

RESOLUTION NO. 21284

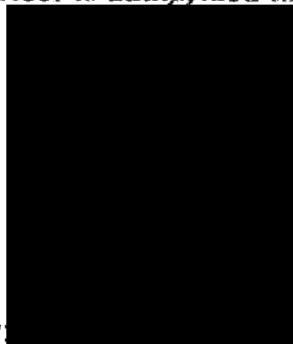
Background

It is necessary and in the best interest of The Illinois State Toll Highway Authority (the "Tollway") to obtain Design Studies for preparation of an Environmental Impact Statement (EIS) and related reports, on the Illinois Route 53/120, under Contract No. I-16-4266. The team of CH2M Hill, Inc. and Knight E/A, Inc. has submitted a proposal to provide the services for an upper limit of compensation not to exceed \$25,000,000.00. The proposal is for professional services and the services were procured pursuant to 30 ILCS 500/30-15 of the Illinois Procurement Code.

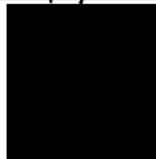
Resolution

The Chief Engineering Officer is authorized to negotiate an agreement with CH2M Hill, Inc. and Knight E/A, Inc. to obtain Design Studies, for Contract No. I-16-4266, with an upper limit of compensation not to exceed \$25,000,000.00, subject to review and approval of the Acting General Counsel. The Chairman or the Executive Director is authorized to execute the Agreement and the Chief Financial Officer is authorized to issue warrants in payment thereof.

Approved by



Chairman





July 5, 2017

Ms. Lidia Pilecky, Vice President
CH2M Hill, Inc. / Knight E/A, Inc. TM
8735 West Higgins Road, Suite 400
Chicago, IL 60631

**Re: Contract I-16-4266
IL 53/IL
Environmental Impact Statement (EIS) and
Related Reports
Design Section Engineering Services**

NOTICE TO PROCEED

Dear Ms. Pilecky:

We are pleased to notify you that the Tollway's Board of Directors has approved your proposal dated May 11, 2017, for Design Section Engineering Services for Contract I-16-4266. You are hereby authorized to commence with the work as of July 3, 2017, and as defined in Exhibit "F" Scope of Work contained in your proposal. A duplicate original of the contract will follow shortly by mail.

In advance of your first billing, the prime and subconsultants (if any) must submit a certified payroll with a signed affidavit for all employees that are listed on the Exhibit C-3 in your contract. The certified payroll should have an effective date after, but within three weeks the effective date of this Notice to Proceed. This document may be submitted by U.S. Mail, other delivery services or by e-mail. Hard copies should be addressed to the attention of **Disbursement Control Supervisor**. The envelope containing the document should be clearly marked "Certified Payroll". The required Certified Payroll may also be delivered electronically to the following address: accountspayable@getipass.com. Please send either hard copy or electronic copy, but not both. We request the certified payroll in advance so that upon receipt of your first invoice, any associated issues regarding payroll have an opportunity to be resolved.

This contract is subject to the Illinois Procurement Code 30 ILCS 500. The code requires the General Contractor awarded a Tollway contract to submit certification/disclosure forms from subcontractors of all tiers whose contract value exceeds \$50,000. If you have not already submitted the required documentation, the subcontractor forms must be submitted within **15 days** from this Notice-to-Proceed date or after execution of the sub-contract, whichever is later.

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.

Revised: 3/1/2017

ILLINOIS TOLLWAY

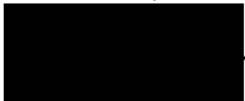
2700 Ogden Avenue | Downers Grove, IL 60515 | p. 630.241.6800 | TTY 630.241.6988
www.illinoistollway.com

Contract I-16-4266
Notice to Proceed
Page 2 of 2

In accordance with Design Section Engineer's Manual, Section 7.0 - Quality Assurance, we are requesting submittal of your Consultant Quality Plan, via Tollway's Web-Based Project Management System, within 14 days of receiving this Notice to Proceed, for approval by the Chief Engineering Officer.

Please contact Pete Foernssler at 630-241-6800 extension 3812 for further information.

Sincerely,



Clarita R. Lee

for

Paul D. Kovacs, P.E.
Chief Engineering Officer
PDK: cmhg

cc: Greg Stukel
Pete Foernssler
John Donato
Contract Services
Program Controls
Lane Closures

Dorothy Jablonski
Sue Biggs
Victoria Santiago

File: 02.4266.01.04 LT_Tollway_PDK_4266CH2MHill_Knight_TM-NTP_07052017

We will be administering this contract similar to an Upon Request contract, where we will be negotiating tasks after the board approval of the contract, which will allow us the flexibility to address tasks as they approach. The subs exhibits do not have to be completed at this time, but do need to be completed prior to them beginning work on the project. Here are the steps:

- >>
- >> 1. (CH & Knight) CH and Knight complete their respective exhibits and the JV exhibits (combining CH and Knight's exhibits). The proposal exhibit instructions and the Excel file is attached for a teaming proposal. The subs should be listed in Exhibit H and an appropriate amount of dollars allocated to each sub to meet the commitments made in your SOI. Non-engineering subconsultants (Nossaman, etc.) should be listed in Exhibit H as well. When we need them in the future, we will negotiate direct costs associated with their work.
- >>
- >> 2. (Tollway – PHF) Agreement and DSE Proposal. I will complete a draft this afternoon and forward them to you for your review. After you review them next week, I will forward a final PDF version for your signature(s). We will need 2 original copies of the Agreement and Proposal documents for internal routing and approval.
- >>
- >> 3. (Tollway – PHF) Mentor Protégé. I will talk to the Diversity department. What I am proposing is to include the MP documents that were included in the SOI for the time being. In the next few months, we may refine and finalize the MP agreement as the project unfolds. I will get back to you if this is not acceptable.
- >>
- >> Schedule
- >> I would like to have a draft of the exhibits by the EOD next Tuesday to begin our review and approval. My hope is we could finalize all the exhibits, agreements, etc. by Thursday.
- >>
- >>
- >> Call my cell phone or email with anything and I will jump right on it.
- >>
- >>
- >> Pete Foernssler, Deputy Chief of Program Implementation Illinois
- >> Tollway
- >> 2700 Ogden Avenue
- >> Downers Grove, IL 60515-1703
- >> 630.241.6800 x3812 - Office
- >> 630.364.0660 - Cell
- >> Peter.Foernssler@getipass.com<mailto:Peter.Foernssler@getipass.com>
- >>
- >> <09_DSE_PROPOSAL_2.8_MULTIPLIER_03012017.doc.docx>
- >> <Exhibit Instructions.pdf>
- >> <DSE Teaming Agreement (2.8 Multiplier).pdf> <02_Proposal Exhibits
- >> Blank 1-2016-Version 13-JV-Teaming.xlsm>

PSB 16-3 SOI Project Team: Prime and Sub-Consultant REQUIRED INFORMATION

Item # 2 I-16-4266 IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports.

Prime Consultant Information		Prime Contact Information (ONLY "1")			Diversity Information				NOTE: Provide only One (1) Person under Key Personnel		ISTHA		IDOT		OTHER	
Prime Consultant Firm Name	Prime FEIN Number	Contact Name (1)	Contact Phone Number (1)	Contact Email (1)	Is Firm a D/M/WBE Yes / No	Does Proposal Contain Mentor Protégé Proposal Yes / No	Percentage Commitment of D/M/WBE on Project, INCLUDING PRIME, IF DBE	Percentage Commitment of VOSB on Project, INCLUDING PRIME, IF VOSB	Key Personnel Project Manager (1)	Key Personnel Project Engineer / Resident Engineer (1)	Total Fee all Projects	Total Fee Remaining all Projects	Total Fee all Projects	Total Fee Remaining all Projects	Total Fee all Projects	Total Fee Remaining all Projects
CH2KNI_TM (CH2M HILL, Inc.)	59-0918189	Lidia Pilecky	773-458-2847 x43487	ldia.pilecky@ch2m.com	No	Yes	20.30%	1.00%	Lidia Pilecky, PE	Brian Connor, PE	\$ 104,171,543	\$ 18,820,000	\$ 21,864,000	\$ 8,102,000	\$ 35,527,000	\$ 2,569,000
Sub-Contractor Diversity Information: The below table represents the proposer's draft "Plan to Achieve Diversity Goal." The awarded consultant will finalize this Plan during negotiations based on the negotiated scope of work. The proposer's total DBE goal and proposed subconsultants shall not change, but the work category and percentage of work for each subconsultant may be adjusted, if necessary, during negotiations. NOTE: Review Instructions Tab																
Sub-Consultant Information		Sub Contact Information (ONLY "1")			Sub Role and % of Work											
For Each Sub-Consultant Enter Prime Consultant Firm Name	Sub-Consultant Firm Name	FEIN Number	Provide "1" Project Manager for Sub-Consultant	Role (brief) of Sub-Consultant	Contact Phone Number (1)	Contact Email (1)	Percentage (%) of work to be Performed by Sub-Consultant	IL UCP, City of Chgo or N/A	City of Chicago, Cook County or N/A	City of Chicago, Cook County or N/A	Yes or No	Yes or No	Choose from the dropdown menu below	Male or Female	Yes or No	
								DBE	WBE	MBE	SBA 8(a)	VOSB / SDVOSB	Ethnicity	Gender	M/P	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Knight)		Kevin E. Lentz, PE	(Teaming Partner) F	312-577-3381	kentz@knightea.com	29.00%	N/A	N/A	N/A	No	No	Caucasian	Male	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Americasun)		Coventine Fidis	Surveying and Mapping	312-277-2000	c.fidis@americasun.com	3.00%	IL UCP	N/A	City of Chicago	No	No	Hispanic	Male	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (CKL Eng)		Mae C. Whiteside	Highway Safety Analyst	312-763-2989	mwhiteside@ckleng.com	0.30%	IL UCP	City of Chicago	City of Chicago	No	No	African American	Female	Yes	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Collins)		James Hamelka, PE	Roadway Drainage	312-236-5117	jhamelka@collinseng.com	1.00%	N/A	N/A	N/A	No	Yes	Caucasian	Male	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (DAMA)		Bader Hafeez	Travel Demand Modeling	773-870-1595	bhafeez@damacons.com	1.50%	IL UCP	City of Chicago	Cook County	Yes	No	African American	Male	Yes	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (DB St)		Michael Hurtibise	Surveying	312-857-1006	mhurtibise@dbsterling.com	2.00%	IL UCP	N/A	City of Chicago	No	No	African American	Male	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (FluidC)		Marion Kessy	Drainage and Water	708-383-3500	admin@fluidclarity.com	2.50%	IL UCP	N/A	City of Chicago	No	No	African American	Male	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Geo S)		Andrew Ptak	Geotechnical Engineering	630-305-9186	julianrueda@geosun.com	1.00%	IL UCP	N/A	City of Chicago	No	No	Hispanic	Male	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Huff & S)		Linda Huff	Regulatory Agency	630-684-9100	lhuff@huffnhuff.com	2.00%	N/A	N/A	N/A	No	No	Caucasian	Female	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Image)		Tracy Morse	Public Involvement	312-498-4274	tracy.morse@images.com	3.00%	IL UCP	N/A	N/A	Yes	No	Caucasian	Female	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Kabbes)		Karen Kabbes	Sustainable Design	847-842-9663	kckabbes@kabbes.com	0.50%	IL UCP	N/A	N/A	No	No	Caucasian	Female	No	
CH2KNI_TM (CH2M HILL, Inc.)	CH2KNI_TM (Midwest)		Jay Martinez	Cultural Resources	815-568-0680	jmartinez.mars@gm.com	0.30%	N/A	N/A	N/A	Yes	No	Caucasian	Male	No	

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CH2KNI_TM (CH2M HILL, Inc.) CONTINUED FROM PREVIOUS PAGE

PSB 16-3 SOI Project Team: Prime and Sub-Consultant REQUIRED INFORMATION

Item # 2 I-16-4266 IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports.

CH2KNI_TM (CH2M	CH2KNI_TM (Martinez)	Steve Martinez, CP	Aerial Mapping	651-686-8424	steve@mtzgeo.com	1.50% ✓	City of Chgo	N/A	N/A	No	No	Hispanic	Male	No
CH2KNI_TM (CH2M	CH2KNI_TM (Nossaman)	Edward Kussy	NEPA Legal Advisor	202-887-1464	ekussy@nossaman.com	0.50% ✓	N/A	N/A	N/A	No	No	Caucasian	Female	No
CH2KNI_TM (CH2M	CH2KNI_TM (SB Friedman)	Ranadip Bose	Land Use; Economic	312-384-2407	rbose@sbfriedman.com	2.00% ✓	N/A	N/A	N/A	No	No	Caucasian	Male	No
CH2KNI_TM (CH2M	CH2KNI_TM (TERRACON)	Jamil Bou-Saab	Interchange/Intersec	312-467-0123	jbousaab@terracon.com	2.50% ✓	N/A	City of Chicago	N/A	No	No	Caucasian	Female	Yes
CH2KNI_TM (CH2M	CH2KNI_TM (The Rodman Group)	Carmen Dean	Geometric Studies	312-624-8198	carmen@rodgrp.com	2.50% ✓	City of Chgo	N/A	City of Chicago	No	No	African American	Male	Yes

1.4.2 Item 2: I-16-4266, IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports

This project has a 18.00% D/M/WBE participation goal and 0.05% VOSB/SDVOSB participation goal.

The Tollway will partner with the Illinois Department of Transportation (IDOT) in the development of a Tiered Environmental Impact Statement (EIS).

1.4.2.1 SCOPE OF CONSULTANT SERVICES

Phase I engineering services are required for the preparation of a Tiered Environmental Impact Statement (EIS) and supporting documents for the IL 53/IL 120 project. The planning process will include an evaluation of multiple transportation modes and alternatives beginning at a conceptual level of detail, with engineering and environmental detail being added as the evaluation advances. Extensive stakeholder engagement will support and compliment the technical analyses. Key planning tools for Tier One may include, but are not limited to: stakeholder outreach based upon IDOT's Context Sensitive Solutions (CSS) Policy, Socioeconomic Forecasting, Travel Demand Modeling, and a Geographic Information System (GIS) database. Tier Two will build upon the Tier One findings, and involve continued stakeholder outreach, and further detailed engineering and environmental studies. Firms should be familiar with FHWA, IDOT, and Tollway policies and procedures.

IDOT and the Tollway will furnish the Consultant with existing data as available, or facilitate the collection of data as appropriate.

Construction estimate: \$2.6 billion.

Firms must be prequalified by IDOT in the following categories:

**Location/Design Studies (New Construction/Major Reconstruction)
Environmental Reports (Environmental Impact Statements)
Special Studies (Location Drainage)
Structures (Highway Bridges: Typical)**

The Tollway will allow a Prime consultant to meet the prequalification for Structures (Highway Bridges: Typical) through a subconsultant.

Statements of interest must include key personnel for this project, and must also include a proposed organizational chart for the team. Key personnel listed in Exhibit A for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The persons who will perform the duties of each major task lead; these persons would have the primary responsibility for coordination, analysis and development of project deliverables related to their assigned discipline. These task leads shall be included in the proposed organizational chart and listed on Exhibit A, and may include, but are not limited to:
 - The environmental lead, who will be responsible for but not limited to, the day-to-day management of the overall environmental work effort; the persons responsible for individual social, economic and environmental disciplines should also be listed. Environmental staffing listed in the SOI must match the staffing presented in the firm's most recently approved Statement of Experience and Financial Condition.
 - The planning lead, who will be responsible for, but not limited to, travel demand modeling, GIS database management, socioeconomic forecasting, purpose and need development, and alternatives development/evaluation (must have extensive NEPA experience, may be an Illinois Licensed Professional Engineer).
 - The engineering lead, who will be responsible for, but not limited to, concept engineering

work in Tier One and more detailed engineering work in Tier Two (must be an Illinois Licensed Professional Engineer).

- o The person(s) who will be responsible for preparing structural concepts (must be an Illinois licensed Structural Engineer).
- o The drainage lead, who will be responsible for, but not limited to, concept drainage engineering in Tier One, and more detailed drainage engineering in Tier Two (must be an Illinois Licensed Professional Engineer).
- o The public involvement lead, who will be responsible for, but not limited to, developing and supporting an overall Stakeholder Involvement process. Include a detailed description of CSS/public involvement work he/she has directed involving facilitation of public meetings and public hearings, organizing work groups and press conferences, drafting press releases and property owner contact letters, etc.
- o The person(s) who will perform the QC/QA review work of all milestone submittal documents. This person must be an Illinois Licensed Professional Engineer for roadway work, and an Illinois Licensed Structural Engineer for structural work; the QA/QC personnel must have adequate review experience for their assigned discipline.

Schedule: The overall contract is expected to be completed within 48 months after Notice to Proceed.

The Consultant must have MicroStation capabilities. All final documents shall be submitted in hard copy and electronic format and follow the CADD Standards Manual.

This project will be managed through the Tollway's web-based project management system. The Consultant will be required to participate in these procedures and will receive training on the system.

The Tollway will furnish the Consultant with guidelines for the Consultant's Quality Program (CQP). The CQP is due fourteen (14) days after Notice to Proceed.

The Consultant who is selected for this project will be notified and scheduled to attend a scope briefing at the Tollway Central Administration office building in Downers Grove.

1.4.1.2 ORAL PRESENTATIONS

Some or all of the firms submitting SOIs for the project may, at the sole discretion of the Tollway, be required to appear for an oral presentation. The oral presentations, if required, shall be conducted so as to solicit additional information and enable the Tollway to evaluate the capability of the applicable Offerors in providing the desired services. If the Tollway notifies a Offeror that an oral presentation is required, the Tollway shall inform that Offeror of the schedule, order and procedure for the presentation, including its content, time limits, and use of handouts and visual aids. The Tollway may tape record and/or videotape any presentations. The oral presentations, if any, shall be evaluated by the Selection Committee. Notwithstanding the foregoing, the Tollway emphasizes that it may elect to forego oral presentations for all or some Offerors. Consequently, all SOIs should be comprehensive and clear. No Offeror should rely upon the opportunity to present additional or clarifying information later.

Exhibit A – Proposed Staff

PSB 16-3

Please provide the information for the following Key Project Personnel, (Key Project Personnel are defined as those specific positions identified in each PSB Item, and are subject to approval by the Tollway if they change during contract performance), including the staff from the Sub Consultants. The personnel named in Exhibit A must also be listed on Exhibit D: Availability of Key Project Personnel

Project Manager (Items 1, 2 and 4)			
Name:	Lidia Pilecky, PE ✓		
Firm:	CH2M HILL, Inc.		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]		
Office Address:	8735 W. Higgins Rd, Ste 400		
City:	Chicago	State:	IL

Project Engineer (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Roadway Design (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Structural Design (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	Illinois Licensed Structural Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Drainage Design (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Architectural (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Architect		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Electrical Design (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Mechanical Design (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

Construction Engineer (Item 1)			
Name:	[REDACTED]		
Firm:	[REDACTED]		
Category:	IL Licensed Professional Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	[REDACTED]		
City:	[REDACTED]	State:	[REDACTED]

QA/QC (Items 1, 2) - Structures			
Name:	Keith Mockenhaupt, PE, SE ✓		
Firm:	CH2M HILL, Inc.		
Category:	IL Licensed Professional Engineer Illinois Licensed Structural Engineer		
License #:	[REDACTED]		
Year Registered:	[REDACTED]	State:	[REDACTED]
Office Address:	8735 W. Higgins Rd, Ste 400		
City:	Chicago	State:	IL

Exhibit A – Proposed Staff PSB 16-3, continued

The personnel named in Exhibit A must also be listed on Exhibit D: Availability of Key Project Personnel

Land Acquisition (Item 1)			
Name:			
Firm:			
Category:			
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

Environmental Lead (Item 2)			
Name:	Jeff Frantz ✓		
Firm:	CH2M HILL, Inc.		
Category:	N/A		
License #:	N/A		
Year Registered:	N/A	State:	N/A
Office Address:	8735 W. Higgins Rd, #400		
City:	Chicago	State:	IL

Engineering Lead (Item 2)			
Name:	Brian Connor, PE ✓		
Firm:	CH2M HILL, Inc.		
Category:	IL Licensed Professional Engineer		
License #:			
Year Registered:			
Office Address:	8735 W. Higgins Rd, Ste. 400		
City:	Chicago	State:	IL

Planning Lead (Item 2)			
Name:	Athreya Sreenivasan ✓		
Firm:	CH2M HILL, Inc.		
Category:	Extensive NEPA Experience		
License #:	N/A		
Year Registered:	N/A	State:	N/A
Office Address:	8735 W. Higgins Rd, Ste. 400		
City:	Chicago	State:	IL

Drainage Lead (Item 2)			
Name:	Marion Kessy, PhD, PE, LEED AP ✓		
Firm:	FluidClarity, Ltd.		
Category:	IL Licensed Professional Engineer		
License #:			
Year Registered:			
Office Address:	1144 W Lake Street, Ste 303		
City:	Oak Park	State:	IL

Structural Concepts Lead (Item 2)			
Name:	Bill Murphy, SE, PE, RA ✓		
Firm:	Knight E/A, Inc.		
Category:	Illinois Licensed Structural Engineer		
License #:			
Year Registered:			
Office Address:	221 N LaSalle St, Suite 300		
City:	Chicago	State:	IL

Public Involvement Lead (Item 2)			
Name:	Tracy Morse ✓		
Firm:	Images, Inc.		
Category:	N/A		
License #:	N/A		
Year Registered:	N/A	State:	N/A
Office Address:	1250 E. Diehl Road, #401		
City:	Wheaton	State:	IL

Program Manager (Item 3)			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer or IL Licensed Architect		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

Project Architect (Item 3)			
Name:			
Firm:			
Category:	IL Licensed Architect		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

QA/QC (Item 3)			
Name:			
Firm:			
Category:			
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

Exhibit A – Proposed Staff PSB 16-3, continued

The personnel named in Exhibit A must also be listed on Exhibit D: Availability of Key Project Personnel

Resident Engineer (Item 4)		
Name:		
Firm:		
Category:		
License #:		
Year Registered:		State:
Office Address:		
City:		State:

Materials Coordinator (Item 4)		
Name:		
Firm:		
Category:		
License #:		
Year Registered:		State:
Office Address:		
City:		State:

Document Technician (Item 4)		
Name:		
Firm:		
Category:		
License #:		
Year Registered:		State:
Office Address:		
City:		State:

Materials QA Technician (Item 4)		
Name:		
Firm:		
Category:		
License #:		
Year Registered:		State:
Office Address:		
City:		State:

QA/QC (Items 1, 2) – Highways**		
Name:	Richard Coakley, PE ✓	
Firm:	CH2M HILL, Inc.	
Category:	IL Licensed Professional Engineer	
License #:		
Year Registered:		
Office Address:	135 S. 84th St., #400	
City:	Milwaukee	State: WI

QA/QC (Items 1, 2) – Environmental**		
Name:	Charlie Webb ✓	
Firm:	CH2M HILL, Inc.	
Category:	N/A	
License #:	N/A	
Year Registered:	N/A	State: N/A
Office Address:	135 S. 84th St., #400	
City:	Milwaukee	State: WI

Deputy Project Manager**		
Name:	Christine Reed, PE ✓	
Firm:	Knight E/A, Inc.	
Category:	IL Licensed Professional Engineer	
License #:		
Year Registered:		
Office Address:	221 N LaSalle St, Suite 300	
City:	Chicago	State: IL

Required Prequalification Category**		
Name:		
Firm:		
Category:		
License #:		
Year Registered:		State:
Office Address:		
City:		State:

Public Involvement [IDOT Pre-qualified]		
Name:	Carla Mykytiuk ✓	
Firm:	CH2M HILL, Inc.	
Category:	N/A	
License #:	N/A	
Year Registered:	N/A	State: N/A
Office Address:	8735 W. Higgins Rd, Ste. 400	
City:	Chicago	State: IL

Required Prequalification Category**		
Name:		
Firm:		
Category:		
License #:		
Year Registered:		State:
Office Address:		
City:		State:

*If work is being performed by a Subconsultant list firm name also.

**Note the specific function listed in the Item description for Key Personnel

I-16-4266

OFFICE OF THE ILLINOIS SECRETARY OF STATE

JESSE WHITE
SECRETARY OF STATE

CORPORATION FILE DETAIL REPORT

File Number	57418753		
Entity Name	CH2M HILL, INC.		
Status	ACTIVE		
Entity Type	CORPORATION	Type of Corp	FOREIGN BCA
Qualification Date (Foreign)	08/04/1993	State	FLORIDA
Agent Name	C T CORPORATION SYSTEM	Agent Change Date	03/01/2007
Agent Street Address	208 SO LASALLE ST, SUITE 814	President Name & Address	JACQUELINE C HINMAN 9191 S JAMAICA ST. ENGLEWOOD CO 80112
Agent City	CHICAGO	Secretary Name & Address	SARAN K HILTY 9191 S JAMAICA ST. ENGLEWOOD CO 80112
Agent Zip	60604	Duration Date	PERPETUAL
Annual Report Filing Date	08/19/2016	For Year	2016

[Return to the Search Screen](#)[Purchase Certificate of Good Standing](#)

(One Certificate per Transaction)

OTHER SERVICES

[File Annual Report](#)[Adopting Assumed Name](#)[Articles of Amendment Effecting A Name Change](#)[Change of Registered Agent and/or Registered Office Address](#)[BACK TO CYBERDRIVEILLINOIS.COM HOME PAGE](#)

I-16-4266

OFFICE OF THE ILLINOIS SECRETARY OF STATE

JESSE WHITE
SECRETARY OF STATE

CORPORATION FILE DETAIL REPORT

File Number	60279969		
Entity Name	KNIGHT E/A, INC.		
Status	ACTIVE		
Entity Type	CORPORATION	Type of Corp	DOMESTIC BCA
Incorporation Date (Domestic)	12/30/1998	State	ILLINOIS
Agent Name	MELISSA M MULHERN	Agent Change Date	12/10/2003
Agent Street Address	221 N LASALLE ST STE 300	President Name & Address	KEVIN E LENTZ 3919 NORTH RIDGE ARLINGTON HEIGHTS 6000
Agent City	CHICAGO	Secretary Name & Address	MELISSA M MULHERN 3742 N LEAVITT CHICAGO IL 60618
Agent Zip	60601	Duration Date	PERPETUAL
Annual Report Filing Date	11/23/2016	For Year	2016
Old Corp Name	11/26/2003 - KNIGHT INFRASTRUCTURE, INC.		

[Return to the Search Screen](#)[Purchase Certificate of Good Standing](#)

(One Certificate per Transaction)

OTHER SERVICES

[File Annual Report](#)[Adopting Assumed Name](#)[Articles of Amendment Effecting A Name Change](#)[Change of Registered Agent and/or Registered Office Address](#)[BACK TO CYBERDRIVEILLINOIS.COM HOME PAGE](#)

I-16-4266

CH2M Hill

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:55 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

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= ****

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:55 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER ****. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= *

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:56 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

I-16-4266

CKL

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:56 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

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:56 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:56 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED]. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

I-16-4266

DB Sterlin

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:57 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED]. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:57 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:58 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

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:58 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

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:58 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER . PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:58 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED]. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:59 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=



OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 14:59 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED]. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 15:00 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

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER=

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 15:00 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER [REDACTED]. PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 15:00 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

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

14:55 05/15/17

ACTION: S

VENDOR NUMBER= [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 05/15/17 AT 15:02 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

D/M/WBE Certifications

Attachment to Exhibit A

American Surveying & Engineering, PC ✓

CKL Engineers, LLC ✓

Collins Engineers, Inc.

DAMA Consultants, Inc. ✓

DB Sterlin Consultants, Inc. ✓

FluidClarity, Ltd. ✓

GeoServices, Inc. ✓

Images, Inc.

Kabbes Engineering, Inc. ✓

Martinez Geospatial, Inc. ✓

TERRA Engineering, Ltd.

The Roderick Group

*I-16-4266***Vendor Information**

CLOSE WINDOW

HELP

Vendor Information

Business Name **American Surveying & Engineering, P.C.**
Owner **Coventine Fidis**
Address **150 NORTH WACKER DRIVE, SUITE 2650**
> [Map This Address](#) **CHICAGO, IL 60606**
Phone **312-277-2000**
Fax **312-277-2002**
Email **c.fidis@americansurvey.com**
Website **<http://www.americansurvey.com>**

Certification Information

Certifying Agency **City of Chicago**
Certification Type **MBE - Minority Business Enterprise**
Certification Date **2/15/2017**
Renewal Date **4/1/2018**
Expiration Date **4/1/2020**
Certified Business Description **NAICS 531390 Consultants', real estate (except appraisers), offices
NAICS 531390 Landman services
NAICS 541330 Engineering services
NAICS 541370 Land surveying services
NAICS 541370 Surveying and Mapping (except Geophysical) Services
NAICS 541370 Topographic mapping services**

Commodity Codes

Code	Description
NAICS 531390	Consultants', real estate (except appraisers), offices
NAICS 531390	Landman services
NAICS 541330	Engineering services
NAICS 541370	Land surveying services
NAICS 541370	Surveying and Mapping (except Geophysical) Services
NAICS 541370	Topographic mapping services

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I-164266

DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

APR 13 2015

Coventine Fidis
American Surveying & Engineering, P.C.
105 W. Madison, Suite 1700
Chicago, IL 60602

Dear Coventine Fidis:

We are pleased to inform you that **American Surveying & Engineering, P.C.** has been recertified as a **Minority-Owned Business Enterprise ("MBE")**, by the City of Chicago ("City"). This **MBE** certification is valid until **4/1/2020**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **4/1/2016, 4/1/2017, 4/1/2018, and 4/1/2019**. Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **4/1/2020**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **2/1/2020**.

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.

APR 18 2015

American Surveying & Engineering, P.C.

I-16-4266

Page 2 of 2

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 Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):

- 541330 - Engineering Services**
- 541370 - Surveying and Mapping (except Geophysical) Services**
- 541370 - Topographic mapping services**
- 541370 - Land surveying services**
- 531390 - Consultants', real estate (except appraisers), offices**
- 531390 - Landman services**

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 and Women-Owned Business Enterprise (MBE/WBE) Program.


Jamie L. Rhee
Chief Procurement Officer
JLR/dm

*I-16-4266***Vendor Information**

CLOSE WINDOW



HELP

Vendor Information

Business Name **Cheri K Lewis Engineers LLC, DBA CKL Engineers LLC**
Owner **Ms Mae Whiteside**
Address **700 N. Green Street**
> [Map This Address](#) **Suite 204**
Chicago, IL 60642
Phone **312-763-2989**
Fax **312-465-2781**
Email mwhiteside@ckleng.com
Website <http://www.ckleng.com>

Certification Information

Certifying Agency **City of Chicago**
Certification Type **WBE - Women Business Enterprise**
Certification Date **4/14/2017**
Renewal Date **3/16/2018**
Expiration Date **3/16/2021**
Certified Business Description **NAICS 237310 Construction management, highway, road, street and bridge**
NAICS 541330 Civil engineering services
NAICS 541330 Engineering consulting services
NAICS 541330 Erosion control engineering services

Commodity Codes

Code	Description
NAICS 237310	Construction management, highway, road, street and bridge
NAICS 541330	Civil engineering services
NAICS 541330	Engineering consulting services
NAICS 541330	Erosion control engineering services

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I-16-4266



Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

September 6, 2016

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Mae C. Whiteside
Cheri K. Lewis Engineers, LLC
dba CKL Engineers, LLC
700 N. Green St., Ste. 204
Chicago, IL 60642

To Whom It May Concern:

Cheri K. Lewis Engineers, LLC dba CKL Engineers, LLC's No Change Affidavit is presently under review. Until such time as a decision is rendered, the firm remains certified as a Disadvantaged Business Enterprise with the Illinois Unified Certification Program.

Should you have any questions, feel free to contact my office at (217) 782-5490.

Sincerely,

A black rectangular box redacting the signature of Debra A. Clark.

Debra A. Clark, Acting Bureau Chief
Bureau of Small Business Enterprises

I-16-4266

Vendor InformationCLOSE WINDOW  HELP**Vendor Information**

Business Name	DAMA Consultants, Inc.
Owner	BADEN Hafeez
Address	4524 W. Washington Suite 2
> Map This Address	Chicago, IL 60624
Phone	773-870-1595
Fax	773-751-5478
Email	bhafeez@damaconsultants.com
Website	http://damaconsultants.com

Certification Information

Certifying Agency	Cook County
Certification Type	MBE - Minority Business Enterprise
Certification Date	5/3/2017
Renewal Date	5/3/2018
Expiration Date	5/3/2021
Certified Business Description	Licensed Professional Services: Civil Engineering Design Services

Commodity Codes

Code	Description
NAICS 541330	Civil engineering services
NIGP 92533	Engineer Services, Professional (Inactive, effective January 1, 2016)

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I-16-4266

Vendor Information

CLOSE WINDOW



? HELP

Vendor Information

Business Name D B Sterlin Consultants, Inc., DBA N/A
Owner Reynold Sterlin
Address 123 N. Wacker Dr., Ste. 2000
 > [Map This Address](#) Chicago, IL 60606
Phone 312-857-1006
Fax 312-857-1056
Email rieune@dbsterlin.com
Website <http://www.dbsterlin.com>

Certification Information

Certifying Agency City of Chicago
Certification Type MBE - Minority Business Enterprise
Certification Date 2/28/2017
Renewal Date 4/15/2018
Expiration Date 4/15/2021
Certified Business Description NAICS 541330 Engineering services
 NAICS 541370 Surveying and mapping services (except geophysical)
 NAICS 541611 Administrative Management and General Management Consulting Services
 NAICS 541620 Environmental Consulting Services
 NAICS 237310 Construction management, highway, road, street and bridge
 NAICS 237990 Construction management, dam
 NAICS 237990 Construction management, marine structure
 NAICS 237990 Construction management, mass transit
 NAICS 237990 Construction management, outdoor recreation facility
 NAICS 237990 Construction management, tunnel

Commodity Codes

Code	Description
NAICS 237310	Construction management, highway, road, street and bridge
NAICS 237990	Construction management, dam
NAICS 237990	Construction management, marine structure
NAICS 237990	Construction management, mass transit
NAICS 237990	Construction management, outdoor recreation facility
NAICS 237990	Construction management, tunnel
NAICS 541330	Engineering services
NAICS 541370	Surveying and Mapping (except Geophysical) Services
NAICS 541611	Administrative Management and General Management Consulting Services
NAICS 541620	Environmental consulting services



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

JUN 13 2016

Reynold Sterlin
D B Sterlin Consultants, Inc.
123 N. Wacker Dr. 20th Floor
Chicago, IL 60606

Dear Reynold Sterlin:

We are pleased to inform you that **D B Sterlin Consultants, Inc.** has been recertified as a **Minority-Owned Business Enterprise ("MBE")** by the City of Chicago ("City"). This MBE certification is valid until **4/15/2021**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **4/15/2017, 4/15/2018, 4/15/2019, and 4/15/2020**. Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **4/15/2021**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **2/15/2021**.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE** 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

121 NORTH LASALLE STREET, ROOM 806, CHICAGO ILLINOIS 60602

I-16-4266

D B Sterlin Consultants, Inc.

JUN 18 2016

Page 2 of 2

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):

- 541330 - Engineering Services
- 541370 - Surveying and Mapping (except Geophysical) Services
- 541611 - Administrative Management and General Management Consulting Services
- 541620 - Environmental Consulting Services
- 237310 - Construction management, highway, road, street and bridge
- 237990 - Construction management, dam
- 237990 - Construction management, marine structure
- 237990 - Construction management, mass transit
- 237990 - Construction management, outdoor recreation facility
- 237990 - Construction management, tunnel

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 and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,


Rich Butler
First Deputy Procurement Officer
RB/nw



*I-16-4266***Vendor Information**CLOSE WINDOW  **HELP****Vendor Information**

Business Name	Fluidclarity Ltd., DBA FluidClarity
Owner	Marion E Kessy
Address	1144 W. Lake Street
> Map This Address	Suite 303
	Oak Park, IL 60301-1043
Phone	708-383-3500
Fax	708-383-3549
Email	adriana.rodriquez@fluidclarity.com
Website	http://www.fluidclarity.com

Certification Information

Certifying Agency	City of Chicago
Certification Type	DBE - Disadvantaged Business Enterprise
Certification Date	10/19/2016
Renewal Date	4/1/2017
Expiration Date	3/1/2021
Certified Business Description	NAICS 541330 Engineering services

Commodity Codes

Code	Description
NAICS 541330	Engineering services

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I-16-4266

DEPARTMENT OF PROCUREMENT SERVICES

CITY OF CHICAGO

AUG 26 2016

Julian Rueda
Geo Services, Inc.
805 Amherst Court, Suite 204
Naperville, IL 60565

Dear Julian Rueda:

We are pleased to inform you that **Geo Services, Inc.** has been recertified as a **Minority-Owned Business Enterprise ("MBE")** by the City of Chicago ("City"). This **MBE** certification is valid until **8/15/2021**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **Annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **8/15/2017, 8/15/2018, 8/15/2019, and 8/15/2020**. Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **8/15/2021**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **8/15/2021**.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than \$5,000 and not more than \$10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):

238210 – Electrical Contractors

238910 – Boring, Test Boring, Soil Test and Core Drilling for Construction

541330 – Civil Engineering Services

541380 – Environment, Geotechnical and Soil Testing Laboratories or Services

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 and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,

Richard Butler
First Deputy Procurement Officer

RB/do



547 W. Jackson Boulevard, Chicago, IL 60661

312.322.6900

metrarail.com

I-16-4266

July 1, 2016

Julian Rueda
Geo Services, Inc. d/b/a S & H Electric Company
805 Amherst Court - STE 204
Naperville, IL 60565-3448

Dear Mr. Rueda:

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 **July 1, 2017**. Notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in your certification that 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: 238910, 541380, 541330, 238210

Specialty: 238910 - Borings and Test Boring for Construction, Core and Soil Test Drilling
541380 - Materials Testing Laboratory Services
541330 - Geotechnical, Environmental, Construction Inspection Construction
QA/QC
238210 - Electrical Contractor

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,

Janice R. Thomas, CRPB
Senior Director
Office of Business Diversity and Civil Rights

JRT:dr

I-16-4266

Unified Certification Program - Search

Contractor Details

[Browse F.A.Q. Sheet \(/UCP/Search/Help\)](#)[Print](#)**Images, Inc.**

Tracy Morse
1250 E. Diehl Rd., Ste.
401, N
Naperville, IL 60563

County: DuPage**Email:** tracy.morse@imagesinc.net**Phone:** (630) 449-7876**Fax:** (630) 449-7876**Categories:** Miscellaneous, Professional**NAICS**

541613-Marketing
Consulting Services
541820-Public Relations
Agencies

Speciality

541613- MARKETING
CONSULTING SERVICES
541820- MISC: PUBLIC
RELATIONS
MISC: PUBLIC
INVOLVEMENT



547 W. Jackson Boulevard, Chicago, IL 60661

312.322.6900

metrail.com

I-16-4266

June 22, 2016

Karen C. Kabbes
Kabbes Engineering, Inc.
1250 S. Grove Ave. #200
Barrington, IL 60010-5066

Dear Ms. Kabbes:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Subpart D 26.61. Your next No Change Affidavit is due **June 21, 2017**. Notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in your certification that 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 firm's name will appear in the IL UCP directory, which is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed at 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: 541330

Specialty: 541330 – Water Resource and Environmental Engineering

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.

[Redacted]
Janice R. Thomas, CPPB
Senior Director
Office of Business Diversity and Civil Rights

JRT:am

Vendor InformationCLOSE WINDOW  HELP*I-16-4266***Vendor Information**

Business Name	Martinez Geospatial, Inc.
Owner	Mr. Anthony Martinez
Address	2915 Waters Road
> Map This Address	Suite 100
	Eagan, MN 55121
Phone	651-686-8424
Fax	651-686-8389
Email	john@mtzgeo.com
Website	http://www.mtzgeo.com

Certification Information

Certifying Agency	City of Chicago
Certification Type	DBE - Disadvantaged Business Enterprise
Certification Date	4/11/2016
Renewal Date	6/1/2017
Expiration Date	6/1/2017
Certified Business Description	NAICS 541370 Land surveying services NAICS 541370 Surveying and mapping services (except geophysical)

Commodity Codes

Code	Description
NAICS 541370	Land surveying services
NAICS 541370	Surveying and mapping services (except geophysical)
NIGP 30559	Maps, Engineer and Topographical
NIGP 90504	Aerial Photogrammetry Services
NIGP 90510	Aerial Surveys and Mapping Services (See 962-52 for Standard Survey and Mapping Services)
NIGP 90779	Surveying Services (Not Aerial or Research)
NIGP 91812	Analytical Studies and Surveys (Consulting)
NIGP 96252	Mapping Services (Including Cartography and Surveying Services, Not Aerial) (See 920-33 for Digitized Mapping Services) and 905-10 for Aerial Mapping and Survey Services)

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Vendor Information

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HELP

*I-16-4266***Vendor Information**

Business Name Terra Engineering, Ltd.
Owner Ms. Karen S. Steingraber
Address 225 W. Ohio St., 4th Floor
> [Map This Address](#) Chicago, IL 60654
Phone 312-467-0123
Fax 312-467-0220
Email ksteingraber@terraengineering.com
Website <http://www.terraengineering.com>

Certification Information

Certifying Agency City of Chicago
Certification Type WBE - Women Business Enterprise
Certification Date 2/17/2017
Renewal Date 4/1/2018
Expiration Date 4/1/2020
Certified Business Description NAICS 541320 Landscape architectural services
NAICS 541330 Engineering services
NAICS 541370 Surveying and mapping services (except geophysical)

Commodity Codes

Code	Description
NAICS 541320	Landscape architectural services
NAICS 541330	Engineering services
NAICS 541370	Surveying and mapping services (except geophysical)

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I-16-4266

APR - 2 2015

DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

Karen Steingraber
Terra Engineering, LTD.
225 W. Ohio Street, 4th Floor
Chicago, Illinois 60654

Dear Karen Steingraber:

We are pleased to inform you that **Terra Engineering, LTD.** has been recertified as a **Women Business Enterprise ("WBE")** by the City of Chicago ("City"). This **WBE** certification is valid until **04/01/2020**; 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 **04/01/2016, 04/01/2017, 04/01/2018, and 04/01/2019**. 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 **04/01/2020**. 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 **02/01/2020**.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **WBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;

121 NORTH LASALLE STREET, ROOM 806, CHICAGO ILLINOIS 60602

APR - 2 2015

Terra Engineering, LTD.

I-16-4266

Page 2 of 2

- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification **within 10 days** of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the **City's Inspector General at chicagoinspectorgeneral.org, or 866-IG-TIPLINE (866-448-4754).**

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than \$5,000 and not more than \$10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):

541320 – Landscape Architectural

541330 – Engineering Services

541370 – Surveying and Mapping Services (except geophysical)

Your firm's participation on City contracts will be credited only toward **Women Business Enterprise** goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,


Jamie L. Rhee
Chief Procurement Officer
JLR/gc

Vendor Information

CLOSE WINDOW



? HELP

*I-16-4266***Vendor Information**

Business Name The Roderick Group, Inc.
 Owner Rashod Johnson
 Address 1327 West Washington Blvd
 > [Map This Address](#) Suite 105
 Chicago, IL 60607
 Phone 312-624-8198
 Fax 773-289-0567
 Email rashod@rodgrp.com
 Website <http://www.rodgrp.com>

Certification Information

Certifying Agency City of Chicago
 Certification Type DBE - Disadvantaged Business Enterprise
 Certification Date 12/13/2016
 Renewal Date 10/15/2017
 Expiration Date 10/15/2019
 Certified Business Description 236220 Construction management, commercial and institutional building
 237130 Construction management, power and communication transmission line
 237310 Construction management, highway, road, street and bridge
 237990 Construction management, mass transit
 541330 Civil engineering services
 541330 Engineering design services
 541330 Engineering services
 541611 Administrative Management and General Management Consulting Services

Commodity Codes

Code	Description
NAICS 236220	Construction management, commercial and institutional building
NAICS 237130	Construction management, power and communication transmission line
NAICS 237310	Construction management, highway, road, street and bridge
NAICS 237990	Construction management, mass transit
NAICS 541330	Civil engineering services
NAICS 541330	Engineering design services
NAICS 541330	Engineering services
NAICS 541611	Administrative Management and General Management Consulting Services

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I-16-4266

DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

OCT 01 2014

Mr. Rashod Johnson
The Roderick Group, Inc.
1327 West Washington Blvd, Suite 105
Chicago, IL 60607

Dear Rashod Johnson:

We are pleased to inform you that **The Roderick Group, Inc.**, has been recertified as a **Minority Business Enterprise ("MBE")** by the City of Chicago ("City"). This **MBE** certification is valid until **10/15/2019**; 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 **10/15/2015, 10/15/2016, 10/15/2017, and 10/15/2018**. 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 **10/15/2019**. 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 **08/15/2019**.

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 Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

NAICS Code(s):

541330 – Engineering Services

541330 – Civil Engineering Services

541330 – Engineering Design Services

541611 – Administration and General Management Consulting Services

Your firm's participation on City contracts will be credited only toward **Minority 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 Business Enterprise (MBE) Program.

Sincerely,


Jamie L. Rhee

Chief Procurement Officer

JLR/cm

EXHIBIT F - Letter of Intent

Instructions: The Prime Vendor is required to submit a separate, signed Letter of Intent (LOI) from each VOSB certified vendor.

LOIs must be submitted with the Statement of Interest and must be signed by both parties. The Prime Vendor shall not prohibit or otherwise limit the VOSB certified vendor(s) from providing subconsultant proposals to other potential vendors. Each LOI must include the negotiated contract percentage and a detailed scope of work to be performed by each identified VOSB certified vendor. All LOI's shall be subject to Agency approval. Any changes involving or affecting the identified VOSB certified vendor may not be permitted without written approval of the procuring Agency.

Project Name: IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports Project/Solicitation Number: I-16-4266

Name of Prime Vendor: CH2M HILL, Inc. VOSB Compliance Contact: Lidia A. Pilecky, PE

Address: 8735 West Higgins Road, Suite 400

City: Chicago State: Illinois Zip Code: 60631

Telephone: 773-458-2847 x43847 Fax: 773-693-3823 Email: Lidia.Pilecky@ch2m.com

Name of Certified VOSB Vendor: Collins Engineers, Inc.

Address: 123 N. Wacker Drive, Suite 900 VOSB Compliance Contact: Kathleen T. Louder

City: Chicago State: IL Zip Code: 60606

Telephone: (312) 704-9300 Fax: (312) 704-9320 Email: klouder@collinsengr.com

Type of agreement: ☒ Services

Anticipated start date of the Certified VOSB Vendor: TBD

Proposed 1.00 % of Contract to be performed by the VOSB Vendor.

NOTE: The Prime Vendor must indicate the percentage of the estimated contract award that will be subcontracted to the certified VOSB Vendor.

Detailed description of work to be performed by the VOSB Vendor:

Engineering Support: (1) Roadway Engineer; (2) Drainage; (3) Structural Support

The Vendor and the certified vendor above hereby agree that upon the execution of a contract for the above-named project between the Vendor and the State of Illinois, the Certified VOSB Vendor will perform the scope of work in the percentage as indicated above.

Vendor (Company Name and D/B/A):

[Redacted]

Signature

Print Name: Lidia A. Pilecky, PE

Title: Vice President

Date: May 17, 2016

Certified VOSB Vendor (Company Name and D/B/A):

[Redacted]

Signature

Print Name: Kathleen T. Louder

Title: Assistant Vice President

Date: April 15, 2016

Vendor Information

CLOSE WINDOW

[Print](#)**Business & Contact Information**

Business Name	Collins Engineers, Inc.
Owner	Mr. THOMAS COLLINS
Address	123 N. WACKER DR., STE 900
> Map This Address	CHICAGO, IL 60606
Phone	312-704-9300
Fax	312-704-9320
Email	dcecchi@collinsengr.com
Ethnicity	Caucasian
Gender	Male

Certification Information

Certifying Agency	State of Illinois Central Management Services
Certification Type	VOSB - Veteran Owned Small Business
Renewal Date	12/10/2017
Expiration Date	12/10/2019
Certified Business Description	

Commodity Codes

Code	Description
NIGP 90600	ARCHITECTURAL SERVICES, PROFESSIONAL
NIGP 92500	ENGINEERING SERVICES, PROFESSIONAL

Additional Information

Region	Metro Chicago
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**PARTNERSHIP-MENTOR/PROTÉGÉ PROGRAM
FOR
DISADVANTAGED BUSINESS ENTERPRISES (DBEs)
PSB: 16-3 ITEM: No. 2**

**MEMORANDUM OF UNDERSTANDING
BETWEEN:**

THE MENTOR:	FIRM NAME ADDRESS	A N D	THE PROTÉGÉ:	FIRM NAME ADDRESS
CH2M HILL, INC.	8735 West Higgins Road, Suite 400 Chicago, IL 60631		TERRA Engineering, LTD.	225 West Ohio Street, 4th Floor Chicago, IL 60654

Note: The DBE goal is separate and distinct from the VOSB goal. A single firm may not be utilized to achieve credit toward both DBE and VOSB goals on a single project. Therefore, the protégé participation must match the goal for which the protégé is being utilized.

I. PROGRAM PURPOSE

The Mentor and the Protégé commit to entering into a Mentor/Protégé Agreement in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program. The purpose of the Program is to facilitate the Tollway's professional service consultants with:

- A. Meeting Disadvantaged Business Enterprise/Minority Business Enterprise/Women Business Enterprise (DBE) participation goals,
- B. Establishing new partnerships with DBE firms that have no prior experience providing professional services to the Tollway,
- C. Continuing technical and nontechnical support for DBE firms that have limited experience providing professional services to the Tollway, and
- D. Assisting DBE firms with building their capacity and becoming and/or remaining self-sufficient, competitive, and profitable business enterprises.

A **DBE** means a business certified by the Illinois Unified Certification Program as a DBE, or certified by the City of Chicago or Cook County as an M/WBE, or certified by the U.S. Small Business Administration (SBA) as an 8(a) business.

II. CONFORMANCE TO PROGRAM GOALS

- A. Participation in this project by the Protégé.

1. In area(s) being mentored:

- Technical work covered by Mentor's prequalification category(ies) 0.9%

Scope:

Environmental Reports (Environmental Impact Statements)

- Work not applicable to prequalification category(ies) 0.1%

Scope:

Participation in Public Involvement Process (CSS)

Note: Protégé must participate in either one or both of these areas

2. In area(s) not being mentored:

- Work the Protégé will self-perform

0.0 %

Note: Protégé participation in this area is optional

3. Total participation by the Protégé (Sum of 1. and 2.)

1.0 %

B. Briefly describe an assessment of the Protégé's needs (one-half page maximum).

TERRA desires to augment their experience in the area of Environmental Reports. They have successfully performed roadway improvement projects through use of their Location/Design Studies (New Construction/Major Reconstruction) pre-qualification. As part of that work, they completed environmental analyses and prepared environmental documents classified as both State Approved Categorical Exclusions and Federal Approved Categorical Exclusions.

However, they foresee the need obtain their pre-qualification for Environmental Reports (Environmental Assessment) in order to stay competitive with the engineering and environmental firms in their peer group.

TERRA has the professional staff with relevant environmental experience gained from projects performed for IDOT, private sector clients, and local municipalities, but some of those projects have been completed beyond the time frame prescribed by IDOT for pre-qualification in Environmental Assessments.

