, other than the **insured's**, including the resulting loss of use and diminished value of that property;

b. Loss of use or diminished value of tangible property of parties, other than the **insured's,** that has not been physically injured or destroyed or

c. **Natural resource damage**.

Property damage does not include **clean-up costs** or **environmental damage**.
For the purpose of this insurance, electronic data is not tangible property. As used in this definition, electronic data means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software, including systems and applications software, hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

34. **Responsible manager** means any of your officers, directors, partners or managers**,** your manager or supervisor responsible for health and safety or environmental affairs, control or compliance or any other employee authorized by you to give or receive notice of an **occurrence** or **claim**.

35. **Restoration costs** means reasonable and necessary expenses incurred by an **insured,** with our written consent, to repair or replace damaged real or personal property to substantially the same condition it was in prior to being damaged because of **clean-up costs.**. If repair or replacement results in kind or quality exceeding that of the real or personal property before it was damaged, whether at your option or not, we will not pay for the amount of the betterment.

36. **Retroactive date** means the applicable coverage section date set forth in ITEM 7. of the Declarations and from which coverage as provided herein first begins.

37. **Temporary worker** means a person who is furnished to you to substitute for a permanent worker on leave or to meet seasonal or short-term workload conditions.

38. **Transportation** means the movement, via a **conveyance**, of goods, materials, product, or waste which is a result of work or operations insured under this policy. **Transportation** includes the movement from the point of origin until the final destination and any loading and unloading of such goods, materials, product or waste into, onto or from such **conveyance**.

39. **Underground storage tank** means any tank that has at least ten percent (10%) of its volume below ground at inception of the **policy period**, or installed thereafter including associated underground piping and apparatus connected to the tank.

40. **Your work** means:

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

a. Contracting services, work or operations as stated in the application or by endorsement performed by the **insured** or on behalf of the **insured** at a **project site**; and

b. Goods, materials, products or equipment furnished in connection with such work or operations.

41. **Your insured location** means any real property or location owned, leased or rented by the **named insured** and disclosed in the Application (in Section IV. Additional Coverage Information, 1. Your Owned Location Liability Coverage Information) or Questionnaire, or both, or other information submitted to us that forms the basis of coverage, or a location approved by us and listed in the Your Location Schedule endorsed on to this policy. **Your insured location** does not include **project site**.

Includes copyrighted material of Insurance Services Offices, Inc. with its permission.

DEIG&AS-01 KLEKKI

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/26/2020

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 Insurance Services HQ LLC 904 S Route 31 Mc Henry, IL 60050	CONTACT NAME PHONE (A/C, No, Ext) (815) 385-8660 FAX (A/C, No) (815) 385-8727 E-MAIL ADDRESS
INSURED Deigan & Associates, LLC 28835 N Herky Dr. Unit 120 Lake Bluff, IL 60044	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A Westchester Surplus Ins. Co. — 10172 INSURER B Auto Owners Ins. Co — 18988 INSURER C Allmerica Financial Benefit Insurance Company — 41840 INSURER D INSURER E INSURER F

COVERAGES **CERTIFICATE NUMBER:** **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 CLAIMS.

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:	X	X	G71561963 002	9/12/2020	9/12/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG POLLUTION LIAB	$ 2,000,000 $ 50,000 $ 10,000 $ 2,000,000 $ 2,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY	X		5250555200	9/12/2020	9/12/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLA MS-MADE DED X RETENTION $ 0	X		G71561987 002	9/12/2020	9/12/2021	EACH OCCURRENCE AGGREGATE	$ 1,000,000 $ 1,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: N If yes, describe under DESCR PTION OF OPERATIONS below	N / A	X	W2CH352905	10/1/2020	10/1/2021	X PER STATUTE OTH-ER E.L. EACH ACC DENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
A	Professional Liab			G71561963 002	9/12/2020	9/12/2021	Occurrence/Aggregate	2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Curran Job #09-20-0001, Illinois Tollway Contract I-18-4704

Curran Contracting Company, Illinois State Toll Highway Authority, Union Pacific Railroad, Chicago Department of Aviation, Federal Aviation Administration, Illinois Department of Transportation, Cook County Department of Transportation and Highways, DuPage County Division of Transportation, City of Des Plaines, Elk Grove Village, City of Chicago, Groot Industries Inc., XPO Logistices, MWRDGC, and Joint Action Water Agency are named as Additional Insureds on a Primary and Non-Contributory basis with respects to General Liability. The Additional Insureds are Additional Insured on the Auto Liability. Waiver of Subrogation applies to General Liability and Workers Compensation policies in favor of Additional Insureds. Umbrella follows form.

CERTIFICATE HOLDER

Curran Group, Inc. (09-20-0001)
286 Memorial Court
Crystal Lake, IL 60014

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 [redacted]

© 1988-2015 ACORD CORPORATION. All rights reserved.
The ACORD name and logo are registered marks of ACORD

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

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
As required by written contract or agreement signed by both parties prior to a loss to which this insurance applies.	**N/A**
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" or "personal and 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.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

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 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.

 © Insurance Services Office, Inc., 2012

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

© Insurance Services Office, Inc., 2012

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
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
As required by written contract or agreement signed by both parties prior to a loss to which this insurance applies.	**N/A**
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" 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".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

© Insurance Services Office, Inc., 2012

Westchester
A Chubb Company

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

Named Insured			Endorsement Number
Deigan & Associates LLC			
Policy Symbol	Policy Number	Policy Period	Effective Date of Endorsement
ECP	G71561963 002	09/12/2020 **to** 09/12/2021	09/12/2020
Issued By (Name of Insurance Company)			
Westchester Surplus Lines Insurance Company			

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

THIS ENDORSEMENT MODIFIES INSURANCE PROVIDED UNDER THE FOLLOWING:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTOR'S POLLUTION LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary and Noncontributory Insurance

This policy is primary to, and will not seek contribution from, any other insurance available to an additional insured under this policy, provided that:

a. The additional insured is a named insured under such other insurance; and

b. You have agreed in a written contract or agreement that this insurance would:

(1) act as primary insurance; and

(2) would not seek contribution from any other insurance available to the additional insured.

All other terms and conditions of this policy remain unchanged.

Includes copyrighted material of Insurance Services Office, Inc. with its permission

Named Insured			Endorsement Number
Deigan & Associates LLC			
Policy Symbol	Policy Number	Policy Period	Effective Date of Endorsement
ECP	G71561963 002	09/12/2020 **to** 09/12/2021	09/12/2020
Issued By (Name of Insurance Company)			
Westchester Surplus Lines Insurance Company			

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS POLLUTION LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization:
Any person or organization that is an owner of real property or personal property on which you are performing operations, or a contractor on whose behalf you are performing operations, and only at the specific written request of such person or organization to you, wherein such request is made prior to commencement of operations.

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

The **TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US Condition** is amended by the addition of the following:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or **your work** done under a contract with that person or organization and included in the **products-completed operations hazard**. This waiver applies only to the person or organization shown in the Schedule above.

All other terms and conditions remain the same.

Includes copyrighted material of Insurance Services Office, Inc. with its permission

58504 (1-15)

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE - BLANKET COVERAGE

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTO POLICY

SECTION II - COVERED AUTOS LIABILITY COVERAGE is amended. The following provision is added. Any person or organization is an **insured** for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an **insured** under **SECTION II - COVERED AUTOS LIABILITY COVERAGE, A. COVERAGE, 1. Who Is An Insured.**

All other policy terms and conditions apply.

 Includes copyrighted material of Insurance Services Office, Inc., with its permission.

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 anyone not named in the Schedule.

Schedule

THIS ENDORSEMENT APPLIES AS A BLANKET WAIVER
OF SUBROGATION FOR THOSE PARTIES HAVING A WRITTEN
CONTRACT WITH THE POLICYHOLDER REQUIRING A WAIVER
OF SUBROGATION FOR WORKERS COMPENSATION COVERAGE OF THE
POLICYHOLDERS EMPLOYEES.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective Policy No. Endorsement No.
Insured Premium

Insurance Company Countersigned by _____

Copyright 1983 National Council on Compensation Insurance.