C. Briefly describe specific assistance the Mentor will provide to support the Protégé's needs (one-half page maximum).

CH2M HILL, Inc. (CH2M) will provide TERRA opportunities to perform tasks that fall under the pre-qualification of Environmental Reports (EIS). Tasks are anticipated to include evaluation of potential impacts to wetlands; floodplains; sensitive biological resources (threatened or endangered species, nature preserves, or natural areas); cultural resources (archaeological and historical resources or structures); Section 4(f) lands; and other sensitive environmental resources of public concern.

In order for TERRA to fulfill the requirements of the Environmental Assessment prequalification completely, additional tasks may include participation in assessing Community Impacts, Ecology, and Noise. Staff may also be assigned with Public Involvement and Technical Writing responsibilities.

The pre-qualification for Environmental Reports (EA) necessitates that firms satisfy all requirements for Environmental Leads and Qualified Environmental Staff. The areas of mentoring CH2M provides to TERRA will involve TERRA's ability to provide the number of qualified staff to meet these requirements.

III. MENTOR EXPERIENCE WITH THE PROGRAM

- A. Has the Prime consultant served as a Mentor on a Tollway project completed within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐ MP ☐ DSE ☐ CM ☐ Other

Areas of Assistance:

- B. Is the Prime consultant currently serving as a Mentor on a Tollway project? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐ MP ☐ DSE ☐ CM ☐ Other

Areas of Assistance:

- C. Has the Prime consultant mentored the Protégé on another Tollway project within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐ MP ☐ DSE ☐ CM ☐ Other

Areas of Assistance:

IV. PROTÉGÉ EXPERIENCE WITH THE PROGRAM

- A. Has the DBE firm ever been contracted by the Tollway as a Prime consultant? If yes, list date, Contract #, and description of scope for each project(s):

☒ YES☐ NO

<u>Date</u>	<u>Contract #</u>	<u>Description of Scope</u>
10/30/2009	RR-09-5598	Landscaping Design
05/28/2015	RR-14-5704	CUR Services

- B. Has the DBE firm participated in a Mentor/Protégé Agreement on a Tollway ☐ YES ☒ NO project completed within the last five years? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- C. Is the DBE firm currently participating in a Mentor/Protégé Agreement on a ☐ YES ☒ NO Tollway project? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- D. Has the DBE firm participated in a Mentor/Protégé Agreement on an Illinois ☐ YES ☒ NO Department of Transportation project completed within the last five years? If yes, list the following for each project(s).

<u>PTB No/ Item</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- E. If the Protégé has been mentored in the same Area of Assistance proposed on this project for a Tollway and/or IDOT project a combined total of more than three times, provide explanation supporting need for additional mentoring.

V. STATEMENT OF COMMITMENT

The purpose of this statement is to confirm a commitment between the Mentor and Protégé, that upon notice of selection from the Illinois Tollway for this PSB Item, a formal DBE Mentor-Protégé Agreement will be prepared in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program.

Should the proposer, after contract negotiation, wish to modify the 'Plan to Achieve Diversity Goal', the awarded consultant is requested to submit to the General Manager of Diversity a detailed explanation of the work category changes that were not known at the time of the SOI submittal.


SIGNATURE (Mentor Representative)

Lidia A. Pilecky, PE

May 17, 2016

(Date)
SIGNATURE (Protégé Representative)

5/17/16

(Date)

**PARTNERSHIP-MENTOR/PROTÉGÉ PROGRAM
FOR
DISADVANTAGED BUSINESS ENTERPRISES (DBEs)**
PSB: 16-3 ITEM: No. 2

**MEMORANDUM OF UNDERSTANDING
BETWEEN:**

THE MENTOR:	FIRM NAME ADDRESS	A N D	THE PROTÉGÉ:	FIRM NAME ADDRESS
CH2M HILL, INC.	8735 West Higgins Road, Suite 400 Chicago, IL 60631		CKL Engineers, LLC	700 North Green Street, Suite 204 Chicago, IL 60642

Note: The DBE goal is separate and distinct from the VOSB goal. A single firm may not be utilized to achieve credit toward both DBE and VOSB goals on a single project. Therefore, the protégé participation must match the goal for which the protégé is being utilized.

I. PROGRAM PURPOSE

The Mentor and the Protégé commit to entering into a Mentor/Protégé Agreement in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program. The purpose of the Program is to facilitate the Tollway's professional service consultants with:

- A. Meeting Disadvantaged Business Enterprise/Minority Business Enterprise/Women Business Enterprise (DBE) participation goals,
- B. Establishing new partnerships with DBE firms that have no prior experience providing professional services to the Tollway,
- C. Continuing technical and nontechnical support for DBE firms that have limited experience providing professional services to the Tollway, and
- D. Assisting DBE firms with building their capacity and becoming and/or remaining self-sufficient, competitive, and profitable business enterprises.

A DBE means a business certified by the Illinois Unified Certification Program as a DBE, or certified by the City of Chicago or Cook County as an M/WBE, or certified by the U.S. Small Business Administration (SBA) as an 8(a) business.

II. CONFORMANCE TO PROGRAM GOALS

- A. Participation in this project by the Protégé.

1. In area(s) being mentored:

- Technical work covered by Mentor's prequalification category(ies) 0.3%
Scope:
Highway safety planning and design; Special Studies - Safety
- Work not applicable to prequalification category(ies) 0%
Scope:
Business practices, project management skills, ISTHA practices; expanding ISTHA relationships.

Note: Protégé must participate in either one or both of these areas

2. In area(s) not being mentored:

- Work the Protégé will self-perform

0 %

Note: Protégé participation in this area is optional

3. Total participation by the Protégé (Sum of 1. and 2.)

0.3 %

B. Briefly describe an assessment of the Protégé's needs (*one-half page maximum*).

CKL Engineers, LLC (CKL) is an African-American WBE civil engineering firm with roots on the south side of Chicago. Its mission is simple: actively connect communities with economic opportunity, through sustainable transportation planning and stakeholder engagement.

CKL does not have any direct experience as a Phase 1/Phase 2 design PM lead with any agency, but is gaining ongoing experience as protégé on ISTHA's Central Tri-State Master Plan. Prior to that, the Jane Addams Tollway Add Lane design team provided CKL with maintenance of traffic and highway design experience. CKL desires to gain pre-qualification in Highway-Roads and Streets, Location Design Studies: Rehabilitation and Reconstruction/Major Rehabilitation as well as Special Studies - Safety as a result of this mentor/protege opportunity.

CKL desires to maintain a sustainable transportation practice and develop a bench of professionals that can serve in creative and innovative roles on future design projects.

C. Briefly describe specific assistance the Mentor will provide to support the Protégé's needs (*one-half page maximum*).

CH2M HILL's (CH2M'S) focus in this Mentor-Protege relationship is to support CKL Engineers, Inc. (CKL) in their goal to achieve IDOT certification in the Highway Safety Planning and Design; Special Studies - Safety category. CKL has been working with CH2M on recent IDOT projects, providing support services to CH2M in the Highway Safety practice area. Based on discussions with our National Highway Safety Practice Lead, CKL management has expressed interest in furthering their Highway Safety Skills; thus this Mentor-Protege approach for the IL 53 / IL 120 EIS project is timely and was agreed to for this project. In addition to achieving Highway Safety pre-qualifications, CKL has expressed interest in furthering their firm skills in the additional items noted in Item II.B of this Exhibit. As we develop our final Mentor-Protege Agreement, consideration of these additional services will be incorporated into CKL's project work assignments as their firm staff comes available for project assignments. The work percentages noted in this Exhibit can be increased as CKL staff is added or comes available for additional project assignments.

III. MENTOR EXPERIENCE WITH THE PROGRAM

- A. Has the Prime consultant served as a Mentor on a Tollway project completed within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐MP ☐DSE ☐CM ☐Other

Areas of Assistance:

- B. Is the Prime consultant currently serving as a Mentor on a Tollway project? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐MP ☐DSE ☐CM ☐Other

Areas of Assistance:

- C. Has the Prime consultant mentored the Protégé on another Tollway project within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐MP ☐DSE ☐CM ☐Other

Areas of Assistance:

IV. PROTÉGÉ EXPERIENCE WITH THE PROGRAM

- A. Has the DBE firm ever been contracted by the Tollway as a Prime consultant? If yes, list date, Contract #, and description of scope for each project(s):

☐ YES☒ NODateContract #Description of Scope

- B. Has the DBE firm participated in a Mentor/Protégé Agreement on a Tollway ☒ YES ☐ NO project completed within the last five years? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
I-13-4112	150,000	STV Incorporated	Contract Administration
_____	_____	_____	_____
_____	_____	_____	_____

- C. Is the DBE firm currently participating in a Mentor/Protégé Agreement on a ☒ YES ☐ NO Tollway project? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
RR-14-4224	258,046.21	Jacobs/Hansen/EFK Moen	Phase I project planning and managment
_____	_____	_____	_____
_____	_____	_____	_____

- D. Has the DBE firm participated in a Mentor/Protégé Agreement on an Illinois ☐ YES ☒ NO Department of Transportation project completed within the last five years? If yes, list the following for each project(s).

<u>PTB No/ Item</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- E. If the Protégé has been mentored in the same Area of Assistance proposed on this project for a Tollway and/or IDOT project a combined total of more than three times, provide explanation supporting need for additional mentoring.

None applicable

V. STATEMENT OF COMMITMENT

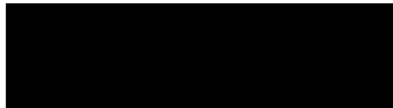
The purpose of this statement is to confirm a commitment between the Mentor and Protégé, that upon notice of selection from the Illinois Tollway for this PSB Item, a formal DBE Mentor-Protégé Agreement will be prepared in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program.

Should the proposer, after contract negotiation, wish to modify the 'Plan to Achieve Diversity Goal', the awarded consultant is requested to submit to the General Manager of Diversity a detailed explanation of the work category changes that were not known at the time of the SOI submittal.


SIGNATURE (Mentor Representative)
Lidia A. Pilecky, PE

5/18/2016

(Date)


SIGNATURE (Protégé Representative)

5/18/2016

(Date)

PARTNERSHIP-MENTOR/PROTÉGÉ PROGRAM
FOR
DISADVANTAGED BUSINESS ENTERPRISES (DBEs)
 PSB: 16-3 ITEM: No. 2

MEMORANDUM OF UNDERSTANDING
BETWEEN:

THE MENTOR:	FIRM NAME ADDRESS	A N D	THE PROTÉGÉ:	FIRM NAME ADDRESS
CH2M HILL, INC.	8735 West Higgins Road, Suite 400 Chicago, IL 60631		DAMA Consultants, inc	4524 W. Washington Suite 2 Chicago, IL

Note: The DBE goal is separate and distinct from the VOSB goal. A single firm may not be utilized to achieve credit toward both DBE and VOSB goals on a single project. Therefore, the protégé participation must match the goal for which the protégé is being utilized.

I. PROGRAM PURPOSE

The Mentor and the Protégé commit to entering into a Mentor/Protégé Agreement in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program. The purpose of the Program is to facilitate the Tollway's professional service consultants with:

- A. Meeting Disadvantaged Business Enterprise/Minority Business Enterprise/Women Business Enterprise (DBE) participation goals,
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- C. Continuing technical and nontechnical support for DBE firms that have limited experience providing professional services to the Tollway, and
- D. Assisting DBE firms with building their capacity and becoming and/or remaining self-sufficient, competitive, and profitable business enterprises.

A **DBE** means a business certified by the Illinois Unified Certification Program as a DBE, or certified by the City of Chicago or Cook County as an M/WBE, or certified by the U.S. Small Business Administration (SBA) as an 8(a) business.

II. CONFORMANCE TO PROGRAM GOALS

- A. Participation in this project by the Protégé.

1. In area(s) being mentored:

- Technical work covered by Mentor's prequalification category(ies) 0.5 %
 Scope:
 Location/Design Studies
 Environmental Report
- Work not applicable to prequalification category(ies) 0.5 %
 Scope:
 Capacity Building/Project Management
 Expanding IDOT Prequalification - Traffic Studies

Note: Protégé must participate in either one or both of these areas

2. In area(s) not being mentored:

- Work the Protégé will self-perform

0.5%

Note: Protégé participation in this area is optional

3. Total participation by the Protégé (Sum of 1. and 2.)

1.5%B. Briefly describe an assessment of the Protégé's needs (*one-half page maximum*).

DAMA Consultants, Inc. (DAMA) is a small minority business which needs to expand its qualifications to offer value and provide more services to our client base in these areas: Location/Design Studies; Environmental Impact Statements. DAMA has recently hired a college graduate who is a Transportation Engineer and will be dedicated to this project. DAMA is also in need of increasing capacity in their core business of Traffic Studies. They will self-perform and lead the Travel Demand Modeling, Socioeconomic Forecasting and GIS database analysis.

C. Briefly describe specific assistance the Mentor will provide to support the Protégé's needs (*one-half page maximum*).

CH2M HILL, Inc. (CH2M) will work with DAMA to support their progress toward achieving their goal of securing IDOT pre-qualification in the category of Location/Design Studies and Environmental Reports. CH2M has worked with DAMA in the past, with DAMA serving as a subconsultant to CH2M providing traffic modeling, traffic studies, and traffic engineering services. DAMA is well qualified in these categories and will provide these subconsultant services on the proposed project. As related to the proposed new pre-qualification category, CH2M will provide meaningful project assignments to DAMA's current and new staff with the intent of building staff qualifications to fulfill the experience required to apply for and achieve pre-qualification. The initial tasks anticipated in these work areas include interpreting the results of their traffic and travel demand modeling work into the required conceptual level highway geometrics and right-of-way needs.

III. MENTOR EXPERIENCE WITH THE PROGRAM

- A. Has the Prime consultant served as a Mentor on a Tollway project completed within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐MP ☐DSE ☐CM ☐Other

Areas of Assistance:

- B. Is the Prime consultant currently serving as a Mentor on a Tollway project? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐MP ☐DSE ☐CM ☐Other

Areas of Assistance:

- C. Has the Prime consultant mentored the Protégé on another Tollway project within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐MP ☐DSE ☐CM ☐Other

Areas of Assistance:

IV. PROTÉGÉ EXPERIENCE WITH THE PROGRAM

- A. Has the DBE firm ever been contracted by the Tollway as a Prime consultant? If yes, list date, Contract #, and description of scope for each project(s):

☐ YES ☒ NODateContract #Description of Scope

- B. Has the DBE firm participated in a Mentor/Protégé Agreement on a Tollway ☐ YES ☐ NO project completed within the last five years? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- C. Is the DBE firm currently participating in a Mentor/Protégé Agreement on a ☐ YES ☐ NO Tollway project? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- D. Has the DBE firm participated in a Mentor/Protégé Agreement on an Illinois ☐ YES ☐ NO Department of Transportation project completed within the last five years? If yes, list the following for each project(s).

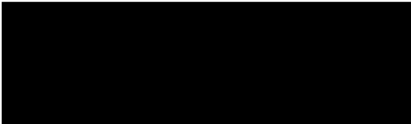
<u>PTB No/ Item</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- E. If the Protégé has been mentored in the same Area of Assistance proposed on this project for a Tollway and/or IDOT project a combined total of more than three times, provide explanation supporting need for additional mentoring.

V. STATEMENT OF COMMITMENT

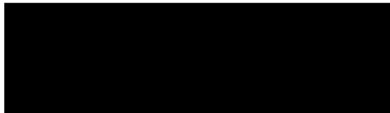
The purpose of this statement is to confirm a commitment between the Mentor and Protégé, that upon notice of selection from the Illinois Tollway for this PSB Item, a formal DBE Mentor-Protégé Agreement will be prepared in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program.

Should the proposer, after contract negotiation, wish to modify the 'Plan to Achieve Diversity Goal', the awarded consultant is requested to submit to the General Manager of Diversity a detailed explanation of the work category changes that were not known at the time of the SOI submittal.



SIGNATURE (Mentor Representative)
Lidia A. Pilecky, PE

(Date)



SIGNATURE (Protégé Representative)

May 19, 2016

(Date)

5/25/17
*Handwritten: Pending Protégé
 Classification
 after Scope
 finalized
 JK 5/25/17*

**PARTNERSHIP-MENTOR/PROTÉGÉ PROGRAM
 FOR
 DISADVANTAGED BUSINESS ENTERPRISES (DBEs)**
 PSB: 16-3 ITEM: No. 2

**MEMORANDUM OF UNDERSTANDING
 BETWEEN:**

THE MENTOR:	FIRM NAME ADDRESS	A	THE PROTÉGÉ:	FIRM NAME ADDRESS
CH2M HILL, INC.	6735 West Higgins Road, Suite 400 Chicago, IL 60631	N	The Roderick Group, Inc.	1327 W Washington Blvd, #105 Chicago, IL 60607
		D		

Note: The DBE goal is separate and distinct from the VOSB goal. A single firm may not be utilized to achieve credit toward both DBE and VOSB goals on a single project. Therefore, the protégé participation must match the goal for which the protégé is being utilized.

I. PROGRAM PURPOSE

The Mentor and the Protégé commit to entering into a Mentor/Protégé Agreement in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program. The purpose of the Program is to facilitate the Tollway's professional service consultants with:

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- C. Continuing technical and nontechnical support for DBE firms that have limited experience providing professional services to the Tollway, and
- D. Assisting DBE firms with building their capacity and becoming and/or remaining self-sufficient, competitive, and profitable business enterprises.

A DBE means a business certified by the Illinois Unified Certification Program as a DBE, or certified by the City of Chicago or Cook County as an MWBE, or certified by the U.S. Small Business Administration (SBA) as an 8(a) business.

II. CONFORMANCE TO PROGRAM GOALS

A. Participation in this project by the Protégé.

1. In area(s) being mentored:

- Technical work covered by Mentor's prequalification category(ies)

5 %

Scope:

Location Design Studies - New Construction/Reconstruction; Environmental Reports -
 Environmental Impact Statements; Special Studies - Location Drainage

- Work not applicable to prequalification category(ies)

0 %

Scope:

Note: Protégé must participate in either one or both of these areas

2. In area(s) not being mentored:

- * Work the Protégé will self-perform

0 %

Note: Protégé participation in this area is optional

3. Total participation by the Protégé (Sum of 1. and 2.)

5 %

B. Briefly describe an assessment of the Protégé's needs (one-half page maximum).

The protege wishes to be mentored in the evaluation of considered alternatives for the IL 53 / IL 120 project. This will include assistance in establishing horizontal and vertical alignments, intersection/interchange design studies, drainage plan development, drainage structure sizing, field surveying, estimating, earthwork calculations, traffic capacity analysis, public relations and exposure to corridor coordination meetings. The protege also wishes to gain knowledge in the area of developing the environmental impact statement studies and documentation. This will include exposure to the various exhibits, permits and documents included within the report.

C. Briefly describe specific assistance the Mentor will provide to support the Protégé's needs (one-half page maximum).

CH2M HILL, Inc. (CH2M) will assign meaningful project work tasks to The Roderick Group to support preparation of the conceptual roadway design, drainage development, and associated corridor improvement components. Special direction will be provided to support The Roderick Group's goal to support development of the environmental studies, reports, and documentation.

III. MENTOR EXPERIENCE WITH THE PROGRAM

- A. Has the Prime consultant served as a Mentor on a Tollway project completed within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐ MP ☐ DSE ☐ CM ☐ Other

Areas of Assistance:

- B. Is the Prime consultant currently serving as a Mentor on a Tollway project? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐ MP ☐ DSE ☐ CM ☐ Other

Areas of Assistance:

- C. Has the Prime consultant mentored the Protégé on another Tollway project within the last five years? If yes, list Contract #(s):

☐ YES☒ NO

Indicate Phase(s) of Work: ☐ MP ☐ DSE ☐ CM ☐ Other

Areas of Assistance:

IV. PROTÉGÉ EXPERIENCE WITH THE PROGRAM

- A. Has the DBE firm ever been contracted by the Tollway as a Prime consultant? If yes, list date, Contract #, and description of scope for each project(s):

☐ YES☒ NODateContract #Description of Scope

- B. Has the DBE firm participated in a Mentor/Protégé Agreement on a Tollway ☐ YES ☒ NO project completed within the last five years? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- C. Is the DBE firm currently participating in a Mentor/Protégé Agreement on a ☒ YES ☐ NO Tollway project? If yes, list the following for each project(s).

<u>Contract #</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
RR-13-4155	\$1,000,000	HBK Engineering, LLC	Subsurface Utility Engineering
_____	_____	_____	_____
_____	_____	_____	_____

- D. Has the DBE firm participated in a Mentor/Protégé Agreement on an Illinois ☒ YES ☐ NO Department of Transportation project completed within the last five years? If yes, list the following for each project(s).

<u>PTB No/ Item</u>	<u>Protégé Award \$</u>	<u>Mentored by</u>	<u>Area of Assistance</u>
890-167	1,300,000	HNTB Corporation	Ph III - Construction Engineering
155-003	390,000	Knight E/A, Inc.	Ph III - Construction Engineering
157-004	230,000	Knight E/A, Inc.	Ph II - Highway Design

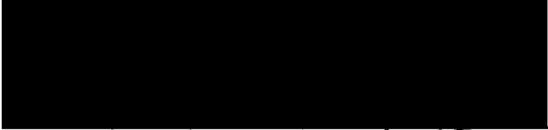
- E. If the Protégé has been mentored in the same Area of Assistance proposed on this project for a Tollway and/or IDOT project a combined total of more than three times, provide explanation supporting need for additional mentoring.

The Protégé has not been mentored in the same Area of Assistance more than three times.

V. STATEMENT OF COMMITMENT

The purpose of this statement is to confirm a commitment between the Mentor and Protégé, that upon notice of selection from the Illinois Tollway for this PSB Item, a formal DBE Mentor-Protégé Agreement will be prepared in accordance with the current guidelines of the Tollway's Partnership-DBE Mentor/Protégé Program.

Should the proposer, after contract negotiation, wish to modify the 'Plan to Achieve Diversity Goal', the awarded consultant is requested to submit to the General Manager of Diversity a detailed explanation of the work category changes that were not known at the time of the SOI submittal.



SIGNATURE (Mentor Representative)

Lidia A. Pilecky, PE

5/23/16

(Date)



SIGNATURE (Protégé Representative)

05/18/2016

(Date)

Davis-Adams, Linda

From: Shaw, Julia
Sent: Thursday, May 25, 2017 9:04 AM
To: Davis-Adams, Linda
Cc: Flippin, Mark; Bush, Gregory; Cohn, Carol; Durkin, Laura; Jablonski, Dorothy
Subject: RE: New Vendor Code

Vendor Code: CHM002 CH2M HILL INC.

From: Davis-Adams, Linda
Sent: Wednesday, May 24, 2017 1:01 PM
To: Shaw, Julia
Cc: Flippin, Mark; Bush, Gregory; Cohn, Carol; Durkin, Laura; Jablonski, Dorothy
Subject: RE: New Vendor Code

Julia,

I did update the vendor name to CH2M Hill, Inc. /Knight E/A, Inc. Teaming the requestor is CH2M Hill, because CH2M Hill is lead consultant on this contract and payment will be sent to CH2M Hill.

Linda Davis-Adams
Contract Payment Expediter Supervisor
The Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, Illinois 60515
630-241-6800 Ext. 3363
Fax 630-241-6105
Email: ldavis-adams@getipass.com

From: Shaw, Julia
Sent: Wednesday, May 24, 2017 8:23 AM
To: Davis-Adams, Linda
Cc: Flippin, Mark; Bush, Gregory; Cohn, Carol; Durkin, Laura; Jablonski, Dorothy
Subject: RE: New Vendor Code

Good morning Linda; please up-date checklist in the name field, place the requestor name.
Also please give a detailed reason for code

From: Davis-Adams, Linda
Sent: Monday, May 22, 2017 3:26 PM
To: Shaw, Julia
Cc: Flippin, Mark; Bush, Gregory; Cohn, Carol; Durkin, Laura; Jablonski, Dorothy
Subject: New Vendor Code

Julia,

Please see the attached Checklist and W-9 for CH2M Hill Inc./Knight E/A, Inc. Teaming Contract. Please create a vendor code for this new teaming contract.

Please contact me if you have any questions.

Vendor Code Checklist

Name of Requestor: CH2M HILL, Inc.

Check One:

- ☒ Create New Vendor Code
- ☐ Activate Inactive Vendor Code
- ☐ Update / Modify Vendor Code

Existing Vendor Code (if applicable):	
Vendor Name:	CH2M HILL, Inc. / Knight E/A, Inc. Teaming
Contact Person Name:	Lidia Pilecky
Address:	8735 W. Higgins Road, Suite 400, Chicago, IL 60631
Phone:	773-458-2847
Fax:	773-693-3823
FEIN:	
E-mail Address:	lidia.pilecky@ch2m.com
Web Address:	www.ch2m.com
Remittance Address:	same as above

Attach W-9 and Additional Applicable Documentation from Vendor
(E-mail, Letter from Vendor on Company Letterhead, or Invoice to Support the Modification)

Reason for New Code / Activation / Modification:

New contract (I-16-4266)

Approved By:


Requesting Department Chief or Designee Signature
(if request originated outside of the Procurement Department)
Date 5/23/17

Procurement Department Chief or Designee Signature
Date


Printed Name and Title Chief Engineering Officer

Printed Name and Title

2 Business name/disregarded entity name, if different from above

7 List account number(s) here (optional)

(Applies to accounts maintained outside the U.S.)

Requester's name and address (optional)

[illegible]

Date ▶

Form **W-9** (Rev. 12-2014)

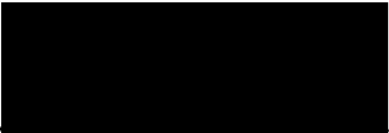


SECRETARY CERTIFICATE

I, Cheryl J. Rimas, Assistant Secretary of CH2M HILL, Inc., hereby certify that:

Lidia Pilecky is Business Vice President of CH2M HILL, Inc., and has been granted authority in accordance with our Signature Authority Policy to execute documents on behalf of the company.

Dated this 15th day of May, 2017.

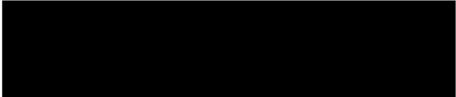


Cheryl J. Rimas, Assistant Secretary



State of Colorado
County of Douglas

Subscribed and sworn to before me by Cheryl J. Rimas this 15th day of May 2017.



Notary Public

LEE ROSE
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID # 20084034135
MY COMMISSION EXPIRES 09-30-2020

**Memorandum of Understanding
Teaming Principles for
Illinois Tollway's Illinois Route 53 / 120 Phase 1 Project**

This Memorandum of Understanding ("MOU") is entered into this 14th day of December, 2016, by and between CH2M HILL, Inc. ("CH2M") and Knight E/A, Inc. ("Knight") individually called the "Party" and collectively called the "Parties."

- A. Whereas, the Parties hereto desire to associate for purposes of preparing a Statement of Interest (SOI) and/or preparing and delivering an interview presentation ("Procurement") to the Illinois State Toll Highway Authority ("Tollway" or "Client") for the IL 53/IL 120 Environmental Impact Statement and Related Reports Project ("Project"); and if selected by the Client to enter into a professional services agreement (Contract) with the Client; and;
- B. Whereas, the Parties desire to define generally their respective understanding in conjunction with such Procurement, together with their rights and obligations to each other.
- C. Now, therefore, in consideration of the mutual covenants set forth herein and other good and valuable consideration, the Parties agree as follows:
 - 1. The Parties hereby agree to combine on an exclusive basis for the Procurement. Each Party agrees not to offer its services or to participate in the Project Procurement with any other entity, unless this MOU is otherwise terminated as provided for below. Nothing herein is intended to create any business relationship between the Parties except for the sole and specific purpose of preparing the Project Procurement.
 - 2. The Parties hereby agree it is advantageous and beneficial to their Project selection to combine in a Client-defined Teaming arrangement. Such Teaming arrangement under the Client's anticipated form of Contract, *Design Section Engineer Agreement Including Teaming*, requires the Parties to execute a Teaming Agreement prior to Client Board approval of the Contract. The Client's form of Contract requires "The Firms...Identified in the Teaming Agreement shall be jointly and severally liable to the Tollway..." The joint and several liability provision necessitates the Parties execute a Teaming Agreement to define the roles and responsibilities of the Parties during Project delivery. The Client's form of Contract requires the Parties to provide the fully executed Teaming Agreement ten days after completion of Contract negotiations and prior to the Client Board meeting to approve the Contract. The Parties hereby agree to conduct legal, financial, and safety related Due Diligence and begin Teaming Agreement negotiations based on the April 1, 2016, posting date of the Client's Professional Services Bulletin (PSB) 16-3, with the intent of executing the Teaming Agreement to meet the Client's schedule and Contract requirements.
 - 3. Based on further discussions with the Client and depending on the results of on-going Client consultant selections, it may become advantageous for the Parties to consider adding a third firm to the Teaming arrangement, potentially a Disadvantaged Business Enterprise (DBE) firm. The decision to add a third firm to the Teaming arrangement will be by mutual agreement of the Parties.
 - 4. If the Parties are successful in obtaining a Contract for the Project, the Parties will negotiate in good faith and enter into a subsequent agreement between themselves, further defining and detailing their respective rights and obligations as to the Project and as to each other and incorporate the provisions and requirements of the Teaming Agreement by reference, which agreement shall be contingent upon reaching mutual agreement with respect to price, scope, and terms and conditions, and which agreement will be generally consistent with the terms of this MOU.

5. The Parties will each bear their own usual and customary costs incurred in conjunction with the preparation of the Procurement.
6. This MOU shall be deemed terminated upon:
 - a. the mutual agreement of the Parties
 - b. the entering into of the subsequent Teaming Agreement and Client Contract embodying the terms of this MOU
 - c. the notification from the Client that the Project will not be awarded to any party, or is awarded to a party other than the Parties hereto
 - d. the modification of the Procurement that significantly revises the Project
 - e. a material breach of the provisions of this MOU
 - f. the expiration of two years from the effective date of this MOU and the Procurement has not initiated
 - g. the completion of the Project, if awarded to the Parties
7. CH2M shall act as the Prime Consultant, Team Managing Partner, and Team Business Agent. Knight shall act as the Team Partner. CH2M's portion of work will be targeted at sixty percent and Knight's portion of the work will be targeted at forty percent of the Contract amount remaining after the percentage amounts for required Specialty Subconsultants (submitted at 4.8 percent), Client-specified DBE firms (submitted at 20.3 percent vs. the Client goal of 18 percent), and Client-specified Veteran-owned firms (submitted at 1.0 percent vs. the Client goal of 0.05 percent) are deducted from the total Contract amount. If these subconsultant participation amounts are revised based on Contract negotiations or any Client directives, the CH2M:Knight 60:40 work split after deducting all subconsultant participation amounts shall be maintained.
8. In general, Project responsibilities for CH2M will be as follows: Project Manager (Ms. Lidia Pillecky, PE), Travel Demand and Traffic Analysis Lead, Engineering Lead, Environmental Lead, roadway design, structures design support and quality control, environmental resources, media and stakeholder engagement support.
9. In general, Project responsibilities for Knight will be as follows: Deputy Project Manager (Ms. Christine Reed, PE); travel demand modeling support; roadway design support; structures design lead; environmental analysis support; and media and stakeholder engagement support.
10. Given the nature of the Project, Knight agrees to identify and commit senior level staff thoroughly familiar with the Client standards and procedures for the Procurement and Project delivery.
11. The Parties hereby agree to engage and actively participate in the subconsultant management based on their Teaming Agreement equity percentage amounts.
12. This MOU may be extended to subsequent Project delivery phases by mutual agreement of the Parties.
13. CH2M shall be the primary contact with the Client, current identified team mates, and potential teaming partners relative to Procurement activities. Information related to the Project team, Procurement strategy, and Procurement documents shall not be disclosed to any other party.

14. It is recognized that Knight has ongoing relationships with the Client and may receive inquiries or information from the Client related to the Procurement. Knight will notify CH2M of any communications with the Client relative to the Procurement.
15. Any news releases, public announcements, advertisements, or publicity to be released related to this Procurement shall be reviewed and approved by CH2M.
16. Project responsibilities and percent participation commitments are contingent upon the availability of qualified staff, Project performance, and Client expectations and direction. A reasonable distribution of other work activities, not specifically described herein, will be based on the availability of staff resources and corresponding qualifications.
17. Except as specifically stated in this MOU, either Party is free to submit SOIs or participate in presentations for and to sell its regular line of products and services to the Client and others and shall not restrict activities with respect thereto.
18. During the term of this MOU, it may be necessary for the Parties to exchange confidential or proprietary information as is required for each to perform its obligations hereunder. Each Party agrees to maintain in confidence any information designated in writing as "Confidential" by the other Party during the term of this MOU, and for a period of three years after termination of this MOU. The standard of care for protecting such information, imposed on the Party receiving such information, will be that degree of care the receiving Party uses to prevent disclosure, publication, or dissemination of its own confidential or proprietary information. However, obligations of confidentiality shall not apply to any information to the extent it is (a) in the public domain, (b) learned from a third party not in breach of any confidentiality obligations, (c) already known without restriction by the Party receiving it at the time of disclosure, or (d) required by regulation, courts, or regulatory order to be disclosed.
19. This document contains the entire agreement between the Parties and supersedes all prior communication and agreements of the Parties relating to the subject matter hereof. It may be amended only by a written amendment duly executed by the Parties' authorized representatives.

Terms of this MOU agreed to effective the day and year first written above.

CH2M HILL, Inc.

Knight E/A, Inc.

By: 

By: 

Lidia Pilecky, PE

Kevin E. Lentz, PE

Name

Name

Project Manager and Vice President

President

Title

Title

DESIGN SECTION ENGINEER
AGREEMENT INCLUDING TEAMING

The Board of Directors, on the 25th day of May, 2017, authorized this AGREEMENT to be entered into by and between THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY, an instrumentality and administrative agency of the State of Illinois, hereinafter sometimes referred to as "TOLLWAY", and comprised of the Team of **CH2M HILL, INC. / KNIGHT E/A, INC., TM**, authorized and existing within the laws of the State of Illinois, hereinafter referred to as "DESIGN SECTION ENGINEER".

W I T N E S S E T H:

WHEREAS, the DESIGN SECTION ENGINEER has submitted a proposal dated **May 11, 2017**, to provide design section engineering services for Contract No. **I-16-4266** for **IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports**; and

WHEREAS, DESIGN SECTION ENGINEER represents itself to be a professional engineering firm meeting the stated pre-qualification criteria for selection from **PSB 16-3, Item 2**, staffed with professional licensed engineers, experienced and able to perform the engineering design services required for said contract, and it is in the best interest of the TOLLWAY to accept said proposal.

In consideration of the mutual covenants hereinafter contained, the parties hereto mutually covenant and agree as follows:

ARTICLE I

General Provisions

A. The DESIGN SECTION ENGINEER shall perform all design section engineering services for Contract No. **I-16-4266** for **IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports** in accordance with the requirements and terms of this Agreement and the proposal from the DESIGN SECTION ENGINEER of **May 11, 2017**, attached hereto and made a part hereof as Exhibit "1". With respect to any inconsistency or conflict between the terms of this Agreement and the proposal (Exhibit "1"), the term or terms of this Agreement shall govern and prevail.

B. All services performed by DESIGN SECTION ENGINEER shall be performed according to professional standards and in accordance with the Design Section Engineer's Manual for The Illinois State Toll Highway Authority in effect at the date of contract execution, and as revised thereafter.

C. The DESIGN SECTION ENGINEER shall perform its services hereunder with the same degree of care, skill and diligence as is ordinarily possessed and exercised by a member of the same profession, currently practicing under similar circumstances.

D. The DESIGN SECTION ENGINEER has entered into a Teaming Agreement identifying the obligations, duties and responsibilities of each party to the Teaming agreement which is attached to this Agreement.

ARTICLE II

Time of Performance

Upon receipt of Notice to Proceed authorized by the Chief Engineering Officer of the TOLLWAY, the DESIGN SECTION ENGINEER shall perform the services herein during the period commencing on the latter of either execution of the Agreement or July 1, 2017 and ending June 30, 2021, in accordance with the schedule included in the attached proposal. WAP 6/22/17

Notwithstanding anything in this Agreement, the DESIGN SECTION ENGINEER, including the DESIGN SECTION ENGINEER's subcontractors, if any, shall not be responsible hereunder for any delay, default or nonperformance of this Agreement, if and to the extent that such delay, default or nonperformance is caused by an act of God, weather, accident, labor strike or shortage, fire, explosion, riot, war, rebellion, terrorist activity, sabotage, flood, epidemic, or any other cause beyond the reasonable control of such party.

ARTICLE III

Compensation

The DESIGN SECTION ENGINEER shall perform all engineering design services as required herein, and the TOLLWAY shall pay the DESIGN SECTION ENGINEER as compensation therefor, the DESIGN SECTION ENGINEER'S actual payroll cost times a multiplier of 2.8000 and certain direct expenses (as shown in Exhibit "1") with an upper limit of compensation of Twenty Five Million Dollars and No Cents (\$25,000,000.00). If, in the opinion of the DESIGN SECTION ENGINEER, additional fees or expenses in excess of the upper limit of compensation agreed herein are required, the DESIGN SECTION ENGINEER shall promptly notify the Chief Engineering Officer of the TOLLWAY thereof and shall not incur or charge any such fees or expenses without prior written approval of the Chief Engineering Officer. The DESIGN SECTION ENGINEER shall ensure that its subcontractors (if applicable) submit bills and invoices in a manner consistent with the terms of this Agreement and shall include language in its subcontractor agreements whereby the subcontractors expressly agree to be bound by the terms of this Agreement, including but not limited to the Inspector General Provision at Article XIX.

ARTICLE IV

Scope of the Service

The DESIGN SECTION ENGINEER represents that it has examined the project site, met with representatives of the TOLLWAY, and had an opportunity to ascertain the extent and the scope of services required to complete this project and is knowledgeable

D. The DESIGN SECTION ENGINEER has entered into a Teaming Agreement identifying the obligations, duties and responsibilities of each party to the Teaming agreement which is attached to this Agreement.

ARTICLE II

Time of Performance

See Revised Page

Upon receipt of Notice to Proceed authorized by the Chief Engineering Officer of the TOLLWAY, the DESIGN SECTION ENGINEER shall perform the services herein during the period commencing on the latter of either **execution of the Agreement or June 1, 2017 and ending May 31, 2027**, in accordance with the schedule included in the attached proposal.

Notwithstanding anything in this Agreement, the DESIGN SECTION ENGINEER, including the DESIGN SECTION ENGINEER's subcontractors, if any, shall not be responsible hereunder for any delay, default or nonperformance of this Agreement, if and to the extent that such delay, default or nonperformance is caused by an act of God, weather, accident, labor strike or shortage, fire, explosion, riot, war, rebellion, terrorist activity, sabotage, flood, epidemic, or any other cause beyond the reasonable control of such party.

ARTICLE III

Compensation

The DESIGN SECTION ENGINEER shall perform all engineering design services as required herein, and the TOLLWAY shall pay the DESIGN SECTION ENGINEER as compensation therefor, the DESIGN SECTION ENGINEER'S actual payroll cost times a multiplier of **2.8000** and certain direct expenses (as shown in Exhibit "1") with an upper limit of compensation of **Twenty Five Million Dollars and No Cents (\$25,000,000.00)**. If, in the opinion of the DESIGN SECTION ENGINEER, additional fees or expenses in excess of the upper limit of compensation agreed herein are required, the DESIGN SECTION ENGINEER shall promptly notify the Chief Engineering Officer of the TOLLWAY thereof and shall not incur or charge any such fees or expenses without prior written approval of the Chief Engineering Officer. The DESIGN SECTION ENGINEER shall ensure that its subcontractors (if applicable) submit bills and invoices in a manner consistent with the terms of this Agreement and shall include language in its subcontractor agreements whereby the subcontractors expressly agree to be bound by the terms of this Agreement, including but not limited to the Inspector General Provision at Article XIX.

ARTICLE IV

Scope of the Service

The DESIGN SECTION ENGINEER represents that it has examined the project site, met with representatives of the TOLLWAY, and had an opportunity to ascertain the extent and the scope of services required to complete this project and is knowledgeable

of the services to be performed within the time set forth in the Project Schedule indicated in Exhibit "1" hereof. The DESIGN SECTION ENGINEER further understands and agrees that all the services required to properly complete the services will be at or below the total estimated fee (Upper Limit of Compensation) established for this contract, and that only upon receipt of correspondence modifying the established scope of services for this contract from the Chief Engineering Officer, will any portion of the contingency provision of the said proposal be utilized. The DESIGN SECTION ENGINEER shall not be entitled to additional compensation due to errors in estimating the time, costs or expertise required to complete this design project.

ARTICLE V

Compliance with State and Other Laws

The DESIGN SECTION ENGINEER specifically agrees that in the performance of the services herein enumerated, the DESIGN SECTION ENGINEER, its associates, subcontractors, agents and employees will comply with all applicable Federal laws, State statutes, local ordinances, rules and regulations.

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 Team of **CH2M Hill, Inc. / Knight E/A, Inc., TM**, consents to the exclusive jurisdiction and venue of the courts located in DuPage County, State of Illinois.

Confidentiality

DESIGN SECTION ENGINEER, including its agents and subconsultants, to this AGREEMENT may have or gain access to confidential data or information owned or maintained by the TOLLWAY in the course of carrying out its responsibilities under this AGREEMENT. The DESIGN SECTION ENGINEER shall presume all information received from the TOLLWAY or to which it gains access pursuant to this AGREEMENT is confidential. No confidential data collected, maintained, or used in the course of DESIGN SECTION ENGINEER's performance of this contract shall be disseminated except as authorized by law and with the written consent of the TOLLWAY, either during the period of the AGREEMENT or thereafter. The DESIGN SECTION ENGINEER must return any and all data collected, maintained, created or used in the course of the performance of the AGREEMENT, in whatever form it is maintained, promptly at the end of the AGREEMENT, or earlier at the request of the TOLLWAY, or notify the TOLLWAY in writing of its destruction with prior TOLLWAY approval only.

The foregoing obligations shall not apply to confidential data or information lawfully in the DESIGN SECTION ENGINEER's possession prior to its acquisition from the TOLLWAY; received in good faith from a third-party not subject to any confidentiality obligation to the disclosing Party; or independently developed by the DESIGN SECTION ENGINEER without the use or benefit of the TOLLWAY's confidential information.

ARTICLE VI

Responsibility for Injuries and Damages

The DESIGN SECTION ENGINEER shall be responsible for all injuries to persons and damages to property due to the activities of the DESIGN SECTION ENGINEER, its associates, agents or employees, in connection with an error, omission, intentional, willful, wanton or negligent act(s), and shall be responsible for all parts of its work, both temporary and permanent, relating to the performance of any services under this Agreement or in connection therewith. It is expressly understood that the DESIGN SECTION ENGINEER shall indemnify and save harmless the TOLLWAY, its Directors and employees from claims, suits, actions, damages, costs and fees arising from, growing out of an error, omission, intentional, willful, wanton or negligent act(s) of the DESIGN SECTION ENGINEER under this Agreement, to the maximum extent permitted by law, and such indemnity shall not be limited by reason of the enumeration of any insurance coverage hereinafter provided. Nothing herein contained shall be construed as prohibiting the TOLLWAY, its Directors or the employees from defending any actions and suits brought against them or any of them or from employing their own counsel in defense of all such actions and suits. It is understood and agreed that the DESIGN SECTION ENGINEER is an independent contractor and as such is solely responsible for all of its activities hereunder.

The firms comprising the DESIGN SECTION ENGINEER and identified in the Teaming Agreement shall be jointly and severally liable to the TOLLWAY for any and all damages, injuries and claims, including those arising from the professional acts, errors or omissions resulting from services rendered per this Agreement.

ARTICLE VII

Insurance

The DESIGN SECTION ENGINEER agrees to procure and maintain during the entire term of this contract and any extensions thereto, at its own expense and without additional expense to the TOLLWAY, adequate insurance for claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work by the DESIGN SECTION ENGINEER, his agents, representatives, employees or subcontractors. Work shall not commence until all insurance required by this section has been obtained and acceptable documentation provided to the TOLLWAY. Acceptable insurance companies shall be authorized or approved to transact business under the laws of the State of Illinois, shall be rated by A.M. Best and Company with a financial strength rating of "A-" or better and a financial

size category of not less than "VII".

The DESIGN SECTION ENGINEER shall obtain for the term of the contract, and any extensions thereto, insurance in the following kinds and minimum limits:

- a. Worker's Compensation Insurance as required by state statute, and Employer's Liability insurance covering all the DESIGN SECTION ENGINEER's employees acting within the course and scope of their employment.
- b. Commercial General Liability Insurance written on Insurance Services Office (ISO) occurrence form CG 00 01 10/03 or equivalent, covering premises operations, independent contractors, blanket contractual liability, and personal injury with minimum limits of \$1,000,000.00 (One Millions Dollars) each occurrence and \$2,000,000.00 (Two Million Dollars) annual general aggregate.

If any aggregate limit is reduced below \$2,000,000.00 because of claims made or paid, the DESIGN SECTION ENGINEER shall obtain additional insurance to restore the full aggregate limit and furnish documentation to the TOLLWAY.

- c. Automobile Liability Insurance covering any auto, including owned, hired and non-owned autos, with a minimum limit of \$1,000,000.00 (One million Dollars) each occurrence, combined single limit.
- d. Excess / Umbrella Liability Insurance providing excess coverage over commercial general liability, automobile liability and employer's liability with a minimum limit of \$2,000,000.00 (Two Million Dollars) per occurrence and in aggregate.
- e. Engineering Professional Errors and Omissions Liability providing coverage for claims, damages, losses or expenses arising out of or resulting from the performance of Professional Services contemplated in this contract. Limits of liability shall be a minimum of \$2,000,000 (Two Million Dollars) per occurrence and in aggregate. DESIGN SECTION ENGINEER agrees that such policy or policies, including claims made forms, shall remain in effect for the duration of the contract and then have a three-year discovery period or longer as required by State Statue. Each member of the DESIGN SECTION ENGINEER agrees that it will maintain its Engineering Professional Errors and Omissions Liability policy in effect for three years after the completion of the Agreement.

All deductible or self-insured retentions must be declared and are the sole responsibility of the DESIGN SECTION ENGINEER. The Illinois State Toll Highway Authority shall be named an "additional insured" for the commercial general liability and automobile liability coverage. These policies shall be primary for the additional insured

and not contributing with any other insurance or similar protection available to the additional insured. Copies of the applicable "additional insured" endorsements will be provided to the TOLLWAY with the insurance documentation.

The DESIGN SECTION ENGINEER shall submit insurance documentation prior to the commencement of any contract work and will provide documentation of renewals of said policies as they occur. Any failure of the TOLLWAY to request proof of insurance will not waive the requirement of maintenance of protection as specified herein.

ARTICLE VIII

Ownership of Documents

All documents, including tracings, drawings, estimates, specifications, field notes, investigations, studies and all documents, memoranda and information relating to services to be furnished and performed pursuant to this Agreement are the property of the TOLLWAY. During the performance of the engineering services herein provided for, the DESIGN SECTION ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in its possession, and any such documents shall be restored at its expense. Full access to the work during the preparation of the plans shall be available to the TOLLWAY and such other agencies as may be approved by the TOLLWAY. It is agreed and understood by the parties that any plans, drawings, blueprints or other similar documents ("plans") provided under this Contract which are reused by the TOLLWAY, on other projects, shall be at the TOLLWAY's own risk. Any person or entity reusing any plans shall be solely responsible for such reuse. Should the DESIGN SECTION ENGINEER reuse any plans, it agrees to indemnify all persons or entities for any claims or actions resulting from its reuse to the extent that said claim or action results from such reuse. The TOLLWAY agrees to require any person (including the TOLLWAY itself) reusing the plans provided by the DESIGN SECTION ENGINEER to abide by the terms and conditions set forth in this paragraph.

ARTICLE IX

Financial Statement

The DESIGN SECTION ENGINEER shall, within ten (10) days after requested by the TOLLWAY, furnish the TOLLWAY with a current statement of the financial condition of the DESIGN SECTION ENGINEER and any other financial information requested by the TOLLWAY.

ARTICLE X

Successors and Assigns

The TOLLWAY and DESIGN SECTION ENGINEER each bind themselves, their successors and assigns to the other party of this Agreement and to the successors and assigns of such other party with respect to all covenants of this Agreement. Except as

this Agreement provides, neither the TOLLWAY nor the DESIGN SECTION ENGINEER shall assign, sublet or transfer its interest in this Agreement without the written consent of the other.

ARTICLE XI

Subcontractors

The DESIGN SECTION ENGINEER shall not subcontract or assign services to be performed under this Agreement without prior written approval of the TOLLWAY, except that the DESIGN SECTION ENGINEER may without such prior approval, contract with others for photogrammetric maps, equipment and supplies, printed matter, and other reproductions and stenographic, clerical or any other non-technical services.

ARTICLE XII

Suspension

The TOLLWAY may, from time to time, suspend and halt the services of DESIGN SECTION ENGINEER pursuant to this Agreement at its sole discretion effective five (5) days after delivery of written notice thereof for any period of time or times not exceeding a total of twelve (12) months. In the event of such suspension not occasioned by violation of the Agreement by the DESIGN SECTION ENGINEER, the DESIGN SECTION ENGINEER shall be paid for authorized services performed prior to the effective date of the suspension, including any reimbursable expenses then due, in accord with this Agreement.

ARTICLE XIII

Termination

A. Termination Without Cause

1. The TOLLWAY reserves the right, at its sole discretion, to terminate this Agreement without cause at any time. In the event of such termination, the TOLLWAY will promptly deliver a written Notice of Termination Without Cause to the DESIGN SECTION ENGINEER. Upon termination and within ten (10) days of said termination, the DESIGN SECTION ENGINEER shall prepare a detailed Progress Report, in form satisfactory to the Chief Engineering Officer of the TOLLWAY, including information as to all the services performed by the DESIGN SECTION ENGINEER and the status of the services as of the date of the termination, and provide all other information and documents developed under the terms of this Agreement as requested by the Chief Engineering Officer of the TOLLWAY. The TOLLWAY will review the Progress Report and services and determine the percentage of the work required to be performed under this Agreement that has been completed by the DESIGN SECTION ENGINEER. In case of dispute between the TOLLWAY and the DESIGN SECTION ENGINEER, the decision of the Chief Engineering Officer shall be final. At the request and direction of the Chief Engineering Officer of the TOLLWAY, the DESIGN SECTION ENGINEER

shall, additionally, within ten (10) days after the date of termination, furnish the TOLLWAY with two (2) sets of prints of plans, two (2) sets of Special Provisions and two (2) sets of calculations with respect to the services performed to date of termination in accordance with the requirements of the Design Section Engineer's Manual for The Illinois State Toll Highway Authority in effect at the date of contract execution, and as revised thereafter.

In the event the Chief Engineering Officer of the TOLLWAY requires additional services to be performed by the DESIGN SECTION ENGINEER to complete certain elements of the engineering services, the DESIGN SECTION ENGINEER shall prepare a final Progress Report on completion of the additional services. The TOLLWAY will review the final Progress Report and determine the percentage of completed services performed under the Agreement by the DESIGN SECTION ENGINEER.

2. The total compensation due to the DESIGN SECTION ENGINEER, in the event of termination without cause, shall be limited to the following, less all previous payments to the DESIGN SECTION ENGINEER and any credits or set-offs due to the TOLLWAY:

- a. Actual payroll cost for services properly performed prior to the effective date of termination, times a multiplier of **2.8000**;
- b. Actual reimbursable direct expenses incurred prior to the effective date of termination;
- c. Actual payroll cost times a multiplier of **2.8000** for any wind-up services after the effective date of termination as directed to be performed by the Chief Engineering Officer of the TOLLWAY;
- d. Actual reimbursable direct expenses incurred for any wind-up services after the effective date of termination as directed to be performed by the Chief Engineering Officer of the TOLLWAY;

B. Termination for Cause

1. In the event the DESIGN SECTION ENGINEER fails to meet any of its contractual obligations, as set forth in this Agreement including the proposal, then the TOLLWAY, at its option, may consider the Agreement as canceled effective upon the delivery of written Notice of Termination for Cause to the DESIGN SECTION ENGINEER, and the DESIGN SECTION ENGINEER shall have no further claims or rights against the TOLLWAY except as set forth herein. The TOLLWAY may, as additional remedies, and without prejudice to or waiver of any other right or remedy which it possesses hereunder or as a matter of law, complete the performance of the engineering services with its own forces, or secure services from any other available source and any difference in cost shall be charged back to the DESIGN SECTION ENGINEER, or at the option of the TOLLWAY the DESIGN SECTION ENGINEER shall promptly pay for or reimburse the TOLLWAY for any such difference in cost, or the

TOLLWAY may deduct any such cost from any payments due or to become due the DESIGN SECTION ENGINEER, if any. In addition to any difference in cost for services incurred by the TOLLWAY, the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY for any costs, fees, or expenses, including administrative, engineering and legal expenses incurred by the TOLLWAY due to the failure of the DESIGN SECTION ENGINEER to meet such obligations. The foregoing costs, fees and expenses, may, at the direction of the TOLLWAY, be deducted from any sums remaining due for services properly performed prior to the effective date of the cancellation and termination.

2. The conditions for termination for cause are as follows:

- a. If DESIGN SECTION ENGINEER becomes insolvent, commits any act of bankruptcy, makes a general assignment for the benefit of creditors, or becomes the subject of any proceeding commenced under any statute or law established for the relief of debtors;
- b. If a receiver, trustee or liquidator of any of the property or income of DESIGN SECTION ENGINEER shall be appointed;
- c. If DESIGN SECTION ENGINEER shall fail to perform the scope of services, or any part thereof, with the diligence necessary to maintain its progress and complete the scope of services as prescribed by the time schedule and shall fail to take such steps as directed by the TOLLWAY to remedy delays within five (5) days after written notice thereof from TOLLWAY;
- d. If DESIGN SECTION ENGINEER shall violate any of the terms, provisions, conditions, covenants, or Certifications contained in this Agreement and shall fail to take such steps as directed by the TOLLWAY to remedy such default within five (5) days after written notice thereof from TOLLWAY.

3. Upon termination for cause, and within ten (10) days of such notice, the DESIGN SECTION ENGINEER shall prepare a detailed Progress Report in a form satisfactory to the Chief Engineering Officer of the TOLLWAY, including information as to all services performed by the DESIGN SECTION ENGINEER and the status of the services as of the date of the termination, and provide all other information and documents developed under the terms of this Agreement as requested by the Chief Engineering Officer of the TOLLWAY. The TOLLWAY will review the Progress Report and determine the percentage of services that have been performed under this Agreement by the DESIGN SECTION ENGINEER. In the case of dispute between the TOLLWAY and the DESIGN SECTION ENGINEER, the decision of the Chief Engineering Officer shall be final. At the request and direction of the Chief Engineering Officer of the TOLLWAY, the DESIGN SECTION ENGINEER shall additionally, within ten (10) days after the date of termination, furnish the TOLLWAY with two (2) sets of prints of plans, two (2) sets of Special Provisions and two (2) sets of calculations with respect to the services performed to the date of termination in accordance with the

requirements of the Design Section Engineer's Manual for The Illinois State Toll Highway Authority in effect at the date of contract execution, and as revised thereafter.

4. The total compensation due to the DESIGN SECTION ENGINEER in the event of Termination for Cause shall be the following, less all previous payments to the DESIGN SECTION ENGINEER, and any credits or set-offs due to the TOLLWAY:

- a. Actual payroll cost for services properly performed prior to the effective date of termination, times a multiplier of **2.8000**;
- b. Actual reimbursable direct expenses incurred prior to the effective date of termination;

C. Termination due to Lack of an Appropriation

This Agreement 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 Agreement. Currently, the TOLLWAY is not required to obtain a yearly appropriation of its funds. However, the TOLLWAY cannot and does not make any representation or warranties concerning future appropriation requirements.

ARTICLE XIV

Solicitations

The DESIGN SECTION ENGINEER warrants that no person or selling agency has been employed or retained to solicit or secure this Agreement upon an agreement or understanding for a commission, percentage, brokerage or contingent fee. For breach or violation of this warranty, the TOLLWAY shall have the right to annul this Agreement 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.

ARTICLE XV

Record Retention and Audit

In compliance with the Illinois Procurement Code (30 Ill. Comp. Stat. 500/20-65) and rules promulgated thereunder, every CONTRACT for goods and services shall provide that the contractor shall maintain certain records, books and documents.

The DESIGN SECTION ENGINEER shall maintain in the State of Illinois, for a minimum of five 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 year

record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The DESIGN SECTION ENGINEER 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, the Chief Procurement Officer for General Services, 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. For purposes of this section, "timeliness" will be considered production within the time period specified by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, but no later than thirty days after a request for records being made unless otherwise agreed to by the parties. The DESIGN SECTION ENGINEER agrees to cooperate fully with any audit conducted by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, and to provide full access to all relevant materials. The auditors reserve the right to enter the DESIGN SECTION ENGINEER's place of business in order to audit the records. If they are not produced in a timely manner by the DESIGN SECTION ENGINEER, then the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY or other State agency for the travel expenses of its auditors in the event that this right is invoked.

The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the DESIGN SECTION ENGINEER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the DESIGN SECTION ENGINEER'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 DESIGN SECTION ENGINEER or its subcontractors. The DESIGN SECTION ENGINEER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the DESIGN SECTION ENGINEER, whether those funds are due under this contract or other contracts to which the DESIGN SECTION ENGINEER is a party either directly with the TOLLWAY or as a subcontractor. In the event the DESIGN SECTION ENGINEER fails or refuses to reimburse the TOLLWAY for an overpayment, the DESIGN SECTION ENGINEER 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 DESIGN SECTION ENGINEER 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 DESIGN SECTION ENGINEER fails to comply with these requirements, the DESIGN SECTION ENGINEER may be disqualified or suspended from bidding on or working on future contracts.

ARTICLE XVI

Notices

Notices to be given hereunder or documents to be delivered shall be deemed sufficient if delivered personally or mailed by certified mail to the DESIGN SECTION ENGINEER at **CH2M Hill, Inc., 8735 West Higgins Road, Suite 400, Chicago, Illinois 60631** or to the Chief Engineering Officer 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 at any time or times.

ARTICLE XVII

Quality Assurance and Quality Control (QA/QC) Plan

The DESIGN SECTION ENGINEER'S QA/QC PLAN for this PROJECT must be presented by the DESIGN SECTION ENGINEER fourteen (14) days after receiving the signed contract. After acceptance by the TOLLWAY, the DESIGN SECTION ENGINEER must adhere to this QA/QC Plan and will be required to periodically confirm, in writing, that they have complied with the approved plan. The statement of compliance must be submitted to the TOLLWAY Project Manager with each milestone submittal (preliminary plans, draft reports, soil report, drainage study, etc.).

The QA/QC Plan must follow the GUIDELINES FOR the DESIGN SECTION ENGINEER'S QUALITY PROGRAM, which will be provided by the TOLLWAY.

ARTICLE XVIII

Miscellaneous

This Agreement, when executed by the DESIGN SECTION ENGINEER, shall be an offer by the DESIGN SECTION ENGINEER to the TOLLWAY and shall not be construed as an offer by the TOLLWAY to the DESIGN SECTION ENGINEER. All Agreements are subject to the statutes, rules, regulations and policies governing the TOLLWAY and are expressly subject to the approval of the TOLLWAY's Board of Directors, the Procurement Policy Board, the Chief Procurement Officer for General Services, and the Attorney General of the State of Illinois.

ARTICLE XIX

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 authority to conduct investigations into certain matters including but not limited to allegations of fraud, waste and abuse, and to conduct reviews. The Vendor/Contractor will 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.

ARTICLE XX

Engineer Selection Process

The TOLLWAY and the DESIGN SECTION ENGINEER hereby certify that they are in compliance with the provisions of the Architectural, Engineering and Land Surveying Qualifications Based Selection Act (30 ILCS 535) with respect to the procurement of the services covered in this Agreement.

ARTICLE XXI

Report of a Change in Circumstances

The DESIGN SECTION ENGINEER agrees to report to the TOLLWAY as soon as practically possible, but no later than 21 days following any change in facts or circumstances that might impact the DESIGN SECTION ENGINEER'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 DESIGN SECTION ENGINEER's Certification/Disclosure Forms, the DESIGN SECTION ENGINEER's IDOT pre-qualification, or any certification or licensing required for this project. Additionally, the DESIGN SECTION ENGINEER agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the DESIGN SECTION ENGINEER, 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.

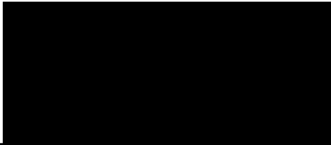
Further, the DESIGN SECTION ENGINEER agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontracts relating to work performed under this agreement. The DESIGN SECTION ENGINEER agrees to forward or relay to the Tollway any reports received from subcontractors pursuant to this paragraph within 21 days.

Finally, the DESIGN SECTION ENGINEER acknowledges and agrees that the failure of the DESIGN SECTION ENGINEER to comply with this reporting requirement shall constitute a material breach of contract which may result in this contract being declared void.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement for
CONTRACT I-16-4266 the day and year first above written.

THE ILLINOIS STATE TOLL
HIGHWAY AUTHORITY

CH2M HILL, INC. /
KNIGHT E/A, INC. TM

By 
Chair/Executive Director-Signature
Robert Schillerstrom/Greg Bedalov

7/3/17

Date


President-Signature Date
CH2M Hill, Inc.

5/18/17

VICE

LIDIA PILECKY

APPROVED:


Chief Financial Officer - Signature Date
Michael Golsch

7/3/17

Dep Chief of Finance

Printed Name as Signed Above


President-Signature Date
Knight E/A Inc.

5/16/17

Kevin E. Lentz

Printed Name as Signed Above

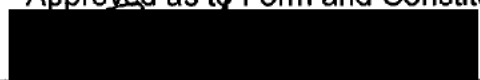
APPROVED:


General Counsel - Signature Date
Elizabeth Oplawski

6/30/17

Attm

Approved as to Form and Constitutionality


Attorney General, State of Illinois - Robert Lane - Signature Date

6-30-2017

DESIGN SECTION ENGINEER PROPOSAL

FOR CONTRACT NUMBER I-16-4266

This proposal, dated May 11, 2017, is submitted by CH2M Hill /Knight E/A TM of Chicago, Illinois for Design Section Engineer's Service.

DESCRIPTION/LOCATION OF DESIGN SECTION

The location of the construction Contract I-16-4266 for which we propose to provide Design Section Engineering Services is IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports, in Lake & Cook County (Counties), Illinois.

SCOPE OF DESIGN SECTION ENGINEERING SERVICES

Design Engineering Services following selection from PSB 16-3, more fully detailed in Exhibit F, attached hereto, will be executed in full compliance with the Illinois State Toll Highway Authority's *Design Section Engineer's Manual*, dated March 2016 (and as revised), and with the Illinois State Toll Highway Authority's (hereinafter referred to as "TOLLWAY") current practices. These services shall include preparation of contract plans, special provisions, construction schedule and review of bids; all field surveys, investigations, designs and analyses required to complete the work; checking of shop drawings and consultation during the construction period. Four copies of all design notes, quantity calculations and field books shall be submitted to the TOLLWAY with the final plans. These documents will be indexed and cross referenced in a manner which can be easily referenced by the Construction Manager.

RESPONSIBILITY

The DESIGN SECTION ENGINEER acknowledges the fact that neither interim nor final reviews by the TOLLWAY or its Consulting Engineer relieve the DESIGN SECTION ENGINEER of its responsibility for the accuracy and adequacy of the contract documents for this project.

FEE PROPOSAL

The DESIGN SECTION ENGINEER shall be compensated for Engineering Services on the following basis:

PAYROLL COSTS TIMES A MULTIPLIER, PLUS REIMBURSEMENT OF DIRECT EXPENSES, WITH AN UPPER LIMIT OF COMPENSATION.

The compensation elements and their limits are more fully detailed as follows:

PAYROLL COSTS AND MULTIPLIER - During the course of the project, compensation shall be equal to Actual Direct Labor Costs (less overtime premium) multiplied by a factor of 2.80 to compensate for **Payroll Burden and Fringe Costs, Overhead and Miscellaneous Indirect Costs, and Profit.** This factor shall be used for periodic invoicing during the project.

"Actual Direct Labor" shall be reimbursed only for actual payroll costs paid to individuals employed directly by the DESIGN SECTION ENGINEER, independent contractors and contract employees shall be treated as "reimbursable direct costs" and not "actual direct salary." Subcontractors shall be treated as "Services by Others."

Exhibit C-1 (Payroll Classification Escalation Table) shall identify the direct labor escalation for the duration of the project. Pay rate increases shall be limited to one per calendar year. Cumulative labor increases for the DESIGN SECTION ENGINEER may not exceed the direct labor escalation rate listed in Exhibit C-1 for any twelve month period.

Exhibit C-2 (Direct Labor Classification Man-Hours and Rates)

This exhibit establishes employee classifications and rate ranges and determines the Total Direct Labor for the project.

Exhibit C-3 (Company Employee Classification List) shall establish the classifications, of the company's staff. Classifications must be included on Exhibit C-3 to be reimbursable.

The direct labor rate allowable for any individual at the outset of the project for invoicing purposes will be the rate listed on a "Certified Payroll Summary" to be submitted by the DESIGN SECTION ENGINEER at the start of the project. A revised "Certified Payroll Summary" must be submitted at the time of annual labor rate increases and when a newly hired employee is added to the TOLLWAY project.

A "normal work week" can be negotiated up to 45 hours per week. Overtime (straight time) for salaried positions cannot be invoiced beyond the number of hours in the "normal work week" unless pre-approved, in writing, by the project manager. These positions will be determined during negotiations of the contract or as the salaried position is added to the project.

Promotions resulting in labor rate increases will only be permitted if the promotion occurs on this project to a pre-approved contract position. Employees promoted within the company will not be entitled to a rate increase on this project beyond the rate appropriate for the services being performed by the employee. Any increase will be at the date of the approved promotion.

Timesheets for each employee billed to the contract must be submitted with the invoice. The timesheets must be signed by both the employee and the employee's supervisor. The timesheets must include all hours paid to the employee, including non-billable time and time worked on other projects.

REIMBURSABLE DIRECT COSTS - The Reimbursable Direct Costs Worksheet determines the total dollar amount of Direct costs for the project. See Exhibit D. The DESIGN SECTION ENGINEER is responsible for managing the Direct Costs expended so the total Reimbursable Direct Cost amount is not exceeded. All Direct Costs presented for reimbursement must be included on the Allowable Direct Costs list made available in the Professional Service Bulletin (attached to Exhibit D). Direct Costs not identified on the Allowable Direct Costs list must be approved in writing by the Chief Engineering Officer of the TOLLWAY prior to reimbursement. Premium portions of overtime and Reimbursable Direct Costs will be reimbursed upon presentation of appropriate documentation.

Reimbursement for the use of automotive vehicles furnished by the DESIGN SECTION ENGINEER will be in accordance with the State of Illinois Government Rate in effect on the date of this proposal (see Exhibit D).

Such rate of reimbursement will be considered full payment for all costs including, but not limited to: the furnishing, insuring, operating, and maintaining the automotive vehicles. The term "automotive vehicle" includes automobiles, pick-up trucks, station wagons, vans, and the like. The DESIGN SECTION ENGINEER shall maintain itemized vehicle usage records for all vehicles billed to the contract. Said records shall contain at a minimum the individual who used the vehicle, the date of usage, and the purpose or destination.

No surcharge for handling or processing will be charged or approved. No profit will be paid for Direct Costs.

SERVICES BY OTHERS (Exhibit H) - The fees for services provided by all subcontractors shall be summarized on Exhibit H and Exhibit H (Cont). All subcontractors are required to submit Exhibits A-H (Cont).

The DESIGN SECTION ENGINEER understands that the contract is between the TOLLWAY and the DESIGN SECTION ENGINEER. The DESIGN SECTION ENGINEER is responsible for monitoring and managing the work and budget of all subcontractors.

The ADDITIONAL SERVICES PROVISION (if any) included in this proposal (see *Exhibit B*) will be for the sole purpose of funding increases in the Scope of Work, which have been identified as potential extra services prior to the start of work. The additional services funds will not be used to cover costs for items included in the original Scope of Design Engineering Services. The authorization for the use of the Additional Services Funds must be in writing from the Chief Engineering Officer of the TOLLWAY.

MAXIMUM ALLOWABLE FEE - The upper limit of compensation to the DESIGN SECTION ENGINEER, for all costs, shall be \$ 25,000,000.00 (see *Exhibit B*), which limit may not be exceeded unless authorized by a Supplemental Contract and approved by the TOLLWAY's Board of Directors. This sum represents the maximum compensation limit for completion of all Engineering Services for all items of work included in the Scope of Design Section Engineering Services (*Exhibit F*). If potential additional services have been identified in the scope of work (*Exhibit F*), it is understood that these services may not be requested by the TOLLWAY. If these services are requested by the TOLLWAY to be performed by the DESIGN SECTION ENGINEER, Exhibits A-H (Cont) must be submitted by the DESIGN SECTION ENGINEER for the TOLLWAY's approval prior to commencement of the work.

REVISIONS TO THE SCOPE OF WORK - If at any time during the execution of the work the DESIGN SECTION ENGINEER feels that he/she is being directed to perform services not included in the Scope Of Work, he/she will give immediate written notice to the Chief Engineering Officer of the TOLLWAY requesting a change in the Scope Of Work. This notification shall include the following:

- A. Definition of the revision to the scope.
- B. Documentation of the facts leading to or requiring the revision to the Scope of Work.
- C. Scheduling impact.
- D. Construction cost impact.
- E. Design fee impact including:
 - 1. Labor
 - 2. Direct Cost
 - 3. Other

The Chief Engineering Officer of the TOLLWAY shall review and respond to the notification in a timely manner.

The DESIGN SECTION ENGINEER shall not proceed with any of the items of work which he/she believes are not included in the Scope Of Work until he/she submits the above notification and receives the written Authorization To Proceed from the Chief Engineering Officer of the TOLLWAY. If additional funds are required for the supplemental work, this Authorization to Proceed must receive the required TOLLWAY approvals authorizing the funds for the supplemental work.

PROGRESS REPORTS - The DESIGN SECTION ENGINEER will submit monthly progress and staffing reports including a narrative report and providing a brief discussion of the status of the design. These reports must be submitted with the invoice covering the same period, and must be received by the TOLLWAY within 20 calendar days following the reporting period.

PROJECT STATUS EVALUATION - It will be the DESIGN SECTION ENGINEER's responsibility, when the total monies due the DESIGN SECTION ENGINEER approach 50% of the Total Contract Fee, to review the work accomplished and the work remaining, as well as the project schedule. The DESIGN SECTION ENGINEER shall then furnish the Chief Engineering Officer of the TOLLWAY with a written copy of his evaluation. If the project progress is determined to be unsatisfactory by the TOLLWAY, the DESIGN SECTION ENGINEER may be required to do the same review prior to the point in time that the costs incurred reach 70% and 90% of the Total Contract Amount.

KEY PERSONNEL - Exhibit E is a list of the Key Personnel who will be assigned to this project, should this proposal be accepted, together with a brief resume for each. It is understood that the TOLLWAY reserves the right to review the performance of assigned personnel at any time and the DESIGN SECTION ENGINEER agrees to replace or re-assign personnel who are deemed by the TOLLWAY to not be suited to the task to which they are assigned. The DESIGN SECTION ENGINEER further agrees to assign employees to this project in a manner which will minimize engineering design expenses to the TOLLWAY.

CURRENT WORK LOAD - Attached hereto is Exhibit G, a Statement of Active and Pending Transportation Related Projects.

TERMS AND CONDITIONS - This document hereby incorporates by reference the "Contract" attached hereto and made a part hereof. The DESIGN SECTION ENGINEER understands and agrees that it shall be bound by the terms and conditions contained in the attached Contract including but not limited to those items contained in the Article titled "Insurance". The DESIGN SECTION ENGINEER shall provide a copy of a Certificate of Insurance as Exhibit I. In the event there is a conflict between the terms of this proposal and the terms of the attached Contract, the terms contained in the Contract shall control. The DESIGN SECTION ENGINEER also agrees that it shall be required to procure and maintain additional insurance, if any is listed below, under the same terms and conditions specified in the Agreement. Specialized, project specific insurance, namely Railroad Protective Liability Insurance, may be considered for reimbursement as a direct cost.

Said additional insurance shall be in addition to any and all insurance required by the Contract.

INVOICES - INVOICES will be submitted monthly on forms provided to the DESIGN SECTION ENGINEER at the start of the project. The invoice cutoff date will coincide with the Monthly Progress Report. All payroll documentation and costs relating to this project will be available for audit by the TOLLWAY upon request.

INVOICES for services performed and expenses incurred through December 31st must be submitted to the TOLLWAY no later than February 28th of the subsequent year. The DESIGN SECTION ENGINEER expressly acknowledges that the TOLLWAY, at its discretion, reserves the right not to honor any delinquent INVOICE if the DESIGN SECTION ENGINEER fails to obtain prior written approval from the Chief Engineering

Officer for an alternative INVOICE submission date. DESIGN SECTION ENGINEER will request such approval or an INVOICE submittal extension no later than February 15th.

RECORD RETENTION AND AUDIT - In compliance with the Illinois Procurement Code (30 Ill. Comp. Stat. 500/20-65) and rules promulgated thereunder, every CONTRACT for goods and services shall provide that the contractor shall maintain certain records, books and documents.

The DESIGN SECTION ENGINEER shall maintain in the State of Illinois, for a minimum of five 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 year record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The DESIGN SECTION ENGINEER 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. For purposes of this section, "timeliness" will be considered production within the time period specified 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, but no later than thirty days after a request for records being made unless otherwise agreed to by the parties. The DESIGN SECTION ENGINEER agrees to cooperate fully with any audit conducted 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, and to provide full access to all relevant materials. The auditors reserve the right to enter the DESIGN SECTION ENGINEER's place of business in order to audit the records. If they are not produced in a timely manner by the DESIGN SECTION ENGINEER, then the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY or other State agency for the travel expenses of its auditors in the event that this right is invoked.

The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the DESIGN SECTION ENGINEER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the DESIGN SECTION ENGINEER'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 DESIGN SECTION ENGINEER or its subcontractors. The DESIGN SECTION ENGINEER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the DESIGN

SECTION ENGINEER, whether those funds are due under this contract or other contracts to which the DESIGN SECTION ENGINEER is a party either directly with the TOLLWAY or as a subcontractor. In the event the DESIGN SECTION ENGINEER fails or refuses to reimburse the TOLLWAY for an overpayment, the DESIGN SECTION ENGINEER 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 DESIGN SECTION ENGINEER 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 DESIGN SECTION ENGINEER fails to comply with these requirements, the DESIGN SECTION ENGINEER may be disqualified or suspended from bidding on or working on future contracts.

THIS PROPOSAL FOR DESIGN SECTION ENGINEERING SERVICES FOR

CONTRACT I-16-4266

SUBMITTED BY:

FIRM NAME: CH2M Hill /Knight E/A TM

ADDRESS: 8735 West Higgins Road, Suite 400

**CITY, STATE &
ZIP CODE:** Chicago, Illinois 60631

TELEPHONE: (414) 847-0311

FACSIMILE: (414) 272-4408

SIGNED BY: _____

PRINTED NAME: Brad Helmlich, P.E.

TITLE: Vice President

Biggs, Susan

From: Ryan, Mary Jo
Sent: Tuesday, May 23, 2017 2:31 PM
To: Biggs, Susan
Cc: Lanzo, Paul
Subject: RE: I-16-4266 - CH2M Hill, Inc. - MAY Board Item - Disclosure Review, IPB# 22038320

Sue,

Disclosures are approved to move forward for the following:

- 1) CH2M Hill, Inc.

Thank you,

Mary Jo Ryan
Document Control Coordinator
Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515
Office: 630-241-6800 x 2644
Email: mjryan@getipass.com

From: Biggs, Susan
Sent: Tuesday, May 23, 2017 11:22 AM
To: Ryan, Mary Jo
Cc: Lanzo, Paul
Subject: I-16-4266 - CH2M Hill, Inc. - MAY Board Item - Disclosure Review, IPB# 22038320

Mary Jo,

The following Financial Disclosure has been provided for your review and the Prime Consultant has been added to the spreadsheet.

I-16-4266 - CH2M Hill, Inc

This is a May Board agenda item. PSB 16-3 – IBP Notice 22038320

Please note that CH2M Hill is the managing partner in a teaming agreement with Knight E/A whose disclosures will be submitted separately.

Please let me know if you need any additional information.

Thanks,
Sue Biggs

ILLINOIS TOLLWAY CONTRACT NO.:

I-16-4266

CONTRACTOR (NAME):

CH2M HILL, Inc.

1. PAYMENT TERMS AND CONDITIONS:

- 1.1 **Minority Contractor Initiative:** Any Vendor awarded a contract under Section 20-10, 20-15, 20-25 or 20-30 of the Illinois Procurement Code (30 ILCS 500) of \$1,000 or more is required to pay a fee of \$15. The Comptroller shall deduct the fee from the first check issued to the Vendor under the contract and deposit the fee in the Comptroller's Administrative Fund. 15 ILCS 405/23.9.
- 1.2 **Expenses:** The State will not pay for supplies provided or services rendered, including related expenses, incurred prior to the execution of this contract by the Parties even if the effective date of the contract is prior to execution.
- 1.3 **Prevailing Wage:** As a condition of receiving payment Vendor must (i) be in compliance with the contract, (ii) pay its employees prevailing wages when required by law, (iii) pay its suppliers and subcontractors according to the terms of their respective contracts, and (iv) provide lien waivers to the State upon request. Examples of prevailing wage categories include public works, printing, janitorial, window washing, building and grounds services, site technician services, natural resource services, security guard and food services. The prevailing wages are revised by the Department of Labor and are available on the Department's official website, which shall be deemed proper notification of any rate changes under this subsection. Vendor is responsible for contacting the Illinois Department of Labor to ensure understanding of prevailing wage requirements at 217-782-6206 or (<http://www.state.il.us/agency/idol/index.htm>).
- 1.4 **Federal Funding:** This contract may be partially or totally funded with Federal funds. If federal funds are expected to be used, then the percentage of the good/service paid using Federal funds and the total Federal funds expected to be used will be provided in the award notice.
- 1.5 **Invoicing:** By submitting an invoice, Vendor certifies that the supplies or services provided meet all requirements of the contract, and the amount billed and expenses incurred are as allowed in the contract. Invoices for supplies purchased, services performed and expenses incurred through December 31 of any year must be submitted to the State no later than February 28 of the following year; otherwise Vendor may have to seek payment through the Illinois Court of Claims. 30 ILCS 105/25. All invoices are subject to statutory offset. 30 ILCS 210.
- 1.5.1 Vendor shall not bill for any taxes unless accompanied by proof that the State is subject to the tax. If necessary, Vendor may request the applicable Agency/University state tax exemption number and federal tax exemption information.
- 1.5.2 Vendor shall invoice at the completion of the contract unless invoicing is tied in the contract to milestones, deliverables, or other invoicing requirements agreed to in the contract.

2. ASSIGNMENT: This contract may not be assigned, transferred in whole or in part by Vendor without the prior written consent of the State.

3. AUDIT/RETENTION OF RECORDS: Vendor and its subcontractors shall maintain books and records relating to the performance of the contract or subcontract and necessary to support amounts charged to the State pursuant to 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

Illinois Tollway Standard Business Terms and Conditions Page 1

Revised 02/28/2017

EXHIBIT "1"
Page 10 of 542

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 authority, 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/legislation/ilcs/ilcs.asp>.
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 AUTHORITY:** The Agency that signs for the State of Illinois shall be the only State entity responsible for performance and payment under the contract. When the Chief Procurement Officer or authorized designee signs in addition to an Agency, they do so as approving officer and shall have no liability to Vendor. When the Chief Procurement Officer or authorized designee, or State Purchasing Officer signs a master contract on behalf of State agencies, only the Agency that places an order with the Vendor shall have any liability to Vendor for that order.
17. **NOTICES:** Notices and other communications provided for herein shall be given in writing by registered or certified mail, return receipt requested, by receipted hand delivery, by courier (UPS, Federal Express or other similar and reliable carrier), by e-mail, or by fax showing the date and time of successful receipt. Notices shall be sent to the individuals who signed the contract using the contact information following the signatures. Each such notice shall be deemed to have been provided at the time it is actually received. By giving notice, either Party may change the contact information.

18. **MODIFICATIONS AND SURVIVAL:** Amendments, modifications and waivers must be in writing and signed by authorized representatives of the Parties. Any provision of this contract officially declared void, unenforceable, or against public policy, shall be ignored and the remaining provisions shall be interpreted, as far as possible, to give effect to the Parties' intent. All provisions that by their nature would be expected to survive, shall survive termination. In the event of a conflict between the State's and the Vendor's terms, conditions and attachments, the State's terms, conditions and attachments shall prevail.
19. **PERFORMANCE RECORD / SUSPENSION:** Upon request of the State, Vendor shall meet to discuss performance or provide contract performance updates to help ensure proper performance of the contract. The State may consider Vendor's performance under this contract and compliance with law and rule to determine whether to continue the contract, suspend Vendor from doing future business with the State for a specified period of time, or to determine whether Vendor can be considered responsible on specific future contract opportunities.
20. **FREEDOM OF INFORMATION ACT:** This contract and all related public records maintained by, provided to or required to be provided to the State are subject to the Illinois Freedom of Information Act (FOIA) (50 ILCS 140) notwithstanding any provision to the contrary that may be found in this contract.
21. **SCHEDULE OF WORK:** Any work performed on State premises shall be done during the hours designated by the State and performed in a manner that does not interfere with the State and its personnel.
22. **WARRANTIES FOR SUPPLIES AND SERVICES:**
- 22.1 Vendor warrants that the supplies furnished under this contract will: (a) conform to the standards, specifications, drawing, samples or descriptions furnished by the State or furnished by the Vendor and agreed to by the State, including but not limited to all specifications attached as exhibits hereto; (b) be merchantable, of good quality and workmanship, and free from defects for a period of twelve months or longer if so specified in writing, and fit and sufficient for the intended use; (c) comply with all federal and state laws, regulations and ordinances pertaining to the manufacturing, packing, labeling, sale and delivery of the supplies; (d) be of good title and be free and clear of all liens and encumbrances and; (e) not infringe any patent, copyright or other intellectual property rights of any third party. Vendor agrees to reimburse the State for any losses, costs, damages or expenses, including without limitations, reasonable attorney's fees and expenses, arising from failure of the supplies to meet such warranties.
- 22.2 Vendor shall insure that all manufacturers' warranties are transferred to the State and shall provide a copy of the warranty. These warranties shall be in addition to all other warranties, express, implied or statutory, and shall survive the State's payment, acceptance, inspection or failure to inspect the supplies.
- 22.3 Vendor warrants that all services will be performed to meet the requirements of the contract in an efficient and effective manner by trained and competent personnel. Vendor shall monitor performances of each individual and shall reassign immediately any individual who is not performing in accordance with the contract, who is disruptive or not respectful of others in the workplace, or who in any way violates the contract or State policies.
23. **REPORTING, STATUS AND MONITORING SPECIFICATIONS:**
- 23.1 Vendor shall immediately notify the State of any event that may have a material impact on Vendor's ability to perform the contract.

- 23.2 By August 31 of each year, Vendor shall report to the Agency or University the number of qualified veterans and certain ex-offenders hired during Vendor's last completed fiscal year. Vendor may be entitled to employment tax credit for hiring individuals in those groups. 35 ILCS 5/216, 5/217.

24. **EMPLOYMENT TAX CREDIT:** Vendors who hire qualified veterans and certain ex-offenders may be eligible for tax credits. 30 ILCS 500/45-67 and 45-70. Please contact the Illinois Department of Revenue (telephone #: 217-524-4772) for information about tax credits.

25. **SUPPLEMENTAL PROVISIONS**

25.1 **TOLLWAY SUPPLEMENTAL PROVISIONS**

25.1.1 **Agents and Employees:**

Vendor shall be responsible for the negligent acts and omissions of its agents, employees and subcontractors in their performance of Vendor's duties under this Contract. Vendor represents that it shall utilize the services of individuals skilled in the profession for which they will be used in performing services or supplying goods hereunder. In the event that the Tollway determines that any individual performing services or supplying goods for Vendor hereunder is not providing such skilled services or delivery of goods, it shall promptly notify the Vendor and the Vendor shall replace that individual.

25.1.2 **Publicity:**

Vendor shall not, in any advertisement or any other type of solicitation for business, state, indicate or otherwise imply that it is under contract to the Tollway nor shall the Tollway's name be used in any such advertisement or solicitation without prior written approval except as required by law.

25.1.3 **Third Party Beneficiaries:**

There are no third party beneficiaries to this Contract. This Contract is intended only to benefit the Tollway/Buyer and the Vendor.

25.1.4 **Successors In Interest:**

All the terms, provisions, and conditions of the Contract shall be binding upon and inure to the benefit of the parties hereto and their respective successors, assigns and legal representatives.

25.1.5 **Venue:**

Any claim against the Tollway arising out of this contract must be filed exclusively with Circuit Court for the Eighteenth Judicial Circuit, DuPage County, Illinois for State claims and the U.S. District Court for the Northern District of Illinois for Federal claims.

25.1.5.1 Whenever "State" is used or referenced in this Contract, it shall be interpreted to mean "Tollway".

25.1.5.2 The State Prompt Payment Act (30 ILCS 40) does not apply to the Tollway.

25.1.5.3 The Tollway is not currently an appropriated agency.

25.2 **Report of a Change in Circumstances:** The Vendor agrees to report to the TOLLWAY as soon as practically possible, but no later than 21 days following any change in facts or circumstances that might impact the Vendor'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 Vendor's Certification/Disclosure Forms, the Vendor's IDOT pre-qualification, or any certification or licensing

required for this project. Additionally, Vendor agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the Vendor, 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 Vendor agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontracts relating to work performed under this agreement. The Vendor agrees to forward or relay to the Tollway any reports received from subconsultants pursuant to this paragraph within 21 days.

Finally, the Vendor acknowledges and agrees that the failure of the Vendor to comply with this reporting requirement shall constitute a material breach of contract which may result in this contract being declared void.

25.3 VENDOR SUPPLEMENTAL PROVISIONS

☐ Vendor Supplemental Provisions:

STATE OF ILLINOIS

SOLICITATION AND CONTRACT TERMS AND CONDITIONS EXCEPTIONS

CH2M HILL, Inc. agrees with the terms and conditions set forth in the Professional Services Bulletin, 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."
	<i>CH2M HILL, Inc. does not take any exception to the Terms and Conditions for this contract.</i>
	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

Illinois Tollway hereby agrees to the exceptions provided by CH2M HILL, Inc. and to the Additional Terms and Conditions provided by CH2M HILL, Inc.

Agreed: CH2M HILL, Inc.	Agreed: Illinois Tollway
By: Lidia A. Pilecky, P.E.	By:
Signed: 	Signed:
Position: Vice President	Position:
Date: May 17, 2017	Date:



Sub-Consultant Information/Delinquent Debt Review
Consultant
Sub-Consultant
FEIN

Date: May 15, 2017 **Project Number:** I-16-4266
Project Name: PSB 16-3, Item 2: IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports

DELINQUENT DEBT REVIEW

CONTRACTOR/
CONSULTANT

Sub-Consultant Disclosure

Will you be using any sub-consultants? ☒ Yes ☐ No

If yes, you must identify below, to the extent the information is known, the names, addresses and type of work all Sub-Consultants you will be using in the performance of this Contract, together with the anticipated percentage each is expected to receive pursuant to this Contract. The State may request updated information at any time. For purposes of this section Sub-Consultants are those specifically hired to perform all, or part, of the work of this contract or to provide the supplies requested by the State.

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 sub-contractor/consultant certifications as shown on the Standard Sub-contractor Certification form available from the State.

Delinquent Payment. The Sub-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.

Consultant: CH2M HILL, Inc.

Federal Employment Identification Number (FEIN)

E-Mail: Lidia.pilecky@ch2m.com

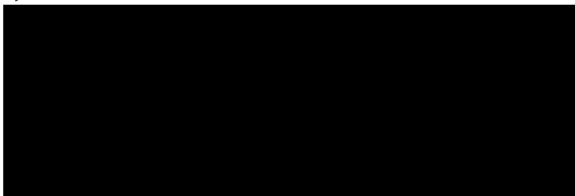
Include an attachment if more space is needed to provide the below information. The attachment must provide the requested information.

NOTE for Construction Contracts: List all known sub-contractors including those identified in the Bid Package on DBE Form 2025 and VOSB Form 2025, and include any name listed in the "Under Contract To" section of these forms.

<u>Sub-Consultant(s)</u>	<u>Sub-Consultant FEIN</u>	<u>Address</u>	<u>General Type of Work</u>	<u>Anticipated Percentage of Contract (to extent known)</u>
Knight E/A, Inc. (TEAM PARTNER)		221 North LaSalle St., Suite 300 Chicago, IL 60601	Financial Studies/Policy support, Engineering support – drainage, structures, roadway, tolling	29.56%

American Surveying & Engineering, P.C.		150 N. Wacker Dr., Suite 2650 Chicago, IL 60606	Surveying and Mapping; Mitigation Coordination; Strategic Advisor – NEPA	3%
CKL Engineers, LLC		700 N. Green, Suite 204 Chicago, IL 60642	Safety Analysis	0.3%
Collins Engineers, Inc.		123 N. Wacker Dr., Suite 900 Chicago, Illinois 60606	Structures and Roadway Support	1%
DAMA Consultants, Inc.		4524 W. Washington, Suite 2 Chicago, IL 60624	Traffic Studies; Travel Demand Modeling; GIS; Environmental Support	1.5%
DB Sterlin Consultants, Inc.		123 N. Wacker Dr, Suite 2000 Chicago, IL 60606	Traffic Analyses	2%
FluidClarity, Ltd.		1144 W. Lake St., Suite 303 Oak Park, IL 60301	Drainage, Hydraulics, Stormwater Management	2.5%
Geo Services, Inc.		805 Amherst Court, Naperville, IL 60565	Geotechnical	1%
Huff & Huff, Inc.		915 Harger Road, Suite 330 Oak Brook, IL 60523	Regulatory Agency Coordination; Noise; Biological Resources	2%
Images, Inc.		1250 E. Diehl Road, Suite 401 Naperville, IL 60563	Public Involvement; Strategic Communications	3%
Kabbes Engineering, Inc.		1250 S Grove Ave., Suite 200 Barrington, IL 60010	Multimodal Studies and Sustainable Design; Water Resources and Water Quality; Floodplains	0.5%
Martinez Geospatial		225 W. Ohio Street, 4th Floor Chicago, IL 60654	Surveying and Mapping	1.5%
Midwest Archaeological Research Services, Inc. (MARS)		3819 N. State Route 23 Suite F Marengo, IL 60152	Cultural Resources/Section 106	0.3%
Nossaman LLP		18101 Von Karman Ave, Suite 1800 Irvine, CA 92612	NEPA and Legal Support	0.5%
SB Friedman & Company		221 North LaSalle St., Suite 820 Chicago, Illinois 60601	Funding Strategies and Major Projects Documentation	2%
TERRA Engineering, Ltd.		225 W. Ohio Street, 4th Floor Chicago, IL 60654	Roadway, Interchange/Intersection Design Studies; Landscape and Aesthetics	2.5%
The Roderick Group		1327 West Washington Blvd Suite 105 Chicago, IL 60607	Geometric Studies; Environmental Support	2.5%

Signature:

A large black rectangular box redacting the signature.

Date: May 17, 2017

Printed Name: Lidia A. Pilecky, P.E.

**STATE OF ILLINOIS
TAXPAYER IDENTIFICATION NUMBER**

I certify that:

The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and

I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and

I am a U.S. person (including a U.S. resident alien).

- If you are an individual, enter your name and SSN as it appears on your Social Security Card.
- If you are a sole proprietor, enter the owner's name on the name line followed by the name of the business and the owner's SSN or EIN.
- If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's name on the name line and the D/B/A on the business name line and enter the owner's SSN or EIN.
- If the LLC is a corporation or partnership, enter the entity's business name and EIN and for corporations, attach IRS acceptance letter (CP261 or CP277).
- For all other entities, enter the name of the entity as used to apply for the entity's EIN and the EIN.

Name: Click here to enter text.

Business Name: CH2M HILL, Inc.

Taxpayer Identification Number:

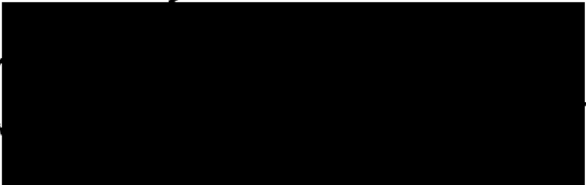
Social Security Number: Not Applicable

or

Employer Identification Number: 

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 |
| ☒ Corporation NOT providing or billing
medical and/or health care services | (select applicable tax classification) |
| | ☐ C = corporation |
| | ☐ P = partnership |

Signature of Authorized Representative: 

Date: May 15, 2017

Certificate of Registration

STATE BOARD OF ELECTIONS

Registration No. 15340

CH2M HILL, Inc.
9191 S. JAMAICA ST
ENGLEWOOD CO 80112

Information for this business last updated on:
Friday, May 22, 2015

Certificate produced on Tuesday, August 16, 2016 at 12:43 PM



EXHIBIT "1"



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

CH2M HILL, INC., INCORPORATED IN FLORIDA AND LICENSED TO TRANSACT BUSINESS IN THIS STATE ON AUGUST 04, 1993, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES, AND AS OF THIS DATE, IS A FOREIGN CORPORATION IN GOOD STANDING AND AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS.



***In Testimony Whereof, I hereto set
my hand and cause to be affixed the Great Seal of
the State of Illinois, this 16TH
day of MAY A.D. 2017 .***

Jesse White

SECRETARY OF STATE

Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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CH2M Hill, Inc.

System Vendor Number: 20007368

[Return to Main Form](#)

Vendor Registration

FORM NAME	A - B. Business Information & Additional Information
DESCRIPTION	Complete section A and B, in order to submit this form.
DATE SUBMITTED	12/29/2016
STATUS	Accepted
BUSINESS NAME	CH2M Hill, Inc.
POINT OF CONTACT	Rebecca Belvis
FLAG FORM	Add Flag

A. Business Information

1. YOUR BUSINESS IS REGISTERING AS A	Prime contractor and subcontractor	
2. NAME OF CEO/BUSINESS OWNER	Jacqueline Hinman	
3. ANNUAL SALES/GROSS RECEIPTS	842,663,756	
4. WHEN WAS YOUR BUSINESS ESTABLISHED?	01/05/1946	
5. IN WHAT ILLINOIS COUNTY(IES) ARE YOU CONDUCTING BUSINESS?	The business conducts business statewide.	
6. CONTACT PERSON FOR THIS VENDOR REGISTRATION	Aaron Chanowitz	
CONTACT PERSON TITLE	Vice President	
CONTACT PERSON PHONE	773-458-2813	
CONTACT PERSON EMAIL	aaron.chanowitz@ch2m.com	

B. Additional Information

1. HOW DID YOU LEARN ABOUT THE ILLINOIS PROCUREMENT GATEWAY?	Chief Procurement Office (CPO)	
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Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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CH2M Hill, Inc.

System Vendor Number: 20007368

[Return to Main Form](#)

Vendor Registration

FORM NAME	C. Small Business Set-Aside Program
DESCRIPTION	Complete the Small Business Set-Aside Program form
DATE SUBMITTED	12/29/2016
STATUS	Accepted
BUSINESS NAME	CH2M Hill, Inc.
POINT OF CONTACT	Rebecca Belvisi
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
---	----

130

Additional Information

STAFF ATTACHED FILE(S)

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Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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CH2M Hill, Inc. System Vendor Number: 20007368

[Return to Main Form](#)

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	12/29/2016
STATUS	Accepted
BUSINESS NAME	CH2M Hill, Inc.
POINT OF CONTACT	Rebecca Belvisi
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	4897	
2. SELECT THE DHR STATUS OF YOUR BUSINESS	My business had 15 or more employees at any time within the past year.	

9904900 7/25/2019

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	
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Additional Information

STAFF ATTACHED FILE(S)

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Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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CH2M Hill, Inc.

System Vendor Number: 20007368

Return to Main Form

Vendor Registration

FORM NAME	F - G. Certifications & Board of Elections
DESCRIPTION	Complete section F - G, in order to submit the form.
DATE SUBMITTED	12/29/2016
STATUS	Accepted
BUSINESS NAME	CH2M Hill, Inc.
POINT OF CONTACT	<u>Rebecca Belvisi</u>
FLAG FORM	<u>Add Flag</u>

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. 100

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 385/3 100

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 100

Yes

4. IF YOU ARE AWARDED A CONTRACT FOR WHICH THERE WAS A CURRENT VENDOR PROVIDING THE SERVICES COVERED BY THAT CONTRACT AND THE EMPLOYEES OF THAT VENDOR WHO PROVIDED THOSE SERVICES WERE COVERED BY A COLLECTIVE BARGAINING AGREEMENT, VENDOR CERTIFIES (I) THAT IT WILL OFFER TO ASSUME THE COLLECTIVE BARGAINING OBLIGATIONS OF THE PRIOR EMPLOYER, INCLUDING ANY EXISTING COLLECTIVE BARGAINING AGREEMENT WITH THE BARGAINING REPRESENTATIVE OF ANY EXISTING COLLECTIVE BARGAINING UNIT OR UNITS PERFORMING SUBSTANTIALLY SIMILAR WORK TO THE SERVICES COVERED BY THAT CONTRACT SUBJECT TO ITS BID OR OFFER; AND (II) THAT IT SHALL OFFER EMPLOYMENT TO ALL EMPLOYEES THAT ARE THEN CURRENTLY EMPLOYED IN ANY EXISTING BARGAINING UNIT WHO PERFORMS SUBSTANTIALLY SIMILAR WORK TO THE WORK THAT WILL BE PERFORMED PURSUANT TO THAT CONTRACT. THIS DOES NOT APPLY TO HEATING, AIR CONDITIONING, PLUMBING AND ELECTRICAL SERVICE CONTRACTS. 30 ILCS 500/25-80 100

Yes

5. 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 500/50-5 100

Yes

EXHIBIT "1"

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

14. 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 A PROCUREMENT. 30 ILCS 500/50-38

Yes

15. 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

16. 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

17. 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

EXHIBIT "1"

Yes

18. 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

19. 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

20. 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

21. 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

22. 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

23. 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

24. VENDOR CERTIFIES THAT IF IT OWNS RESIDENTIAL BUILDINGS, THAT ANY VIOLATION OF THE LEAD POISONING PREVENTION ACT HAS BEEN MITIGATED. 410 ILCS 45

Yes

25. 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

26. 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

27. 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

28. VENDOR WARRANTS AND CERTIFIES THAT IT AND, TO THE BEST OF ITS KNOWLEDGE, ITS SUBCONTRACTORS HAVE AND WILL COMPLY WITH EXECUTIVE ORDER NO. 1 (2007). THE ORDER GENERALLY PROHIBITS VENDORS AND SUBCONTRACTORS FROM HIRING THE THEN-SERVING GOVERNOR'S FAMILY MEMBERS TO LOBBY PROCUREMENT ACTIVITIES OF THE STATE, OR ANY OTHER 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

29. 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

EXHIBIT "1"

CONTRIBUTION THAT WILL VIOLATE THESE REQUIREMENTS.

Yes

30. 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.

15340

Additional Information

STAFF ATTACHED FILE(S)

Attach File

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CH2M Hill, Inc.

System Vendor Number: 20007368

[Return to Main Form](#)

Vendor Registration

FORM NAME	H. Iran Disclosure
DESCRIPTION	Complete section H, in order to submit this form.
DATE SUBMITTED	12/29/2016
STATUS	Accepted
BUSINESS NAME	CH2M Hill, Inc.
POINT OF CONTACT	Rebecca Belvisi
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)

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STATE OF ILLINOIS
FORMS B CERTIFICATIONS AND DISCLOSURES

IPB Reference #: 22038320 Procurement/Contract #: I-16-4266

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 a valid IPG Registration Number.

If a vendor does not have a valid IPG 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 a valid Illinois Procurement Gateway (IPG) registration. The State of Illinois Chief Procurement Office approved the registration and provided the IPG registration number and expiration date disclosed in this Forms B.

To ensure that you have a valid 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 a valid IPG registration.

IPG Registration #: 20007368 IPG Expiration Date: December 30, 2017

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), amended by Public Act No. 97-0895 (August 3, 2012). ☒ Yes ☐ No

3. Replacement Certification to IPG Certification #6 (supersedes response in IPG)

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 ☐ No

4. 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/Public University 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
Not applicable.	Not applicable.	Not applicable.

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency/University contract: Not applicable.

5. 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/University	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
See attached	See attached	See attached	See attached	See attached

6. 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: CH2M HILL, Inc.

Phone: 773-458-2847

Street Address: 8735 W. Higgins Road, Suite 400

Email: lidia.pilecky@ch2m.com

City, State, Zip: Chicago, IL 60631

Vendor Contact: Lidia A. Pilecky, P.E.

Signature

Date: May 15, 2017

Printed Name: Lidia A. Pilecky, P.E.

Title: Vice President

**STATE OF ILLINOIS
FORMS B CERTIFICATIONS AND DISCLOSURES**

Agency/University	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
Illinois Tollway	Elgin O'Hare Western Access Tollway, Design Corridor Manager	Contract plus pending amendment	\$103,839,394	I-11-4014
Illinois Tollway	Elgin O'Hare Western Access, Tollway CCM	Contract (Sub)	\$306,662	I-12-4082
Illinois Tollway	Elgin O'Hare Western Access, Construction Support	Contract (Sub)	\$70,000	I-14-4636
Illinois Tollway	IL 52/ IL 120 Environmental Impact Statement (EIS) and Related Reports	Pending	\$25,000,000	I-16-4266
Illinois Tollway	Elgin O'Hare Western Access Tollway Design Section Engineer	Contract (Sub)	\$5,390,000	I-15-4656
IDOT	IL 13 Final Design	Contract	\$2,597,345	PTB 154-058
IDOT	US 50 Phase I Study	Contract	\$827,321	PTB 156-042
IDOT	US 30 Phase I Study	Contract	\$539,357	PTB 159-006
IDOT	District 8 Var/Var	Contract	\$636,873	PTB 160-019
IDOT	Various IL Safety Program & Technical Support	Contract	\$12,000,000	PTB 170-021
IDOT	Various projects	Contract	\$1,800,000	PTB 175-002
IDOT	IL Route 3 Connector Phase I Study	Contract	\$1,785,648	PTB 180 - 023
IDOT	IDOT Strategic and Financial Planning Assistance for Alternative Contracting	Contract	\$3,793,525	RFP 13-HA-2

Vendor Registration: View

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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CH2M Hill, Inc.

System Vendor Number: 20007368

 1 flag has been added to this record. See below for details.☐ Show only flagged items.

Vendor Registration

TYPE	State of Illinois Vendor Registration
DESCRIPTION	Register to do business with the State of Illinois
DATE SUBMITTED	12/29/2016
STATUS	Accepted
REVIEWER	<u>Jeff Eason</u>
DATE REVIEWED	12/30/2016
PUBLIC REVIEW COMMENTS	
PRIVATE REVIEW COMMENTS	
EXPIRATION DATE	12/30/2017
FLAG FORM	<u>Add Flag</u>

Settings

SMALL BUSINESS SET-ASIDE PROGRAM (SBSP) REGISTERED	No
REGISTERING AS A	Prime & Subcontractor

Vendor Information

BUSINESS NAME	CH2M Hill, Inc.
PRIMARY CONTACT	<u>Rebecca Belvisi (change contact)</u>
PRIMARY CONTACT EMAIL	<u>rebecca.belvisi@ch2m.com</u>
PHONE	510-587-7532
FAX	510-750-7561
COMPANY EMAIL	<u>lael.sigal@ch2m.com</u>
TAX ID NUMBER	
COMPANY TYPE	Corporation
ADDRESS	9191 S. JAMAICA ST ENGLEWOOD, CO 80112 <u>(edit address)</u>

EXHIBIT "1"

Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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CH2M HILL, Inc.

System Vendor Number: 20007368

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1 flag has been added to this record. See below for details.

☐ Show only flagged items.

Vendor Registration

FORM NAME	I. Financial Disclosure & Conflicts of Interest
DESCRIPTION	Complete the Financial Disclosure & Conflicts of Interest form
DATE SUBMITTED	12/29/2016
STATUS	Accepted
BUSINESS NAME	CH2M HILL, Inc.
POINT OF CONTACT	Rebecca Belvisi
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	Attached by Rebecca Belvisi on 11/28/2016
Parent Entity's 10K (PDF, 719.49 KB)	
Parent Entity Disclosure (PDF, 393.17 KB)	

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.	Attached by Rebecca Belvisi on 11/28/2016
IPG Percentage of Ownership and Distributive Income Form.pdf (PDF, 83.23 KB)	

EXHIBIT "1"

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.

No

EXHIBIT "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

EXHIBIT "1"

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.

Yes

CH2M HILL maintains records of lawsuits filed in the last 5 years; a table summarizing these actions is attached. (after Parent Form)

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).

Customer Support

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

TO: Victoria Santiago
Sr. State Purchasing Officer

DATE: May 18, 2017

FROM: Paul D. Kovacs, P.E. PK
Chief Engineering Officer

SUBJECT: Contract No. I-16-4266
CH2M Hill, Inc.
Affirmative Response on Forms B IPG – Question 24

In the IPG disclosures submitted for CH2M Hill, Inc., the following question was answered Yes: "Have there been any adverse civil judgments and/or administrative findings with the previous ten years?" Included in CH2M Hill's IPG disclosures is a table summarizing the actions.

By copy of this memo, Engineering confirms our review of the information disclosed and that the Tollway has no issue with this information and wishes to proceed with the contract.

PDK:sb

**ILLINOIS PROCUREMENT GATEWAY
PERCENTAGE OF OWNERSHIP AND DISTRIBUTIVE INCOME FORM**

Vendor Name: CH2M HILL, Inc.

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
CH2M HILL Companies, Ltd.	9191 South Jamaica Street, Englewood, CO 80112	100%			

**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	CH2M HILL, Inc.
Doing Business As (DBA)	Click here to enter text.
Disclosing Entity	CH2M HILL Companies, Ltd.
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.

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

**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.

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

**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
Apollo Global Management, LLC	9 West 57 th Street, 43 rd Floor, New York, NY 10019	20%	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

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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 8 – 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: Click here to enter text.

1. Do you hold or are you the spouse or minor child who holds an elective office in the State of Illinois or hold a seat in the General Assembly? ☐ Yes ☐ No
2. Have you, your spouse, or minor child been appointed to or employed in any offices or agencies of State government and receive compensation for such employment in excess of 60% (\$106,447.20) of the salary of the Governor? ☐ Yes ☐ No
3. Are you or are you the spouse or minor child of an officer or employee of the Capital Development Board or the Illinois Toll Highway Authority? ☐ Yes ☐ No

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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: [Click here to enter text.](#)

1. Do you currently have, or in the previous 3 years have you had State employment, including contractual employment of services? ☐ Yes ☐ No
2. Has your spouse, father, mother, son, or daughter, had State employment, including contractual employment for services, in the previous 2 years? ☐ Yes ☐ No
3. Do you hold currently or have you held in the previous 3 years elective office of the State of Illinois, the government of the United States, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois? ☐ Yes ☐ No
4. Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding elective office currently or in the previous 2 years? ☐ Yes ☐ No
5. Do you hold or have you held in the previous 3 years any appointive government office of the State of Illinois, the United States of America, or any unit of local government authorized by the Constitution of the State of Illinois or the statutes of the State of Illinois, which office entitles the holder to compensation in excess of expenses incurred in the discharge of that office? ☐ Yes ☐ No
6. Do you have a relationship to anyone (spouse, father, mother, son, or daughter) holding appointive office currently or in the previous 2 years? ☐ Yes ☐ No
7. Do you currently have or in the previous 3 years had employment as or by any registered lobbyist of the State government? ☐ Yes ☐ No

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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: CH2M HILL Companies, Ltd. & Apollo Global Management, LLC

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

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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: CH2M HILL Companies, Ltd

Signature

Date: November 28, 2016

Printed Name: Lidia A. Pilecky, PE

Title: Vice President

Phone Number: 773-458-2847

Email Address: lidia.pilecky@ch2m.com

CH2M HILL, INC.

LITIGATION STATEMENT

(November 2011 - Current)

CH2M HILL, Inc. and its aligned entities strive to maintain a strong philosophy of resolving disputes, whenever possible, without resorting to litigation. While there have been some disputes, claims or lawsuits in the normal course of business, the number of such instances is minimal, especially considering the nature of work and the size of the company. The company considers such claims and related negotiations or resulting settlements to be confidential to the company and its clients. While the outcome of pending disputes is often difficult to predict, the senior management and General Counsel believe that no pending dispute, claim or lawsuit will result in a material adverse impact on the company's consolidated financial statements or its ability to perform its obligations under any contract.

CH2M HILL, Inc., discloses the following contractual and/or professional liability related lawsuit(s) currently pending, or which were filed within the last 5 years.

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
Jordan Valley Water Conservancy District Projects; Provo Reservoir Canal Enclosure Project; Plano to Richardson 173 and Wylie to Garland Projects; MITAC Project; Southern Delivery Projects, et. al	Lifelast, Inc. v. Corrosion Control Technologies, Inc.; Jeffrey Mattson; CH2M Hill, Inc. USDC Utah Case # 211cv00608	01/23/2012	*Lifelast, Inc	Corrosion Control Technologies, Inc.; Jeffrey Mattson; CH2M Hill, Inc	Alleged product disparagement, tortious interference, improper collusion with contract and prospective business relations, professional negligence, seeking only declaratory and injunctive relief.	Settled
Bayou Lafourche Diversion/Clearing/ Dredging Project	23 rd Judicial District Court, Parish of Ascension, State of Louisiana, Case No. 102574	01/27/2012	*Latino, Byron and Stacey	Bayou Lafourche Fresh Water District; Louisiana Coastal Protection and Restoration Authority; CH2M HILL, Inc.; F.	Alleged negligence	Discovery Phase

CH2M HILL, INC.

LITIGATION STATEMENT (November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
				Miller Construction, LLC		
Bayou Lafourche Diversion/Clearing/Dredging Project	23 rd Judicial District Court, Parish of Ascension, State of Louisiana, Case No. 102631	02/02/2012	*Weil, Eric and *Café Lafourche, Inc.	Bayou Lafourche Fresh Water District; Louisiana Coastal Protection and Restoration Authority; CH2M HILL, Inc.; F. Miller Construction, LLC	Alleged negligence	Discovery Phase
Clear Creek Waste Water Treatment Plant	Crumb, et. al. v. CH2M HILL Engineering Services, Inc; Superior Court of California, Shasta County Case # 174567	04/13/2012	Cathleen Crumb, Ashley Jared, Stephanie Crumb	CH2M HILL Engineering Services, Inc; CH2M HILL Engineers, Inc.; Santa Fe Tank & Heater Co, Inc; Does 1 through 50	Plaintiffs (direct family/successors-in-interest of Fredrick Crumb estate) allege negligence, wrongful death, strict liability and breach of warranty	Settled
Baton Rouge Sanitary Sewer Overflow (SSO) Control & Wastewater Facilities Program Management	USDC Middle District of Louisiana, Case No. 3:12-cv-00210-BAJ-SR	06/05/2012	*Texas Sterling Construction; 3 rd Party Plaintiff, *Design Precast and Pipe, Inc.	Design Precast and Pipe, Inc.; 3 rd Party Defendants, CH2M Hill, Inc.; Travelers Casualty and Surety Company of America	Alleged breach of contract; Counterclaim, wrongful termination; 3 rd Party Claims, alleged breach of duty to perform applicable standard	Settled between Texas Sterling and Design Precast and Pipe; Claims against CH2M HILL dismissed

CH2M HILL, INC.

LITIGATION STATEMENT
(November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
					of care; claim against payment bond	with prejudice.
Pelican Island Oysters	U.S. District Court for the Eastern District of Louisiana, Case No.:2:11-cvg-03041	08/22/2012	Manson Construction	CH2M HILL, Inc.	Indemnification Claim	Voluntarily Dismissed by Plaintiff
Bayou Lafourche Diversion/Clearing/ Dredging Project	23 rd Judicial District Court, Parish of Ascension, State of Louisiana, Case No. 106385	09/06/2012	*Mistretta, Bernard	Bayou Lafourche Fresh Water District; Louisiana Coastal Protection and Restoration Authority; CH2M HILL, Inc.; F. Miller Construction, LLC	Alleged negligence	Discovery Phase
Bayou Lafourche Diversion/Clearing/ Dredging Project	23 rd Judicial District Court, Parish of Ascension, State of Louisiana, Case No. 33837	09/06/2012	*Aucoin, Carroll and Tonie; *Aucoin Homestead, LLC	Bayou Lafourche Fresh Water District; Louisiana Coastal Protection and Restoration Authority; CH2M HILL, Inc.; F. Miller Construction, LLC	Alleged negligence	Discovery Phase
City of Zanesville (Kokosing)	Court of Common Pleas- Franklin County, Ohio / Case No. 12-CVH-1459	10/10/2012	Kokosing Construction / City of Zanesvill	CH2M Hill Inc	Alleged negligence, fraud, and breach of contract	Settled

CH2M HILL, INC.

LITIGATION STATEMENT
(November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
Hardscrabble Wind Power Project	State of New York-Supreme Court of Albany County; Index No.5919-12	11/08/2012	60 Residents near project locations	Iberdrola USA, INC.(including multiple Iberdrola entities) PPM Energy, Inc.; Atlantic Wind USA, LLC; (including multiple Atlantic Wind entities); Hardscrabble Wind Power, LLC; CH2M HILL, INC., Mark Bastasch, PE,	loss of use and enjoyment of property, diminished property values, various forms of trespass, nuisance	Discovery Phase
FEMA- LP Gas FCA (Warder)	USDC (Eastern District of Louisiana) Civil action 09-4191	12/26/2012	US ex rel. Thomas Warder, John Doe and Jane Roe	The Shaw Group, Inc., Flour Enterprises, Inc., and CH2M Hill, Inc.	False Claim Act allegations relating to FEMA trailer installation	Dismissed against CH2M
Astaldi (Lauderdale)	11 th Judicial Circuit Court, Miami-Dade County, FL, Case No: 12-49483 CA 01 (22)	12/31/2012	Marcum LLP	CH2M HILL, Inc.	Breach of contract	Settled
FEMA- LP Gas FCA (McLain)	USDC (Eastern District of Louisiana) Civil action 06-11229	01/30/2013	US ex rel. Terry McLain and J. Len Hodges, John Doe and Jane Roe	The Shaw Group, Inc., Flour Enterprises, Inc., and CH2M Hill, Inc.	False Claim Act allegations relating to FEMA trailer installation	Dismissed against CH2M- Under Appeal

CH2M HILL, INC.

LITIGATION STATEMENT
(November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
I-94 North South Final Design	Circuit Court, Milwaukee County, State of Wisconsin/Case No. 12CV5315	02/08/2013	*Rodriguez, Enrique	Wisconsin DOT; Milwaukee Transportation Partners, LLC; HNTB Corp.; CH2M HILL, Inc.; Edgerton Contractors, Inc.; DK Contractors, Inc.; Dethardt Trucking, Inc.; Ricci Welch, Inc.; Arbor Green, Inc.; Wisconsin Constructors, LLC; Gestra Engineering, Inc.	Alleged Negligence, Continuing Nuisance, Injunctive Relief	Settled/ Dismissed
Dow WVO 2012 Fencing Activities	Circuit Court, Kanawha County, West Virginia/Case No: 13-c-1002	06/03/2013	Bare's Fence Company, LLC	Fox Engineering, PLLC; Jennifer and John Casey; CH2M Hill Inc; CH2M Hill Constructors, Inc; CH2M Hill Engineers, Inc	Alleged breach of contract; conspiracy; seeking declaratory judgment	Voluntarily dismissed by plaintiff
ASR 3 Well Services	216 th Judicial District Court, Kerr County, Texas, Case No. 12276A	06/27/2013	City of Kerrville, TX	C&C Groundwater Services LLC; Old Republic Insurance Co.; CH2M HILL, Inc.	Alleged breach of contract, negligence, negligent misrepresentation	Settled

CH2M HILL, INC.

LITIGATION STATEMENT (November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
SR 68 Design Build	District Court, Clark County, Nevada, Case No. A-13-684698-C	07/05/2013	*Sheler, Richard & Sylvia	Parsons Transportation Group, Inc.; CH2M HILL, Inc.; Kiewit Western Company	Alleged negligence, loss of consortium	Motion to Dismiss Granted
Tehachapi Renewable Transmission Project ("Tehachapi")	Superior Court of California- Los Angeles County Case No: BC514574	07/10/2013	Erik & Vanessa Goughnour	Southern California Edison Co; CH2M Hill Inc; Burns & McDonnell Engineering Co, Inc; Aspen Enviornmental Group; Quanta Services Inc; Does 1- 100	Personal Injury claim	Dismissed against CH2M
Southside Airfield CM (LAX)	Superior Court of California, Los Angeles County, Case No. YC069354	10/10/2013	City of Los Angeles	Tutor-Saliba Corp./O&G Industries, Inc. JV; R&L Brosamer; HNTB Corp.; CH2M HILL, Inc.	Alleged negligent construction, breach of contract, professional negligence, declaratory relief/indemnity	Discovery phase
Harbor Village Marina (Hammock Beach Resort)	Flager County Circuit Court, Florida, Case No. 2013CA000655	12/11/2013	*Harbor Village Marina Property Owner's Association	Gee & Jenson, r/k/a CH2M HILL, Inc.	Negligence	Settled
* Shah v. Town of Gilbert, AZ & CH2M Hill (Inc & CHE)	US District Court- Arizona	01/29/2014	Dipti Shah, individual	Town of Gilbert, AZ; Nicole Lance, individual; CH2M Hill Inc (CHE)	wrongful termination, tortious interference with contract, civil rights	Settled

CH2M HILL, INC.

LITIGATION STATEMENT (November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
					right violations and emotional distress	
Astoria- USPOWERGEN-RE Services	Supreme Court, Kings County, New York, Case No: 2618/2014	03/17/2014	*William Turner	CH2M HILL, Inc.; MVN Associates; Miller Environmental Group; CMI Subsurface Investigations, Inc.; O'Lery Construction; Astoria Generating Company LP	Personal Injury; Negligence	Discovery Phase
Russell Kelly and Paula Kelly vs. City/Parish of Baton Rouge, et al. (including CH2M HILL, Inc.)	19 th Judicial District Court, Parich of East Baton, LA, Case No: C632762	09/4/2014	*Russell and Paula Kelly	City of Baton Rouge and Parish of East Baton Rouge, CH2M HILL, Inc.	Professional Negligence; Property Damage; Inverse Condemnatoin	Discovery Phase
RaCON, Inc. vs. City/Parish of Baton Rouge, et al. (including CH2M HILL, Inc.)	19 th Judicial District Court, Parich of East Baton, LA, Case No: C635107	12/4/2014	*RaCON, Inc.	City of Baton Rouge and Parish of East Baton Rouge, CH2M HILL, Inc.	Professional Negligence	Discovery Phase
Brittni Clark, Individually and on Behalf of Her Minor Child, Jassiah Clark, Pltf. vs. City of Baton Rouge, et al. including CH2M, Hill, Inc., Dfts.	C636172	1/13/2015	*Brittni Clark	CH2M HILL, Inc.	Professional Negligence	Settled and dismissed against CH2M with prejudice.

CH2M HILL, INC.

LITIGATION STATEMENT

(November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
Brightwater Wastewater Treatment Plant (King County)	Superior Court, King County, Washington, Case No. 15-2-03541- 0 SEA	03/19/2015	King County	Lexington Insurance Co.; Allied World Assurance Co.; CH2M HILL, Inc.	Professional Negligence; Breach of Contract, Insurance Bad Faith; Negligent Claims Handling	Settled
Leo Honeycutt, et al. v. City of Baton Rouge/Parish of East Baton Rouge and CH2M HILL, INC., et al.	19th Judicial District Parish of Louisiana; Case No. 64001	06/11/2015	Leo Honeycutt, et al.	CH2M HILL, INC.	Professional Negligence	Discovery Phase
Kyle Zeringue, et al. v. City of Baton Rouge/Parish of East Baton Rouge and CH2M HILL, INC., et al.	19th Judicial District Parish of Louisiana; Case No. 640556	07/02/2015	Kyle Zeringue, et al.	CH2M HILL, INC.	Professional Negligence	Discovery Phase
8012-CTO-WE6A Site Studies	USDC District of Connecticut, Case No. 3:16-CV-00890-JCH	06/09/2016	Directional Technologies, Inc.	CH2M HILL, Inc.	Breach of Contract	Discovery Phase
Water and Sewer Authority of Cabarrus County, North Carolina (WSACC)	Cabarrus County Superior Court of North Carolina (Case No. 16-cvs-144); USDC - Middle District North Carolina (Winston-Salem)- no case number assigned yet	07/01/2016	Water and Sewer Authority of Cabarrus County, North Carolina	CH2M Hill Inc. and RenTech Boiler Systems	Negligence; Breach of Contract	Complaint served- removal action to federal court ongoing

CH2M HILL, INC.

LITIGATION STATEMENT
(November 2011 - Current)

Project Name	Court/Case No.	Date Filed/ Served	Plaintiff	Defendant	Description/ Causes of Action	Status
Eastman Chemical Texas City Marine Terminal Facilities	Galveston County District Court, Texas; Case No. 16-CV-1186	10/13/2016	Eastman Chemical Texas City, Inc.	Goldston Engineering, Inc.; CH2M HILL, Inc.; CH2M HILL Companies Ltd.; Jerome F. Thibeaux	Negligence; Breach of Contract and Express Warranty	Complaint served

* - Indicates a contractor, subcontractor, individual, or other third party with whom CH2M HILL, Inc. had no contractual relationship.

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

Form 10-K

(MARK ONE)

☒

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
FOR THE FISCAL YEAR ENDED DECEMBER 30, 2016

OR

☐

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
FOR THE TRANSITION PERIOD FROM TO

Commission File Number 000-27261

CH2M HILL Companies, Ltd.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

9191 South Jamaica Street,
Englewood, CO

(Address of principal executive offices)

90112-5946
(Zip Code)

(303) 771-0900

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act: None

Securities registered pursuant to Section 12(g) of the Act:
Common Stock, par value \$0.01 per share

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes ☐ No ☒

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by checkmark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☒ No ☐

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. ☒

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☐

Accelerated filer ☐

Non-accelerated filer ☒
(Do not check if a smaller
reporting company)

Smaller reporting company ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

The aggregate value of common stock held by non-affiliates computed by reference to the price as of June 24, 2016 was \$1,547,956,264.

As of March 3, 2017, there were 24,783,086 shares of the registrant's common stock outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Information required by Items 10, 11, 12, 13 and 14 of Part III of this Form 10-K are incorporated by reference from the CH2M definitive proxy statement for its 2017 Annual Meeting of Stockholders to be held on June 5, 2017.

CH2M HILL COMPANIES, LTD. AND SUBSIDIARIES

ANNUAL REPORT ON FORM 10-K

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Cautionary Note Regarding Forward Looking Statements

This Form 10-K contains various "forward looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward- looking statements represent the Company's expectations and beliefs concerning future events, based on information available to the Company on the date of the filing of this Form 10-K, and are subject to various risks and uncertainties. Such forward looking statements are and will be subject to many risks and uncertainties relating to our operations and business environment that may cause actual results to differ materially from any future results expressed or implied in such forward looking statements. Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements. Words such as "believes," "anticipates," "expects," "will," "plans" and similar expressions are intended to identify forward looking statements. Additionally, forward looking statements include statements that do not relate solely to historical facts, such as statements which identify uncertainties or trends, discuss the possible future effects of current known trends or uncertainties, or which indicate that the future effects of known trends or uncertainties cannot be predicted, guaranteed or assured. We undertake no obligation to publicly update or revise any forward looking statements, whether as a result of new information, future events, changed circumstances or otherwise, except as required by applicable law. Factors that could cause actual results to differ materially from those referenced in the forward-looking statements are listed in Item 1A, Risk Factors.

PART I

Item 1. *Business*

Description of the Business

CH2M HILL Companies, Ltd. and subsidiaries ("We", "Our", "CH2M" or the "Company") is a large employee-controlled professional engineering services firm, founded in 1946, providing engineering, construction, consulting, design, design-build, procurement, engineering-procurement-construction ("EPC"), operations and maintenance, program management and technical services to United States ("U.S.") federal, state, municipal and local government agencies, national governments, as well as private industry and utilities, around the world. A substantial portion of our professional fees are derived from projects that are funded directly or indirectly by government entities. We have approximately 20,000 employees worldwide inclusive of craft and hourly employees as well as employees in our consolidated joint ventures.

Our strategy is to deliver valued solutions to our chosen clients in selective geographies that align to our core service capabilities. We differentiate through client centricity, our focused approach to developing and delivering innovative solutions, and the values and culture of our firm that are embedded in how we serve our clients and communities. Since our founding in 1946, CH2M has grown through organic growth which has been augmented with acquisitions that expand our portfolio of services and geographic reach to further enhance our value proposition to our clients. We believe this strategy results in deep long-term client relationships, rewarding growth opportunities for our employees and profitable growth for our stockholders long-term. Below is a discussion of our significant developments and key acquisitions occurring over the past five years.

Preferred Stock Issuance

On June 24, 2015, the Company sold and issued an aggregate of 3,214,400 shares of Series A Preferred Stock for an aggregate purchase price of \$200.0 million in a private placement to a subsidiary owned by investment funds affiliated with Apollo Global Management, LLC (together with its subsidiaries, "Apollo"). The sale occurred in connection with the initial closing pursuant to the Subscription Agreement entered into by the Company and Apollo on May 27, 2015 ("Subscription Agreement"). On April 11, 2016, the Company sold and issued an additional 1,607,200 shares of Series A Preferred Stock for an aggregate purchase price of approximately \$100.0 million in a second closing to Apollo pursuant to the conditions of the Subscription Agreement.

Restructuring

During the third quarter of 2016, the Company began a process to review the structure and resources within its business segments and formulate a restructuring plan to more fully align global operations with the Company's client-centric strategy, including a simplified organization structure and streamlined delivery model to achieve higher levels of profitable growth ("2016 Restructuring Plan"). The restructuring activities include such items as workforce reductions and facilities consolidations. We expect the 2016 Restructuring Plan to be completed in the first half of 2017.

In September 2014, the Company commenced certain restructuring activities in order to achieve important business objectives, including reducing overhead costs, improving efficiency, and reducing risk ("2014 Restructuring Plan"). These restructuring activities, which continued into 2015, included such items as a voluntary retirement program, workforce reductions, facilities consolidations and closures, and evaluation of certain lines of business. The restructuring activities under the 2014 Restructuring Plan were substantially complete as of December 25, 2015.

Halcrow Pension Scheme Restructuring

On October 4, 2016, Halcrow Group Limited ("HGL"), a subsidiary of CH2M, effected a transaction to restructure the benefits provided to members of the Halcrow Pension Scheme ("HPS"), a defined benefit plan sponsored by HGL, by providing each member with the option to transfer his or her benefits in the HPS to a new pension scheme, which is also sponsored by HGL ("HPS2"). Alternatively, members had the option to remain in the HPS which will enter the Pension Protection Fund ("PPF") under a regulated apportionment arrangement. The new scheme, HPS2, provides benefits that are better than the compensation that would otherwise be paid by the PPF if a member chose to join the PPF rather than the HPS2. The PPF was created by the United Kingdom Pensions Act 2004 to provide compensation to members of eligible defined benefit pension schemes when an employer of the scheme can no longer support the pension scheme. A member that transferred to the HPS2 will receive substantially similar benefits to those

in the HPS, except that annual increases and revaluation of benefits are reduced to statutory levels. A pension scheme member of the HPS that elected to transfer to the new scheme also received a one-time uplift to benefits of either 1.0% or 2.5%. The Pension Regulator, which is the United Kingdom's executive body that regulates work-based pension schemes, and the PPF provided necessary regulatory approvals for the transaction to restructure the HPS benefits.

As a result of the transaction described above, HGL ceased to have any further obligations to the HPS on October 4, 2016. All members who consented to transfer to HPS2 were transferred on October 5, 2016. Members who agreed to transfer to the new scheme account for 96.6% of the HPS' liabilities and a broadly equivalent proportion of the HPS' assets have transferred to the new scheme, as well as 20% of HGL's equity issued as part of the transaction. As a result of the restructured benefits for those members transferring to the HPS2, the projected benefit obligation was reduced by \$362.3 million. Those members who remained in the HPS began the process of transferring to the PPF during the fourth quarter of 2016 along with the assets that remain in the HPS, as well as 5% of HGL's equity issued as part of the transaction, resulting in a settlement of \$28.4 million and an actuarial gain of \$16.2 million within the projected benefit obligation. We did not incur a gain or loss on settlement as a result of the transaction as the settlement cost related to the members who remained in HPS was less than the service and interest cost components of net periodic pension expense for 2016.

Additionally, in connection with the transaction, CH2M issued a £50.0 million, approximately \$65.0 million, parent company guarantee to support HPS2 and funded £80.0 million, approximately \$104.0 million, to be allocated between HPS2 and the PPF based on the proportion of the HPS' members that transferred to HPS2.

Acquisitions

On April 4, 2014, we acquired certain assets and liabilities of TERA Environmental Consultants ("TERA"). TERA was an employee-owned environmental consulting firm headquartered in Canada specializing in environmental assessment, planning, siting, permitting, licensing, and related services for the pipeline, electrical transmission, and oil and gas industries. Additionally, on September 6, 2016, we acquired a controlling interest in one of our joint ventures which primarily operates within our water business and urban environments and sports business.

Our Clients, Key Segments, and Geographic Areas

In the first quarter of 2016, we implemented certain organizational changes, including the reorganization of our internal reporting structure to better facilitate our strategy for growth and operational efficiency. In connection with this refinement, we discontinued our former Industrial and Urban Environments ("IUE") business group as a standalone unit, and we combined its industrial and advanced technology business with our Oil, Gas and Chemicals business group to form the Energy and Industrial business group. Additionally, our urban environments and sports business which was formerly within IUE was combined with our Water business group. Our Power EPC business continues to be monitored as a separate operating segment as we exit the fixed-price Power EPC business. As a result of this reorganization, we identified our four business groups, which include Energy and Industrial, Environment and Nuclear, Transportation, and Water, as well as our Power EPC business as reportable operating segments. The following discussion describes our business in the context of our reportable segments, and any prior year amounts have been revised to conform to the current year presentation.

During the third quarter of 2016, the Company began the process of assessing and modifying its current operating structure to more fully align global operations with the Company's client-centric strategy and to streamline its delivery model to achieve higher levels of profitable growth. The transformation is currently in process and is expected to be fully communicated and operational in the first quarter of 2017. We expect to revise our segments in 2017 as a result of the modified operating structure.

Clients

We provide services to a broad range of U.S. domestic and international clients, including federal, state, municipal and local government agencies, national governments, as well as private industry and utilities. We perform services as the prime contractor, a subcontractor, or through joint ventures or partnership agreements with other service providers. The demand for our services generally comes from capital spending decisions made by our clients.

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The following table summarizes our primary client types served and revenue earned by each of our segments during 2016:

Segments	% of 2016 Revenue	Client Type
Energy and Industrial	16.4 %	• National and private sector oil and gas companies • Chemical companies • Private sector industries • Universities
Environment and Nuclear	42.3 %	• U.S. federal and foreign governments • Local and municipal governments and agencies • Private sector industries
Transportation	17.8 %	• U.S. federal and foreign governments • State and provincial governments and agencies • Local and municipal governments and agencies • Private sector industries
Water	22.7 %	• U.S. federal and foreign governments • State and provincial governments and agencies • Local and municipal governments and agencies • Private sector industries
Power EPC	0.8 %	• Private sector industries • Independent power producers

The following table provides a summary of representative clients:

Public Sector Clients		Private Sector Clients
• U.S. Department of Energy • U.S. Department of Defense • U.S. Department of the Interior • U.S. Air Force • U.S. Navy • U.S. Army • U.S. Army Corps of Engineers • U.S. Federal Emergency Management Agency • U.S. Agency for International Development • U.S. Environmental Protection Agency • U.S. Department of Transportation • U.S. National Aeronautics and Space Administration • Canadian Nuclear Laboratories	• U.K. Environment Agency • U.K. Department for Transport • U.K. Nuclear Decommissioning Authority • U.K. Ministry of Defence • Panama Canal Authority • Qatar Public Works Authority (ASHGHAL) • Qatar 2022 Supreme Committee • Highways England • Transport for London • Transport Scotland • State and provincial governments and agencies • Local and municipal governments and agencies	• Major oil and gas companies, refiners and pipeline operators • Utilities • Chemicals companies • Metals and mining companies • Advanced technology manufacturers • Pharmaceutical and biotechnology companies • Aerospace companies • General manufacturing companies • Renewable energy companies • Universities • Private seaports and airports

In 2016, across all segments, we derived approximately 21% of our total revenue from contracts with the U.S. federal government and the agencies regulated by the U.S. federal government. Additionally, we derived approximately 12% of our total revenue from our Environment and Nuclear consolidated joint venture consulting contract with Canadian Nuclear Laboratories.

Key Segments

The following is a description of each of our key segments, which consist of our four business groups and our Power EPC business, and the services we provide. Operating information by segment is set forth in Note 17 - *Segment Information* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K.

Energy and Industrial

Our Energy and Industrial business group is comprised of our oil and gas business, our chemical business, and our industrial and advanced technology business, which provides the following portfolio of services: consulting, planning, design, engineering, design-build, operations and maintenance, construction management, construction, and program management. Our Energy and Industrial business group performs the majority of its work for major international oil, gas and chemicals companies, national oil companies, private sector manufacturing, and technology industries.

Within our oil and gas business, we serve the upstream, pipelines and terminals, and refining sectors of the oil and gas industry. For the upstream sector, we perform engineering, modular fabrication, erection, construction, and operations and maintenance services for oil and gas fields. We deliver compression and dehydration facilities, drilling and well support services, enhanced oil recovery infrastructure, field development, fleet support, natural gas gathering and processing, conventional oil production, sulfur recovery, acid gas treating, and heavy oil- and steam-assisted gravity drainage facilities. In our pipelines and terminals sector, we focus on infrastructure projects that gather, store, and transport oil, natural gas, refined products, carbon dioxide, and other related hydrocarbons, liquids, and gases. These projects include pipelines, compression, pump stations, metering, tank farms, terminals, and related facilities for midstream (wellhead to central processing) and downstream (cross-country transportation) systems. Within our refining sector, we provide conceptual and preliminary engineering, front-end and detail design, procurement, construction, and operations and maintenance services. Our refining experience includes technology evaluation and feasibility studies; design and construction of refinery units, terminals, pipelines, pump stations, and cogeneration facilities; design, fabrication, and installation of modules and pipe racks; turnarounds and revamps; effluent treatment; refinery conversion to heavy crude oil processing; and process safety management. Our oil and gas business serves clients in the U.S., Canada, Mexico, South America, the Middle East, and Russia.

Within our chemicals business, we serve various sectors of the industry, including petrochemicals and derivatives, inorganics, specialties, and agricultural chemicals. We have substantial experience in polysilicon, chemicals from alternative feedstock, bioprocess, alkalis and chlorine, pigments and coating, monomers and polymers, resins and plastics, and synthetic performance fibers. This group also serves the biofuels market where we specialize in advanced fuel sources for biofuels development in the United States, Canada, and Latin America. Our chemicals business serves clients in North and South America, and the Middle East.

In our industrial and advanced technology business, we provide program management, consulting, planning, design, and construction management services to clients in the following manufacturing industries: semiconductor, wafers, nanotechnology, photo voltaic, data centers, flat panel displays, automotive, aerospace and aviation, food and beverage, building materials, metals and consumer products. Our clients typically require integrated design and construction services for complex manufacturing systems, including clean rooms, ultrapure water and wastewater systems, chemical and gas systems and production tools. We also provide specialized consulting services to optimize the operating efficiency and return on investment for complex manufacturing facilities. We leverage our strategic business planning capabilities to help clients structure and plan their high-volume manufacturing projects, and to provide follow-on design and construction services. Our industrial and advanced technology business serves clients in the U.S., Asia, Mexico, South America, Europe, and the Middle East.

Environment and Nuclear

The Environment and Nuclear business group is comprised of three end-market businesses: environmental services, government facilities design and operations services, and nuclear engineering and consulting services. Common to all three end-market businesses are full service decontamination, remediation, waste management, design-build delivery, operations and maintenance management, construction management and program management capabilities. Our Environment and Nuclear business group performs the majority of CH2M's projects with the U.S. federal government and agencies regulated by the U.S. federal government as well as executes a consolidated joint venture consulting contract with Canadian Nuclear Laboratories.

Our environmental services business is based upon advanced technology focused on the global sustainability principles of protecting human health, preserving the environment, and restoring impacted natural resources. We achieve this mission by offering services through various global practices which include the following: site remediation and revitalization, sustainability consulting, geospatial and environmental data management, threat reduction management, munitions response, environmental health and safety compliance, planning and permitting, integrated waste solutions, and environmental engineering. Clients include a broad spectrum of U.S. and state government agencies and departments, international public and government clients, and private sector clients. A key differentiator for our services remains our innovation and complex problem solving capacities found within and among these global practices. Additionally, a differentiator with both our government and multinational clients is local project delivery with a global footprint. We are able to effectively and consistently deploy our systems and processes (especially safety, environmental compliance, and project management) throughout the world with minimal deviation, while addressing the unique local stakeholder and regulatory needs of each client and project.

Our government facilities design and operations services business has historically planned, designed, constructed, operated and maintained various categories of facilities, installations, and infrastructure at all types of government and military locations. We continue to offer contingency and logistics, planning and consulting, energy efficiency consulting, engineering and design, design-build, operations and maintenance, and program management services to U.S. Department of Defense and other U.S. government agencies.

Our nuclear engineering and consulting services business is comprised of three secondary markets: nuclear remediation and decommissioning (liabilities management), nuclear power, and national defense. We specialize in the management of complex nuclear programs and projects around the world. Our experience includes managing and operating nuclear facilities and providing innovative and time-sensitive cleanup and environmental remediation for commercial and government facilities and sites worldwide. We provide program management and program advisory services to national defense and commercial nuclear clients, as well as planning, permitting, and licensing of new nuclear energy generating stations. The U.S. Department of Energy and the U.K. Nuclear Decommissioning Authority are our primary liabilities management clients. However, we have also decommissioned reactors for utilities and research reactors for universities, and we have worked in the commercial nuclear power sector in countries outside the U.S., including the United Arab Emirates.

Transportation

Our Transportation business group provides horizontal and vertical infrastructure development services for the aviation, highway and bridge, ports and maritime, and transit and rail market sectors. Working with public and private clients around the world, our services support urbanization and population growth; the safe and efficient movement of people and goods; serviceability of aging infrastructure; resource extraction; infrastructure resilience to climatic change/dramatic weather events; and signature infrastructure to stimulate regional economic growth. We offer a broad portfolio of services, including procurement and technical advisory, transportation planning, environmental studies and documentation, design engineering, design for design-build, project/program management, construction management, and operations and asset management services. Our Transportation business group performs the majority of our projects for the U.S. federal and international governments as well as local and municipal transport agencies.

In the aviation sector, we deliver airside and landside services to commercial, general aviation and military airports. For our municipal, state and national government highway and bridge sector clients, we specialize in motorways, freeways and complex interchanges; toll roads/HOT/HOV lanes; highway structures and footbridges; signature bridges and major crossings; highway tunnels; and bike and pedestrian facilities. In the ports and maritime sector, we serve port operators, port authorities, government and private sector clients developing containerized and cargo terminals; general cargo and break-bulk terminals; petrochemical, energy and mining marine facilities; government and military facilities; intermodal facilities; ferry terminals; urban waterfronts; and cruise line terminals. Our transit and rail services for municipal agencies, national governments and freight operators encompasses high-speed rail; metros and urban transit; commuter rail; light rail, trolleys and streetcars; bus rapid transit; freight rail; and intermodal facilities. Our Transportation business group delivers projects throughout Asia, Australia, Europe, India, Latin America, South America, the Middle East, and North America.

Water

Our Water business group is comprised of our water business and our urban environments and sports business. Our Water business group performs the majority of our projects with U.S. state and local and international public and government clients, and also supports clients in the utility, industrial, government, energy, agricultural, and sports sectors.

Our water business provides integrated, sustainable solutions serving the wastewater, drinking water, industrial water, conveyance and storage, water resources and ecosystem management, and intelligent water solutions industries. Our services include consulting, design and engineering, program management, design build, and operations and maintenance. The integration of our industrial water and operations and management capabilities positions us to serve our clients across all markets and delivery platforms in the geographies in which we focus. Our broad portfolio of water solutions help clients address the complex challenges created by extreme climate events, population growth, aging infrastructure, water supply uncertainty, regulatory changes, and increasing demand. We also work with clients to identify solutions for water and energy conservation, and to reevaluate processes to achieve cost savings and reduce environmental impacts. We also focus our capabilities on market drivers such as drought and water scarcity, aging and decaying infrastructure, global climate resiliency, energy water needs and regulatory requirements. Our Water business group delivers projects throughout Asia, Australia, Europe, India, Latin America, South America, the Middle East, and North America.

Our urban environments and sports business delivers large, complex urban projects and programs around the world with focus on the following services: master planning and consulting, economic development planning, project development, land development, program management and community operations. Our urban environments and sports business serves clients in the U.S., South America, Asia, the Middle East, and Europe.

Power EPC

In our Power EPC segment, we have historically designed and built power generation facilities that produced energy from natural gas, coal, solar, wind, biomass, and geothermal sources. Our portfolio previously included combined-cycle, simple-cycle, coal/integrated gasification, clean air, alternative/waste fuels, transmission and cogeneration projects. We also provided services to repower, upgrade, and modify existing plants to improve performance, reliability and achieve clean air standards.

During the first quarter of 2014, we shifted our focus away from pursuing and contracting fixed-price power EPC projects, and later in 2014, in connection with our restructuring activities, we elected to exit the fixed-price power EPC business. We are in the process of closing out our remaining contracted fixed-price power EPC projects. The Company continues to pursue and deliver power-related consulting projects under our Energy and Industrial, Water and Environment and Nuclear business groups.

Geographic Areas

We provide services to clients located in numerous countries across the globe. Internally, we divide our operations into six geographic regions: Asia Pacific; Canada; Europe; Central and South America; Middle East, North Africa, and India; and the United States. Although the majority of our consolidated revenue is generated from our domestic operations, we provide services in numerous countries, including Canada which accounted for 17% of our total consolidated revenue in 2016 and was primarily related to operations within our Environment and Nuclear segment. The United Kingdom accounted for 10%, 11% and 10% of our total consolidated revenue in 2016, 2015 and 2014, respectively. Total U.S. and international revenue for the years ended were as follows:

(\$ in thousands)	December 30, 2016	December 25, 2015	December 31, 2014
U.S.	\$ 3,304,752	\$ 3,589,928	\$ 3,806,935
International	1,931,192	1,771,577	1,606,534
Total	\$ 5,235,944	\$ 5,361,505	\$ 5,413,469

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The fixed assets to support our business operations and our clients are located both domestically and internationally. Total U.S. and international net property, plant and equipment for the years ended were as follows:

(\$ in thousands)	December 30, 2016	December 25, 2015	December 31, 2014
U.S.	\$ 225,929	\$ 179,436	\$ 215,689
International	22,503	24,230	42,471
Total	\$ 248,432	\$ 203,666	\$ 258,160

Competition

The market for design, consulting, engineering, construction, design-build, EPC, operations and maintenance, and program management services is highly competitive, fragmented, consolidating and to some extent becoming commoditized. We compete primarily with large multinational firms and also with smaller firms on contracts within the private industry, national, and state and local government sectors. In addition, some of our clients, including government agencies, occasionally utilize their own internal resources to perform design, engineering and construction services where we might have been the service provider.

Numerous mergers and acquisitions in the engineering services industry have resulted in a group of large firms that offer a full complement of single-source services including studies, designs, construction, design-build, EPC, operation and maintenance and in some instances, facility ownership. Included in the current trend is movement towards larger program and contract awards and longer-term contract periods for a full suite of services, (e.g., 5 to 20 year full-service contracts). These larger, longer, more comprehensive contracts require substantially greater financial and human capital than in the past. We believe we can compete effectively for these full service programs.

To our knowledge, no single company or group of companies currently dominates any significant portion of the engineering services markets. As such, the industry is highly fragmented. Competition in the engineering services industry is based on quality of performance, reputation, expertise, price, technology, customer relationships, range of service offerings and domestic and international geographic deployment capabilities.

Backlog

Backlog represents the total dollar amount of revenue we expect to earn as a result of performing work under contracts that have been awarded. Our backlog also reflects the future activities related to consolidated joint ventures. Many of our contracts require us to provide services that span over a number of fiscal years. U.S. government agencies operate under annual fiscal appropriations by the U.S. Congress and fund various federal contracts only on an incremental basis. The same is true of many state, local and foreign contracts. Our policy is to include in backlog the full contract award, whether funded or unfunded. Unexercised options under any contract are not included in our backlog. In accordance with industry practice, substantially all of our contracts are subject to cancellation, termination, or suspension at the discretion of the client.

The following table provides backlog revenue by segment for the years ended December 30, 2016 and December 25, 2015:

(\$ in millions)	2016	2015
Energy and Industrial	\$ 558	\$ 819
Environment and Nuclear	4,528	5,844
Transportation	888	913
Water	2,198	2,562
Power EPC	135	181
Total backlog revenue	\$ 8,307	\$ 10,319

The decrease in our backlog revenue as of December 30, 2016 as compared to December 25, 2015 was primarily related to the realization of revenue in 2016 as operations on a large nuclear project in a consolidated Canadian joint venture began late in 2015. Additionally, several large design-build-operate water projects approached completion in 2016. The majority of our current backlog will be performed in 2017 and 2018.

EXECUTIVE OFFICERS OF CH2M

The executive officers of CH2M are listed below, along with their ages, tenure as officer and business background for at least the last five years.

Ryan L. Beckman. Age 47. Mr. Beckman is Vice President, Chief Accounting Officer and Controller of CH2M since March 1, 2015. He previously served as Assistant Controller from May 2004 to February 2015. Prior to joining CH2M, Mr. Beckman served in various auditing positions with Ernst & Young LLP from September 1991 to May 2004.

Lisa Glatch. Age 54. Ms. Glatch is the Executive Vice President of Growth and Sales of CH2M since November 2016 and was the Executive Vice President of Client Solutions and Sales of CH2M from April 2014 to November 2016. She previously served as Senior Vice President of Global Sales and Vice President of Denver Operations Upstream Oil and Gas Region for Jacobs Engineering Group Inc. (engineering company) from April 2012 through March 2014. From 1986 to 2010, Ms. Glatch was with Fluor Corporation (engineering company) serving in various capacities from 1986 through 2010 including the Senior Vice President of Energy and Chemicals from 2009 to 2010. Ms. Glatch is a member of the Board of Directors of CH2M.

Shelette M. Gustafson. Age 52. Ms. Gustafson is the Chief Human Resources Officer of CH2M since January 2016. She joined CH2M in 2007 as a Human Resources Director and served as the Vice President, Global Human Resources Delivery from 2011 to 2015. Ms. Gustafson came to CH2M from McDATA Corporation (technology company) where she was Director Human Resources from 2002 to 2007.

Jacqueline C. Hinman. Age 55. Ms. Hinman is the Chairman of the Board of Directors of CH2M since September 2014 and has been the President and Chief Executive Officer of CH2M since January 2014. She previously served as the Senior Vice President and President of the International Division of CH2M from 2012 to 2014, the President of the Facilities and Infrastructure Division from 2011 until 2012, and the Vice President, Major Programs and Executive Director for Mergers and Acquisitions between 2009 and 2010.

Gary L. McArthur. Age 56. Mr. McArthur is the Executive Vice President and Chief Financial Officer of CH2M since August 2014. Prior to joining CH2M, he served as the Chief Financial Officer of Harris Corporation (international communications and information technology company) since 2006, and in various other financial positions since 1997.

Thomas M. McCoy. Age 66. Mr. McCoy is the Executive Vice President, General Counsel and Corporate Secretary of CH2M since September 2014. Prior to joining CH2M, he was a partner in the law firm of O'Melveny & Myers since 2011 and from 1977 to 1995. From 1995 through 2010, Mr. McCoy served first as the Senior Vice President, General Counsel and Secretary of Advance Micro Devices, Inc. (semiconductor company) and then as the Executive Vice President, Chief Legal and Administrative Officer of Advanced Micro Devices, Inc.

Gregory T. McIntyre. Age 58. Mr. McIntyre is the President of the State & Local Governments Client Sector of CH2M since November 2016 and was the President of the Global Business Groups from January 1, 2015 to November 2016. He previously was the Corporate Vice President and Global Market President, Water Business Group in 2014 and 2015, concurrently with the President, Global Business Groups role. He previously served as the Managing Director of CH2M's International Infrastructure business from 2012 to 2014. Prior to that role, Mr. McIntyre served as the Managing Director of Halcrow (engineering company), acquired by CH2M in 2011, and a member of its board of directors, and oversaw the integration of the Halcrow operations into CH2M. He was the Deputy Program Manager and CH2M Managing Director for CLM Delivery Partner, the delivery partner to the Olympic Delivery Authority for the London 2012 Olympics and Paralympic Games, between 2010 and 2011. Mr. McIntyre is a member of the Board of Directors of CH2M.

Carlo Orsenigo. Age 56. Mr. Orsenigo is the Executive Vice President for Global Project Services of CH2M since November 2016 and was the Regional Managing Director for Latin America from January 2016 to November 2016. Prior to that, he was the Regional Energy Manager in Latin America from December 2012 to January 2016 and the Mexico Country Manager beginning in January 2011. Mr. Orsenigo joined CH2M in August 2010.

Terry Ruhl. Age 50. Mr. Ruhl is the President of the National Governments Client Sector of CH2M since November 2016 and was the President of the Transportation Business Group from July 2012 to November 2016. Prior to that, he served as the Senior Vice President of the Transportation Business Group and Director of Consulting and International Operations from June 2009 to July 2012, the Global Market Sector Director from June 2008 to June 2009 and the Aviation Market Sector Director from August 2006 to June

2008. Mr. Ruhl's tenure with CH2M spans twenty-four years. Mr. Ruhl is a member of the Board of Directors of CH2M.

Matthew Sutton. Age 57. Mr. Sutton is the President of the Private Client Sector of CH2M since November 2016 and was the President of the Environment and Nuclear Business Group from March 2016 to November 2016. He previously served as President of Aecom's (engineering company) environmental business from 2011 to 2016 and as Executive Vice President and Director of Operations of Arcadis (engineering company) from 2008 to 2011.

There are no family relationships among the executive officers or directors of CH2M. The executive officers are elected by the Board of Directors each year and hold office until the organizational meeting of the Board in the next subsequent year and until his or her successor is chosen or until his or her earlier death, resignation or removal.

Available Information

For information regarding our company, including free copies of filings with the Securities and Exchange Commission ("SEC"), please visit our web site at ir.ch2m.com. The SEC filings, which include our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K are made available as soon as practicable after they are filed with the SEC. The information on our website is not, and shall not be deemed to be, a part hereof or incorporated into this or any of our other filings with the SEC.

Item 1A. Risk Factors

You should carefully consider the following factors and other information contained in this Annual Report on Form 10-K before deciding to invest in our common stock.

Risks Related to Our Business

The restatement of our previously issued financial statements may lead to additional expenses, risks and uncertainties and could have a material adverse effect on our business, results of operation and financial condition.

As discussed in an amendment to our Form 10-K for the fiscal year ended December 25, 2015 as filed with the Securities Exchange Commission on January 19, 2017, we previously restated our unaudited consolidated financial statements as of and for the quarterly periods ended June 26, 2015, September 25, 2015 and December 25, 2015. As a result of these restatements, we have become subject to a number of additional costs and risks, including unanticipated costs for accounting and legal fees in connection with or related to the restatement and the remediation of our ineffective disclosure controls and procedures and material weakness in internal control over financial reporting. In addition, the attention of our management team has been diverted by these efforts. We could be subject to additional stockholder, governmental, or other actions in connection with the restatement or other matters. Any such proceedings will, regardless of the outcome, consume management's time and attention and may result in additional legal, accounting, insurance and other costs. If we do not prevail in any such proceedings, we could be required to pay substantial damages and settlement costs. In addition, the restatement and related matters could impair our reputation or could cause our counterparties to lose confidence in us. Each of these occurrences could have a material adverse effect on our business, results of operations and financial condition.

We have identified a material weakness in our internal control over financial reporting and our disclosure controls and procedures which could result in additional material misstatements in our consolidated financial statements.

Our management is responsible for establishing and maintaining adequate disclosure controls and procedures and internal control over our financial reporting. As disclosed in an amendment to our Form 10-K for the fiscal year ended December 25, 2015, management identified a material weakness in our internal control over financial reporting and determined our disclosure controls and procedures were not effective as of December 25, 2015. A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of our annual or interim consolidated financial statements will not be prevented or detected on a timely basis. As disclosed in Item 9A of this Annual Report on Form 10-K, we determined that this previously identified material weakness continues to affect our internal control over financial reporting and, as a result of such material weakness, our disclosure controls and procedures were not effective as of December 30, 2016.

We have developed a remediation plan to address the material weakness in internal control over financial reporting and

ineffective disclosure controls and procedures. If our remedial measures are not effectively designed or implemented, we may not be able to accurately and timely report our financial results, which could materially and adversely affect our business, results of operations, and financial condition, require us to expend significant resources to correct the weaknesses or deficiencies, harm our reputation, impact our ability to request the issuance of new loan advances under our Third Amendment to our Amended and Restated Credit Agreement ("Amended Credit Agreement") or otherwise cause a decline in investor confidence. As a result, our business could decline or our ability to fund ongoing operations could be adversely affected, which would adversely affect our liquidity and results of operations.

Project losses and other adverse operating results can constrain our cash flow and liquidity, which could reduce our ability to win new business or materially and adversely affect our business and results of operations, and our strategic initiatives may not be successful.

We have experienced project losses and other adverse operating results in recent periods - such as a charge to operations of \$121.3 million, \$93.6 million, and \$38.7 million for the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively, for estimated cost growth on a fixed-price contract to design and construct roadway improvements on an expressway in the southwestern United States and a charge to operations of \$301.5 million and \$280.0 million for the years ended December 30, 2016 and December 31, 2014, respectively, for estimated costs growth identified for our consolidated Australian joint venture project - which has constrained our cash flow and liquidity. If we sustain additional project losses or other adverse operating results in the future, or if cash flow and liquidity continue to be constrained, we may have a reduced ability to win new business, which could materially and adversely affect our business, results of operations, cash flows and financial position.

We may not be able to recover all or a portion of our project losses, and we could be found liable to the client or general contractor, in connection with a fixed-price EPC project that was terminated in early 2017.

Prior to 2017, through a consolidated joint venture partnership with an Australian construction contractor, we were involved in a consortium with a major U.S. power plant equipment supplier engaged in a fixed-price EPC project with a general contractor to engineer, procure, construct and start-up a combined cycle power plant to supply power to a large liquefied natural gas facility in Australia. The joint venture experienced project losses resulting in a charge to operations of \$301.5 million and \$280.0 million for the years ended December 30, 2016 and December 31, 2014, respectively, of which our portion of the loss was \$154.1 million and \$140.0 million, respectively. In 2015, the consortium reached agreement with the client to settle certain claims to recover costs and extend the amount of time allowed to complete interim delivery milestones for the project. During the second quarter of 2016, however, the client advised that it would be unable to meet its obligations in line with the revised program schedule. As a result, the project experienced delays and was expected to incur additional future delays resulting in increases in the total estimated costs to complete. On January 24, 2017, the consortium terminated the fixed-price EPC contract with the general contractor. The consortium expects to file arbitration claims against the general contractor, and anticipates that the general contractor will file claims against the consortium or its members.

We expect the arbitration process to be lengthy and at this time we are unable to predict the timing of resolution or the outcome of disputes. The ultimate outcome of the dispute will depend upon contested issues of fact and law. We cannot currently predict whether we will realize any recoveries from the general contractor or the amount of any recoveries that we may ultimately receive. Moreover, we cannot currently predict whether either or both our consolidated joint venture partnership or the consortium will be held liable to the general contractor or the amount of any such liability should it occur. The timing and amount of any recoveries or liabilities is currently unknown and will be subject to negotiations, arbitration or other formal dispute-resolution processes and could be materially adverse to our results of operations, cash flow and financial condition.

If we are unable to continue to access credit or raise capital on acceptable terms, our business may be adversely affected.

Our primary sources of liquidity are cash flows from operations and borrowings under our Amended Credit Agreement. Our primary uses of cash are working capital, stock repurchases primarily in our internal market, capital expenditures, and acquisitions. Cash flows from operations primarily result from earnings on our operations and changes in our working capital. Earnings from our operations and our working capital requirements can vary significantly from period to period based primarily on the mix of our projects underway and the percentage of project work completed during the period. For example, cash used in operations for the year ended December 30, 2016 was \$245.5 million. While we manage cash requirements for working capital needs, unpredictability in cash collections and payments has required us in the past and may require us in the future to borrow on our Amended Credit Agreement from time to time to meet the needs of our operations.

Our borrowing capacity under the Third Amendment to our Amended Credit Agreement is limited by a maximum consolidated leverage ratio, which is based on a multiple of our adjusted earnings before interest, taxes, depreciation and amortization, and other outstanding obligations of the Company. Moreover, the Certificate of Designation for our Series A Preferred Stock (the "Certificate of Designation") limits our ability to incur additional debt under certain circumstances without the consent of the holders of at least a majority of the then outstanding shares of our Series A Preferred Stock. As of December 30, 2016, the remaining unused borrowing capacity under the Amended Credit Agreement was approximately \$107.4 million. While we believe our borrowing capacity is sufficient to fund our near-term operations and capital requirements, due to liquidity constraints we expect to continue to limit our discretionary cash outlays to repurchase stock offered for sale on our internal market. See Item 1A. Risk Factors – Risks Related to Our Internal Market.

The Amended Credit Agreement and the Certificate of Designation may contain covenants that limit or restrict our operations and require that we comply with certain financial ratios.

The Amended Credit Agreement contains customary affirmative and negative covenants, some of which limit or restrict our operations including our ability to incur additional indebtedness and other obligations, grant liens to secure obligations, make investments, merge or consolidate and dispose of assets, subject to certain customary exceptions. These restrictions could limit our ability to plan for or react to market or economic conditions or meet capital needs or otherwise restrict our activities or business plans, and could adversely affect our ability to finance our operations, acquisitions, investments or strategic alliances or other capital needs or limit our ability to take advantage of business opportunities.

In addition, our Amended Credit Agreement requires that we comply with a minimum consolidated fixed charge coverage ratio, and both our Amended Credit Agreement and the Certificate of Designation require that we comply with a maximum consolidated leverage ratio. Our ability to comply with these ratios depends on our results of operations from time to time, which may be affected by events beyond our control. If we fail to satisfy the requirements of or if we are in default of the Amended Credit Agreement, we would be prohibited from incurring further borrowings under the Amended Credit Agreement unless we were able to secure necessary waivers from the lenders. If the lenders declined to waive a default under the Amended Credit Agreement, our outstanding indebtedness under the Amended Credit Agreement could be accelerated. Further, if our consolidated leverage ratio exceeds certain limits specified in the Certificate of Designation, we may be unable to incur additional indebtedness.

Any of the factors could have a material adverse impact on our business, our results of operations, cash flow and financial condition.

We may be unable to amend our Amended Credit Agreement or maintain or expand our credit capacity, each of which would adversely affect our operations and business.

We use credit facilities to support our working capital and acquisition needs. If we exhaust our borrowing capacity or if we are unable to increase the available borrowing capacity of the Amended Credit Agreement, our ability to fund the working capital and other needs of our existing operations could be constrained and our business and results of operations could be materially adversely affected. In addition, our credit facility reaches maturity in 2019 and there is no guarantee that we will be able to renew our credit facility on favorable terms or at all, and, if we are unable to do so, our costs of borrowing and our business may be adversely affected. There can be no assurance that we will be able to secure any additional capacity or amendment to our Amended Credit Agreement or to do so on terms that are acceptable to us, in which case, our costs of borrowing could rise and our business and results of operations could be materially adversely affected.

Our new awards and liquidity may be adversely affected by bonding and letter of credit capacity.

A portion of our new awards requires the support of bid and performance surety bonds or letters of credit, as well as advance payment and retention bonds. Our primary use of surety bonds is to support water and wastewater treatment in the U.S., while letters of credit are generally used to support other projects. The issuance of surety bonds is at our sureties' sole discretion and sureties rely on tangible net worth as an indication of risk when deciding whether to issue a requested surety bond. We currently have a negative tangible net worth, which if significantly expanded could limit our bonding capacity or require us to use more of our letters of credit under our credit facility. If we are required to utilize our credit facility for letters of credit, the amount available under the credit facility for other purposes, including compensating for any swings in working capital could be adversely affected. Further, if we are unable to procure such surety bonds or use letters of credit, our ability to win new business and achieve our business plans could be adversely impacted, which would have a material adverse effect on our growth, liquidity and financial condition.

An impairment of some or all of our goodwill and intangible assets could have a material adverse effect on our financial condition and results of operations.

As of December 30, 2016, we had \$477.8 million of goodwill and \$38.0 million of net intangible assets. We conduct a test for impairment of goodwill as of the first day of the fourth quarter of each year or if an event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying amount. If the future fair value of any of our reporting units is less than their carrying value, we are required to record an impairment charge. The amount of any impairment charge could be significant and could have a material adverse effect on our financial condition and results of operations.

Unpredictable economic cycles, uncertain demand for our engineering and related services, and failure by our major customers to pay our fees, could cause our revenue to fluctuate or be uncollectible.

Demand for our engineering and other services is affected by the general level of economic activity in the markets in which we operate, both inside and outside of the U.S. Our customers and the markets in which we compete to provide services are likely to experience periods of economic decline from time-to-time. For example, the most recent global economic downturn and governmental tax revenue declines resulted in a slowdown in demand for our services from local government clients. Similarly, the decline in oil, gas and other commodity prices in beginning in 2014 and continuing throughout 2016 has negatively affected demand for certain of our services and has pressured pricing.

Adverse economic conditions may decrease our customers' willingness to make capital expenditures or otherwise reduce their spending for our services, which could result in diminished revenue and margins for our business. The demand for services depends on the demand and capital spending of our customers in their target markets, some of which are cyclical in nature. Adverse economic conditions could alter the overall mix of services that our customers seek to purchase, and increased competition during a period of economic decline could force us to accept contract terms that are less favorable to us than we might be able to negotiate under other circumstances. Changes in our mix of services or a less favorable contracting environment may cause our revenue and margins to decline. Moreover, our customers impacted by the economic downturn could delay or fail to pay our fees. If a customer failed to pay a significant outstanding fee, our financial results could be adversely affected. Adverse credit market conditions could negatively impact our customers' ability to fund their projects and therefore utilize our services; they can also impact subcontractors' and suppliers' ability to deliver work. These credit disruptions could negatively impact our backlog and profits, and could increase our costs or adversely impact project schedules.

The uncertainties involved in prolonged procurement processes associated with our projects make it particularly difficult to predict whether and when we will receive a contract award. The uncertainty of contract award timing can present difficulties in matching our workforce size with our project needs. If an expected project award is delayed or not received, we could incur costs resulting from idle workforce reductions in staff, or redundancy of facilities that would have the effect of reducing our profits.

Changes and fluctuations in the U.S. government's spending priorities could adversely affect our revenue expectations.

Because a substantial part of our overall business is generated either directly or indirectly as a result of U.S. federal, state and local government regulatory and infrastructure priorities, shifts in these priorities due to changes in policy imperatives, changes in elected officials following elections or changing economic conditions are often unpredictable and may affect our revenue.

Our contracts with the U.S. federal government are subject to the uncertainties of U.S. Congressional funding. Since government contracts represent a significant percentage of our revenue, government budget deficits or a significant reduction in government funding could lead to continued delays in contract awards and termination or suspension of our existing contracts, which could have an adverse impact on our business, financial condition and results of operations. In addition, any government shutdown or other curtailment of funding, such as the U.S. federal government shutdown in October 2013, could have an impact on our government projects including our ability to earn revenue on the projects already awarded, and could have an adverse impact on us.

Effective March 1, 2013, the Budget Control Act of 2011 imposed a process known as sequestration to implement \$1.2 trillion in automatic spending cuts effective through fiscal year 2021, subsequently extended to 2023. Under sequestration the agencies of the U.S. federal government may be required to modify or terminate contracts and substantially reduce awards of new work to companies like us, which will likely impact our ability to earn revenue on projects already awarded, win new work from U.S. federal government customers and may have an adverse impact on us. In December 2015, Congress and the President enacted a two year budget agreement that removed the threat of sequestration in the U.S. federal government's fiscal 2016 and 2017 budgets, but

absent a future budget agreement, the full effect of sequestration could return in the U.S. federal government's 2018 budget. Because some of the spending cuts under the Act are continuing and others could be reinstated in future years, the U.S. federal government spending limitations and reductions from sequestration may continue to affect our operations in the foreseeable future.

Political instability in key regions around the world coupled with the U.S. federal government's commitment to the war on terror put at risk U.S. federal discretionary spending, such as spending on infrastructure projects that are of particular importance to our business. At the state and local levels, the need to compensate for reductions in federal matching funds, as well as financing of federal unfunded mandates, creates pressures to cut back on infrastructure project expenditures. As a result, there can be no assurances that changing U.S. government priorities and spending would not have a material adverse impact on our business.

Government contracts present risks of termination for convenience, adjustment of payments received, restrictions on ability to compete for government work and funding constraints.

The following risks are inherent in contracts with the U.S. federal government and agencies regulated by the U.S. federal government, which represents 21% of our total revenue for fiscal 2016:

- Because U.S. federal laws permit government agencies to terminate a contract for convenience, our U.S. government clients may terminate or decide not to renew our contracts with little or no prior notice.
- Due to payments we receive from our U.S. government clients, our books, records and processes are subject to audit by various U.S. governmental agencies for a number of years after these payments are made. Based on these audits, the U.S. government may adjust or demand repayment of payments we previously received, or withhold a portion of fees due to us because of unsatisfactory audit outcomes. Audits have been completed on our U.S. federal contracts through December 31, 2010, and are continuing for subsequent periods. Audits performed to date have not resulted in material adjustments to our financial statements, however, there can be no assurance that future audit findings will not result in repayments or disqualification of our processes/systems, which could impact our ability to bid or win future U.S. government contract work. In addition, as a government contractor, we are subject to increased risks of investigation, criminal prosecution and other legal actions and liabilities to which purely private sector companies are not. The results of any such actions could adversely impact our business and have an adverse effect on our consolidated financial statements.
- Our ability to earn revenue from our existing and future U.S. federal government projects will depend upon the availability of funding from U.S. federal government agencies. We cannot control whether those clients will fund or continue funding our existing projects.
- In years when the U.S. federal government does not complete its budget process before the end of its fiscal year on September 30, government operations are typically funded pursuant to a "continuing resolution" that authorizes agencies of the U.S. government to continue to operate, but does not authorize new spending initiatives, which can delay the award of new contracts. These delays could have an adverse effect on our operating results.
- Many U.S. federal government programs in which we work require security clearances. Security clearances can be difficult and time-consuming to obtain. If we or our employees are unable to obtain or retain necessary security clearances, we may not be able to win new business or may not be able to renew existing contracts. To the extent we cannot obtain or maintain the required security clearances for our employees working on a particular contract, we may not derive the revenue anticipated from the contract, which could adversely affect our business and results of operations.

Our ability to secure new government contracts and our revenue from existing government contracts could be adversely affected by any one or a combination of the factors listed above.

Many of our projects are funded by U.S. federal, state and local governments, and if we violate applicable laws governing this work, we would be subject to the risk of suspension or debarment from government contracting activities, which could have a material adverse effect on our business and results of operations.

If we fail to comply with the terms of one or more of our government contracts or adhere to the statutes and regulations that govern this type of work, or if we or our employees are indicted or convicted on criminal charges (including misdemeanors) relating to any of our government contracts, in addition to any civil or criminal penalties and costs we may incur, we could be suspended or debarred from government contracting activities for a period of time. Some U.S. federal and state statutes and regulations provide for automatic debarment in certain circumstances. The suspension or debarment in any particular case may be limited to the facility, contract or subsidiary involved in the violation or could be applied to our entire enterprise in certain severe circumstances. Even a

narrow scope suspension or debarment could result in negative publicity that could adversely affect our ability to renew contracts and to secure new contracts, both with governments and private customers, which could materially and adversely affect our business and results of operations.

We may incur additional restructuring charges in future periods.

During the third quarter of 2016, we began a process to review the structure and resources within our business segments and formulate a restructuring plan to more fully align global operations with the Company's client-centric strategy, including a simplified organization structure and streamlined delivery model to achieve higher levels of profitable growth. The restructuring activities have included workforce reductions and facilities consolidations. During the year ended December 30, 2016, we incurred \$42.2 million of costs for these restructuring activities, which have been included in general and administration expense on the consolidated statement of operations. Overall, we expect to incur up to approximately \$50.0 million to \$70.0 million in total restructuring charges related to employee severance and termination benefits and facilities consolidation costs. We expect the 2016 Restructuring Plan to be complete by in the first half of 2017 and to result in aggregate annual cost savings of approximately \$100.0 million.

These restructuring activities may result in a diversion of management's attention from ongoing business, a loss of key personnel and a loss of clients, all of which could disrupt our operations. If these restructuring activities are not completed in a timely manner, if we incur costs that are higher than originally or if anticipated cost savings, synergies, and efficiencies are not realized, there could be a material adverse impact on our business, financial condition, and results of operations.

The results of the United Kingdom's referendum on a withdrawal from the European Union may have a negative effect on our business, results of operation and financial condition .

On June 23, 2016, the United Kingdom held a referendum in which a majority of the voters elected to withdraw from the European Union, commonly referred to as "Brexit." It is expected that the United Kingdom will exit the European Union within two years; although, the exact timeframe for such exit is unknown. Nevertheless, the referendum has created significant uncertainty about the future relationship between the United Kingdom and the European Union, and may adversely affect global economic conditions and the stability of global financial markets. Asset valuations, currency exchange rates and credit ratings may be especially subject to increased market volatility. Lack of clarity about future United Kingdom laws and regulations as the United Kingdom determines which European Union laws to replace or replicate in the event of a withdrawal could depress economic activity and restrict our access to capital. Changes in leadership and public sector infrastructure funding could lead to cancellations, delays or changes in timing to our current and prospective infrastructure projects in the United Kingdom. These factors, among others, could potentially materially affect our business, results of operations and financial condition.

Our industry is highly competitive.

We are engaged in a highly competitive business in which most of our contracts with public sector clients are awarded through a competitive bidding process that places no limit on the number or type of potential service providers. The process usually begins with a government agency request for proposal that delineates the size and scope of the proposed contract. The government agency evaluates the proposals on the basis of technical merit and cost.

In both the private and public sectors, acting either as a prime contractor or as a subcontractor, we may join with other firms that we otherwise compete with to form a team to compete for a single contract. Because a team can often offer stronger combined qualifications than any firm standing alone, these teaming arrangements can be very important to the success of a particular contract competition or proposal. Consequently, we maintain a network of relationships with other companies to form teams that compete for particular contracts and projects. Failure to maintain technical and price competitiveness, as well as failure to maintain access to strong teaming partners may adversely impact our ability to win work.

Our backlog is subject to unexpected adjustments and cancellations and may, therefore, be an uncertain indicator of our future performance.

Our backlog represents the total dollar amount of revenue we estimate we will earn as a result of performing work under contracts that have been awarded. We cannot assure that the revenue projected in our backlog will be realized or, if realized, will result in profits. Projects may remain in our backlog for an extended period of time prior to project execution and, once project execution begins, it may occur unevenly over multiple periods. In addition, our ability to earn revenue from our backlog depends on

the availability of funding for various government and private clients. Most of our contracts with industrial clients have termination for convenience provisions. Further, even if we provide services under the relevant contract, it is possible that the customer may default or otherwise refuse to pay amounts owed to us. Therefore, project terminations, contract suspensions or reductions in scope, or defaults in payment may occur from time-to-time with respect to contracts reflected in our backlog, which in turn would adversely affect the revenue and profit we actually receive from contracts reflected in our backlog. Future project cancellations and scope adjustments could further reduce the dollar amount of our backlog and the revenue and profit that we actually earn.

Backlog is not a measure defined in U.S. generally accepted accounting principles ("U.S. GAAP"), and our methodology for determining backlog may not be comparable to the methodology used by other companies in determining their backlog. The amount of backlog is not necessarily indicative of our future earnings or cash flows.

Our inability to attract and retain professional personnel could adversely affect our business.

Our ability to attract, retain and expand our staff of qualified engineers and technical professionals will be an important factor in determining our future success and growth. The market for these professionals is competitive inside and outside the U.S. We lost veteran managers and engineers through the reduction in force and voluntary retirement programs we initiated in 2014 and continued through 2016 as part of our planned restructuring activities. As some of our existing key personnel approach retirement age, we are developing and implementing proactive succession plans. If we cannot attract and retain qualified personnel, or if we cannot effectively implement our succession plans, we could experience a material adverse impact on our business, financial condition, and results of operations. Since we derive a significant part of our revenue from services performed by our professional staff, our failure to retain and attract professional staff could adversely affect our business by impacting our ability to complete our projects and secure new contracts.

We face potential liability for faulty engineering services and we are subject to potential liability in other litigation, regulatory and legal proceedings.

Our engineering practice involves professional judgments regarding the planning, design, development, construction, operations and management of industrial facilities and public infrastructure projects. Because our projects are often large and can affect many people, our failure to make judgments and recommendations in accordance with applicable professional standards could result in large damages and, perhaps, punitive damages. Although we have adopted quality control, risk management and risk avoidance programs designed to reduce potential liabilities, and carry professional liability insurance to further set off this risk, there can be no assurance that such programs will protect us fully from all risks and liabilities.

We are also a party to other lawsuits and other legal and regulatory proceedings that arise in the normal course of business, including employment-related claims and contractual disputes. While we do not currently believe that any pending lawsuits or proceedings will have a material adverse effect on our results of operations or financial condition, there can be no assurance that this will not be the case.

Fluctuations in commodity prices may affect our customers' investment decisions and therefore subject us to risks of cancellation or delays in existing work, or changes in the timing and funding of new awards.

Commodity prices can affect our customers and may have a significant impact on the costs and profitability of our projects. For example, for projects that we perform on a guaranteed fixed price or "not to exceed" cost basis, unforeseen rising commodity prices can reduce our profit or cause us to incur a loss. Further, rising commodity prices can negatively impact the potential returns on investments for our customers and may lead to customers deferring new investments or canceling or delaying existing projects. Some of our customers are engaged in the production or processing of commodity products, particularly in the energy sector, and fluctuations in commodity prices can impact their business and their willingness to make new capital investments, which in turn may reduce demand for our services. Cancellations, delays and weakness in demand for our services in markets that are affected by commodity price fluctuations may affect our operating results in significant and unpredictable ways and could have a material adverse impact on our business, financial condition, and results of operations.

Changes in the level of activity in the hydrocarbon industry may adversely affect our financial condition and results of operations.

Demand for our oilfield services and other services we provide to the hydrocarbon industry fluctuates, and depends in part on decisions by our customers about their current and future activities and expenditures which, in turn, depend largely upon prevailing industry and market conditions that are influenced by numerous factors over which we have no control, including, but not limited to:

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- Current and projected prices of oil and natural gas and hydrocarbon products;
- Oil and natural gas supply and demand in different geographic areas around the world;
- Cost of exploring for, developing, producing and delivering oil and natural gas;
- Availability of qualified personnel and lead times associated with acquiring equipment and products;
- Federal, state and local regulation of oilfield activities;
- Environmental concerns regarding oil and natural gas exploration and production activities and methods; and,
- Seasonal limitations on access to work locations.

Anticipated future prices for natural gas and crude oil are a primary factor affecting activity and expenditure levels of our customers in the hydrocarbon industry. Lower prices or volatility in prices for oil and natural gas, as has recently occurred, typically decrease spending and drilling activity, which can cause rapid and material declines in demand for our oilfield services and in the prices we are able to charge for our services. Worldwide political, economic, military and terrorist events, as well as natural disasters and other factors beyond our control contribute to oil and natural gas price levels and volatility and are likely to continue to do so in the future.

We could sustain losses on contracts that contain a fixed price or guaranteed maximum price provision if our costs exceed the maximum prices.

Under fixed price contracts, we agree to deliver projects for a definite, predetermined price and under guaranteed maximum price contracts, we agree to deliver projects for a price that is capped regardless of our actual costs incurred over the life of the project. Under cost reimbursable contracts with maximum pricing provisions, we are typically compensated for the labor hours expended at agreed-upon hourly rates plus cost of materials plus any subcontractor costs used; however, there is a stated maximum compensation for the services to be provided under the contract. Many fixed-price or guaranteed maximum price contracts are for large industrial facilities and public infrastructure projects and present the risk that our costs to complete a project may exceed the guaranteed maximum or fixed-price agreed upon with the client. The fees negotiated for such projects may not cover our actual costs and desired profit margins. In addition, many of our customers on fixed or maximum price contracts do not accept escalation clauses regarding labor or material cost increases, including commodity price increases. If our actual costs for a maximum price project or fixed-price project are higher than we expect, as has occurred in recent years, our profit margins on the project will be reduced or we could suffer a loss that could materially affect our results of operations.

Our use of the percentage-of-completion method requires the use of estimates and changes in those estimates could result in a reduction or reversal of previously recorded revenues and profits.

The revenue for our engineering and construction contracts is accounted for on the percentage-of-completion method of accounting. This method of accounting recognizes revenue and profit over the duration of the contract, generally based on the proportion of costs incurred to date, to the total costs expected to be incurred for the project. Revised estimates of costs and contract revenue are recorded when they are known or can otherwise be reasonably estimated. The inherent uncertainties in the estimating process make it possible for actual cost and revenue to vary materially from prior estimates, which can result in the reduction or reversal of previously recorded revenues and profits.

Environmental regulations and related compliance investigations may adversely impact our project performance, expose us to liability and could adversely affect our revenue.

A substantial portion of our business is generated either directly or indirectly as a result of laws and regulations related to environmental matters. In particular, our business involves significant risks including the assessment, analysis, remediation, handling, management and disposal of hazardous substances. As a result, we are subject to a variety of environmental laws and regulations governing, among other things, discharges of pollutants and hazardous substances into the air and water and the handling and disposal of hazardous waste including nuclear materials and related record keeping requirements. These laws and regulations and related investigations into our compliance, as it pertains to facility operations and remediation of hazardous substances, can cause project delays and substantial management time commitment and may significantly add to our costs. Violations of these environmental laws and regulations could subject us to civil and criminal penalties and other liabilities, which can be very large. Although we have not been subject to any material civil or criminal penalties for violations of these laws to date, we have incurred costs and diverted resources to respond to reviews that have negatively impacted the profitability of some of our projects. While the costs of these reviews have not been material to our consolidated results of operations in the past, additional or expanded reviews or proceedings on environmental compliance, or any substantial fines or penalties, could affect our profitability and our stock price in the future, or could

adversely affect our ability to compete for new business. Changes in environmental regulations could affect our business more significantly than other firms. Accordingly, a reduction in the number or scope of these laws and regulations, or changes in government policies regarding the funding, implementation or enforcement of such laws and regulations, could significantly reduce one of our most important markets and limit our opportunities for growth or reduce our revenue. In addition, any effort by government agencies to reduce the role of private contractors in regulatory programs, including environmental compliance projects, could have material adverse effects on our business.

We may not be successful in growing through acquisitions or integrating effectively any businesses and operations we may acquire.

Our success depends in part on our ability to continually enhance and broaden our service offerings and our service delivery footprint in response to changing customer demands, technology, and competitive pressures. Numerous mergers and acquisitions in our industry have resulted in a group of larger firms that offer a full complement of single source services including studies, design, engineering, procurement, construction, operations, maintenance, and facility ownership. To remain competitive, we may acquire new and complementary businesses to expand our portfolio of services, add value to the projects undertaken for clients or enhance our capital strength. We do not know if we will be able to complete any future acquisitions or whether we will be able to successfully integrate any acquired businesses, operate them profitably, or retain their key employees.

When suitable acquisition candidates are identified, we anticipate significant competition when trying to acquire these companies, and there can be no assurance that we will be able to acquire such acquisition targets at reasonable prices or on favorable terms. The Certificate of Designation also limits our ability to conduct certain acquisitions by requiring the consent of the holders of a majority of the outstanding shares of our Series A Preferred Stock before a proposed acquisition can be approved. If we cannot identify or successfully acquire suitable acquisition candidates, we may not be able to successfully expand our operations. Further, there can be no assurance that we will be able to generate sufficient cash flow from an acquisition to service any indebtedness incurred to finance such acquisitions or realize any other anticipated benefits. In addition, there can be no assurance that the due diligence undertaken in connection with an acquisition will uncover all liabilities relating to the acquired business. Nor can there be any assurance that our profitability will be improved as a result of these acquisitions. Any acquisition may involve operating risks, such as:

- The difficulty of assimilating the acquired operations and personnel and integrating them into our current business;
- The potential impairment of employee morale;
- The potential disruption of our ongoing business;
- Preserving important strategic and customer relationships;
- The diversion of management's attention and other resources;
- The risks of entering markets in which we have little or no experience;
- The possibility that acquisition related liabilities that we incur or assume may prove to be more burdensome than anticipated;
- The risks associated with possible violations of the Foreign Corrupt Practices Act, the United Kingdom Bribery Act of 2010, and other anti-corruption laws as a result of any acquisition or otherwise applicable to our business; and,
- The possibility that any acquired firms do not perform as expected.

The success of our joint ventures depends on the satisfactory performance by our joint venture partners. The failure of our joint venture partners to perform their obligations could impose on us additional financial and performance obligations that could result in reduced profits or significant losses on the projects that our joint ventures undertake.

We routinely enter into joint ventures as part of our business. The success of these joint ventures depends, in large part, on the satisfactory performance of our joint venture partners. If our joint venture partners fail to satisfactorily perform their joint venture obligations as a result of financial or other difficulties, the joint venture may be unable to adequately perform or deliver its contracted services. Under these circumstances, we may be required to make additional investments and provide additional services to ensure the adequate performance and project delivery. These additional obligations could result in reduced profits or, in some cases, significant losses for us with respect to the joint venture.

Occasionally, we participate in joint ventures where we are not a controlling party. In such instances we may have limited control over joint venture decisions and actions, including internal controls and financial reporting, which may have an adverse impact on our business.

We may be restricted in our ability to access the cash flows or assets from our subsidiaries and joint venture partners upon which we are substantially dependent.

Substantially all of our cash flows and liquidity necessary to meet our operating expenditures and to participate in our internal market are generated by our subsidiaries. Our ability to access these necessary cash flows may be restricted by certain rules and regulations regarding the financial condition and operational requirements imposed on our foreign subsidiaries that may limit our ability to gain access to the cash flows or assets of these entities. We do not manage all of these entities. Even in those joint ventures that we manage, we are often required to consider the interests of our joint venture partners in connection with decisions concerning the operations of the joint ventures. Our ability to access cash flows from our joint ventures may be restricted by certain rules and regulations imposed on our foreign joint ventures and by joint venture arrangements that may restrict us from gaining access to the cash flows or assets of these entities. As of December 30, 2016, \$46.6 million of our cash included in our consolidated balance sheet was held in bank accounts of our consolidated joint ventures.

Our dependence on subcontractors and equipment manufacturers could adversely affect us.

We rely on third party subcontractors as well as third party equipment manufacturers to complete our projects. To the extent that we cannot engage subcontractors or acquire equipment or materials, our ability to complete a project in a timely fashion or at a profit may be impaired. If the amount we are required to pay for these goods and services exceeds the amount we have estimated in bidding for fixed price contracts, we could experience losses in the performance of these contracts. In addition, if a subcontractor or a manufacturer is unable to deliver its services, equipment or materials according to the negotiated terms for any reason, including the deterioration of its financial condition, we may be required to purchase the services, equipment or materials from another source at a higher price or on less favorable terms. These risks are potentially more significant in an economic downturn if financial difficulties in our supply chain cause our subcontractors or equipment suppliers not to be able to support the demands and schedules of our business. This may reduce the profit we expect to realize or result in a loss on a project for which the services, equipment or materials were needed.

Our defined benefit pension plans have significant deficits that may grow in the future; deficits require payments over time to meet any underfunded benefit obligations under these plans which can create volatility in our cash flows from operations.

As a result of our acquisition of Halcrow, the Company acquired defined benefit pension plans (also known as "defined benefit pension schemes") that have significant deficits. The ongoing funding obligations for the defined benefit pension plans vary from time to time depending on actuarial assumptions outside of the Company's control, such as discount rates, inflation rates, plan investment returns, and life expectancy of the plan members. Additionally, certain transactions, such as the October 4, 2016 transaction to restructure the benefits provided to members of the Halcrow Pension Scheme, one of our defined benefit pension schemes, may change our funding obligations. In order to maintain an adequate funding position over time, the Company continuously reviews these assumptions and mitigates these risks by working with the pension plan trustees and with actuarial and investment advisors. The Company maintains an ongoing dialog with its pension plan trustees to negotiate a reasonable schedule for cash contributions as required by local regulations. Certain assumptions that are outside our control, such as discount rates, inflation rates, plan investment returns or life expectancy change over time and impact the level of contributions we have to make relative to the schemes. As a result, there is an inherent variability to the Company to meet such funding obligations, which could have material adverse effects on our financial position and/or cash flows.

We face risks associated with our international business.

We derive a substantial portion of our revenue from operations outside of the U.S. Conducting business abroad is subject to a variety of risks including:

- Currency exchange rate fluctuations, restrictions on currency movement and impact of international tax laws could adversely affect our results of operations and particularly if we are forced to maintain assets in currencies other than the U.S. dollar as our financial results are reported in U.S. dollars.
- Political and economic instability and unexpected changes in regulatory environment in countries outside the U.S. or negative attitudes and sentiments towards the U.S. could adversely affect our projects overseas and our ability to repatriate cash.
- Inconsistent and diverse regulations, licensing and legal requirements may increase our costs because our operations must comply with a variety of laws that differ from country-to-country.

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- Terrorist attacks and civil unrest in some of the countries where we do business may delay project schedules, threaten the health and safety of our employees, increase our cost of operations, and also result in cancellation of our contracts.
- Challenges in managing risks inherent in international operations, such as unique labor rules and corrupt business environments may cause inadvertent violations of both foreign and U.S. laws that we may not immediately detect or correct.

While we are monitoring such regulatory, geopolitical and other factors, we cannot assess with certainty what impact they may have over time on our business.

Foreign exchange risks may affect our ability to realize a profit from certain projects.

We attempt to minimize our exposure from currency risks by denominating our contracts in the currencies of our expenditures, obtaining escalation provisions for projects in inflationary economies, or entering into derivative (hedging) instruments. However, these actions may not always eliminate our currency risk exposure. Based on fluctuations in currency, the U.S. dollar value of our backlog may from time to time increase or decrease significantly. We do not enter into derivative instruments or hedging activities for speculative purposes. Our operational cash flows and cash balances may consist of different currencies at various points in time in order to execute our project contracts globally. In addition, our non-U.S. asset and liability balances are subject to currency fluctuations when measured period to period for financial reporting purposes in U.S. dollars.

Limitations of or modifications to, indemnification regulations of the U.S. or foreign countries could adversely affect our business.

The Price-Anderson Nuclear Industries Indemnity Act, commonly called the Price-Anderson Act ("PAA"), is a U.S. federal law, which, among other things, regulates radioactive materials and the nuclear energy industry, including liability and compensation in the event of nuclear related incidents. The PAA provides certain protections and indemnification to nuclear energy plant operators and DOE contractors. The PAA protections and indemnification apply to us as part of our services to the U.S. nuclear energy industry and the DOE for new facilities, maintenance, modification, decontamination and decommissioning of nuclear energy, weapons, and research facilities. We offer similar services in other jurisdictions outside the U.S., provided we believe similar protections and indemnities are available, either through laws or commercial insurance. These protections and indemnifications, however, may not cover all of our liability that could arise in the performance of these services. To the extent the PAA or other protections and indemnifications do not apply to our services, our business could be adversely affected because of the cost of losses associated with liability not covered by the available protections and indemnifications, or by virtue of our loss of business because of these added costs.

Risks associated with doing business in highly corrupt environments and employee, agent or partner misconduct or failure to comply with anti-bribery and other governmental laws could, among other things, harm our reputation.

The global nature of our business creates various domestic and local regulatory challenges. In select cases, our operations include projects in developing countries and countries torn by war and conflict. Many of these countries are rated poorly by Transparency International, the independent watchdog organization for government and institutional corruption around the world. Further, our operations outside of the U.S. are subject to the Foreign Corrupt Practices Act ("FCPA"), the United Kingdom Bribery Act 2010, and similar anti-bribery laws in other jurisdictions which generally prohibit companies and their intermediaries from paying or offering anything of value to foreign government officials for the purpose of obtaining or retaining business, or otherwise receiving discretionary favorable treatment of any kind. In addition, we may be held liable for actions taken by our local partners, subcontractors and agents even though such parties are not always subject to our control. Any determination that we have violated the FCPA, the United Kingdom Bribery Act 2010, or any similar anti-bribery laws in other jurisdictions (whether directly or through acts of others, intentionally or through inadvertence) could result in sanctions that could have a material adverse effect on our business and our reputation and on our ability to secure U.S. federal government and other contracts. While our staff is trained on FCPA, the United Kingdom Bribery Act 2010, and other anti-corruption laws and we have procedures and controls in place to monitor compliance, situations may arise that could potentially put us in violation of these regulations and thus negatively impact our business. In addition, we are also subject to various international trade and export laws. Any misconduct, fraud, non-compliance with applicable governmental laws and regulations, or other improper activities by our employees, agents or partners could have a significant adverse impact on our business, financial results and reputation and could subject us to criminal and civil enforcement actions.

Misconduct could also include the failure to comply with government procurement regulations, regulations regarding the

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protection of classified information, regulations regarding the pricing of labor and other costs in government contracts, regulations on lobbying or similar activities, regulations pertaining to the internal controls over financial reporting, environmental laws and any other applicable laws or regulations. In addition, we regularly provide services that may be highly sensitive or that relate to critical national security matters; if a security breach were to occur, our ability to procure future government contracts could be severely limited. Failure to comply with applicable laws or regulations or acts of misconduct could subject us to fines and penalties, loss of security clearances, and suspension or debarment from contracting, any or all of which could harm our reputation, reduce our revenue and profits and subject us to criminal and civil enforcement actions.

We face risks associated with working in locations where there are high security risks.

Some of our projects are performed in locations known for their high security risks. In these high risk locations, we may incur substantial security costs to maintain the safety of our employees and work sites. Despite our best efforts, we cannot guarantee the safety of our employees and we may suffer future losses of employees and subcontractors.

We face risks associated with our work sites and the maintenance of adequate safety standards.

Construction and maintenance sites are inherently dangerous workplaces and place our employees in close proximity to dangers of the work site, such as mechanized equipment, moving vehicles, chemical and manufacturing process and materials. While we routinely plan and implement site-specific safety programs and training for our employees and subcontractors. Our failure to maintain and implement adequate safety standards and procedures could have a material adverse impact on our business, financial condition and results of operations.

Our businesses can be materially and adversely affected by severe weather.

Severe weather has in the past and can in the future create conditions that adversely affect our ability to complete specific projects on time or without excess costs. Such adverse weather conditions may include:

- Evacuation of personnel and curtailment of services which may be temporary in nature;
- Increased labor and materials costs in areas impacted by weather and subsequent increased demand for labor and materials for repairing and rebuilding;
- Weather related damage to our jobsites or facilities;
- Inability to deliver materials to jobsites in accordance with contract schedules;
- Loss of productivity; and,
- Inability to complete projects in accordance with project schedules.

We typically remain obligated to perform our services after a natural disaster unless the contract contains a force majeure clause. We have force majeure clauses in the majority of our contracts that are at the highest risk of being impacted by a force majeure, which are our design-build, program management and EPC contracts. In addition, we typically seek and frequently obtain force majeure clauses in our engineering and consulting contracts. If a contract contains a force majeure provision, we may be able to obtain an extension of time to complete our obligations under such contracts, but we will still be subject to our other contractual obligations in the event of such an extraordinary event. Because we cannot predict the length, severity or location of any potential force majeure event, it is not possible to determine the specific effects any such event may have on us. Depending on the specific circumstances of any particular force majeure event, or if we are unable to react quickly such an event, our operations may be affected significantly, our productivity may be affected, our ability to complete projects in accordance with our contractual obligations may be affected and we may incur increased labor and materials costs, which could have a negative impact on our financial condition, relationships with customers or suppliers, and our reputation.

Rising inflation and increases to interest rates and construction costs could reduce the demand for our services as well as decrease our profit on our existing contracts.

Rising inflation could result in reduced demand for our services as inflationary pressures can prompt our public, government and commercial clients to reduce or eliminate spending. Further, increasing inflation could have an adverse impact on our costs of operations as increasing inflation could increase the cost of certain services or products used in delivering our services.

This risk is further heightened because in some instances we may bear some or all of the risk of rising inflation in our fixed

price and guaranteed maximum price contracts which make up a significant portion of our revenue. In addition, if we expand our business into markets and geographic areas where fixed price work is more prevalent, inflation may have a larger impact on our results of operations in the future. Therefore, increases in inflation, interest rates or construction costs could individually or collectively have a material adverse impact on our business and financial results.

It can be difficult or expensive to obtain the insurance we need for our business operations.

As part of our business operations, we maintain insurance both as a corporate risk management strategy and to satisfy the requirements of many of our contracts. Insurance products go through market fluctuations and can become expensive and sometimes very difficult to obtain. We work with a diversified team of insurers to reduce our risk of available capacity. There can be no assurances, however, that we can secure all necessary or appropriate insurance in the future at an affordable price for the required limits. Our failure to obtain such insurance could lead to uninsured losses that could have a material adverse effect on our results of operations or financial condition.

Our present assessment of the insurance market is that there is adequate capacity to cover our insurance needs, but the cost of insurance may rise. Currently our insurance and bonds are purchased from several of the world's leading and financially stable providers often in layered insurance or co-surety arrangements. The built-in redundancy of such arrangements usually enables us to call upon existing insurance and surety suppliers to fill gaps that may arise if other such suppliers become financially unstable, however, this may not always be the case. Our risk management personnel continuously monitor the developments in the insurance market and financial stability of the insurance providers.

Actual results could differ from the estimates and assumptions used to prepare our financial statements.

In order to prepare financial statements in conformity with U.S. GAAP, we are required to make estimates and assumptions as of the date of the financial statements which affect the reported values of our assets, liabilities, revenue and expenses, and disclosures of contingent assets and liabilities. Any changes in our estimates or assumptions could adversely affect our results of operations and result in future impairment charges. Areas requiring significant estimates by us include:

- Recognition of contract revenue, costs, profit or losses in applying the percentage-of-completion method of accounting;
- Recognition of recoveries under contract change orders or claims;
- Collectability of billed and work-in-process unbilled accounts receivables and the need for and the amount of allowances for problematic accounts;
- Estimated amounts for anticipated project losses, warranty costs and contract close-out costs;
- Determination of liabilities under pension and other postretirement benefit programs;
- Accruals for self-insurance programs for medical, workers compensation, general liability and professional liability;
- Recoverability of deferred tax assets and the related valuation allowances, and accruals for uncertain tax positions;
- Stock option valuation model assumptions;
- Accruals for other estimated liabilities;
- Employee incentive plans; and,
- Asset valuations.

We rely on information systems to conduct our business, and failure to protect these systems against security breaches could adversely affect our business and results of operations. Additionally, if these systems fail or become unavailable for any significant period of time, our business could be harmed.

Because of recent advancements in technology and well-known efforts on the part of computer hackers and cyber terrorists to breach data security of companies, we face risks associated with potential failure to adequately protect critical corporate, client, and employee data which, if released, could adversely impact our client relationships, our reputation, our operational capabilities and results, and violate privacy laws and other applicable laws and regulations. As part of our business, we develop, receive and retain confidential and sensitive data about our company and our clients including the U.S. federal.

In addition, as a global company, we rely heavily on computer, information and communications technology and related systems in order to operate. From time to time, we may be subject to systems failures, including network, software or hardware failures, whether caused by us, third party service providers, intruders or hackers, computer viruses, natural disasters, power shortages or terrorist attacks. Such failures could cause loss of data and interruptions or delays in our or our customers' businesses and could

damage our reputation. In addition, the failure or disruption of our communications or utilities could cause us to interrupt or suspend our operations or otherwise adversely affect our business. Losses that may occur as a result of any system or operational failure or disruption may cause our actual results to differ materially from those anticipated.

We rely on industry accepted security measures and technology to securely maintain confidential and proprietary information maintained on our information systems. However, these measures and technology may not adequately prevent security breaches. Any significant interruption or failure of our information systems or any significant breach of security could result in the violation of privacy laws and other applicable laws and regulations, damage our reputation and adversely affect our business and results of operations.

Further, there is increasing public attention on the importance of cyber security relating to critical infrastructure. This creates the potential for future developments in the regulatory approach to this area, which may adversely impact our clients and how we offer our services to our clients.

Risks Related to Our Internal Market, Including Continuing Liquidity Risk in Repurchasing Stock

We are an employee-controlled professional engineering services firm. As a result, ownership of our common stock and the ability to trade shares of our common stock on our internal market has been largely limited to "eligible employee stockholders," which includes certain active and former employees, directors, eligible consultants and benefit plans and, under limited circumstances at our discretion, other third-parties. At a special meeting held on February 19, 2015, our stockholders approved certain measures, including amendments to our restated certificate of incorporation, intended to facilitate investments in our common or preferred stock, including preferred stock convertible into common stock, by third-party investors who we refer to as "outside investors." On June 24, 2015, we sold and issued an aggregate of 3,214,400 shares of our Series A Preferred Stock to Apollo for an aggregate purchase price of approximately \$200.0 million in a private placement. On April 11, 2016, we sold and issued an additional 1,607,200 shares of Series A Preferred Stock to Apollo for an aggregate purchase price of approximately \$100.0 million in a second closing subject to the conditions within the Subscription Agreement. Total proceeds from the 2016 preferred stock offering were \$99.8 million, net of issuance costs of \$0.2 million. Our outside investors, including Apollo, may transfer our stock other than through the internal market, subject to any contractual limitations that we and the outside investor agree upon. In addition, certain other rights and restrictions in our restated certificate of incorporation are applicable to eligible employee stockholders, but are not applicable to outside investors who may hold our common or preferred stock from time to time.

Unlike public companies whose stock is traded on a securities exchange, there is no public market for our common stock, which is traded exclusively on the internal market we established in 2000 to provide liquidity to eligible common stockholders. The following are significant risks that arise from the restrictions on selling our common stock and the operation of the internal market and are not typical risks associated with publicly traded stock of other companies you may be familiar with. Accordingly, you should consider the following risks in connection with any investment in our common stock. For a detailed discussion of the operation of our internal market and the transfer restrictions on our common stock, see *Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities* in this Annual Report on Form 10-K for the year ended December 30, 2016. Members of our Board of Directors and our management have historically participated in the internal market by purchasing and selling shares of our common stock on various trade dates. We expect that members of our Board of Directors and our management will continue to trade shares on the internal market from time to time, although such transactions are solely at the discretion of each individual.

The price of our common stock is determined by our Board of Directors' judgment of fair value and not by market trading activity.

The price of our common stock on each trade date is established by our Board of Directors based on the factors that are described in this Annual Report on Form 10-K under the heading *Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities*. Our Board of Directors sets the common stock price in advance of each trade date, and all trades on our internal market are transacted at the price established by our Board, which is a significant difference between investing in our common stock and owning stock of a publicly traded company. The market trading activity in our common stock on any given trade date, therefore, cannot affect the price of shares of our common stock on that trade date. This is a risk to eligible employee stockholders because our common stock price will not change to reflect the supply of, or the demand for, shares on a given trade date as it would in a public market. Eligible employee stockholders may not be able to sell their shares of common stock or may have to sell their shares at a price that is lower than the price that would prevail if the internal market price could change on a given trade date to reflect supply and demand. The common stock valuation methodology that our Board of

Directors uses is intended to establish a price for shares of our common stock that represents fair value as of the applicable trade date. The valuation methodology used to determine fair value is subject to change at the discretion of our Board of Directors. However, the Certificate of Designation prevents us from, among other things, repurchasing shares of common stock from eligible employee stockholders in the internal market or otherwise at a valuation inconsistent with our normal quarterly practice without the consent of the holders of a majority of the then outstanding shares of our Series A Preferred Stock.

Transfer restrictions on our common stock could prevent eligible employee stockholders from selling their common stock and result in the loss of all or part of their investment.

Since all of the shares of our common stock held by eligible employee stockholders are subject to transfer restrictions, eligible employee stockholders will generally only be able to sell their common stock through our internal market on the scheduled trade dates each year. In order to satisfy legal requirements for mandatory cash distributions or under other limited circumstances subject to our discretion, we may purchase shares from stockholders or permit stockholders to sell shares of common stock to third parties outside of the internal market. As a result, owning shares of our common stock is different from owning shares of stock that are publicly traded on a stock market because our eligible employee stockholders may not be able to sell their shares of our common stock on demand. Further, our common stock price could decline between the time eligible employee stockholders want to sell and the time they become able to sell, which would result in a partial or total loss of their investment.

Absence of a public market may prevent eligible employee stockholders from selling their stock at the time of their choosing and could result in the loss of all or part of their investment.

While we intend for the internal market to provide some degree of liquidity to eligible employee stockholders, we are under no obligation to continue to maintain the internal market and there can be no assurance that there will be enough orders to purchase shares to permit eligible employee stockholders to sell their shares on the internal market at the time of their choosing. Our internal trading market generally experiences trade imbalances, with more sell orders than buy orders on each trade date. Under the internal market rules, we may participate in the internal market as a buyer of common stock if there are more sell orders than buy orders in the market, and we generally have elected to do so in the past to some extent, although we are under no obligation to do so and will not guarantee market liquidity. Beginning in the second half of 2014, as result of adverse operating results, reduced liquidity and other factors, we have limited the amount of money allocated to purchasing shares in the internal market, resulting in limitations on the number of shares eligible employee stockholders can sell in the internal market. We expect that we will continue to impose limitations on the amount of funds allocated to purchasing shares on the internal market trade dates that are currently expected to occur in 2017 and beyond.

We determine whether to participate in the internal market on a quarterly basis and do not set aside funds in advance to purchase shares of common stock in order to balance sell orders and buy orders on future trade dates. Prior to each quarterly trade date, we review the outstanding orders and any resulting imbalance between sell orders and buy orders and make a determination whether or not we should participate in the internal market by buying shares of common stock in order to help balance the number of sell orders and buy orders. In making that determination, our management and Board of Directors consider prevailing circumstances, including our financial condition and results of operations, our available cash and capital resources, including the borrowing capacity available pursuant to the terms of our Amended Credit Agreement and other sources of liquidity, expected current and future needs for cash to fund our operations, anticipated contingencies and other factors. Any of those considerations, or other considerations that may arise in the future, could cause our management or Board of Directors to decide that we will participate in the internal market only on a limited basis (i.e. "partially clear" the market), in which case we would purchase some, but not all, of the shares of common stock subject to sell orders in excess of the number of buy orders on the applicable trade date, as has been the case on recent trade dates. Furthermore, such considerations could cause our management or Board of Directors to decide not to purchase any shares of common stock on any trade date, either on a one-time basis, or on a going-forward basis in accordance with internal market rules. In addition, in September 2016, our principal revolving credit facility was amended to include a limitation on the amount we may spend to repurchase our common stock in connection with its employee stock ownership program and to make legally required repurchases of common stock held in benefit plan accounts. Furthermore, the Certificate of Designation prevents us from, among other things, repurchasing shares of common stock from eligible employee stockholders in the internal market or otherwise in excess of certain negotiated pre-approved amounts without the consent of the holders of at least a majority of the then outstanding shares of our Series A Preferred Stock. If we sell additional shares of preferred stock or common stock to other outside investors, the contractual terms governing such investments could also impose additional direct or indirect limitations on our ability to conduct repurchases.

If we do not purchase any shares of common stock or only purchase enough shares to partially clear the market on any trade

date, sell orders will be subject to limitations we refer to as proration and allocation in accordance with the internal market rules in effect at the time and eligible employee stockholders may only be able to sell a portion of the shares they want to sell on that trade date. Our Board of Directors has authority to modify the internal market rules related to allocation of limits on sell orders.

Together with prudent management of our resources for operating cash needs, we expect that the amounts that we will be able to spend to clear sell orders on the trade dates that are currently expected to occur in 2017 and beyond will continue to be severely restricted. Our Board of Directors and management anticipate that the internal market will only partially clear, and some sell orders will be only partially filled, on such trade dates. Consequently, insufficient buyer demand could continue to cause sell orders to be limited, or could prevent the internal market from opening on any particular trade date, either of which could cause delay in eligible employee stockholders' ability to sell their common stock. If our stock price declines from the time eligible employee stockholders want to sell to the time they become able to sell, they could suffer partial or total loss of their investment. No assurance can be given that eligible employee stockholders desiring to sell all or a portion of their shares of common stock will be able to do so.

Legal requirements to repurchase shares of our common stock held through our 401(k) plan may constrain our ability to purchase shares in the internal market, which could delay or prevent sales by eligible employee stockholders who want to sell their common stock and result in the loss of all or part of their investment.

A significant portion of our outstanding shares of common stock are owned by eligible stockholders, including former and retired employees, through the CH2M HILL Retirement and Tax-Deferred Savings Plan (the "401(k) Plan"), which is subject to the requirements of the Employee Retirement Income Security Act of 1974, as amended ("ERISA"). We are legally required to repurchase shares of our common stock held through the 401(k) Plan under certain circumstances, primarily related to separation from employment or retirement of eligible employee stockholders, and within the time periods prescribed by ERISA and the documents governing the terms of the 401(k) Plan. In some cases, our obligation to repurchase such shares of common stock arises if the former employee makes a request to liquidate their holdings of our common stock and in other cases the requirement is automatically triggered upon the former employee reaching a certain age. Accordingly, we are not able to predict the precise timing or amount of legally required repurchases we will be required to make in any future period. As of December 30, 2016, the aggregate amount of our common stock that we could be legally required to repurchase had a value of up to \$123.9 million, at the then-current stock price established by our Board of Directors. If we were to fail to make such legally required repurchases within the applicable time periods, we would be in violation of the terms of ERISA. In order to satisfy our obligation to make legally required repurchases, we could be required to expend significant funds, which could reduce our liquidity and limit the amount of funds available to purchase other shares of our common stock offered on the internal market on any trade date, or prevent such repurchases on the internal market entirely. Consequently, our obligation to make legally required repurchases could cause sell order amounts to be limited, or could prevent the internal market from opening on any particular trade date, either of which could cause delay in eligible stockholders' ability to sell their common stock. If our stock price declines from the time eligible stockholders want to sell to the time they become able to sell, they could suffer partial or total loss of their investment. No assurance can be given that eligible stockholders desiring to sell all or a portion of their shares of common stock will be able to do so.

Changes in the operation of the internal market or a determination to stop maintaining the internal market would delay or prevent sales by eligible employee stockholders who want to sell their common stock, which could result in the loss of all or part of their investment.

Our Board of Directors could, in its discretion, determine to change the internal market rules. For example, our Board of Directors could change the method for prorating or otherwise allocating buy orders and sell orders in an under-subscribed market, prioritize certain orders to comply with applicable laws or other considerations or limit the number or percentage of a stockholder's shares of common stock that such stockholder could sell on any given trade date. In addition, our Board of Directors, in their sole discretion, could decide to cease operating the internal market for a variety of reasons. A determination to change the rules under which the internal market operates or a decision to stop maintaining the internal market entirely, could cause significant delays in stockholders' ability to sell their common stock or prevent them from selling their common stock altogether.

Moreover, changes to the rules under which the internal market operates could affect different stockholders in different ways; for example, by prioritizing certain transactions in stock held through employee benefit plans over transactions in stock held directly. The Certificate of Designation prevents us from, among other things, repurchasing shares of common stock from eligible employee stockholders in the internal market or otherwise at a valuation inconsistent with our normal quarterly practice without the consent of the holders of at least a majority of the then outstanding shares of our Series A Preferred Stock. Similarly, if we sell additional shares of preferred stock or common stock to an outside investor, the contractual terms governing such investment could impose additional

direct or indirect limitations on the Board of Directors' ability to change the internal market rules or require any such change to affect outside investors differently than it affects stockholders. If our common stock price declines from the time stockholders want to sell to the time they become able to sell, they could suffer partial or total loss of their investment.

The Company may be unable to or may decide to not provide sufficient liquidity to enable the sale of all or a portion of shares offered for sale and may not be able to continue proration or allocation of sales at current levels or at all.

The ability of the Company to provide sufficient liquidity or capital to participate in the internal market at all or to participate at recent levels may be restricted by, without limitation, the number of shares offered for sale, other corporate opportunities, or the ability of the Company to generate enough liquidity. In the year ended December 30, 2016, we experienced project losses and other adverse operating results, including additional cost growth of \$121.3 million on a fixed-price transportation contract to design and construct roadway improvements on an expressway in the southwestern United States, and \$301.5 million on a fixed-price EPC project in Australia through a consolidated joint venture with an Australian construction contractor to engineer, procure, construct and start-up a combined cycle power plant to supply power to a large liquefied natural gas facility in Australia. While we may recover a significant portion of such losses from the clients, and we intend to pursue recovery vigorously, we currently anticipate these losses will constrain our cash flow and liquidity. In the context of our current debt structure and projected cash needs, the Company may be unable to or may decide to not provide sufficient liquidity to participate in the internal market at all or at current levels until our cash flow and liquidity constraints are resolved.

The amount of shares offered for sale at any given time and the increasing number of shares held by employees at retirement age may cause requests for sales of shares that far exceed the amount of capital the Board of Directors allocates to the internal market. In addition to our anticipated cash flow and liquidity constraints, the Company, acting through the Board of Directors, may decide to allocate capital or cash to activities or opportunities outside the internal market. Further, the Company in the future may not be able to generate the liquidity required, either through operations or through use of the credit facility, to participate in the internal market.

The occurrence of any of these or similar events could cause the funds available to fulfill sell orders to be limited, could prevent the internal market from operating for a certain period or periods of time, could cause delays in the opening of the internal market trade dates or could result in the cessation of the internal market altogether. Any of these changes could cause a delay in eligible stockholders' ability to sell their common stock. If our stock price declines from the time eligible stockholders want to sell to the time they become able to sell, they could suffer partial or total loss of their investment. No assurance can be given that eligible stockholders desiring to sell all or a portion of their common stock will be able to do so.

Our Amended Credit Agreement and the Certificate of Designations for our Series A Preferred Stock contain covenants that may restrict the Company's ability to conduct certain repurchases of shares of capital stock in the internal market.

Our management and Board of Directors have sole discretion with respect to the decision whether to repurchase shares in the internal market on any trade date. In making the determination whether to participate in an under-subscribed market on any trade date, our management and Board of Directors will consider a variety of relevant factors in light of prevailing circumstances at that time, including contractual terms agreed to with any outside investor.

Both our Amended Credit Agreement and the Certificate of Designations for our Series A Preferred Stock limit our ability to repurchase shares of our common stock in the internal market on any trade date and, under certain circumstances may prevent us from repurchasing shares on a trade date.

The Amended Credit Agreement provides that we may spend up to \$75.0 million (less the amount of any legally required repurchases of common stock held in benefit plans) to repurchase our common stock in the internal market during the three quarter period ending March 31, 2017. Thereafter, we may spend up to \$100.0 million (less the amount of any legally required repurchases of common stock held in benefit plans) to repurchase common stock in the internal market during each rolling four quarter period. Moreover, in order to make any repurchases in the internal market, we must not be in default under the terms of the Amended Credit Agreement and both before and after giving effect to such repurchases we must be in pro forma compliance with the financial covenants contained in the Amended Credit Agreement.

In 2017, under the Certificate of Designation, the Company is permitted to repurchase shares of common stock in an amount determined by a formula based upon our cash flow from operations, minus capital expenditures, for fiscal 2016. Based upon our results of operations for fiscal year 2016, the Company is prohibited from repurchasing shares of common stock in the internal market,

except as legally required, unless it is able to obtain the consent of the holders of at least a majority of the Series A Preferred Stock. On January 17, 2017, the Company received from the Series A Preferred Stock holder, an acknowledgment and consent permitting the Company to spend up to \$25.0 million, in the aggregate, to repurchase shares of common stock in the first trade of 2017 related to the 2016 third quarter financial results. No assurance can be given that in the future the Company will be able to obtain an acknowledgment and consent from the Series A Preferred Stockholder permitting the Company to repurchase common stock in the internal market if such an acknowledgment and consent is required.

Based on these limitations and other factors including adverse operating results and reduced liquidity, we expect that the amounts that we will spend to repurchase shares in the internal market in 2017 and beyond will continue to be severely limited and could prevent the internal market from opening on any particular trade date, either of which could delay an eligible employee stockholders' ability to sell their common stock. If our stock price declines from the time eligible employee stockholders want to sell to the time they become able to sell, they could suffer partial or total loss of their investment. No assurance can be given that eligible employee stockholders desiring to sell all or a portion of their shares of common stock will be able to do so.

Future changes in our capital structure to provide greater liquidity or access to greater liquidity may interrupt, substantially alter, or cease the operation of our internal market .

In order to provide greater liquidity to the Company to meet future capital needs, the Company is beginning to consider transformational alternatives to our internal market and the capital structure of the Company. These transformational alternatives may include, but are not limited, to an initial public offering, issuance of additional Series A Preferred Stock to Apollo or other investors, issuance of preferred stock or common stock to other outside, non-employee investors, or seeking partners for a merger or other business combination for the Company.

If the Company elects to pursue any one or any combination of transformational alternatives to our capital structure and received any necessary stockholder approval to proceed, obligations resulting from the laws, regulations or agreements between parties to achieve the chosen capital structure transformation alternative could cause sell order amounts to be limited, could prevent the internal market from operating for a certain period or periods of time, could cause delays in the opening of the internal market trade dates or could result in the cessation of the internal market altogether. Any of these changes could cause a delay in eligible stockholders' ability to sell their common stock. If our stock price declines from the time eligible stockholders want to sell to the time they become able to sell, they could suffer partial or total loss of their investment. No assurance can be given that eligible stockholders desiring to sell all or a portion of their common stock will be able to do so.

The limited market and common stock transfer restrictions applicable to eligible stockholders, as well as rights and restrictions in our restated certificate of incorporation and bylaws, will likely have anti-takeover effects.

Only the Company, members of our Board of Directors, certain consultants and certain eligible employees may purchase our common stock through our internal market. We also have significant restrictions on the transfer of our common stock by stockholders outside of the internal market. These limitations make it extremely difficult for a potential acquirer who does not have the prior consent of our Board of Directors and any necessary approval of the stockholders to attain control of our company, regardless of the price per share an acquirer might be willing to pay and whether or not our stockholders would be willing to sell at that price. In addition, other provisions in our restated certificate of incorporation and bylaws impose a sixty six and two thirds percent (66 2/3%) stockholder approval requirement for any amendment to our bylaws proposed by a stockholder and impose a requirement that our employees constitute a majority of the Board of Directors at all times, which may make it more difficult for a potential acquirer to gain control of our company without the prior consent of our Board of Directors. The Certificate of Designation also prevents us from, among other things, effecting certain liquidation events (including a sale of the Company) and changes of control in which the holders of Series A Preferred Stock would receive less than \$600.0 million in cash or liquid assets without the consent of the holders of at least a majority of the then outstanding shares of our Series A Preferred Stock.

Future returns on our common stock may be significantly lower than historical returns and the value of our common stock may decline.

Historical trends in our stock price are not necessarily indicative of the stock price in the future. In the past, our stock price has, in some cases, declined from one quarter to the next. We cannot assure stockholders that our common stock will provide returns in the future comparable to those achieved historically or that the price will not decline.

Risks Related to Our Series A Preferred Stock

The issuance of shares of our Series A Preferred Stock to Apollo has reduced the relative voting power of holders of our common stock, may dilute the ownership of such holders and therefore negatively affect the price of our common stock, and any additional issuance of shares of our Series A Preferred Stock in the future may increase these effects.

On June 24, 2015, we sold and issued an aggregate of 3,214,400 shares of our Series A Preferred Stock to Apollo for an aggregate purchase price of approximately \$200.0 million in a private placement. On April 11, 2016, we sold and issued an additional 1,607,200 shares of Series A Preferred Stock to Apollo for an aggregate purchase price of approximately \$100.0 million in a second closing subject to the conditions within the Subscription Agreement. As holders of our Series A Preferred Stock are entitled to vote, on an as-converted basis, together with holders of our common stock as a single class on all matters submitted to a vote of our common stockholders, the issuance of the Series A Preferred Stock to Apollo has effectively reduced the relative voting power of the holders of our common stock.

In addition, any holder of outstanding shares of Series A Preferred Stock may elect, from time to time, to convert any or all of such holder's shares of Series A Preferred Stock into a number of shares of our common stock as is determined by dividing the original issue price of \$62.22 per share (the "Original Issue Price") by a conversion price (the "Initial Conversion Price"), which initially is also \$62.22 per share. Under certain circumstances set forth in our Investor Rights Agreement with Apollo, after June 24, 2020, the Initial Conversion Price will be reduced to \$52.65 or \$47.86. The Initial Conversion Price is also subject to adjustments on a broad-based, weighted-average basis upon the issuance of shares of common stock or certain equivalent securities at a price per share less than the Initial Conversion Price as adjusted to date, subject to certain exclusions. Conversion of the Series A Preferred Stock to common stock would dilute the ownership interest of existing holders of our common stock.

The holders of our Series A Preferred Stock may exercise influence over us, including through Apollo's ability to elect up to two members of our Board of Directors.

As of December 30, 2016, the shares of Series A Preferred Stock owned by Apollo represent approximately 17% of the voting rights of our common stock, on an as-converted basis. As a result, Apollo has the ability to influence the outcome of any matter submitted for the vote of our stockholders.

In addition, the Certificate of Designation grants certain consent rights to the holders of at least a majority of Series A Preferred Stock before taking certain actions, including (a) increasing the authorized number of shares of Series A Preferred Stock; (b) authorizing securities having rights, preferences or privileges that are senior to or on a parity with the Series A Preferred Stock as to dividends or upon any liquidation, dissolution or winding up of the Company, whether voluntary or involuntary, or any other transaction deemed a liquidation event pursuant to the certificate of designation (including a sale of the Company) or increasing the authorized number of shares of any such securities; (c) amending our restated certificate of incorporation in any way that adversely affects the rights, preferences or privileges of the Series A Preferred Stock; (d) conducting certain liquidation events in which the holders of Series A Preferred Stock would receive less than \$600.0 million in cash or liquid assets; (e) effecting or allowing the registration or listing on a securities exchange of any securities of the Company other than in accordance with post-registration or post-listing restrictions on transfer of our common stock as further described in the Certificate of Designation; (f) entering into agreements for certain acquisitions, joint ventures or investments, except, in certain circumstances, those involving amounts of \$100.0 million or less; (g) entering into agreements for certain firm, fixed-price or lump-sum design-build or EPC contracts outside of our water business group involving certain negotiated amounts; (h) entering into certain related-party transactions; (i) entering into any new line of business; (j) conducting certain repurchases of shares of capital stock in excess of negotiated pre-approved amounts set forth in the certificate of designation; (k) incurring certain debt for borrowed money in amounts that would cause our leverage ratio to exceed 3.00:1.00 (or 3.25:1.00 for 2015); (l) increasing the number of directors on our Board of Directors to more than 13; and (m) under certain circumstances set forth in our Investor Rights Agreement with Apollo, after June 24, 2020, issuing equity securities other than certain pre-approved issuances pursuant to existing plans and agreements. Apollo and any other future holders of Series A Preferred Stock may have interests that diverge from, or even conflict with, those of our other stockholders. For example, the holders of Series A Preferred Stock may have an interest in directly or indirectly pursuing acquisitions, divestitures, financings or other transactions that, in their judgment, could enhance their other equity investments, even though such transactions might involve risks to us.

In addition, for so long as Apollo continues to hold a minimum required number of the shares of Series A Preferred Stock set forth in the Investor Rights Agreement, Apollo will have the right to designate two directors to our Board of Directors.

Notwithstanding the fact that all directors will be subject to fiduciary duties and applicable law, the interests of the directors appointed by Apollo may differ from the interests of our stockholders as a whole or of our other directors.

The Series A Preferred Stock has rights, preferences and privileges that are not held by, and are preferential to, the rights of our common stockholders. Such preferential rights could adversely affect our liquidity and financial condition and may result in the interests of the holders of the Series A Preferred Stock differing from those of our common stockholders.

In the event of any liquidation, dissolution or winding up of the Company, whether voluntary or involuntary, or any other transaction deemed a liquidation event pursuant to the Certificate of Designation, including a sale of the Company (a "Liquidation"), each holder of outstanding shares of our Series A Preferred Stock will be entitled to be paid out of our assets available for distribution to stockholders, before any payment may be made to the holders of our common stock, an amount per share equal to the Original Issue Price, plus accrued and unpaid dividends thereon or, in the event that such Liquidation occurs before the June 24, 2020, such dividends as would have accrued on such shares through such date and are unpaid, and in each case, together with any other dividends declared and unpaid on such shares of Series A Preferred Stock. If, upon such Liquidation, the amount that the holders of Series A Preferred Stock would have received if all outstanding shares of Series A Preferred Stock had been converted into shares of our common stock immediately prior to such Liquidation would exceed than the amount they would receive pursuant to the preceding sentence, the holders of Series A Preferred Stock will receive such greater amount.

Dividends on the Series A Preferred Stock are cumulative and accrue quarterly, whether or not declared by our Board of Directors, at the rate of 5.0% per annum on the sum of the Original Issue Price plus all accrued and unpaid dividends thereon. After June 24, 2020, the rate at which dividends accrue may increase from 5.0% to 10.0% or 15.0% if our stockholders do not approve a sale of the Company which has been recommended by our Board of Directors or subsequently do not approve certain other actions to facilitate an initial public offering. Dividends accruing on shares of Series A Preferred Stock prior to June 24, 2020 are not paid in cash or in kind but are added to the liquidation preference of the Series A Preferred Stock pursuant to the Certificate of Designation. After June 24, 2020, dividends accruing on shares of Series A Preferred Stock will be payable in cash at the election of our Board of Directors. In addition, under certain circumstances set forth in the Certificate of Designation, after June 24, 2020, dividends accrued on shares of Series A Preferred Stock will be payable in cash or in kind at the election of the holders of a majority of the outstanding shares of Series A Preferred Stock. In addition to the dividends accruing on shares of Series A Preferred Stock described above, if we declare certain dividends on our common stock, we will be required to declare and pay a dividend on the outstanding shares of our Series A Preferred Stock on a pro rata basis with the common stock, determined on an as-converted basis.

Pursuant to the Certificate of Designation, we may redeem all shares of Series A Preferred Stock, but no less than all shares of Series A Preferred Stock, out of funds lawfully available for such purpose in one installment commencing at any time on or after June 24, 2018. The aggregate redemption price for the shares of Series A Preferred Stock will be equal to the greater of (a) the fair value of such shares, as determined by an appraisal provided for in the Certificate of Designation, plus accrued and unpaid dividends on such shares, together with any other dividends declared and unpaid thereon, and (b) certain guaranteed minimum prices of up to an aggregate of \$600.0 million. The Series A Preferred Stock is not redeemable upon the election of the holders of Series A Preferred Stock.

Our obligation to pay dividends to the holders of our Series A Preferred Stock in certain circumstances and our potential decision to redeem the outstanding shares of Series A Preferred Stock could impact our liquidity and reduce the amount of cash flows available for working capital, capital expenditures, growth opportunities, acquisitions and other general corporate purposes and the repurchase of common stock on our internal market. Our obligations to the holders of Series A Preferred Stock could also limit our ability to obtain additional financing or increase our borrowing costs, which could have an adverse effect on our financial condition.

Item 1B. Unresolved Staff Comment s

None.

Item 2. Propertie s

Our operations are conducted primarily in leased properties in 39 countries throughout the world. Our corporate headquarters are located 9191 S. Jamaica Street, Englewood, Colorado. We believe our current facilities, which include leases for approximately 2.7 million square feet worldwide, are adequate for the operation of our business.

Item 3. Legal Proceedings

We are party to various legal actions arising in the normal course of business. Because a large portion of our business comes from U.S. federal, state and municipal sources, our procurement and certain other practices at times are subject to review and investigation by various agencies of the U.S. government and state attorneys' offices. Such state and U.S. government investigations, whether relating to government contracts or conducted for other reasons, could result in administrative, civil or criminal liabilities, including repayments, fines or penalties or could lead to suspension or debarment from future U.S. government contracting. These investigations often take years to complete and many result in no adverse action or alternatively could result in settlement. Damages assessed in connection with and the cost of defending any such actions could be substantial. While the outcomes of pending proceedings and legal actions are often difficult to predict, management believes that proceedings and legal actions currently pending would not result in a material adverse effect on our results of operations or financial condition even if the final outcome is adverse to the Company.

Many claims that are currently pending against us are covered by our professional liability insurance after we have exhausted our self-insurance requirement, which is currently \$20.0 million per policy year. Management estimates that the levels of insurance coverage (after retentions and deductibles) are generally adequate to cover our liabilities, if any, with regard to such claims. Any amounts that are probable of payment are accrued when such amounts are estimable. Subject to the foregoing, the following legal proceedings that have not yet been terminated through settlement are not probable of payment at this time but are disclosed because an adverse outcome with regard to any one or a combination of these legal proceedings could have a future material adverse impact on our financial condition, cash flows or results of operations.

CH2M-WG Idaho, LLC ("CWI"), owned 50.5% by CH2M HILL Constructors, Inc., a wholly owned subsidiary of CH2M HILL Companies, Ltd., is a remediation contractor for the U.S. Department of Energy ("DOE") at the Idaho National Laboratory site. The original remediation contract was to run from May 2005 through September 2012, and was extended through September 2015. CWI currently has a disagreement with DOE concerning what CWI's final fee should be for the base contract period from May 2005 through September 2012. In December 2013, the DOE issued a final determination that was approximately \$30.0 million less than CWI expected to receive in the fee determination. On March 6, 2014, CWI filed a Certified Claim with the Contracting Officer for a total fee owed of \$40.1 million. The Certified Claim was rejected through a Contracting Officer's Final Decision in May 2014, and CWI filed its appeal to the Civilian Board of Contract Appeals on May 30, 2014. The trial was held April 12 through 28, 2016, and the post-trial briefing phase is now complete. We are awaiting the decision from the Board. Based on information presently known to management, we believe that the outcome of this dispute will not have a material adverse effect on our financial condition, cash flows or results of operations.

In 2003, the Municipality of Anchorage, Alaska ("Municipality") began its Port of Anchorage Intermodal Expansion Project by entering into Memoranda of Understanding with the Maritime Administration ("MarAd"). MarAd contracted with Integrated Concepts and Research Corporation ("ICRC") to perform certain design and construction-related work on the project. In 2006, ICRC subcontracted certain project design work to PND Engineers, Inc. ("PND"). In 2006, PND subcontracted some limited portions of its work to VECO, Inc. (n/k/a CH2M HILL Alaska, Inc.). During the design phase, PND's proprietary design, the Open Cell Sheet Pile system ("OCSP") was recommended as the preferred design alternative on the project. VECO issued two documents, one in 2006 and one in 2007. On March 8, 2013, the Municipality filed suit against ICRC, PND, and CH2M HILL Alaska, Inc. in the Superior Court for the State of Alaska, Third Judicial District at Anchorage. Four additional parties (GeoEngineers, Inc.; Terracon Consultants, Inc.; Colaska, Inc.; and MKB Constructors) were later added to the litigation. The matter was later transferred to the United States District Court for the District of Alaska. The Municipality alleged the project suffered from design and construction deficiencies, and initially claimed damages against all defendants of approximately \$340.0 million. The Municipality's claims against CH2M HILL Alaska, Inc. ultimately included claims for professional negligence, negligence, and negligent misrepresentation. The Court issued a ruling on October 31, 2016, granting CH2M HILL Alaska, Inc.'s motion for summary judgment as to negligence, negligent misrepresentation, and the portion of the professional negligence claim relating to VECO's 2007 report. The Municipality has also filed suit against MarAd in the Court of Federal Claims related to the Project. On January 6, 2017, the Municipality and CH2M HILL Alaska, Inc. reached a settlement for an immaterial amount under fair and reasonable terms, and the Municipality dismissed CH2M HILL Alaska, Inc. with prejudice from the litigation.

In 2009, URS-CH2M HILL Amtrak Joint Venture, a joint venture formed by CH2M HILL, Inc., a wholly owned subsidiary of CH2M HILL Companies, Ltd., and URS Corporation ("URS") was contracted by Amtrak to provide Program Management Oversight and administration services for the Amtrak Improvements Project, a \$1.3 billion Amtrak-awarded stimulus funded under the American Recovery and Reinvestment Act. This ongoing appointment includes over 366 projects involving improvements to bridges,

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communications and systems, electrical transmission, stations, security, railroad ties, etc. On July 17, 2014, Amtrak's Office of Inspector General served a subpoena duces tecum on CH2M HILL, Inc. and joint venture partner, URS, requesting multiple categories of records. Following CH2M HILL, Inc.'s production of documents in compliance with the subpoena, the U.S. Attorney's Office in Philadelphia contacted CH2M HILL, Inc.'s outside counsel in January 2016 and has since asserted potential violations of the federal False Claims Act resulting in excess of \$3.0 million in claims. CH2M HILL, Inc. and the federal government have reached a settlement in principle under fair and reasonable terms to settle the government's civil False Claims Act claims. On February 27, 2017, the parties reached a settlement pursuant to which CH2M HILL, Inc. and its joint venture partner will pay the United States federal government \$1.5 million.

In 2012, CH2M HILL Australia Pty Limited entered into a 50/50 integrated joint venture with UGL Infrastructure Pty Limited ("UGL"), an Australian construction contractor ("CH2M-UGL JV" or "JV"). The JV entered into a Consortium Agreement with General Electric and GE Electrical International Inc ("Consortium"). The Consortium was awarded a contract by JKC Australia LNG Pty Limited ("JKC") for the engineering, procurement, construction and commissioning of a 360 MW Combined Cycle Power Plant (the "Project") for INPEX Operations Australia Pty Limited ("Inpex") at Blaydin Point, Darwin, NT, Australia (the "Subcontract"). On January 24, 2017, the Consortium terminated the Subcontract because of JKC's repudiatory breach. The Consortium also demobilized from the work site. The Consortium issued a termination letter which described JKC's failure to properly administer the Subcontract. JKC's failures include, among other things, (1) a failure to provide fuel gas by the milestone date and (2) delay in the provision of electrical load against the previously advised program. There are a number of other omissions and interferences by JKC with respect to completing site documentation that have also contributed to the Consortium's decision to terminate the Subcontract. JKC has claimed that the Consortium's termination was not valid. JKC claims the Consortium has abandoned the work and, as such, JKC has now purported to terminate the Subcontract. The Consortium and JKC are now in dispute over the termination. The Consortium expects to file arbitration claims against JKC, and anticipates that JKC will file claims back. We expect the arbitration to be lengthy and at this time are unable to predict the timing of resolution or the outcome of disputes, but the outcome could be materially adverse to our results of operations, cash flow and financial condition. The primary dispute over the termination is to be decided in an International Chamber of Commerce arbitration in Singapore.

Item 4. *Mine Safety Disclosures*

None.

PART II

Item 5. *Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities*

Market Information

CH2M has a long history as an employee-controlled professional engineering services firm. Our common stock was, in the past, only available to be owned by certain active and former employees, directors, eligible consultants and benefit plans and their participants and, under limited circumstances at our discretion, other third-parties. We refer to those eligible owners of our common stock as our "eligible employee stockholders." In 2015, our stockholders approved certain measures, including amendments to CH2M's restated certificate of incorporation, intended to facilitate investments in CH2M's common or preferred stock, including preferred stock convertible into common stock, by third-party investors, who we refer to as "outside investors," and to permit such outside investors to transfer CH2M common stock other than through the internal market, subject to any contractual limitations CH2M and the outside investor agree upon. In addition, certain other rights and restrictions in our restated certificate of incorporation are applicable to eligible employee stockholders, but are not applicable to outside investors who may hold common or preferred stock in CH2M from time to time.

There is no market on which our stock may be purchased by the general public. In order to provide liquidity for our stockholders, in 2000 CH2M established an Internal Market ("Internal Market") operated through an independent broker, currently Neidiger, Tucker and Bruner, Inc. ("NTB").

The Internal Market enables eligible employee stockholders to offer to sell or purchase shares of our common stock on predetermined days (each, a "Trade Date"). The Trade Dates are determined by our Board of Directors in its sole discretion and generally occur on a quarterly basis. Unlike public companies whose stock is traded on a national securities exchange, the price of our common stock is determined by our Board of Directors, generally on a quarterly basis in conjunction with the determination and

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announcement of quarterly Trade Dates based on a company fair valuation methodology that is intended to establish a price for our common stock that represents fair value as of the applicable Trade Date. After our Board of Directors determines the stock price for use on the next Trade Date, all eligible employee stockholders are advised as to the new stock price and the next Trade Date.

Purchases of common stock on the Internal Market are restricted to the following authorized buyers:

- Our employees, directors and certain eligible consultants;
- Trustees of the benefit plans (on behalf of plan participants); and,
- Administrator of the Payroll Deduction Stock Purchase Plan ("PDSPP") (on behalf of PDSPP participants).

In addition, at the discretion of our Board of Directors, we may permit other third parties to purchase common stock from existing stockholders under limited circumstances in private transactions outside of the Internal Market. Authorized sellers who may sell shares through the Internal Market include the authorized buyers and former employees who acquired shares of our common stock while employed, as well as any third parties who may be permitted to purchase our common stock as described above.

Our Internal Market is managed through an independent broker, currently NTB. On each Trade Date, NTB acts upon instructions, or "orders," from the buyers and sellers to trade shares of our common stock at the stock price set by our Board of Directors and in accordance with the Internal Market rules. All sellers on the Internal Market, other than CH2M and the trustees of the CH2M HILL Companies, Ltd. Amended and Restated 401(k) Plan (the "401(k) Plan"), pay NTB a commission fee equal to three tenths of one percent (0.3%) of the proceeds from such sales. No commission is paid by buyers on the Internal Market. NTB does not play a role in determining the price of our common stock and is not affiliated with CH2M. Individual stock ownership account records are currently maintained by our in-house transfer agent.

The Internal Market functions differently than most public securities markets, where actual market trading activity determines the trading price of the securities. On the Internal Market, the price of shares of our common stock is determined by our Board of Directors based on their judgment of fair value. Our eligible employee stockholders then make independent decisions to submit buy orders and sell orders for each trade date, which generally does not result in a "balanced market" because the number of buy orders and sell orders are unequal. The Internal Market rules permit CH2M to elect to purchase shares if the Internal Market is "under-subscribed" for a particular Trade Date, meaning that there are more sell orders than buy orders. Similarly, CH2M may elect to sell shares or impose limitations on the number of shares that an authorized buyer may purchase if the Internal Market is "over-subscribed" for a particular Trade Date, meaning that there are more buy orders than sell orders. Since the inception of the Internal Market in 2000, the Internal Market has been under-subscribed on all Trade Dates but one.

CH2M may, but is not obligated to, purchase shares of common stock on the Internal Market on any Trade Date at the price in effect on that Trade Date, but only to the extent that the number of shares offered for sale by eligible employee stockholders exceeds the number of shares sought to be purchased by authorized buyers. The decision whether or not CH2M will purchase shares in the Internal Market, if the Internal Market is under-subscribed, is solely within the discretion of our management and Board of Directors, and we generally will not notify eligible employee stockholders as to whether or not we will participate prior to the Trade Date. Eligible employee stockholders should understand that there can be no assurance that they will be able to sell their stock without substantial delay or at all on the Internal Market. In making the determination as to whether to participate in an under-subscribed market on any trade date, CH2M's management and Board of Directors consider relevant factors in light of prevailing circumstances, including our financial condition and results of operations, our available cash and capital resources, including the limits that CH2M may spend on share repurchases and the borrowing capacity available pursuant to the terms of our Amended Credit Agreement and other sources of liquidity, limitations on repurchases contained in our Certificate of Designation, other contractual terms agreed to with any outside investor, expected current and future needs for cash to fund our operations, anticipated contingencies and other factors. Depending on prevailing circumstances, we may consider other factors from time to time in connection with the decision whether or not to participate in an under-subscribed market on any particular Trade Date.

If the aggregate number of shares offered for sale on the Internal Market on any Trade Date is greater than the number of shares sought to be purchased and CH2M's management and Board of Directors determine to limit the amount of money expended by CH2M to repurchase shares in the Internal Market, or not to participate in the Internal Market, sell orders submitted by eligible employee stockholders will be subject to proration or allocation, meaning that sell orders will be accepted as follows:

- *Proration*. If enough buy orders are received to purchase all the shares offered by each eligible employee stockholder who wants to sell fewer than 500 shares, which we refer to as the "proration threshold," and at least 500 shares from each

other seller, then all sell orders will be accepted up to the first 500 shares and the portion of any sell orders exceeding 500 shares will be accepted on a pro-rata basis. In other words, every eligible employee stockholder selling 500 or fewer shares would sell all of such shares, while eligible employee stockholders seeking to sell more than 500 shares would sell 500 shares plus a portion of the remainder of the shares they are offering. The proration threshold is subject to change at the discretion of our Board of Directors and any change to the proration threshold will be announced in advance of the Trade Date on which the change will take effect.

- *Allocation.* If not enough buy orders are received to give effect to the proration described above, then the purchase orders will be allocated equally to each seller. For example, if there are only enough buy orders to purchase up to 100 shares from every seller, then every seller will sell the same number (100) of shares (except eligible employee stockholders who want to sell fewer than 100 shares, who would sell the exact number of shares they specify in their sell orders) even though some sellers may be seeking to sell only 100 (or fewer) shares, while others are seeking to sell considerably more shares.

In any such case, all shares of common stock offered by any eligible employee stockholder for sale but not sold on that Trade Date would remain the property of the eligible employee stockholder and held in their name or applicable account and the eligible employee stockholder will have to submit a new sell order in order to sell such shares on a subsequent Trade Date.

CH2M experienced project losses and other adverse operating results in recent periods, which has constrained our cash flow and liquidity. In addition, CH2M's principal revolving credit facility included limitations on the amount CH2M may spend to repurchase its common stock in the Internal Market in connection with its employee stock ownership program up to \$75.0 million during the three quarter period ending March 31, 2017 and, thereafter, up to \$100.0 million during a rolling four quarter period less the amount of any legally required purchases of common stock held in benefit plans. Additionally, the covenants contained within CH2M's Certificate of Designation of the Series A Preferred Stock prohibit the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts. As a result of these factors and others, CH2M management and Board of Directors determined to participate only to a limited extent in the Internal Market during 2016.

For the March 2016 Trade Date, CH2M allocated an aggregate of \$26.4 million towards purchasing shares on such Trade Date, not including any legally required repurchases of shares held in benefit plan accounts and employee placed orders of \$4.9 million to purchase shares. The total funds available were less than the amount necessary to purchase all of the shares offered on the Internal Market for the March 2016 Trade Date, so eligible employee stockholders were subject to a cap equal to 500 shares, plus approximately 10% of the remaining shares in their order on the number of shares they could sell. For the June 2016 Trade Date, CH2M allocated an aggregate of \$25.0 million towards purchasing shares, not including any legally required repurchases and employee placed orders of \$3.2 million to purchase shares. The total funds available were less than the amount necessary to purchase all of the shares offered on the Internal Market for the June 2016 Trade Date, so eligible employee stockholders were subject to a cap equal to 500 shares, plus approximately 17% of the remaining shares in their order on the number of shares they could sell. For the September 2016 Trade Date, CH2M allocated \$10.0 million towards purchasing shares, not including any legally required repurchases and employee placed orders of \$3.4 million to purchase shares. The total funds available were less than the amount necessary to purchase all of the shares offered on the Internal Market for the September 2016 Trade Date, so eligible employee stockholders were subject to a cap equal to approximately 297 shares on the number of shares they could sell.

As disclosed in a Form 12b-25 filed with the Securities and Exchange Commission on November 15, 2016, CH2M delayed filing its Form 10-Q for the third fiscal quarter ended September 30, 2016 due to an Audit Committee investigation into potential accounting errors with respect to the timing and amount of certain project cost overruns reported in 2015. As a result of this delay, CH2M did not hold a Trade Date during the fourth quarter of 2016, and instead the Board of Directors determined to hold a Trade Date on February 10, 2017 following the filing of our Form 10-Q for the third fiscal quarter ended September 30, 2016 on January 20, 2017 with the Securities and Exchange Commission. For the February 2017 Trade Date, CH2M allocated an aggregate of \$10.0 million towards purchasing shares on such Trade Date, not including any legally required repurchases of shares held in benefit plan accounts and employees placed orders of \$5.0 million to purchase shares. The total funds available were less than the amount necessary to purchase all of the shares offered on the Internal Market for the February 2017 Trade Date, so eligible employee stockholders were subject to a 260 share cap on the number of shares they could sell.

In 2017, the Company will continue to have restrictions regarding how much it can spend to repurchase shares in the Internal Market. As noted above, CH2M's principal revolving credit facility limits the amount CH2M may spend to repurchase its common stock in the Internal Market to up to \$100.0 million during the rolling four quarter period beginning April 1, 2017, less the amount of

any legally required purchases of common stock held in benefit plans. Additionally, in 2017, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts determined by a formula based upon our "Free Cash Flow" or cash flow from operations, minus capital expenditures, for fiscal 2016. Our Free Cash Flow was negative for fiscal year 2016, and as a result, other than certain specified exemptions, the Company is prohibited from repurchasing shares of common stock in the Internal Market, except as legally required, unless it is able to obtain the consent of the holders of at least a majority of the Series A Preferred Stock. On January 17, 2017, the Company received from the Series A Preferred Stockholder, an acknowledgment and consent permitting the Company to spend up to \$25.0 million, in the aggregate, to repurchase shares of common stock in connection with legally required distributions and to participate as a buyer in the Internal Market on the February 2017 Trade Date. No assurance can be given that in the future the Company will be able to obtain an acknowledgment and consent from the Series A Preferred Stockholder permitting the Company to repurchase common stock in the internal market if such an acknowledgment and consent is required.

Regardless of any bank covenant or charter limitation, CH2M's management and Board of Directors could determine to limit the amount of money expended by CH2M to repurchase shares in the Internal Market, or not to participate in the Internal Market at all, either of which would result in proration of sell orders that stockholders may place for trades on the next Trade Date. In addition, CH2M's Board of Directors could determine to suspend trading on the Internal Market in order to provide time to evaluate the ability to adequately provide for proration and to conserve CH2M's cash reserves and available liquidity. Since the September 26, 2014 trade, CH2M has limited the amount expended to repurchase shares in the Internal Market. We expect that the amounts CH2M will be able to spend to repurchase shares in subsequent Trade Dates will continue to be restricted, and CH2M's Board of Directors and management anticipate that some sell orders will be only partially filled on such Trade Dates.

We may sell shares or impose limitations on the number of shares that an individual eligible employee stockholder may purchase if the Internal Market is over-subscribed. To the extent that the aggregate number of shares sought to be purchased exceeds the aggregate number of shares offered for sale, we may, but are not obligated to, sell authorized but unissued shares of common stock on the Internal Market at the price in effect on that Trade Date to satisfy purchase demands. The decision as to whether or not we will sell shares in the Internal Market, if the Internal Market is over-subscribed, is solely within our discretion, and we will not notify eligible employee stockholders as to whether or not we will participate prior to the Trade Date. Eligible employee stockholders should understand that there can be no assurance that they will be able to buy as many shares as they would like on a given Trade Date. We will consider a variety of factors in making the determination as to whether to participate in an over-subscribed market. Since the inception of the Internal Market in 2000, however, the Internal Market has been under-subscribed on all Trade Dates but one.

If the aggregate purchase orders exceed the number of shares of our common stock available for sale in the Internal Market on any Trade Date and a determination is made that CH2M will not issue additional shares to satisfy the excess purchase orders, the following prospective purchasers will have priority to purchase shares, in the order listed:

- Administrator of the PDSPP;
- Trustees of the 401(k) Plan; and
- Internal Market participants on a pro-rata basis (including purchases through pre-tax and after-tax deferred compensation plans).

All eligible employee stockholders who desire to sell their stock upon retirement must do so in accordance with the rules governing the Internal Market. In addition, our Articles of Incorporation and Bylaws, as well as the terms of the 401(k) Plan, permit us to allow retired and other former employees to continue to hold the common stock they own after leaving. The Board of Directors has determined that former employees are permitted to continue to hold common stock after separation, although the Board of Directors has the discretion to change or modify this policy at any time.

Price of our Common Stock

The price of CH2M common stock is established by the Board of Directors for each Trade Date based on a company fair valuation methodology described in the CH2M Prospectus, dated March 23, 2010 (the "Prospectus"), as filed with the SEC, as amended by the information contained in the subsequent annual, quarterly and current reports filed by CH2M with the SEC pursuant

to the Securities Exchange Act of 1934. The valuation methodology used by the Board of Directors includes the following valuation formula ("Stock Valuation Formula"):

$$\text{Share Price} = [(7.8 \times M \times P) + (SE)] / CS$$

As further discussed below, the Stock Valuation Formula is one of several factors considered by the Board of Directors as part of the total mix of information available to determine the fair value of CH2M common stock.

In order to determine the fair value of the common stock in the absence of a public trading market, our Board of Directors felt it appropriate to develop a valuation methodology to use as a tool to determine a price that would be a valid approximation of the fair value. In determining the fair value stock price, our Board of Directors believes that the use of a going concern component (i.e., net income, which we call profit after tax, as adjusted by the market factor) and a book value component (i.e., total stockholders' equity) is a reasonable valuation process based on factors that are generally used in the valuation of equity securities. As part of the total mix of information that our Board of Directors considers in determining the fair value of our common stock in addition to the Stock Valuation Formula, our Board of Directors reviews company appraisal information prepared by independent third party valuation experts and other available information. The valuation methodology used to determine the stock price is subject to change at the discretion of our Board of Directors, as described below.

The existence of an over-subscribed or under-subscribed market on any given Trade Date will not affect the stock price on that Trade Date. However, our Board of Directors, when determining the stock price for a future Trade Date, may take into account the fact that there have been under-subscribed or over-subscribed markets on prior Trade Dates.

Market Factor ("M"). "M" is the market factor, which is subjectively determined in the sole discretion of our Board of Directors. A market factor greater than one increases the price per share, while a market factor less than one would decrease the price per share. In determining the market factor, our Board of Directors takes into account factors it considers to be relevant in determining the fair value of our common stock, including:

- The market for publicly traded equity securities of companies comparable to us;
- The merger and acquisition market for companies comparable to us;
- The prospects for our future performance, including our financial condition and results of operations;
- General economic conditions;
- General capital market conditions; and,
- Other factors our Board of Directors deem appropriate.

Our Board of Directors has not assigned predetermined weights to the various factors it may consider in determining the market factor.

In its discretion, our Board of Directors may change the market factor used in the valuation process from time-to-time. Our Board of Directors could change the market factor, for example, following a change in general market conditions that either increased or decreased stock market equity values for companies comparable to us, if our Board of Directors felt that the market change was applicable to our common stock as well. The Board may consider adjusting the "M" factor in future periods to enable the stock price formula to better reflect the fair value of CH2M, including expectations for the future performance of CH2M as well as any other factors as described above.

As part of the total mix of information that our Board of Directors considers in determining the "M" factor, our Board of Directors also may take into account company appraisal information prepared by independent valuation experts. In setting the common stock price, our Board of Directors compares the total of the going concern and book value components used in the valuation methodology to the enterprise value of CH2M in the appraisal provided by the independent valuation experts. If our Board of Directors concludes that its initial determination of the "M" factor should be re-examined, our Board of Directors may review, and if appropriate, adjust the "M" factor. Since the inception of the Internal Market program on January 1, 2000, the total of the going concern and book value components used by our Board of Directors in setting the price for our common stock has always been within the enterprise appraisal range provided quarterly by the independent valuation experts.

Profit After Tax ("P"). "P" is profit after tax, otherwise referred to as net income, for the four fiscal quarters immediately preceding the Trade Date. Our Board of Directors, at its discretion, may exclude nonrecurring or unusual transactions from the

calculation. Nonrecurring or unusual transactions are developments that the market would not generally take into account in valuing an equity security. A change in accounting rules, for example, could increase or decrease net income without changing the fair value of our common stock. Similarly, such a change could fail to have an immediate impact on the value of our common stock, but still have an impact on the value of our common stock over time. Our Board of Directors believes that in order to determine the fair value of our common stock, it is important for the Board of Directors to have the ability to review unusual or one-time events that affect net income. For example, in 2016 there was a one-time, non-cash tax benefit related to the redesign of one of our defined benefit plans in the United Kingdom. Additionally, results related to our Power EPC business are excluded as CH2M chose to exit the business in 2014, and inclusion of Power EPC results do not accurately reflect the profitability or value of CH2M's continuing operations. In 2016, there were also certain restructuring activities which resulted in recording non-cash charges for restructuring activities and recognizing a cash restructuring charge related primarily to severance costs, as well as reductions to reported earnings as a result of the recognition of certain non-cash depreciation and amortization charges relating to acquisitions. The reasons for, and effects of, these charges and reductions of our reported earnings are discussed in further detail in this Annual Report under *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations*. The Board of Directors concluded that these charges are among the types of cash and non-cash charges that would generally not be taken into account by the market in valuing an equity security. Therefore, the Board of Directors decided to exclude these charges from the "P" (profit after tax) parameter for stock valuation purposes during the relevant periods and expects to treat similar charges and costs in future periods in the same manner. Because "P" is calculated on a four quarter basis, an exclusion impacts the calculation of fair value for four consecutive quarters. Our Board of Directors may determine to exclude other future unusual or non-recurring items from the calculation of "P".

Total Stockholders' Equity ("SE"). "SE" is CH2M's total stockholders' equity, which includes intangible items, as set forth on our most recent available quarterly or annual financial statements. Our Board of Directors, at its discretion, may exclude from the stockholders' equity parameter nonrecurring or unusual transactions that the market would not generally take into account in valuing an equity security. The exclusions from stockholders' equity will generally be those transactions that are non-cash and are reported as "accumulated other comprehensive income (loss)" on the face of our consolidated balance sheet. For example, our Board of Directors excluded, and will continue to exclude, a non-cash adjustment to stockholders' equity related to the accounting for our defined benefit pension and other postretirement plans. Because this adjustment is unusual and will fluctuate from period to period, our Board of Directors exclude it from the "SE" parameter for stock valuation purposes. Similarly, other items that are reported as components of "accumulated other comprehensive income (loss)" and non-controlling interests are excluded from "SE" and include items such as unrealized gains/losses on securities and foreign currency translation adjustments.

Common Stock Outstanding ("CS"). "CS" is the weighted-average number of shares of our common stock outstanding during the four fiscal quarters immediately preceding the Trade Date, calculated on a fully-diluted basis. By "fully-diluted" we mean that the calculations are made as if all outstanding options to purchase our common stock had been exercised and other "dilutive" securities, such as our Series A Preferred Stock, were converted into shares of our common stock. In addition, an estimate of the weighted-average number of shares that we reasonably anticipate will be issued under our stock-based compensation programs and employee benefit plans is included in this calculation. For example, we include in CS as calculated an estimate of the weighted-average number of shares that we reasonably anticipate will be issued during the next four quarters under our stock-based compensation programs and employee benefit plans in this calculation. We include an estimate of the weighted-average number of shares that we reasonably anticipate will be issued during the next four quarters because we have more than a 30-year history in making annual grants of stock-based compensation. Therefore, we believe that we have sufficient information to reasonably estimate the number of such "to be issued" shares. This approach avoids an artificial variance in share value during the first calendar quarter of each year when the bulk of shares of our common stock are issued by us pursuant to our stock-based compensation programs. Similarly, if we make a substantial issuance of shares during the four fiscal quarters immediately preceding the Trade Date, using the weighted average of those shares may create an inappropriate variance in share value during the four fiscal quarters following the issuance. For example, if we use shares as all or part of the consideration for the acquisition of a business, the time-weighted average number of shares issued in the acquisition transaction would not match the impact of the transaction reflected in total stockholders' equity (or "SE") as described above. Therefore, in the discretion of the Board of Directors, a substantial issuance of shares during the four-quarter period used to calculate CS for each Trade Date may be treated as having been issued at the beginning of such four-quarter period. As a result, our Board of Directors may determine, in its discretion, to adjust the weighted-average number of shares to reflect in an appropriate manner the impact of past or anticipated future issuances.

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The following table shows a comparison of the "CS" value actually used by our Board of Directors to calculate common stock prices on the dates indicated versus the year-to-date weighted-average number of shares of common stock as reflected in the diluted earnings per share calculation in our financial statements for the past three years.

Effective Date	CS (in thousands)	YTD Weighted - Average Number of Shares as reflected in Diluted EPS calculation (in thousands)
February 14, 2014	30,502	29,890
May 16, 2014	30,242	28,809
August 15, 2014	29,892	28,976
November 24, 2014	29,470	28,429
February 20, 2015	28,980	28,257
May 7, 2015	28,465	27,386
August 3, 2015	31,270	27,383
November 2, 2015	31,918	28,717
February 22, 2016	31,702	27,181
May 2, 2016	31,482	26,507
August 1, 2016	33,111	26,065
January 19, 2017	32,622	25,817
March 6, 2017	32,173	25,732

Constant 7.8. In the course of developing this valuation methodology, it became apparent to our Board of Directors that a multiple would be required in order for the common stock price derived by this methodology to approximate our historical, pre-Internal Market common stock price. Another objective of our Board of Directors when developing the valuation methodology was to establish the fair value of our common stock using a market factor of 1.0. We believe that it was important to begin the Internal Market program with an "M" factor equal to 1.0 in order to make it easier for stockholders to understand future changes, if any, to the market factor.

Therefore, the constant 7.8 was introduced into the formula. The constant 7.8 is the multiple that our Board of Directors determined necessary (i) for the new stock price to approximate our historical stock price derived using the pre-Internal Market formula as well as (ii) to allow the use of the market factor of 1.0 at the beginning of the Internal Market program.

We generally announce the new stock price and the Trade Date approximately four weeks prior to each Trade Date. The broker, currently NTB, will deliver the information to all employees and eligible participants in the internal market. In addition, we will file a Current Report on Form 8-K disclosing the new stock price and all components used by our Board of Directors in determining such price in accordance with the valuation methodology described above.

We will also make the most current prospectus for our common stock and our audited annual financial statements available to all stockholders, as well as other employees, and to participants in the Internal Market through the employee benefit plans. Such information will be made available at the same time as our annual reports and proxy information.

Current Price of Our Common Stock

Starting in 2000, with the introduction of the Internal Market and its quarterly trades, our Board of Directors reviews the common stock price prior to each Trade Date using the valuation methodology described above to set the price for the common stock.

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The prices of our common stock for the past three years, along with the various factors and values used by our Board of Directors to determine such stock prices on each date, are as follows:

Effective Date	M	P (in thousands)	SE (in thousands)	CS (in thousands)	Price Per Share	Percentage Price Increase (Decrease)
February 14, 2014	1.2	\$ 144,682	\$ 763,383	30,502	\$ 69.43	12.4 %
May 16, 2014	1.2	\$ 131,486	\$ 729,888	30,242	\$ 64.83	(6.6)%
August 15, 2014	1.2	\$ 117,630	\$ 698,369	29,892	\$ 60.20	(7.1)%
November 24, 2014	1.2	\$ 84,307	\$ 564,545	29,470	\$ 45.93	(23.7)%
February 20, 2015	1.2	\$ 96,361	\$ 485,115	28,980	\$ 47.86	4.2 %
May 7, 2015	1.2	\$ 101,314	\$ 507,560	28,465	\$ 51.14	6.9 %
August 3, 2015	1.2	\$ 110,060	\$ 713,237	31,270	\$ 55.75	9.0 %
November 2, 2015	1.2	\$ 153,652	\$ 728,232	31,918	\$ 67.87	21.7 %
February 22, 2016	1.2	\$ 139,622	\$ 686,890	31,702	\$ 62.89	(7.3)%
May 2, 2016	1.2	\$ 131,724	\$ 684,531	31,482	\$ 60.91	(3.1)%
August 1, 2016	1.2	\$ 110,648	\$ 693,619	33,111	\$ 52.23	(14.3)%
January 19, 2017	1.2	\$ 88,288	\$ 701,729	32,622	\$ 46.83	(10.3)%
March 6, 2017	1.2	\$ 93,446	\$ 756,124	32,173	\$ 50.69	8.2 %

Holders of Our Common Stock

As of March 3, 2017, there were 7,242 holders of record of our common stock. As of such date, all of our common stock of record was owned by our current and retired employees, former employees, directors, and by our various employee benefit plans. Common stock is held in a trust for each of our employee benefit plans and each trust is considered one holder of record of our common stock.

Holder of Our Preferred Stock

As of March 3, 2017, there was one holder of record of our Series A Preferred Stock. As of such date, all of our preferred stock of record was owned by a subsidiary owned by investment funds affiliated with Apollo Global Management, LLC together with its subsidiaries, "Apollo". Refer to *Note 3 – Preferred Stock Issuance* of this Annual Report on Form 10-K for additional information related to the preferred stock.

Dividend Policy

We have never declared or paid any cash dividends on our common stock and no cash dividends are contemplated on our common stock in the foreseeable future. If we declare certain dividends on our common stock, we will be required to declare and pay a dividend on the outstanding shares of our Series A Preferred Stock on a pro rata basis with the common stock, determined on an as-converted basis. In addition, the Amended Credit Agreement limits our ability to declare and pay dividends, subject to compliance with the financial covenants and other restrictions set forth therein.

Issuer Purchases of Equity Securities

The following table covers the purchases of our securities by CH2M during the quarter ended December 30, 2016:

Period	Total Number of Shares	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number of Shares that May Yet Be Purchased Under the Plans or Programs
October (a)	3,394	\$ 52.23	—	—
November	—	—	—	—
December (b)	6,278	\$ 52.23	—	—
Total	9,672	\$ 52.23	—	—

(a) Shares purchased by CH2M from terminated employees.

(b) Minimum required distributions of CH2M shares from our 401(k) Plan.

Item 6. Selected Financial Data

The selected financial data presented below under the captions "Selected Statement of Operations Data" and "Selected Balance Sheet Data" for, and as of the end of, each of the years in the five-year period ended December 30, 2016, are derived from the consolidated financial statements of CH2M HILL Companies, Ltd. and subsidiaries, which have been audited by KPMG LLP, an independent registered public accounting firm. The consolidated financial statements as of December 30, 2016 and December 25, 2015, and for each of the years in the three-year period ended December 30, 2016, and the report thereon of KPMG LLP, are included in Item 15. *Exhibits and Financial Statement Schedules* of this Annual Report on Form 10-K. The following information should be read in conjunction with Item 7. *Management's Discussion and Analysis of Financial Condition and Results of Operations* and the consolidated financial statements and related notes thereto.

(\$ in millions, except per share data)	Years Ended				
	December 30, 2016	December 25, 2015	December 31, 2014	December 31, 2013	December 31, 2012
Selected Statement of Operations Data:					
Revenue	\$ 5,235.9	\$ 5,361.5	\$ 5,413.5	\$ 5,877.8	\$ 6,160.6
Operating (loss) income	(240.1)(b)	134.8	(341.6)(d)	192.4	158.8
Net income (loss) attributable to CH2M	15.0 (b)	80.4	(181.5)(d)	118.3	93.0
Net income (loss) attributable to CH2M per common share:					
Basic	\$ 0.03	\$ 2.62	\$ (6.42)	\$ 4.00	\$ 2.99
Diluted	\$ 0.03	\$ 2.61	\$ (6.42)	\$ 3.96	\$ 2.95
Selected Balance Sheet Data:					
Total assets	\$ 2,670.5	\$ 2,861.3	\$ 2,941.3	\$ 3,056.4	\$ 3,114.6
Long-term debt, including current maturities (a)	497.9	301.7	513.0	391.1	252.3
Total CH2M stockholders' equity	546.7 (c)	412.2	212.8 (e)	624.4	603.7

- (a) Substantially all of our long-term debt relates to our revolving credit facility. Borrowings on this facility are primarily used for working capital needs, required pension contributions and funds to repurchase shares on our internal market.
- (b) The operating loss primarily was caused by estimated project losses and costs incurred for restructuring activities in 2016. The operating loss was offset by the release of a significant tax valuation allowance for an existing deferred tax asset related to the Halcrow Pension Scheme benefit restructuring as well as project losses attributable to noncontrolling interests resulting in net income attributable to CH2M.
- (c) The increase in stockholders' equity primarily relates to the change in accumulated other comprehensive income due to the Halcrow Pension Scheme benefit restructuring.
- (d) The primary cause for the operating loss income and net loss attributable to CH2M relates to estimated project losses, impairment charges, and costs incurred for restructuring activities in 2014.
- (e) The decrease in stockholders' equity is related to the consolidated net loss incurred in 2014, shares repurchases and changes

in assumptions that increased pension liabilities that are included in accumulated other comprehensive income.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Business Summary

Founded in 1946, we are a large employee-controlled professional engineering services firm providing engineering, construction, consulting, design, design-build, procurement, operations and maintenance, EPC, program management and technical services around the world. We have approximately 20,000 employees worldwide inclusive of craft and hourly employees as well as employees in our consolidated joint ventures.

We provide services to a diverse customer base including the U.S. federal and foreign governments and governmental authorities; provincial, state and local municipal governments and agencies; universities; and private sector industries. We believe we provide our clients with innovative project delivery using cost-effective approaches and advanced technologies.

Our revenue is dependent upon our ability to attract and retain qualified and productive employees, identify business opportunities, allocate our labor resources to profitable markets, secure new contracts, execute existing contracts, and maintain existing client relationships. Moreover, as a professional services company, the quality of the work generated by our employees is integral to our revenue generation.

Private Equity Investor

On June 22, 2015, the Company designated 10,000,000 shares as Series A Preferred Stock with an original issue price of \$62.22 under the Certificate of Designation. On June 24, 2015, the Company sold and issued an aggregate of 3,214,400 shares of Series A Preferred Stock for an aggregate purchase price of \$200.0 million in a private placement to a subsidiary owned by investment funds affiliated with Apollo Global Management, LLC (together with its subsidiaries, "Apollo"). Total proceeds from the preferred stock offering were \$191.7 million, net of issuance costs of \$8.3 million. The sale occurred in connection with the initial closing pursuant to the Subscription Agreement entered into by the Company and Apollo on May 27, 2015 ("Subscription Agreement").

On April 11, 2016, pursuant to the Subscription Agreement, we sold and issued in a second closing an aggregate of 1,607,200 shares of Series A Preferred Stock to Apollo at a price of \$62.22 per share for an aggregate purchase price of approximately \$100.0 million in a private placement. Total proceeds from the preferred stock offering were \$99.8 million, net of issuance costs of \$0.2 million.

Under our agreement with Apollo, the Company's maximum consolidated leverage ratio is 3.00x for 2016 and beyond, consistent with our Amended Credit Agreement. As of December 30, 2016, we were in compliance with this covenant. Management continually assesses its potential future compliance with the consolidated leverage ratio covenant based on estimates of future earnings and cash flows. If there is an expected possibility on non-compliance, we will discuss possibilities with Apollo to modify the covenant consistent with discussions with the Company's lenders or utilize other means of capitalizing the Company to anticipate or remedy any non-compliance. The expected cash outflows required to fund the project losses discussed in Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K and the related impact on earnings will put a financial strain on the Company that may require an amendment or other remedies to be pursued by management if certain earnings estimates or cash flow improvement initiatives are not achieved or if required to facilitate restructuring plans.

Additionally, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts in 2015 and 2016, and in excess of amounts determined by a negotiated formula in 2017 and beyond. In 2017, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts determined by a formula based upon our "Free Cash Flow" or our cash flow from operations, minus capital expenditures, for fiscal year 2016. Our Free Cash Flow was negative for the year ended December 30, 2016, and as a result, other than certain specified exemptions, the Company is prohibited from repurchasing shares of common stock in the internal market, except as legally required, in the year ending December 29, 2017 unless it is able to obtain the consent of the holders of at least a majority of the Series A Preferred Stock. On January 17, 2017, the Company received from the Series A Preferred Stock holder, an acknowledgment and consent permitting the Company to spend up to \$25.0 million, in the aggregate, to repurchase shares of common stock in the first trade of 2017. No assurance can be given that in the future the Company will be able to obtain an acknowledgment and consent from the Series A

Preferred Stockholder permitting the Company to repurchase common stock in the internal market.

For a summary of the terms and conditions of the Series A Preferred Stock, see Note 3 – *Preferred Stock Issuance* of the consolidated financial statements.

Defined Benefit Plans

During the year ended December 30, 2016, the Company adopted an amendment for one of our United States defined benefit plans, the CH2M HILL OMI Retirement Plan OMI Plan, to freeze future pay and benefit service accruals beginning in 2017 for non-union participants, resulting a gain on curtailment of \$4.6 million. There was also an additional gain of \$1.2 million due to settlements within several small defined benefit pension plans in the Middle East during the year ended December 30, 2016.

On October 4, 2016, Halcrow Group Limited (“HGL”), a subsidiary of CH2M, effected a transaction to restructure the benefits provided to members of the Halcrow Pension Scheme (“HPS”), a defined benefit plan sponsored by HGL, by providing each member with the option to transfer his or her benefits in the HPS to a new pension scheme, which is also sponsored by HGL (“HPS2”). Alternatively, members had the option to remain in the HPS which will enter the Pension Protection Fund (“PPF”) under a regulated apportionment arrangement. The new scheme, HPS2, provides benefits that are better than the compensation that would otherwise be paid by the PPF if a member chose to join the PPF rather than HPS2. The PPF was created by the United Kingdom Pensions Act 2004 to provide compensation to members of eligible defined benefit pension schemes when an employer of the scheme can no longer support the pension scheme. A member that transferred to HPS2 will receive substantially similar benefits to those in the HPS, except that annual increases and revaluation of benefits are reduced to statutory levels. A pension scheme member of the HPS that elected to transfer to the new scheme also received a one-time uplift to benefits of either 1.0% or 2.5%. The Pension Regulator, which is the United Kingdom’s executive body that regulates work-based pension schemes, and the PPF provided necessary regulatory approvals for the transaction to restructure the HPS benefits.

As a result of the transaction described above, HGL ceased to have any further obligations to the HPS on October 4, 2016. All members who consented to transfer to HPS2 were transferred on October 5, 2016. Members who agreed to transfer to the new scheme account for 96.6% of the HPS’ liabilities and a broadly equivalent proportion of the HPS’ assets have transferred to the new scheme, as well as 20% of HGL’s equity issued as part of the transaction. Those members who remained in the HPS began the process of transferring to the PPF during the fourth quarter of 2016 along with the assets that remain in the HPS, as well as 5% of HGL’s equity issued as part of the transaction.

Additionally, in connection with the transaction, CH2M issued a £50.0 million, approximately \$65.0 million, parent company guarantee to support HPS2 and funded £80.0 million, approximately \$104.0 million, to be allocated between HPS2 and the PPF based on the proportion of the HPS’ members that transferred to HPS2. As discussed in more detail in the *Income Taxes* section below, we also removed a HGL valuation allowance, generating a benefit of approximately \$65.0 million in the year ended December 30, 2016. As a result of the transaction on October 4, 2016, our overall pension liability was reduced by approximately \$228.9 million.

For additional details regarding our defined benefit pension plans, see Note 16 – *Employee Retirement Plans* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K.

Restructuring Plans

2016 Restructuring Plan. During the third quarter of 2016, the Company began a process to review the structure and resources within its business segments and formulate a restructuring plan to more fully align global operations with the Company’s client-centric strategy, including a simplified organization structure and streamlined delivery model to achieve higher levels of profitable growth (“2016 Restructuring Plan”). The restructuring activities include such items as workforce reductions and facilities consolidations. During the year ended December 30, 2016, we incurred \$42.2 million of costs for these restructuring activities related to the 2016 Restructuring Plan, which have been included in selling, general and administration expense on the consolidated statements of operations. Overall, we expect to incur up to approximately \$50.0 million to \$70.0 million in total restructuring charges under the 2016 Restructuring Plan, primarily related to employee severance and termination benefits and facilities consolidation costs. We expect the 2016 Restructuring Plan to be completed in the first half of 2017 and to result in aggregate annual cost savings of approximately \$100.0 million.

2014 Restructuring Plan. During the third quarter of 2014, the Company commenced certain restructuring activities in order to achieve important business objectives, including reducing overhead costs, improving efficiency, and reducing risk ("2014 Restructuring Plan"). These restructuring activities, which continued into 2015, included such items as a voluntary retirement program, workforce reductions, facilities consolidations and closures, and evaluation of certain lines of business. For the years ended December 25, 2015 and December 31, 2014, we incurred \$60.6 million and \$70.4 million, respectively, of costs for these restructuring activities which have been included in selling, general and administration expense on the consolidated statements of operations. The restructuring activities under the 2014 Restructuring Plan were substantially complete as of December 25, 2015.

The Company's overall overhead cost structure has benefited from the restructuring activities as described in the *Results of Operations* section below through the reduction of costs within the corporate overhead functions as well as overhead costs within the business segments themselves. A portion of these costs savings has been offset by the charges incurred in the years ended December 30, 2016 and December 25, 2015.

Acquisitions

We continuously monitor acquisition and investment opportunities that will expand our portfolio of services, provide local resources internationally to serve our customers, and add value to the projects undertaken for clients. On September 6, 2016, we acquired a controlling interest in one of our joint ventures for consideration of \$6.3 million, \$2.1 million net of cash acquired, resulting in a gain of \$15.0 million on the fair value remeasurement of the original equity method investment recorded in equity in earnings of joint ventures and affiliated companies and \$31.3 million of goodwill.

On April 4, 2014, we acquired certain agreed upon assets and liabilities of TERA Environmental Consultants ("TERA") for consideration of \$119.6 million. TERA was an employee-owned environmental consulting firm headquartered in Canada specializing in providing environmental assessment, planning, siting, permitting, licensing, and related services for the pipeline, electrical transmission, and oil and gas industries.

Summary of Operations

In the first quarter of 2016, we implemented certain organizational changes, including the reorganization of our internal reporting structure to better facilitate our strategy for growth and operational efficiency. In connection with this refinement, we discontinued our former Industrial and Urban Environments ("IUE") business group as a standalone unit, and we combined its industrial and advanced technology business with our Oil, Gas and Chemicals business group to form the Energy and Industrial business group. Additionally, our urban environments and sports business which was formerly within IUE was combined with our Water business group. Our Power EPC business continues to be monitored as a separate operating segment as we exit the fixed-price Power EPC business. As a result of this reorganization, we identified our four business groups, which include Energy and Industrial, Environment and Nuclear, Transportation, and Water, as well as our Power EPC business as reportable operating segments.

Costs for corporate general and administrative expenses, restructuring costs and amortization expense related to intangible assets have been allocated to each segment based on the estimated benefits provided by corporate functions. This allocation is primarily based upon metrics that reflect the proportionate volume of project-related activity and employee labor costs within each segment. Prior year amounts have been revised to conform to the current year presentation.

During the third quarter of 2016, the Company began the process of assessing and modifying its current operating structure to more fully align global operations with the Company's client-centric strategy and to streamline its delivery model to achieve higher levels of profitable growth. The transformation became operational in the first quarter of 2017. We expect to revise our segments in 2017 as a result of the modified operating structure.

Results of Operations for the Year Ended December 30, 2016 Compared to December 25, 2015

On a consolidated basis, our gross revenue decreased by \$125.6 million, or 2%, for the year ended December 30, 2016 as compared to the year ended December 25, 2015. Our consolidated results of operations decreased \$374.9 million to an operating loss of \$240.1 million for the year ended December 30, 2016 as compared to the operating income of \$134.8 million for the year ended December 25, 2015. The following table summarizes our results of operation by segment for the year ended December 30, 2016 as compared to the year ended December 25, 2015:

(\$ in thousands)	Years Ended					
	December 30, 2016		December 25, 2015		Change	
	Gross Revenue	Operating Income (Loss)	Gross Revenue	Operating Income (Loss)	Gross Revenue	Operating Income (Loss)
Energy and Industrial	\$ 860,897	\$ (8,952)	\$ 1,148,475	\$ 22,833	\$ (287,578)	\$ (31,785)
Environmental and Nuclear	2,213,709	82,866	1,663,523	77,145	550,186	5,721
Transportation	930,877	(115,139)	973,916	(62,892)	(43,039)	(52,247)
Water	1,190,184	93,289	1,363,867	93,318	(173,683)	(29)
Power EPC	40,277	(292,168)	211,724	4,437	(171,447)	(296,605)
Total	\$ 5,235,944	\$ (240,104)	\$ 5,361,505	\$ 134,841	\$ (125,561)	\$ (374,945)

Energy and Industrial

Energy and Industrial had a \$287.6 million, or 25%, decrease in revenue for the year ended December 30, 2016 as compared to the year ended December 25, 2015. The decline in gross revenue was predominantly caused by reductions in volume and client concessions on direct hire construction, operations and maintenance, program management and professional services projects primarily within the U.S., United Arab Emirates and Mexico as a result of continued commodity pricing pressures within the oil and gas industry. Additionally, revenue decreased \$82.9 million due to the substantial completion of a large construction project in Alaska in the second quarter of 2016, which was not replaced with a similar project due to the continued pricing pressures within the oil and gas industry. Within the industrial and advanced technology business, gross revenue decreased by approximately \$26.2 million due to scope reductions and lower activity in 2016 on several large, domestic operations and maintenance projects, which was partially offset by increased volume of consulting services.

Energy and Industrial income from operations decreased by \$31.8 million for the year ended December 30, 2016 as compared to the year ended December 25, 2015. The decrease was primarily related to the reduction in project volume and client concessions due to the pressures in the oil and gas industry as well as the scope reductions and lower activity on several large, domestic operations and maintenance projects within the industrial and advanced technology business as discussed above. The decreased results from operations were partially offset by reduced selling, general and administrative costs for the year ended December 30, 2016 as compared to the year ended December 25, 2015 primarily due to efficiencies gained from the various restructuring plans and decreased business development costs consistent with reduced opportunities in the depressed oil and gas industry as well as additional earnings from the increased volume of consulting services within the industrial and advanced technology business.

Environment and Nuclear

Environment and Nuclear revenue increased \$550.2 million, or 33%, for the year ended December 30, 2016 as compared to the year ended December 25, 2015. Revenue increased by approximately \$475.3 million due to a large nuclear project in a consolidated Canadian joint venture which began operations in late 2015. Of this increase, approximately \$51.7 million was a result of the nuclear project eliminating a previously existing one-month reporting lag during the third quarter of 2016, which had been required to achieve a timely consolidation. Additionally, there was an increase in revenue of approximately \$29.0 million related to a large nuclear remediation project in the U.S. which ramped up in the fourth quarter of 2016. The remaining increase in revenue was driven by higher volumes of environmental activity within the U.S. federal business sector and overall higher volumes of nuclear projects. These increases in revenue were partially offset by decreased volume in the environmental business related to oil and gas clients as a result of continued commodity pricing pressures in the oil and gas industry.

For the year ended December 30, 2016 as compared to the year ended December 25, 2015, Environment and Nuclear operating income increased \$5.7 million, or 7%. The increase in operating income during the year ended December 30, 2016 related to improvements in overhead costs as a result of efficiencies gained from the various restructuring plans, decreased business

development costs, and increased earnings related to the consolidated Canadian joint venture, which were partially offset by decreased volume in the environmental business related to oil and gas clients as a result of continued commodity pricing pressures in the oil and gas industry. Due to market conditions and the overall nature of the work, profit margin on the Canadian joint venture as well as the U.S. nuclear remediation project are somewhat lower than on other projects in the Environment and Nuclear portfolio. Consequently, operating income was not more significantly impacted by these projects.

Transportation

Transportation revenue decreased \$43.0 million, or 4%, in the year ended December 30, 2016 as compared to the year ended December 25, 2015. The decrease was primarily caused by lower revenue on our fixed-price Transportation contract to design and construct roadway improvements on an expressway in the southwestern United States, lower revenue in our Middle East Transportation businesses, as well as the negative effects of a weaker British Pound related to our Transportation consulting business in the United Kingdom. Additionally, revenue declined approximately \$6.3 million as a result of reserving against outstanding accounts receivable on a firm-fixed price roadway project in Latin America during the year ended December 30, 2016.

Transportation operating loss increased \$52.2 million for the year ended December 30, 2016 as compared to the year ended December 25, 2015. The increased operating loss was predominantly caused by cost growth resulting in changes in estimated costs of \$121.3 million to complete a fixed-price Transportation contract to design and construct roadway improvements on an expressway in the southwestern United States in the year ended December 30, 2016 as compared to the \$93.6 million cost growth in the year ended December 25, 2015. Refer to Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K for additional detail. While management believes that it has recorded an appropriate provision to complete this project, we may incur additional costs and losses if our cost estimation processes identify new costs not previously included in our total estimated loss. These possible cost increases include extensions of the schedule to complete the job, lower than expected productivity levels, and performance issues with our subcontractors. These potential changes in estimates could be materially adverse to the Company's results of operations, cash flow or liquidity. The remaining increased operating loss was primarily driven by the negative effects of the weaker British Pound related to our Transportation consulting business in the United Kingdom as well as the \$6.3 million reserve against outstanding accounts receivable on the firm-fixed price roadway project in Latin America in 2016.

Water

Water revenue decreased \$173.7 million, or 13%, for the year ended December 30, 2016 as compared to the year ended December 25, 2015. Approximately \$134.7 million of the decline in revenue was attributable to decreased activity on two design-build-operate contracts for water treatment facilities in the western United States as the projects approach completion and the completion of a program management project in the Middle East. Revenue also decreased by approximately \$16.9 million related to reduced activity on a large program management project in the Middle East within the urban environments and sports industry. Additionally, revenue declined due to reduced activity on projects related to the oil and gas industry as well as projects in Puerto Rico related to the country's constrained spending due to its economic challenges. These decreases in revenue were partially offset by increased volume of consulting services in the U.S. and United Kingdom, however revenue from our Water consulting business in the United Kingdom was negatively impacted by the effects of a weaker British Pound.

Water's operating income remained relatively flat in the year ended December 30, 2016 as compared to the year ended December 25, 2015. There was a \$14.6 million decrease in earnings related to the water and urban environment and sports projects which experienced reductions in revenue as discussed above, with additional declines caused by a reduction in project volume within Puerto Rico due to the country's economic challenges. These declines in earnings were offset by improvements in overhead costs related to restructuring activities as well as improvements in operating margin due to the increased ratio of high-margin consulting projects to low-margin design-build projects within the Water business portfolio in the year ended December 30, 2016 as compared to the year ended December 25, 2015. Additionally, we acquired a controlling interest in one of our joint ventures which primarily operates in the water and urban environment and sports businesses, resulting in a fair value remeasurement gain of \$15.0 million of the original equity method investment, of which \$11.3 million was included within Water's equity in earnings of joint ventures and affiliated companies.

Power EPC

Power EPC revenues decreased \$171.4 million for the year ended December 30, 2016 as compared to the year ended December 25, 2015. The revenues generated within our Power EPC segment are primarily related to our fixed-price EPC project in Australia being executed through a consolidated joint venture consortium with an Australian construction contractor and a major U.S.-based gas power technology manufacturer (the "Consortium") to engineer, procure, construct and start-up a combined cycle power plant that will supply power to a large liquefied natural gas facility. While the level of activity has remained fairly consistent from period to period, revenues have decreased as a result of the estimated costs to complete this project increasing significantly in the year ended December 30, 2016, which resulted in a reduction of revenue based on the percentage-of-completion method for accounting purposes.

For the year ended December 30, 2016 as compared to the year ended December 25, 2015, Power EPC's operating income decreased by \$296.6 million primarily as a result of cost growth on our Australian fixed-price Power EPC resulting in changes in estimated costs to complete of \$301.5 million during the year ended December 30, 2016. Refer to Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K for additional details. This decrease was partially offset by a partial recovery of previously disputed charges on a fixed-price Power contract to design and construct a new power generation facility in the northeastern United States which was substantially completed in 2015.

On January 24, 2017, the Consortium terminated its contract with its client the general contractor, JKC Australia LNG Pty (the "Contractor") on the grounds that the Contractor had by its actions repudiated the contract. The Contractor has claimed that the Consortium's termination was not valid. The Consortium, which includes the consolidated Australian joint venture partnership, expects to file arbitration claims against the Contractor during the first half of 2017, and anticipates that the Contractor will file counter claims. We expect a lengthy, multi-year arbitration process and at this time we are unable to predict the timing of resolution or the outcome of disputes. While we continue to assess the possible impacts to our financial statements, the ultimate outcome of the dispute will depend upon contested issues of fact and law. As a result of the contract termination, we evaluated the potential future costs as of December 30, 2016 in accordance with the accounting standards applicable to contingent liabilities. The joint venture has incurred costs totaling approximately \$20.0 million in 2017 to demobilize from the site and expects to continue to incur significant legal and other costs until the dispute is resolved. The Consortium is also in the process of determining the required costs to close out and terminate its current subcontractor obligations. These costs, which we expect will be incurred in 2017, have been accrued within our provision for loss accrual in our consolidated financial statements as of December 30, 2016 based upon our best estimate from the information currently available. It is possible that certain subcontractors could file claims against the Consortium as a result of our termination of their subcontract which could be material to our consolidated financial statements. Additionally, the joint venture's performance on the project is secured by certain bonds totaling approximately \$50.0 million which could potentially be called by our client at some time in the future. If we are ultimately unsuccessful in our claim that the contract was repudiated by our client, the Consortium could be liable for the completion of the project by a separate contractor and other related damages. These additional costs could be materially adverse to our results of operations, cash flow and financial condition in the future.

Results of Operations for the Year Ended December 25, 2015 Compared to December 31, 2014

On a consolidated basis, our gross revenue decreased by \$52.0 million, or 1%, for the year ended December 30, 2016 as compared to the year ended December 25, 2015. Our consolidated operations improved \$476.4 million to an operating income of \$134.8 million for the year ended December 25, 2015 as compared to the operating loss of \$341.6 million for the year ended December 31, 2014. The following table summarizes our results of operation by segment for the year ended December 25, 2015 as compared to the year ended December 31, 2014:

(\$ in thousands)	December 25, 2015		Years Ended December 31, 2014		Change	
	Gross Revenue	Operating Income (Loss)	Gross Revenue	Operating Income (Loss)	Gross Revenue	Operating Income (Loss)
Energy and Industrial	\$ 1,148,475	\$ 22,833	\$ 1,230,695	\$ (61,738)	\$ (82,220)	\$ 84,571
Environmental and Nuclear	1,663,523	77,145	1,666,828	64,541	(3,305)	12,604
Transportation	973,916	(62,892)	947,846	(24,648)	26,070	(38,244)
Water	1,363,867	93,318	1,371,155	90,128	(7,288)	3,190
Power EPC	211,724	4,437	196,945	(409,869)	14,779	414,306
Total	\$ 5,361,505	\$ 134,841	\$ 5,413,469	\$ (341,586)	\$ (51,964)	\$ 476,427

Energy and Industrial

Energy and Industrial had an \$82.2 million, or 7%, decrease in revenue for the year ended December 25, 2015 as compared to the year ended December 31, 2014. Primarily as a result of sustained pricing pressures within the oil and gas industry, gross revenue declined due to reduced volume and client concessions on consulting, professional services, and operations and maintenance contracts largely within the U.S., Canada, and the Middle East. Additionally, gross revenue decreased due to the substantial completion of several U.S. and Asia-Pacific consulting projects within the industrial and advanced technology business which were not replaced with similar large scale projects in 2015. These reductions in gross revenue were partially offset by significant increased construction activity on a gas construction contract in Alaska.

Operating income within Energy and Industrial increased by \$84.6 million for the year ended December 25, 2015 as compared to the year ended December 31, 2014. Operations improved primarily due to cost efficiencies from restructuring activities, reduced business development costs consistent with reduced opportunities in the depressed oil and gas industry, and higher margin operations and maintenance projects within the electronics industry. Additionally, during the year ended December 31, 2014, our industrial and advanced technology business had an operating charge of approximately \$17.8 million related to increased estimated costs to complete a communications installation project in our Europe region as well as a \$9.2 million goodwill impairment charge. These increases in operating income were partially offset by the reduced volume in oil and gas related consulting, professional services, and operations and maintenance contracts as discussed above.

Environment and Nuclear

Environment and Nuclear gross revenue decreased \$3.3 million for the year ended December 25, 2015 as compared to the year ended December 31, 2014. The decrease in revenue was attributable to a \$57.1 million decrease in volumes on a domestic design-build facility renovation project as the project approached substantial completion in 2015. Additionally, the depressed oil and gas industry caused a \$15.4 million revenue decline due to lower volumes of environmental consulting projects in Canada. Revenue also decreased in our design-build military and government facilities businesses, due to our 2014 decision to no longer pursue such business. These declines in gross revenue were significantly offset by the ramping up of a large nuclear project in a consolidated Canadian joint venture which began operations in late 2015.

For the year ended December 25, 2015 as compared to the year ended December 31, 2014, Environment and Nuclear operating income increased \$12.6 million, or 20%. The increase in operating income was primarily caused by reduced costs from restructuring efficiencies in 2015, as well as lower business development spending. This increase was partially offset by the reductions in revenue as previously discussed as well as a \$5.3 million unfavorable claim settlement during the year ended December 25, 2015. TERA, which was acquired in the second quarter of 2014, contributed approximately \$69.2 million of revenue and \$9.2 million of operating income for the year ended December 25, 2015 and approximately \$84.6 million of revenue and \$10.6 million of operating income for the year ended December 31, 2014. The decrease in TERA revenues and earnings were a result of lower capital spending on environmental projects for oil and gas clients in Canada.

Transportation

Transportation gross revenue increased \$26.1 million, or 3%, in the year ended December 25, 2015 as compared to the year ended December 31, 2014 primarily due to increased construction activity in 2015 on a fixed-price Transportation contract to design and construct roadway improvements on an expressway in the southwestern United States and strong organic growth on various consulting projects in Europe. These increases were partially offset by a reduction of revenue generated by our operations in Canada and Europe due to foreign currency fluctuations caused by the strengthening of the U.S. dollar.

Transportation operating loss increased \$38.2 million for the year ended December 25, 2015 as compared to the year ended December 31, 2014. The loss was predominantly caused by an estimated additional cost growth resulting in changes in estimated costs of \$93.6 million to complete a fixed-price Transportation contract to design and construct roadway improvements on an expressway in the southwestern United States in the year ended December 25, 2015 as compared to the \$38.7 million cost growth in the year ended December 31, 2014. Refer to Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K for additional detail. The decrease in earnings was partially offset by cost improvements from restructuring initiatives and approximately \$23.0 million of additional operating income from strong organic growth in the European consulting business.

Water

Water revenue for the year ended December 25, 2015 decreased \$7.3 million, or 1%, as compared to year ended December 31, 2014. The decrease was predominately caused by reduced project volume in our urban environments and sports business primarily due to reduced deliverables required during 2015 as compared to 2014 on a large program management project in the Middle East. Additionally, water business revenue declined due to the completion of two large domestic contracts in 2015, project delays on a federal contract in the western United States, and the ramping down of construction work on a domestic commercial contract. These decreases were partially offset by increased revenue from a ramp up of activity on a design-build-operate contract for a water treatment facility in the western United States and the start-up of a program management and design-build water utilities framework in Europe as well as a water facility operations and maintenance contract in the Middle East.

Water operating income increased \$3.2 million, or 4%, in the year ended December 25, 2015 as compared to the year ended December 31, 2014 primarily due to cost savings from restructuring activities, reduced business development cost, and favorable audit results on two major program management jobs in Europe and the Middle East that resulted in favorable settlements. The increase in operating income was partially offset by an \$18.6 million goodwill impairment charge related to our urban environments and sports business.

Power EPC

Power EPC revenues increased \$14.8 million for the year ended December 25, 2015 as compared to the year ended December 31, 2014. The increase was primarily related to a \$122.2 million increase in revenue related to our fixed-price EPC project in Australia being executed through a consolidated joint venture consortium with an Australian construction contractor and a major U.S.-based gas power technology manufacturer to engineer, procure, construct and start-up a combined cycle power plant that will supply power to a large liquefied natural gas facility. Approximately \$66.7 million of that increase was related to estimated costs to complete this project increasing significantly in 2014, resulting in a reduction of revenue based on the percentage-of-completion method for accounting purposes. The remaining increase related to the fixed-price EPC project in Australia and resulted from significant construction progress due to major equipment construction and installation in 2015 as compared to 2014. This increase was offset by a reduction in revenue of \$100.2 million related to the substantial completion of two large scale domestic design-build power projects in 2014 which were not replaced with similar projects in 2015 as a result of the decision to exit the fixed-price EPC Power business with the exception of projects under contract.

For the year ended December 25, 2015 as compared to the year ended December 31, 2014, Power EPC's operating loss was reduced by \$414.3 million primarily caused by the \$280.0 million project loss related to the fixed-price EPC project in Australia and the \$64.4 million project loss related to a fixed-price contract to design and construct a new power generation facility in the northeastern United States in the year ended December 31, 2014. Refer to Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K as well as the above *Results of Operations for the Year Ended December 30, 2016 Compared to December 25, 2015* for additional details. Furthermore, there was a \$45.5 million goodwill and intangible asset impairment charge incurred during the year ended December 31, 2014 related to the restructuring as the Company exited the fixed-price Power EPC business.

Income Taxes

The income tax (benefit) provision for the years ended December 30, 2016, December 25, 2015 and December 31, 2014 are as follows:

(\$ in millions)	Income Tax Provision (Benefit)	Effective Tax Rate
2016	\$ (131.5)	112.9 %
2015	\$ 28.4	26.1 %
2014	\$ (37.2)	17.0 %

The effective tax rate for the year ended December 30, 2016 was a benefit of 112.9% compared to an expense of 26.1% for the same period in the prior year. The effective tax rate in 2016 resulted primarily due to the favorable impacts associated with the release of the valuation allowances resulting from the Halcrow Group Limited restructure of the Halcrow Pension Scheme, as discussed below, the release of the valuation allowances resulting from foreign net operating losses due to the implementation of a

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new transfer pricing strategy and the remeasurement related to an acquisition of a controlling interest. Our effective tax rate continues to be negatively impacted by the effects of state income taxes, non-deductible foreign net operating losses, the disallowed portion of executive compensation and the disallowed portions of meals and entertainment expenses.

CH2M is required to record all deferred tax assets or liabilities for temporary differences, net operating loss carryforwards, and tax credit carryforwards. A deferred tax asset valuation allowance is established when it is more likely than not that all or some portion of the deferred tax assets will not be realized in future periods. As of December 30, 2016 and December 25, 2015, we reported a valuation allowance of \$48.0 million and \$210.4 million, respectively, related primarily to the reserve of certain foreign net loss carryforwards and the foreign tax credit carryforward. The drop in valuation allowance is primarily related to the restructure of the Halcrow Pension Scheme, as discussed below, and the implementation of the new transfer pricing strategy.

Halcrow Group Limited ("HGL") has substantial deferred tax assets, primarily related to the Halcrow Pension Scheme ("HPS"). These deferred tax assets represented future deductions available to HGL. When HGL was acquired in 2011, it was determined a full valuation allowance was required on these assets as there was uncertainty regarding the ability to realize these assets in the future. On October 4, 2016 Halcrow Group Limited ("HGL") completed a transaction to restructure the Halcrow Pension Scheme. As a result of the transaction, we reduced our overall pension liability and related future funding obligations. For additional information regarding the Halcrow Pension Scheme and changes to the defined benefit plan effective October 4, 2016, refer to Note 16 – *Employee Retirement Plans* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K for additional details. Consequently, we feel that the deferred tax assets of HGL will now more likely than not be realized and therefore the valuation allowance has been removed. This generated a benefit of approximately \$65.0 million for the year ended December 30, 2016.

Income (losses) attributable to noncontrolling interests

We had income (losses) attributable to noncontrolling interests of (\$139.3 million), \$11.7 million and (\$137.1 million) for the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. The significant losses in the years ended December 30, 2016 and December 31, 2014 were predominately related to cost growth on an Australian fixed-price Power EPC project being executed by a consolidated joint venture. See discussion above in to *Results of Operations* and Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K for additional details regarding the Australian joint venture. As a result of the change in estimated costs to complete, we incurred a charge to joint venture operations of \$301.5 million and \$280.0 million in the years ended December 30, 2016 and December 31, 2014, respectively. No changes in estimated costs to complete the project were made in 2015. Our portion of the increased project costs for the consolidated joint venture in the year ended December 30, 2016 and December 31, 2014 was \$154.1 million and \$140.0 million, respectively. As such, the remaining losses were attributable to the noncontrolling interest.

Liquidity and Capital Resources

Our primary sources of liquidity are cash flows from operations and borrowings under our secured revolving line of credit. Our primary uses of cash are working capital, acquisitions, capital expenditures and purchases of stock in our internal market. Changes in our working capital requirements can vary significantly from period to period based primarily on the mix of our projects underway and the percentage of work completed during the period. We maintain a domestic cash management system which provides for cash sufficient to satisfy financial obligations as they are submitted for payment and any excess cash in domestic bank accounts is applied against any outstanding debt held under our credit facility described below. We maintain entities to do business in countries around the world and as a result hold cash in international bank accounts to fund the working capital requirements of those operations. At December 30, 2016 and December 25, 2015, cash totaling \$108.7 million and \$152.0 million, respectively, was held in foreign bank accounts.

In addition, as is common within our industry, we partner with other engineering and construction firms on specific projects to leverage the skills of the respective partners and decrease our risk of loss. Often projects of this nature require significant cash contributions and the joint ventures created may retain cash earned while the project is being completed. Cash and cash equivalents on our consolidated balance sheets include cash held within these consolidated joint venture entities which is used for operating activities of those joint ventures. As of December 30, 2016 and December 25, 2015, cash and cash equivalents held in our consolidated joint ventures and reflected on the consolidated balance sheets totaled \$46.6 million and \$95.4 million, respectively.

During the year ended December 30, 2016, cash used in operations was \$245.5 million, which was a decrease of \$348.7 million as compared to cash provided by operations of \$103.2 million in the year ended December 25, 2015. The decrease in cash flows from operations primarily resulted from a decrease in earnings of \$216.4 million, as discussed above, which was offset by positive changes in working capital of \$88.8 million. Additionally, we made contributions of \$154.0 million to our defined benefit plans in the year ended December 30, 2016, which was an increase of \$116.9 million as compared to the year ended December 25, 2015 primarily due to the \$104.0 million payment made in connection with the restructuring of the HPS defined benefit plan, as discussed above.

For the year ended December 30, 2016, changes in working capital improved primarily due to an increase in collections on our receivables and unbilled revenue totaling \$204.0 million. This was offset by higher volumes of payments on accounts payable and accrued subcontractor costs of \$110.1 million, primarily caused by the payment of subcontractor costs on our fixed-price contract to design and construct roadway improvements on an expressway in the southwestern United States and payments to sub-contractors on our Australian fixed-price Power EPC project. Additionally, cash used to fund accrued payroll and employee related liabilities increased by \$49.7 million due to the timing of our payroll cycles, reducing our cash generated by operations. Additionally, we made payments of \$38.2 million for restructuring costs related to the 2016 Restructuring Plan and 2014 Restructuring Plan which were largely offset by increased non-cash project loss reserves within other accrued liabilities from December 25, 2015 to December 30, 2016, as discussed above.

Cash used in investing activities was \$112.3 million for the year ended December 30, 2016 as compared to cash provided by investing activities of \$8.6 million for the year ended December 25, 2015. A significant factor contributing to cash used in investing activities was the \$65.6 million increase in capital expenditures in the year ended December 30, 2016 as compared to the year ended December 25, 2015. This was due primarily to the construction of employee housing units for oilfield workers in Alaska to support our oil and gas operations. Additionally, due to the sale of previously owned land during 2015, proceeds from the sale of operating assets decreased by \$37.9 million for the year ended December 30, 2016 as compared to the year ended December 25, 2015. Cash used in investing activities also increased \$18.0 million due to \$15.9 million of deferred acquisitions payments made during the year ended December 30, 2016 related to acquisitions completed in prior years as well as a \$2.1 million acquisition payment, net of cash acquired, of controlling interest in one of our joint ventures. There were no acquisition related payments made during the year ended December 25, 2015. Furthermore, we periodically make working capital advances to certain of our unconsolidated joint ventures; these advances are repaid to us from the joint ventures in the normal course of the joint venture activities. During the year ended December 30, 2016, we received working capital repayments from our unconsolidated joint ventures of \$17.5 million as compared to \$31.4 million for the year ended December 25, 2015. These repayments are offset by additional investments made in our unconsolidated joint ventures, which were \$15.8 million and \$30.4 million for the year ended December 30, 2016 and December 25, 2015, respectively.

Cash provided by financing activities was \$276.2 million in the year ended December 30, 2016 as compared to cash used in financing activities of \$42.4 million for the year ended December 25, 2015. The change in financing cash flows was primarily caused by the net borrowings on long-term debt of \$193.7 million for the year ended December 30, 2016 as compared to a net payments of \$211.5 million for the year ended December 25, 2015, which were largely driven from the negative operating and investing cash flows discussed above. The Company also received \$99.8 million in net proceeds from the second preferred stock issuance in the second quarter of 2016 as compared to \$191.2 million in proceeds received in the second quarter of 2015. Cash provided by financing activities was offset by an \$8.5 million increase in cash used for repurchases of common stock during the year ended December 30, 2016 as compared to the year ended December 25, 2015.

On September 30, 2016, we entered into a Third Amendment to our Amended and Restated Credit Agreement ("Amended Credit Agreement"), to provide us with additional financial and operational flexibility, particularly by modifying the definition of consolidated adjusted EBITDA to allow for the exclusion of expected cash restructuring charges and cash payments on the project losses attributable to ongoing fixed-price contracts for purposes of determining the consolidated leverage ratio, which remained at 3.00x for 2016 and beyond. In addition, the Amended Credit Agreement lowered our maximum available revolving credit facility to \$925.0 million from \$1.1 billion. The credit facility matures on March 28, 2019 and includes a subfacility for the issuance of standby letters of credit in a face amount up to \$500.0 million, a subfacility up to \$300.0 million for multicurrency borrowings, and a subfacility of up to \$50.0 million for swingline loans. Under the terms of the Amended Credit Agreement, we may be able to invite existing and new lenders to increase the amount available to be borrowed by up to \$200.0 million. Other technical and operating changes to the Amended Credit Agreement specifically achieved the following:

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- Increased the margins used to determine the interest rates of revolving loans under the Amended Credit Agreement and the commitment fees payable by CH2M;
- Limited the amount CH2M may spend to repurchase its common stock in connection with its employee stock ownership program up to \$75.0 million during the three quarter period ending March 31, 2017 and, thereafter, up to \$100.0 million during a rolling four quarter period less the amount of any legally required repurchases of common stock held in benefit plans;
- Limited CH2M's ability to pay cash dividends on preferred stock until no more than 10% of our consolidated adjusted EBITDA consists of the cash and non-cash charges related to restructuring charges and project costs and losses in any rolling four quarter period and subject to minimum pro forma leverage ratio;
- Disallows the use of proceeds from asset sales to repurchase common or preferred stock; and,
- Granted security interests to the lenders in substantially all of the assets of CH2M and CH2M's subsidiaries, subject to certain carve-outs.

At December 30, 2016, we had \$487.0 million in outstanding borrowings on the credit facility, compared to \$292.8 million at December 25, 2015. The average rate of interest charged on that balance was 3.73% as of December 30, 2016. At December 30, 2016, company-wide issued and outstanding letters of credit, and bank guarantee facilities of \$134.2 million were outstanding, compared to \$145.5 million at December 25, 2015. Our borrowing capacity under the credit facility is limited by a maximum consolidated leverage ratio, which is based on a multiple of an adjusted earnings before interest, taxes, depreciation and amortization calculation, and other outstanding obligations of the Company. As of December 30, 2016, the remaining unused borrowing capacity under the credit facility was approximately \$107.4 million.

On November 23, 2016, December 28, 2016 and January 10, 2017, we received from the lenders under the Amended Credit Agreement consents permitting our delayed compliance with respect to the certifications to the lenders relating to our unaudited consolidated financial statements as of and for the quarters ended June 26, 2015, September 25, 2015 and December 25, 2015 and confirming that a determination that a material weakness exists in our internal controls over financial accounting would not constitute a default under the terms of the Amended Credit Agreement. The consents ensured that no event of default existed under the Amended Credit Agreement as a result of the restatement, and we could request the issuance of new loan advances and letters of credit under the Amended Credit Agreement in accordance with its terms.

As of December 30, 2016, we were in compliance with the covenants required by the Amended Credit Agreement. Management continually assesses its potential future compliance with the Amended Credit Agreement covenants based upon estimates of future earnings and cash flows. If there is an expected possibility of non-compliance, we will discuss possibilities with the Company's lenders or utilize other means of capitalizing the Company to remedy any non-compliance. The expected cash outflows required to fund the project losses discussed in Note 2 – *Changes in Project-Related Estimates* of the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K and the related impact on earnings will put a financial strain on the Company that may require an amendment or other remedies to be pursued by management if certain earnings estimates or cash flow improvement initiatives are not achieved. We may from time to time refinance amounts outstanding under our Amended Credit Agreement with other loans, debt securities or other debt. The timing of any such refinancing will depend on many factors, including market conditions and contractual restrictions. In the context of our current debt structure and projected cash needs, there can be no assurance that the capacity under our Amended Credit Agreement will be adequate to fund future operations, to restructure operations, or to allow the Company to repurchase stock in our internal market in any significant amount or at all.

Additionally, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts in 2015 and 2016, and in excess of amounts determined by a negotiated formula in 2017 and beyond. In 2017, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts determined by a formula based upon our "Free Cash Flow" or our cash flow from operations, minus capital expenditures, for fiscal year 2016. Our Free Cash Flow was negative for the year ended December 30, 2016, and as a result, other than specified exemptions, the Company is prohibited from repurchasing shares of common stock in the internal market, except as legally required, unless it is able to obtain the consent of the holders of at least a majority of the Series A Preferred Stock. On January 17, 2017, the Company received from the Series A Preferred Stock holder, an acknowledgment and consent permitting the Company to spend up to \$25.0 million, in the aggregate, to repurchase shares of common stock in the first trade of 2017. No assurance can be given that in the future the Company will be able to obtain an acknowledgment and consent from the Series A Preferred Stockholder permitting the Company to repurchase common stock in the internal market.

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Based on fourth quarter results of operations and our current business outlook, we believe that our sources of liquidity, including bank facility credit capacity and issuances of debt, equity or other securities, will satisfy our working capital needs, capital expenditures, investment requirements, contractual obligations, commitments, principal and interest payments on our debt and other liquidity requirements for the next 12 months. However, we cannot be certain that we will generate improved cash flows or that we will be able to obtain additional financing or investment on satisfactory terms. In addition, our liquidity is constrained due to 2016 results of operations and in the event our liquidity is insufficient, we may be required to curtail spending and implement additional cost saving measures and restructuring actions or enter into new financing arrangements.

Off-Balance Sheet Arrangements

We have interests in multiple joint ventures, some of which are unconsolidated variable interest entities, to facilitate the completion of contracts that are jointly performed with our joint venture partners. These joint ventures are formed to leverage the skills of the respective partners and include consulting, construction, design, project management and operations and maintenance contracts. Our risk of loss on joint ventures is similar to what the risk of loss would be if the project was self-performed, other than the fact that the risk is shared with our partners. See further discussion in Note 4— *Variable Interest Entities and Equity Method Investments* of the Notes to the Consolidated Financial Statements in Item 15, of this Annual Report on Form 10-K.

There were no substantial changes to other off-balance sheet arrangements or contractual commitments during the year ended December 30, 2016.

Aggregate Commercial Commitments

We maintain a variety of commercial commitments that are generally made available to provide support for various provisions in engineering and construction contracts. Letters of credit are provided to clients in the ordinary course of the contracting business in lieu of retention or for performance and completion guarantees on engineering and construction contracts. We post bid bonds and performance and payment bonds, which are contractual agreements issued by a surety, for the purpose of guaranteeing our performance on contracts and to protect owners and are subject to full or partial forfeiture for failure to perform obligations arising from a successful bid. We also carry substantial premium paid, traditional insurance for our business risks including professional liability and general casualty insurance and other coverage which is customary in our industry.

We believe that we will be able to continue to have access to professional liability and general casualty insurance, as well as bonds, with sufficient coverage limits, and on acceptable financial terms necessary to support our business. The cost of such coverage has remained stable during 2016, but there are no guarantees that the cost of such coverage will remain stable in future periods.

Our risk management personnel continuously monitor the developments in the insurance market. The financial stability of the insurance and surety providers is one of the major factors that we take into account when buying our insurance coverage. Currently our insurance and bonds are purchased from several of the world's leading and financially stable providers often in layered insurance or co-surety arrangements. The built-in redundancy of such arrangements usually enables us to call upon existing insurance and surety suppliers to fill gaps that may arise if other such suppliers become financially unstable.

Contractual obligations outstanding as of December 30, 2016 are summarized below:

(\$ in millions)	Amount of Commitment Expiration Per Period				Total Amount Committed
	Less than 1 Year	1 - 3 Years	4 - 5 Years	Over 5 Years	
Letters of credit	\$ 47.8	\$ 44.1	\$ 6.2	\$ 27.7	\$ 125.8
Bank guarantees	7.7	0.6	0.1	—	8.4
Long-term debt	2.2	493.5	2.2	—	497.9
Interest payments ¹	18.5	36.7	18.2	—	73.4
Operating lease obligations	82.2	135.0	92.5	230.8	540.5
Surety and bid bonds	765.2	35.4	0.1	—	800.7
Total	\$ 923.6	\$ 745.3	\$ 119.3	\$ 258.5	\$ 2,046.7

¹The interest payments on the revolving credit facility are based on the borrowings outstanding as of December 30, 2016 at the expected interest rate over the period outstanding.

Critical Accounting Policies

Our discussion and analysis of our financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with U.S. generally accepted accounting principles. The preparation of these financial statements requires us to make estimates and judgments that affect both the results of operations as well as the carrying values of our assets and liabilities. Some of our accounting policies require us to make difficult and subjective judgments, often as a result of the need to make estimates of matters that are inherently uncertain. We base estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities as of the date of the financial statements that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

Although our significant accounting policies are described in the Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K, the accounting policies that we believe are most critical to the understanding of our financial condition and results of operations and require complex management judgment are summarized below:

Revenue Recognition

We earn revenue from different types of services performed under various types of contracts, including cost-plus, fixed-price and time-and-materials. We evaluate contractual arrangements to determine how to recognize revenue. We primarily perform engineering and construction related services and recognize revenue for these contracts on the percentage-of-completion method where progress towards completion is measured by relating the actual cost of work performed to date to the current estimated total cost of the respective contract. In making such estimates, judgments are required to evaluate potential variances in schedule, the cost of materials and labor, productivity, subcontractor costs, liability claims, contract disputes, and achievement of contract performance standards. We record the cumulative effect of changes in contract revenue and cost at completion in the period in which the changed estimates are determined to be reliably estimable.

Below is a description of the four basic types of contracts from which we may earn revenue:

Cost Plus Contracts . Cost plus contracts can be cost plus a fixed fee or rate, or cost plus an award fee. Under these types of contracts, we charge our clients for our costs, including both direct and indirect costs, plus a fixed fee or an award fee. We generally recognize revenue based on the labor and non-labor costs we incur, plus the portion of the fixed fee or award fee we have earned to date.

Included in the total contract value for cost-plus fee arrangements is the portion of the fee for which receipt is determined to be probable. Award fees are influenced by the achievement of contract milestones, cost savings and other factors.

Fixed-Price Contracts . Under fixed-price contracts, our clients pay us an agreed amount negotiated in advance for a specified scope of work. For engineering and construction contracts, we recognize revenue on fixed-price contracts using the percentage-of-completion method where direct costs incurred to date are compared to total projected direct costs at contract completion. Prior to completion, our recognized profit margins on any fixed-price contract depend on the accuracy of our estimates and will increase to the extent that our actual costs are below the original estimated amounts. Conversely, if our costs exceed these estimates, our profit margins will decrease, and we may realize a loss on a project. The significance of these estimates varies with the complexity of the underlying project, with our large, fixed-price EPC projects being most significant.

Time and Materials Contracts . Under our time-and-materials contracts, we negotiate hourly billing rates and charge our clients based on the actual time that we expend on a project. In addition, clients reimburse us for our actual out of pocket costs of materials and other direct expenditures that we incur in connection with our performance under the contract. Our profit margins on time-and-materials contracts fluctuate based on actual labor and overhead costs that we directly charge or allocate to contracts compared with the negotiated billing rate and markup on other direct costs. Some of our time-and-materials contracts are subject to maximum contract values, and accordingly, revenue under these contracts is recognized under the percentage-of-completion method where costs incurred to date are compared to total projected costs at contract completion. Revenue on contracts that is not subject to maximum contract values is recognized based on the actual number of hours we spend on the projects plus any actual out of pocket costs of materials and other direct expenditures that we incur on the projects.

Operations and Maintenance Contracts . A portion of our contracts are operations and maintenance type contracts. Revenue

is recognized on operations and maintenance contracts on a straight-line basis over the life of the contract once we have an arrangement, service has begun, the price is fixed or determinable and collectability is reasonably assured.

For all contract types noted above, change orders are included in total estimated contract revenue when it is probable that the change order will result in an addition to contract value and when the change order can be estimated. Management evaluates when a change order is probable based upon its experience in negotiating change orders, the customer's written approval of such changes or separate documentation of change order costs that are identifiable. Additional contract revenue related to claims is included in total estimated contract revenue when the amount can be reliably estimated, which is typically evidenced by a contract or other evidence providing a legal basis for the claim.

Losses on construction and engineering contracts in process are recognized in their entirety when the loss becomes evident and the amount of loss can be reasonably estimated.

Income Taxes

In determining net income for financial statement purposes, we must make estimates and judgments in the calculation of tax assets and liabilities and in the determination of the recoverability of the deferred tax assets. We account for income taxes utilizing an asset and liability approach that requires the recognition of deferred tax assets and liabilities for the expected future tax effects of events that have been recognized in the financial statements or tax returns. In estimating future tax consequences, we generally consider all expected future events other than enactment of changes in the tax laws or rates. Deferred tax assets and liabilities are determined based on the difference between the tax basis of assets and liabilities and their reported amounts using enacted tax rates in effect for the year in which differences are expected to reverse. We must assess the likelihood that we will be able to recover our deferred tax assets. A valuation allowance is provided for deferred tax assets if it is more likely than not that these items will not be realized. Annually, we determine the amount of undistributed foreign earnings invested indefinitely in our foreign operations. Deferred taxes are not provided on those earnings.

In addition, the calculation of our income tax provision and tax assets and liabilities involves uncertainties in the application of complex tax regulations. For income tax benefits to be recognized, a tax position must be more likely than not to be sustained upon examination by taxing authorities. We record reserves for uncertain tax positions that do not meet these criteria

Goodwill

Goodwill represents the excess of costs over fair value of the assets of businesses we have acquired. Goodwill acquired in a purchase business combination is not amortized, but instead, is tested for impairment at least annually in accordance with the provisions of the Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") Topic 350, Intangibles-Goodwill and Other ("ASC 350"), as amended. Our annual goodwill impairment test is conducted as of the first day of the fourth quarter of each year, however, upon the occurrence of certain triggering events, we are also required to test for impairment at dates other than the annual impairment testing date. In performing the impairment test, we evaluate our goodwill at the reporting unit level. Under the guidance of ASC 350, we have the option to assess either quantitative or qualitative factors to determine whether it is more likely than not that the fair values of our reporting units are less than their carrying amounts. If after assessing the totality of events or circumstances, we determine that it is not more likely than not that the fair values of our reporting units are less than their carrying amounts, then the next step of the impairment test is unnecessary. If we conclude otherwise, then we are required to test goodwill for impairment under the two-step process. The two-step process involves comparing the estimated fair value of each reporting unit to the unit's carrying value, including goodwill. If the carrying value of a reporting unit does not exceed its fair value, the goodwill of the reporting unit is not considered impaired; therefore, the second step of the impairment test is unnecessary. If the carrying amount of a reporting unit exceeds its estimated fair value, we would then perform a second step to measure the amount of goodwill impairment loss to be recorded.

We determine the fair value of our reporting units using a combination of the income approach, the market approach, and the cost approach. The income approach calculates the present value of future cash flows based on assumptions and estimates derived from a review of our expected revenue growth rates, profit margins, business plans, cost of capital and tax rates for the reporting units. Our market based valuation method estimates the fair value of our reporting units by the application of a multiple to our estimate of a cash flow metric for each business unit. The cost approach estimates the fair value of a reporting unit as the net replacement cost using current market quotes.

Pension and Postretirement Employee Benefits

The unfunded or overfunded projected benefit obligation of our defined benefit pension plans and other postretirement benefits are recorded in our consolidated financial statements using actuarial valuations that are based on many assumptions. These assumptions primarily include discount rates, rates of compensation increases for participants, mortality rates, and long-term rates of return on plan assets. We use judgment in selecting these assumptions each year because we have to consider not only the current economic environment in each host country, but also future market trends, changes in interest rates and equity market performance. Our plan liabilities are most sensitive to changes in the discount rates, which if reduced by 25 basis points, plan liabilities for the U.S. and non-U.S. plans would increase by approximately \$8.0 million and \$35.0 million, respectively. For the year ended December 30, 2016, the combined U.S. and non-U.S. pension plan benefit obligation decreased by \$293.5 million primarily due to the transaction by HGL which restructured benefits for those members transferring to HPS2 as well as settled the obligation related to the members who remained in the HPS, as previously discussed, and changes in the foreign currency translation. These reductions in the pension plan benefit obligations were partially offset by changes in actuarial assumptions primarily caused by decreased discount rates for both the U.S. and non-U.S. pension plans. As a result of the restructured benefit transaction and actuarial assumption changes, accumulated other comprehensive income within consolidated equity increased by \$92.9 million. Changes in these assumptions have an immaterial impact on our net periodic pension costs as most of our defined benefit arrangements have been closed to new entrants and ceased future accruals. Under current accounting guidance, any increase in expense resulting from changes in assumptions is recognized over time.

Recent Accounting Standards

Refer to *Recent Accounting Standards* in Note 1- *Summary of Business and Significant Accounting Policies* within our Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K.

Commitments and Contingencies

Refer to Note 18 – *Commitments and Contingencies* within our Notes to Consolidated Financial Statements in Item 15 of this Annual Report on Form 10-K.

Item 7A . Quantitative and Qualitative Disclosures about Market Risk

In the ordinary course of our operations we are exposed to certain market risks, primarily changes in foreign currency exchange rates and interest rates. This risk is monitored to limit the effect of foreign currency exchange rate and interest rate fluctuations on earnings and cash flows.

Foreign currency exchange rates. We operate in many countries around the world, and as a result, we are exposed to foreign currency exchange rate risk on transactions in numerous countries, particularly with respect to our operations in the United Kingdom and Canada. We are primarily subject to this risk on long term projects whereby the currency being paid by our client differs from the currency in which we incurred our costs, as well as intercompany trade balances among our entities with differing currencies. In order to mitigate this risk, we enter into derivative financial instruments. We do not enter into derivative transactions for speculative or trading purposes. All derivatives are carried at fair value in the consolidated balance sheets and changes in the fair value of the derivative instruments are recognized in earnings. These currency derivative instruments are carried on the balance sheet at fair value and are based upon Level 2 inputs including third party quotes. As of December 30, 2016, we had derivative liabilities of \$1.2 million of forward foreign exchange contracts on world currencies with varying durations, none of which extend beyond one and five years.

Interest rates. Our interest rate exposure is primarily limited to our revolving credit facility. As of December 30, 2016 the outstanding balance on the credit facility was \$487.0 million. We have assessed the market risk exposure on this financial instrument and determined that any significant change to the fair value of this instrument would not have a material impact on our consolidated results of operations, financial position or cash flows. Based upon the amount outstanding under the credit facility, a one percentage point change in the assumed interest rate would change our annual interest expense by approximately \$4.9 million.

Item 8. Financial Statements and Supplementary Data

Reference is made to the information set forth beginning on page F-1.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9 A. Controls and Procedures

(a) Disclosure Controls and Procedures

Our management carried out an evaluation as of the last day of the period covered by this Annual Report on Form 10-K, under the supervision and with the participation of our Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of our disclosure controls and procedures as defined in Rules 13a-15(e) of the Securities Exchange Act of 1934, as amended ("Exchange Act").

In conducting our evaluation, we concluded that there is a material weakness in the design of our internal control over financial reporting, as described below.

As a result of the material weakness in the design of our internal control over financial reporting, our Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures were not effective as of December 30, 2016 to ensure that information required to be disclosed by us in reports filed or submitted under the Exchange Act is (a) timely recorded, processed, summarized and reported, and (b) accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

In light of the material weakness described below, we performed additional analysis and other post-closing procedures to ensure our consolidated financial statements were prepared in accordance with generally accepted accounting principles and reflect our financial position and results of operations as of and for the year ended December 30, 2016. As a result, notwithstanding the material weakness described below, management concluded that the consolidated financial statements included in this Form 10-K present fairly, in all material respects, our financial position, results of operations and cash flows as of and for the periods presented.

(b) Management's Annual Report on Internal Control over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rules 13a-15(f). All internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement preparation and presentation for external purposes in accordance with generally accepted accounting principles. Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we conducted an evaluation of the effectiveness of our internal control over financial reporting based on the framework in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO 2013 Framework).

Based on this assessment, management concluded that our internal control over financial reporting was not effective as of December 30, 2016, because deficiencies have been identified that rise to the level of a material weakness as described below.

A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of our annual or interim financial statements will not be prevented or detected on a timely basis.

Material weakness related to project reporting over the completeness and accuracy of estimates of revenues, costs and profit or loss at completion for long-term projects accounted for under the percentage-of-completion method

We determined that a material weakness in our internal control over financial reporting existed related to the ineffective design of certain controls associated with developing project cost estimates included in our estimates of revenues, costs and profit or loss at completion for long-term contracts accounted for under the percentage-of-completion method. Specifically, three deficiencies in internal control over financial reporting were identified related to these project cost estimates. The first and second deficiency relate to Principle 10, "The organization selects and develops control activities to mitigate the risk of achieving objectives" of the control activities component of the COSO 2013 Framework. The first deficiency involves process level control activities related to the project level operational processes used to develop project cost estimates for large fixed-firm price engineering, procurement and

construction projects. The Company did not identify these basis of estimate process level control activities as key internal controls, and, as such, they were not designed to operate at the required level of rigor, precision and consistency, and include the retention of adequate documentation. The second deficiency involves a control that was intended to ensure project cost estimates not updated on a monthly basis are evaluated for potential accounting implications. It has been determined that such control was not designed effectively as it did not sufficiently identify items requiring follow-up and how such items were to be resolved. The third deficiency relates to Principle 14, "The organization internally communicates information, including objectives and responsibilities for internal control, necessary to support the functioning of internal control" of the information and communication component of the COSO 2013 Framework. This deficiency involves a certification control that has been determined to have not been designed effectively. Specifically, the certification control did not adequately identify items requiring follow-up and how such items were to be resolved, including the preparation and review of appropriate documentation of the resolution.

The material weakness resulted in the restatement of our unaudited consolidated financial statements as of and for the quarters ended June 26, 2015, September 25, 2015, and December 25, 2015, and has not been remediated as of December 30, 2016.

This Annual Report on Form 10-K does not include an attestation report of our independent registered public accounting firm regarding internal control over financial reporting. As we are a non-accelerated filer, management's report is not subject to attestation by our registered public accounting firm pursuant to Section 404(c) of the Sarbanes-Oxley Act of 2002 that permits us to provide only management's report in this annual report.

(c) Remediation Plans to Address Material Weakness

Deficient control related to the inadequate design of process level controls dealing with the basis of estimate

We are implementing process level controls to ensure that the basis of estimate for major components of project cost as developed by the project team are documented and reviewed. These controls will focus on the most significant items that impact project cost, e.g., schedule, labor, subcontractor and materials, change management, and risk register/contingency. These controls will require adequate documentation supporting the estimation process, including significant judgments and the rationale for subsequent changes.

Deficient control related to the evaluation of project cost estimates not updated on a monthly basis

We will evaluate and change the control to provide specificity on the identification of items for follow-up and how such items are to be resolved, including the preparation and review of appropriate documentation of the resolution. The revised control will be designed to ensure that project cost estimates are updated and evaluated on a quarterly basis.

Deficient control related to the certification process

We will evaluate and change the certification process to clarify the internal control responsibilities of the employee positions and job titles involved in the estimation of costs and consideration of accounting and reporting requirements. These internal control responsibilities will provide specificity on the identification of items for follow-up and how such items are to be resolved, including the preparation and review of appropriate documentation of the resolution. We will also provide training to the employees involved in the estimation of project costs and related accounting requirements, and implement periodic communications on the internal control responsibilities of employees involved in the process. In addition, we will implement controls to enhance business segment and corporate level oversight of the cost estimation process.

(d) Changes in Internal Control over Financial Reporting

There have been no changes in our internal control over financial reporting during the quarter ended December 30, 2016 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Item 9 B. Other Information

None.

PART II

Item 10. Directors, Executive Officers and Corporate Governance

Certain information required by this item is incorporated by reference from CH2M's definitive proxy statement for its 2017 Annual Meeting of Stockholders. Information regarding the executive officers of CH2M is presented under the caption "Executive Officers of CH2M" in Part I of this Annual Report on Form 10-K.

Item 11. Executive Compensation

Information required by this item is incorporated by reference from CH2M's definitive proxy statement for its 2017 Annual Meeting of Stockholders.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

Information required by this item is incorporated by reference from CH2M's definitive proxy statement for its 2017 Annual Meeting of Stockholders.

Item 13. Certain Relationships and Related Transactions, and Director Independence

Information required by this item is incorporated by reference from CH2M's definitive proxy statement for its 2017 Annual Meeting of Stockholders.

Item 14. Principal Accounting Fees and Services

Information required by this item is incorporated by reference from CH2M's definitive proxy statement for its 2017 Annual Meeting of Stockholders.

PART IV

Item 15. Exhibits and Financial Statement Schedules

Documents Filed as Part of this Report

1. Financial Statements

<u>Report of Independent Registered Public Accounting Firm</u>	64
<u>Consolidated Balance Sheets at December 30, 2016 and December 25, 2015</u>	65
<u>Consolidated Statements of Operations for the Years Ended December 30, 2016, December 25, 2015, and December 31, 2014</u>	66
<u>Consolidated Statements of Comprehensive Income (Loss) for the Years Ended December 30, 2016, December 25, 2015, and December 31, 2014</u>	67
<u>Consolidated Statements of Stockholders' Equity for the Years Ended December 30, 2016, December 25, 2015, and December 31, 2014</u>	68
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<u>Notes to Consolidated Financial Statements</u>	70

2. Financial Statement Schedules and Other

All financial statement schedules have been omitted because the required information is included in the consolidated financial statements or notes thereto, or because such schedules are not applicable.

3. Exhibits

The Exhibits required by this item are listed in the Exhibit Index. Each management contract and compensatory plan or arrangement is denoted with a "+" in the Exhibit Index.

Exhibit Number	Description
3.1	Restated Certificate of Incorporation of CH2M HILL Companies, Ltd., as filed with the Delaware Secretary of State on February 19, 2015 (filed as Exhibit A to CH2M's Proxy Statement on January 16, 2015, (Commission File No. 000-27261), and incorporated herein by reference)
3.2	Certificate of Designation of Series A Preferred Stock of CH2M HILL Companies, Ltd., as filed with the Delaware Secretary of State on June 22, 2015 (filed as Exhibit 3.1 to CH2M's Form 8-K on June 24, 2015 (Commission File No. 000-27261), and incorporated herein by reference)
3.3	Amended and Restated Bylaws of CH2M HILL Companies, Ltd., as amended through and including June 24, 2015 (filed as Exhibit 3.2 to CH2M's Form 8-K on June 24, 2015 (Commission File No. 000-27261), and incorporated herein by reference)
+10.1	CH2M HILL Companies, Ltd. Amended and Restated Short Term Incentive Plan effective January 1, 2012 (filed as Exhibit 10.2 to CH2M's Form 10-Q for the quarter ended June 30, 2012 (Commission File No. 000-27261), and incorporated herein by reference)
+10.2	CH2M HILL Companies, Ltd. Amended and Restated Short Term Incentive Plan effective February 11, 2016 (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended June 24, 2016 (Commission File No. 000-27261), and incorporated herein by reference)
+10.3	CH2M HILL Companies, Ltd. Amended and Restated Long Term Incentive Plan effective January 1, 2011 (filed as Exhibit 10.3 to CH2M's Form 10-K for the year ended December 31, 2011 (Commission File No. 000-27261), and incorporated herein by reference)

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- +10.4 CH2M HILL Companies, Ltd. Amended and Restated Long Term Incentive Plan effective February 11, 2016 (filed as Exhibit 10.2 to CH2M's Form 10-Q for the quarter ended June 24, 2016 (Commission File No. 000-27261), and incorporated herein by reference)
- +10.5 CH2M HILL Companies, Ltd. Amended and Restated 2009 Stock Option Plan, effective May 7, 2012 (filed as Exhibit 10.1 to CH2M's Form 8-K on May 11, 2012 (Commission File No. 000-27261), and incorporated herein by reference)
- +10.6 CH2M HILL Companies, Ltd. Amended and Restated Restricted Stock Plan effective September 13, 2013 (filed as Exhibit 10.4 to CH2M's Form 10-K for the year end December 31, 2013 (Commission File No. 000-27261), and incorporated herein by reference)
- +10.7 CH2M HILL Companies, Ltd. Amended and Restated Deferred Compensation Plan effective November 13, 2014 (filed as Exhibit 10.5 to CH2M's Form 10-K on February 25, 2015 (Commission File No. 000-27261), and incorporated herein by reference)
- +10.8 CH2M HILL Companies, Ltd. Supplemental Executive Retirement and Retention Plan effective September 19, 2014 (filed as Exhibit 10.6 to CH2M's Form 10-K on February 25, 2015 (Commission File No. 002-27261), and incorporated herein by reference)
- +10.9 Form of Change of Control Severance Agreement between CH2M HILL Companies, Ltd. and employee directors and executive officers (filed as Exhibit 10.1 to CH2M's Form 8-K on November 4, 2015, (Commission File No. 002-27261), and incorporated herein by reference)
- +10.10 CH2M HILL Companies, Ltd. Death Benefit Only Plan effective September 13, 2012 (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended September 30, 2012 (Commission File No. 000-27261), and incorporated herein by reference)
- +10.11 Form of Indemnification Agreement between CH2M HILL Companies, Ltd. and directors, effective as of October 1, 2015 (filed as Exhibit 10.9 to CH2M's Form 10-K filed for the year ended December 25, 2015 (Commission File 000-27261), and incorporated herein by reference)
- +10.12 Form of Indemnification Agreement between CH2M HILL Companies, Ltd. and executive officers, effective as of October 1, 2015 (filed as Exhibit 10.10 to CH2M's Form 10-K filed for the year ended December 25, 2015 (Commission File 000-27261), and incorporated herein by reference)
- 10.13 Contract with Neidiger, Tucker, Bruner, Inc. dated as of July 1, 2006 (filed as Exhibit 10.12 to CH2M's Form 10-K for the year ended December 31, 2010 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.14 Addendum to Contract with Neidiger, Tucker, Bruner, Inc. dated as of February 11, 2011 (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended March 31, 2011 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.15 Addendum to Contract with Neidiger, Tucker, Bruner, Inc. dated as of June 21, 2012 (filed as Exhibit 10.4 to CH2M's Form 10-Q for the quarter ended June 30, 2012 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.16 Addendum to Contract with Neidiger, Tucker, Bruner, Inc. dated as of June 6, 2014 (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended June 30, 2014 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.17 Addendum to Contract with Neidiger, Tucker, Bruner, Inc. dated as of May 29, 2015 (filed as Exhibit 10.2 to CH2M's Form 10-Q for the quarter ended June 26, 2015 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.18 Addendum to Contract with Neidiger, Tucker, Bruner, Inc. dated as of May 25, 2016 (filed as Exhibit 10.3 to CH2M's Form 10-Q for the quarter ended June 24, 2016 (Commission File No. 000-27261), and incorporated herein by reference)

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- 10.19 Second Amended and Restated Credit Agreement dated as of March 28, 2014, by and among CH2M HILL Companies, Ltd. and certain of its subsidiaries, Wells Fargo Bank, National Association, and other lenders as party thereto (filed as Exhibit 10.2 to CH2M's Form 10-Q for the quarter ended March 30, 2014 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.20 First Amendment to Credit Agreement dated as of September 26, 2014, by and among CH2M HILL Companies, Ltd. and certain of its subsidiaries, Wells Fargo Bank, National Association, and other lenders as party thereto (filed as Exhibit 10.2 to CH2M's Form 10-Q for the quarter ended September 30, 2014 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.21 Second Amendment to Credit Agreement dated as of March 30, 2015, by and among CH2M HILL Companies, Ltd. and certain of its subsidiaries, Wells Fargo Bank, National Association, and other lenders as party thereto (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended March 27, 2015 (Commission File No. 000-27261), and incorporated herein by reference)
- 10.22 Third Amendment to Credit Agreement dated as of September 30, 2016, to the Second Amended and Restated Credit Agreement dated as of March 28, 2014, by and among CH2M HILL Companies, Ltd. and certain of its subsidiaries, Wells Fargo Bank, National Association, and other lenders as party thereto (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended September 30, 2016 (Commission File No. 000-27261), and incorporated herein by reference)
- +10.23 Separation, Waiver and General Release Agreement entered into on May 29, 2015 by and between CH2M and J. Robert Berra (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended June 26, 2015 (Commission File No. 000-27261), and incorporated by reference)
- +10.24 Retirement Transition Agreement between CH2M and John Madia dated October 6, 2015 (filed as Exhibit 10.1 to CH2M's Form 10-Q for the quarter ended September 25, 2015 (Commission File No. 000-27261), and incorporated by reference)
- 10.25 Subscription Agreement dated May 27, 2015 between CH2M HILL Companies, Ltd. and AP VIII CH2 Holdings, L.P. (filed as Exhibit 99.1 to CH2M's Form 8-K on May 28, 2015 (Commission File No. 000-27261), and incorporated by reference)
- 10.26 Investor Rights Agreement dated June 24, 2015, among CH2M HILL Companies, Ltd. and AP VIII CH2 Holdings, L.P. (filed as Exhibit 99.1 to CH2M's Form 8-K on June 24, 2015 (Commission File No. 000-27261), and incorporated by reference)
- *21.1 Subsidiaries of CH2M HILL Companies, Ltd.
- *23.1 Consent of KPMG LLP, Independent Registered Public Accounting Firm
- *24.1 Power of Attorney authorizing signature
- *31.1 Written Statement of Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
- *31.2 Written Statement of Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
- *32.1 Written Statement of Chief Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. Section 1350)
- *32.2 Written Statement of Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. Section 1350)
- 99.1 Internal Market Rules effective November 14, 2014 (filed as Exhibit 99.1 to CH2M's Form 10-K on February 25, 2015 (Commission File No. 000-27261), and incorporated by reference)
- *101.INS XBRL Instance Document
- *101.SCH XBRL Taxonomy Extension Schema Document

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- *101.CAL XBRL Taxonomy Extension Calculation Linkbase Document
- *101.LAB XBRL Taxonomy Extension Labels Linkbase Document
- *101.PRE XBRL Taxonomy Extension Presentation Linkbase Document
- *101.DEF XBRL Taxonomy Extension Definition Linkbase Document

* Filed herewith

Report of Independent Registered Public Accounting Firm

The Board of Directors and Stockholders
CH2M HILL Companies, Ltd.:

We have audited the accompanying consolidated balance sheets of CH2M HILL Companies, Ltd. and subsidiaries (the Company) as of December 30, 2016 and December 25, 2015, and the related consolidated statements of operations, comprehensive income (loss), stockholders' equity, and cash flows for each of the years in the three year period ended December 30, 2016. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of CH2M HILL Companies, Ltd. and subsidiaries as of December 30, 2016 and December 25, 2015, and the results of their operations and their cash flows for each of the years in the three year period ended December 30, 2016, in conformity with U.S. generally accepted accounting principles.

/s/ KPMG LLP

Denver, Colorado
March 7, 2017

CH2M HILL COMPANIES, LTD. AND SUBSIDIARIES

Consolidated Balance Sheet

(Dollars in thousands)

	December 30, 2016	December 25, 2015
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 131,029	\$ 197,021
Receivables, net—		
Client accounts	604,150	739,532
Unbilled revenue	530,751	601,713
Other	11,485	17,316
Income tax receivable	18,375	19,800
Prepaid expenses and other current assets	94,107	95,809
Total current assets	1,389,897	1,671,191
Investments in unconsolidated affiliates	66,329	84,296
Property, plant and equipment, net	248,432	203,666
Goodwill	477,752	510,985
Intangible assets, net	38,024	59,011
Deferred income taxes	363,251	255,385
Employee benefit plan assets and other	86,777	76,765
Total assets	\$ 2,670,462	\$ 2,861,299
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Current portion of long-term debt	\$ 2,242	\$ 2,069
Accounts payable and accrued subcontractor costs	415,251	504,098
Billings in excess of revenue	226,568	302,647
Accrued payroll and employee related liabilities	272,458	328,585
Other accrued liabilities	398,842	338,926
Total current liabilities	1,315,361	1,476,325
Long-term employee related liabilities	308,118	599,033
Long-term debt	495,632	299,593
Other long-term liabilities	105,813	109,017
Total liabilities	2,224,924	2,483,968
Commitments and contingencies (Note 18)		
Stockholders' equity:		
Preferred stock, \$0.01 par value, 50,000,000 shares authorized of which 10,000,000 are designated as Series A; 4,821,600 and 3,214,400 issued and outstanding at December 30, 2016 and as of December 25, 2015, respectively	48	32
Common stock, \$0.01 par value, 100,000,000 shares authorized; 25,148,399 and 26,282,913 issued and outstanding at December 30, 2016 and December 25, 2015, respectively	251	263
Additional paid-in capital	169,573	125,381
Retained earnings	586,252	561,213
Accumulated other comprehensive loss	(209,408)	(274,704)
Total CH2M common stockholders' equity	546,716	412,185
Noncontrolling interests	(101,178)	(34,854)
Total stockholders' equity	445,538	377,331
Total liabilities and stockholders' equity	\$ 2,670,462	\$ 2,861,299

The accompanying notes are an integral part of these consolidated financial statements.

CH2M HILL COMPANIES, LTD. AND SUBSIDIARIES

Consolidated Statements of Operations

(Dollars in thousands except per share amounts)

	December 30, 2016	December 25, 2015	December 31, 2014
Gross revenue	\$ 5,235,944	\$ 5,361,505	\$ 5,413,469
Equity in earnings of joint ventures and affiliated companies	51,957	46,765	54,918
Operating expenses:			
Direct cost of services	(4,614,283)	(4,343,156)	(4,643,540)
Selling, general and administrative	(913,722)	(930,273)	(1,093,121)
Impairment losses on goodwill and intangibles	—	—	(73,312)
Operating (loss) income	(240,104)	134,841	(341,586)
Other income (expense):			
Interest income	544	211	704
Interest expense	(16,183)	(14,551)	(14,926)
Income (loss) before benefit (provision) for income taxes	(255,743)	120,501	(355,808)
Benefit (provision) for income taxes	131,489	(28,384)	37,206
Net (loss) income	(124,254)	92,117	(318,602)
Less: Loss (income) attributable to noncontrolling interests	139,292	(11,714)	137,065
Net income (loss) attributable to CH2M	\$ 15,038	\$ 80,403	\$ (181,537)
Net income (loss) attributable to CH2M per common share ¹ :			
Basic	\$ 0.03	\$ 2.62	\$ (6.42)
Diluted	\$ 0.03	\$ 2.61	\$ (6.42)
Weighted average number of common shares:			
Basic	25,648,091	27,119,498	28,256,864
Diluted	25,732,114	27,181,179	28,256,864

¹ Represents net (loss) income attributable to CH2M less (i) income allocated to preferred stockholders of \$152 for the year ended December 30, 2016 and \$4,279 for the year ended December 25, 2015, respectively, and (ii) accrued dividends attributable to preferred stockholders of \$14,006 and \$5,088 for the years ended December 30, 2016 and December 25, 2015, respectively.

The accompanying notes are an integral part of these consolidated financial statements.

CH2M HILL COMPANIES, LTD. AND SUBSIDIARIES

Consolidated Statements of Comprehensive Income (Loss)

(Dollars in thousands)

	December 30, 2016	December 25, 2015	December 31, 2014
Net (loss) income	\$ (124,254)	\$ 92,117	\$ (318,602)
Other comprehensive income (loss):			
Foreign currency translation adjustments	(27,141)	(32,181)	(23,903)
Benefit plan adjustments, net of tax	92,437	29,834	(109,279)
Unrealized (loss) gain on available-for-sale securities:			
Loss on available-for-sale securities and other, net of tax	—	—	(27)
Less: reclassification adjustment for gains included in net income, net of tax	—	—	(185)
Other comprehensive income (loss)	65,296	(2,347)	(133,394)
Comprehensive (loss) income	(58,958)	89,770	(451,996)
Less: comprehensive (loss) income attributable to noncontrolling interests	(126,402)	11,714	(137,065)
Comprehensive income (loss) attributable to CH2M	\$ 67,444	\$ 78,056	\$ (314,931)

The accompanying notes are an integral part of these consolidated financial statements.

CH2M HILL COMPANIES, LTD. AND SUBSIDIARIES

Consolidated Statements of Stockholders' Equity

(Dollars in thousands)

	Preferred Stock		Common Stock		Additional	Retained	Accumulated	Noncontrolling	Total
	Shares	Amount	Shares	Amount	Paid-In	Earnings	Other Comprehensive Loss	Interest	Stockholders' Equity
Balance at December 31, 2013	—	\$ —	28,782,277	\$ 288	\$ —	\$ 763,095	\$ (138,963)	\$ 18,164	\$ 642,584
Net loss	—	—	—	—	—	(181,537)	—	(137,065)	(318,602)
Other comprehensive (loss) income:									
Foreign currency translation adjustments	—	—	—	—	—	—	(23,903)	—	(23,903)
Benefit plan adjustments, net of tax	—	—	—	—	—	—	(109,279)	—	(109,279)
Unrealized loss on equity investments, net of tax	—	—	—	—	—	—	(27)	—	(27)
Reclassification adjustment for gains included in net income, net of tax	—	—	—	—	—	—	(185)	—	(185)
Distributions to affiliates, net	—	—	—	—	—	—	—	(6,289)	(6,289)
Shares issued in connection with stock based compensation and employee benefit plans	—	—	934,514	9	48,949	—	—	—	48,958
Shares issued in connection with purchase of TERA	—	—	170,088	2	10,829	—	—	—	10,831
Shares purchased and retired	—	—	(2,563,309)	(26)	(59,778)	(96,716)	—	—	(156,520)
Balance at December 31, 2014	—	\$ —	27,323,570	\$ 273	\$ —	\$ 484,842	\$ (272,357)	\$ (125,190)	\$ 87,568
Net income	—	—	—	—	—	80,403	—	11,714	92,117
Other comprehensive (loss) income:									
Foreign currency translation adjustments	—	—	—	—	—	—	(32,181)	—	(32,181)
Benefit plan adjustments, net of tax	—	—	—	—	—	—	29,834	—	29,834
Investments in affiliates, net	—	—	—	—	—	—	—	78,622	78,622
Shares issued in connection with stock based compensation and employee benefit plans	—	—	607,846	6	32,968	—	—	—	32,974
Series A Preferred Stock issued for cash	3,214,400	32	—	—	191,645	—	—	—	191,677
Shares purchased and retired	—	—	(1,648,503)	(16)	(99,232)	(4,032)	—	—	(103,280)
Balance at December 25, 2015	3,214,400	32	26,282,913	263	125,381	561,213	(274,704)	(34,854)	377,331
Cumulative retained earnings adjustment due to ASU 2016-09	—	—	—	—	—	11,078	—	—	11,078
Balance at December 26, 2015	3,214,400	32	26,282,913	263	125,381	572,291	(274,704)	(34,854)	388,409
Net income (loss)	—	—	—	—	—	15,038	—	(139,292)	(124,254)
Other comprehensive (loss) income:									
Foreign currency translation adjustments	—	—	—	—	—	—	(27,141)	—	(27,141)
Benefit plan adjustments, net of tax	—	—	—	—	—	—	79,547	—	79,547
Shares issued to noncontrolling interest in Halcrow Group Limited	—	—	—	—	11,838	—	12,890	(24,688)	40
Acquisition of controlling interest in joint venture	—	—	—	—	—	—	—	6,058	6,058
Investments in affiliates, net	—	—	—	—	—	—	—	91,598	91,598
Shares issued in connection with stock based compensation and employee benefit plans	—	—	581,502	6	36,289	—	—	—	36,295
Series A Preferred Stock issued for cash	1,607,200	16	—	—	100,861	(1,077)	—	—	99,800
Shares purchased and retired	—	—	(1,716,016)	(18)	(104,796)	—	—	—	(104,814)
Balance at December 30, 2016	4,821,600	\$ 48	25,148,399	\$ 251	\$ 169,573	\$ 586,252	\$ (209,408)	\$ (101,178)	\$ 445,538

The accompanying notes are an integral part of these consolidated financial statements.

CH2M HILL COMPANIES, LTD. AND SUBSIDIARIES

Consolidated Statements of Cash Flow s

(Dollars in thousands)

	For The Years Ended		
	December 30, 2016	December 25, 2015	December 31, 2014
Cash flows from operating activities:			
Net (loss) income	\$ (124,254)	\$ 92,117	\$ (318,602)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:			
Depreciation and amortization	63,524	72,430	89,341
Stock - based employee compensation	36,295	32,975	48,958
Loss (gain) on disposal of property, plant and equipment	4,003	(3,823)	(660)
Loss on goodwill and intangible impairment	-	-	73,312
Allowance for uncollectible accounts	5,864	2,013	2,582
Deferred income taxes	(112,471)	(5,274)	(62,500)
Undistributed earnings from unconsolidated affiliates	(51,957)	(46,765)	(54,918)
Distributions of income from unconsolidated affiliates	50,302	53,313	52,909
Contributions to defined benefit pension plans	(153,993)	(37,100)	(38,327)
Gain on pension curtailment and settlements	(5,802)	-	-
Excess tax benefits (costs) from stock - based compensation	3,918	(6,980)	7,628
Changes in assets and liabilities, net of businesses acquired:			
Receivables and unbilled revenue	204,018	(15,553)	13,601
Prepaid expenses and other	(11,110)	(11,011)	(6,829)
Accounts payable and accrued subcontractor costs	(110,052)	(21,355)	73,289
Billings in excess of revenues	(71,368)	(26,373)	(13,429)
Accrued payroll and employee related liabilities	(49,654)	50,851	(35,142)
Other accrued liabilities	81,223	(57,881)	219,290
Current income taxes	(1,475)	9,880	(16,238)
Long - term employee related liabilities and other	(2,526)	21,691	32,663
Net cash (used in) provided by operating activities	(245,515)	103,155	66,928
Cash flows from investing activities:			
Capital expenditures	(99,068)	(33,423)	(74,863)
Acquisition related payments	(18,004)	-	(87,607)
Investments in unconsolidated affiliates	(15,797)	(30,392)	(16,477)
Distributions of capital from unconsolidated affiliates	17,496	31,420	14,280
Proceeds from sale of operating assets	3,067	40,952	1,875
Other investing activities	-	-	864
Net cash (used in) provided by investing activities	(112,306)	8,557	(161,928)
Cash flows from financing activities:			
Borrowings on long - term debt	2,342,358	2,350,385	1,882,655
Payments on long - term debt	(2,148,633)	(2,561,919)	(1,760,670)
Repurchases and retirements of common stock	(104,814)	(96,301)	(164,343)
Proceeds from issuance of preferred stock	99,800	191,677	-
Payments related to net settlement of stock based compensation	(4,117)	(4,840)	(6,502)
Net contributions from (distributions to) noncontrolling interests	91,638	78,622	(6,289)
Net cash provided by (used in) financing activities	276,232	(42,376)	(55,149)
Effect of exchange rate changes on cash	15,597	(3,792)	(12,635)
(Decrease) increase in cash and cash equivalents	(65,992)	65,544	(162,784)
Cash and cash equivalents, beginning of year	197,021	131,477	294,261
Cash and cash equivalents, end of year	\$ 131,029	\$ 197,021	\$ 131,477
Supplemental disclosures:			
Cash paid for interest	\$ 15,279	\$ 14,375	\$ 15,169
Cash paid for income taxes	\$ 10,890	\$ 24,391	\$ 30,070

The accompanying notes are an integral part of these consolidated financial statements.

(1) Summary of Business and Significant Accounting Policies

Summary of Business

CH2M HILL Companies, Ltd. and subsidiaries ("We", "Our", "CH2M" or the "Company") is a large employee-controlled professional engineering services firm, founded in 1946, providing engineering, construction, consulting, design, design-build, procurement, engineering-procurement-construction ("EPC"), operations and maintenance, program management and technical services to U.S. federal, state, municipal and local government agencies, national governments, as well as private industry and utilities, around the world. A substantial portion of our professional fees are derived from projects that are funded directly or indirectly by government entities.

Basic Presentation and Principles of Consolidation

The consolidated financial statements (referred to herein as "financial statements") are prepared in accordance with U.S. generally accepted accounting principles ("U.S. GAAP"). The consolidated financial statements include the accounts of CH2M and all of its wholly owned subsidiaries after elimination of all intercompany accounts and transactions. Partially owned affiliates and joint ventures are evaluated for consolidation. The consolidated financial statements include the accounts of all joint ventures in which the Company is the primary beneficiary.

The equity method of accounting is used for investments in companies which we do not control. Our consolidated net income includes our proportionate share of the net income or loss of these companies. The cost method of accounting is used for our investments in companies that we do not control and for which we do not have the ability to exercise significant influence over operating and financial policies. These investments are recorded at cost.

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make certain estimates, judgments, and assumptions. These estimates, judgments and assumptions can affect the reported amounts of assets and liabilities as of the date of the consolidated financial statements, as well as the reported amounts of revenue and expenses during the periods presented. Actual results could differ from our estimates.

Capital Structure

Our Company has authorized 100,000,000 shares of common stock, par value \$0.01 per share, and 50,000,000 shares of Class A preferred stock, par value \$0.01 per share. The bylaws and articles of incorporation provide for the imposition of certain restrictions on the stock including, but not limited to, the right but not the obligation to repurchase shares upon termination of employment or affiliation, the right of first refusal and ownership limits.

Change in Fiscal Year End

On March 30, 2015, in order to accommodate our financial accounting systems and the timely gathering and reporting of financial information, we changed our reporting period from a calendar year ending on December 31 of each year to a fiscal year ending on the last Friday of December of each year, which in certain years results in a 53-week fiscal year. Our fiscal quarters also end on the last Friday of March, June, and September. This change has been retroactively applied as if it was adopted as of January 1, 2015. The change in fiscal year-end did not have a material effect on the comparability of the periods presented.

Foreign Currency Translation

All assets and liabilities of our foreign subsidiaries are translated into U.S. dollars as of each balance sheet date. Translation gains and losses related to permanent investments in foreign subsidiaries are reflected in stockholders' equity as part of accumulated other comprehensive loss. Revenues and expenses are translated at the average exchange rate for the period and included in the consolidated statements of operations. Foreign currency transaction gains and losses are recognized as incurred in the consolidated statements of operations.

Revenue Recognition

We earn revenue from different types of services performed under various types of contracts, including cost-plus, fixed-price and time-and-materials. We evaluate contractual arrangements to determine how to recognize revenue. We primarily perform

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engineering and construction related services and recognize revenue for these contracts on the percentage-of-completion method where progress towards completion is measured by relating the actual cost of work performed to date to the current estimated total cost of the respective contract. In making such estimates, judgments are required to evaluate potential variances in schedule, the cost of materials and labor, productivity, subcontractor costs, liability claims, contract disputes, and achievement of contract performance standards. We record the cumulative effect of changes in contract revenue and cost at completion in the period in which the changed estimates are determined to be reliably estimable.

Below is a description of the four basic types of contracts from which we may earn revenue:

Cost-Plus Contracts. Cost-plus contracts can be cost plus a fixed fee or rate, or cost plus an award fee. Under these types of contracts, we charge our clients for our costs, including both direct and indirect costs, plus a fixed fee or an award fee. We generally recognize revenue based on the labor and non-labor costs we incur, plus the portion of the fixed fee or award fee we have earned to date.

Included in the total contract value for cost-plus fee arrangements is the portion of the fee for which receipt is determined to be probable. Award fees are influenced by the achievement of contract milestones, cost savings and other factors.

Fixed Price Contracts. Under fixed-price contracts, our clients pay us an agreed amount negotiated in advance for a specified scope of work. For engineering and construction contracts, we recognize revenue on fixed-price contracts using the percentage-of-completion method where direct costs incurred to date are compared to total projected direct costs at contract completion. Prior to completion, our recognized profit margins on any fixed-price contract depend on the accuracy of our estimates and will increase to the extent that our actual costs are below the original estimated amounts. Conversely, if our costs exceed these estimates, our profit margins will decrease, and we may realize a loss on a project. The significance of these estimates varies with the complexity of the underlying project, with our large, fixed-price EPC projects being most significant.

Time-and-Materials Contracts. Under our time-and-materials contracts, we negotiate hourly billing rates and charge our clients based on the actual time that we expend on a project. In addition, clients reimburse us for our actual out of pocket costs of materials and other direct expenditures that we incur in connection with our performance under the contract. Our profit margins on time-and-materials contracts fluctuate based on actual labor and overhead costs that we directly charge or allocate to contracts compared with the negotiated billing rate and markup on other direct costs. Some of our time-and-materials contracts are subject to maximum contract values, and accordingly, revenue under these contracts is recognized under the percentage-of-completion method where costs incurred to date are compared to total projected costs at contract completion. Revenue on contracts that is not subject to maximum contract values is recognized based on the actual number of hours we spend on the projects plus any actual out of pocket costs of materials and other direct expenditures that we incur on the projects.

Operations and Maintenance Contracts. A portion of our contracts are operations and maintenance type contracts. Revenue is recognized on operations and maintenance contracts on a straight-line basis over the life of the contract once we have an arrangement, service has begun, the price is fixed or determinable and collectability is reasonably assured.

For all contract types noted above, change orders are included in total estimated contract revenue when it is probable that the change order will result in an addition to contract value and when the change order can be estimated. Management evaluates when a change order is probable based upon its experience in negotiating change orders, the customer's written approval of such changes or separate documentation of change order costs that are identifiable. Additional contract revenue related to claims is included in total estimated contract revenue when the amount can be reliably estimated, which is typically evidenced by a contract or other evidence providing a legal basis for the claim.

Losses on construction and engineering contracts in process are recognized in their entirety when the loss becomes evident and the amount of loss can be reasonably estimated.

Unbilled Revenue and Billings in Excess of Revenue

Unbilled revenue represents the excess of contract revenue recognized over billings to date on contracts in process. These amounts become billable according to the contract terms, which usually consider the passage of time, achievement of certain milestones or completion of the project.

Billings in excess of revenue represent the excess of billings to our clients to date, per the contract terms, over work performed and revenue recognized on contracts in process using the percentage-of-completion method.

Allowance for Uncollectible Accounts Receivable

We reduce accounts receivable by estimating an allowance for amounts that may become uncollectible in the future. Management determines the estimated allowance for uncollectible amounts based on their judgments in evaluating the aging of the receivables and the financial condition of our clients, which may be dependent on the type of client and the client's current financial condition.

Fair Value Measurements

Fair value represents the price that would be received to sell an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Assets and liabilities are valued based upon observable and non-observable inputs. Valuations using Level 1 inputs are based on unadjusted quoted prices that are available in active markets for the identical assets or liabilities at the measurement date. Level 2 inputs utilize significant other observable inputs available at the measurement date, other than quoted prices included in Level 1, either directly or indirectly; and valuations using Level 3 inputs are based on significant unobservable inputs that cannot be corroborated by observable market data and reflect the use of significant management judgment. There were no significant transfers between levels during any period presented.

Restructuring and Related Charges

An exit activity includes but is not limited to a restructuring, such as a sale or termination of a line of business, the closure of business activities in a particular location, the relocation of business activities from one location to another, changes in management structure, and a fundamental reorganization that affects the nature and focus of operations. The Company recognizes a current and long-term liability, within other accrued liabilities and other long term liabilities, respectively, and the related expense, within general and administration expense, for restructuring costs when the liability is incurred and can be measured. Restructuring accruals are based upon management estimates at the time they are recorded and can change depending upon changes in facts and circumstances subsequent to the date the original liability was recorded. Nonretirement postemployment benefits offered as special termination benefits to employees, such as a voluntary early retirement program, are recognized as a liability and a loss when the employee accepts the offer and the amount can be reasonably estimated.

Income Taxes

We account for income taxes utilizing an asset and liability approach that requires the recognition of deferred tax assets and liabilities for the expected future tax effects of events that have been recognized in the financial statements or tax returns. In estimating future tax consequences, we generally consider all expected future events other than enactment of changes in the tax laws or rates. Deferred tax assets and liabilities are determined based on the difference between the tax basis of assets and liabilities and their reported amounts using enacted tax rates in effect for the year in which differences are expected to reverse. A valuation allowance is provided for deferred tax assets if it is more likely than not that these items will not be realized. Annually, we determine the amount of undistributed foreign earnings invested indefinitely in our foreign operations. Deferred taxes are not provided on those earnings. In addition, the calculation of tax assets and liabilities involves uncertainties in the application of complex tax regulations. For income tax benefits to be recognized, a tax position must be more likely than not to be sustained upon examination by taxing authorities. We record reserves for uncertain tax positions that do not meet these criteria.

Cash and Cash Equivalents

Highly liquid investments with original short-term maturities of less than three months are considered cash equivalents in the consolidated balance sheets and statements of cash flows. We maintain a domestic cash management system which provides for cash sufficient to satisfy financial obligations as they are submitted for payment and any excess cash in domestic bank accounts is applied against any outstanding debt held under our credit facility described below. If there is no balance outstanding on the credit facility, we invest cash in excess of this amount in money market funds. In addition, cash and cash equivalents on our consolidated balance sheets include cash held within our consolidated joint venture entities which is used for operating activities of those joint ventures. As of December 30, 2016 and December 25, 2015, cash and cash equivalents held in our consolidated joint ventures and reflected on the consolidated balance sheets totaled \$46.6 million and \$95.4 million, respectively.

Property, Plant and Equipment

All additions, including improvements to existing facilities, are recorded at cost. Maintenance and repairs are charged to expense as incurred. When assets are retired or otherwise disposed of, the cost of the assets and the related accumulated depreciation are removed from the accounts. Any gain or loss on retirements is reflected in operating income in the year of disposition.

Depreciation for owned property is based on the estimated useful lives of the assets using the straight-line method for financial statement purposes. Useful lives for buildings and land improvements range from twelve to twenty years. Furniture and fixtures, computers and office equipment, and field equipment are depreciated over their useful lives from three to ten years. Leasehold improvements are depreciated over the shorter of their estimated useful life or the remaining term of the associated lease.

Goodwill

Goodwill represents the excess of costs over fair value of the assets of businesses we have acquired. Goodwill acquired in a purchase business combination is not amortized, but instead, is tested for impairment at least annually. Our annual goodwill impairment test is conducted as of the first day of the fourth quarter of each year, however, upon the occurrence of certain triggering events, we are also required to test for impairment at dates other than the annual impairment testing date. In performing the impairment test, we evaluate our goodwill at the reporting unit level. We have the option to assess either quantitative or qualitative factors to determine whether it is more likely than not that the fair values of our reporting units are less than their carrying amounts. If after assessing the totality of events or circumstances, we determine that it is not more likely than not that the fair values of our reporting units are less than their carrying amounts, then the next step of the impairment test is unnecessary. If we conclude otherwise, then we are required to test goodwill for impairment under the two-step process. The two-step process involves comparing the estimated fair value of each reporting unit to the unit's carrying value, including goodwill. If the carrying value of a reporting unit does not exceed its fair value, the goodwill of the reporting unit is not considered impaired; therefore, the second step of the impairment test is unnecessary. If the carrying amount of a reporting unit exceeds its estimated fair value, we would then perform a second step to measure the amount of goodwill impairment loss to be recorded.

We determine the fair value of our reporting units using a combination of the income approach, the market approach, and the cost approach. The income approach calculates the present value of future cash flows based on assumptions and estimates derived from a review of our expected revenue growth rates, profit margins, business plans, cost of capital and tax rates for the reporting units. Our market based valuation method estimates the fair value of our reporting units by the application of a multiple to our estimate of a cash flow metric for each business unit. The cost approach estimates the fair value of a reporting unit as the net replacement cost using current market quotes.

Intangible Assets

We may acquire other intangible assets in business combinations. Intangible assets are stated at fair value as of the date they are acquired in a business combination. We amortize intangible assets with finite lives on a straight-line basis over their expected useful lives, currently up to ten years. We test our intangible assets for impairment in the period in which a triggering event or change in circumstance indicates that the carrying amount of the intangible asset may not be recoverable. If the carrying amount of the intangible asset exceeds the fair value, an impairment loss will be recognized in the amount of the excess. We determine the fair value of the intangible assets using a discounted cash flow approach.

Accumulated Other Comprehensive Loss

Accumulated other comprehensive loss consists of foreign currency translation adjustments and benefit plan adjustments, as discussed in more detail in Note 16 – *Employee Retirement Plans*. These components are included in the consolidated statements of stockholders' equity and consolidated statements of comprehensive income. Taxes are not provided on the foreign currency translation gains and losses as deferred taxes are not provided on the unremitted earnings of the foreign subsidiaries to which they relate.

For the year ended December 30, 2016, changes to accumulated other comprehensive loss are as follows:

(\$ in thousands)	2016
Benefit plans:	
Balance at beginning of year	\$ (225,669)
Benefit plan adjustments	72,402
Noncontrolling interest in Halcrow Group Limited	12,890
Other comprehensive income recognized during the year	7,145
Balance at end of year	<u>\$ (133,232)</u>
Foreign currency translation:	
Balance at beginning of year	\$ (49,035)
Other comprehensive loss recognized during the year	(27,141)
Balance at end of year	<u>\$ (76,176)</u>

Other comprehensive income related to our benefit plans includes pretax adjustments of \$95.5 million (\$72.4 million, net of tax) for the year ended December 30, 2016. Other comprehensive income is recognized within the selling, general and administrative expense on our consolidated statements of operations.

Derivative Instruments

We primarily enter into derivative financial instruments to mitigate exposures to changing foreign currency exchange rates on our earnings and cash flows. We are primarily subject to this risk on long-term projects whereby the currency being paid by our client differs from the currency in which we incurred our costs, as well as intercompany trade balances among entities with differing currencies. We do not enter into derivative transactions for speculative or trading purposes. All derivatives are carried at fair value on the consolidated balance sheets in other receivables or other accrued liabilities as applicable. The periodic change in the fair value of the derivative instruments related to our business group operations is recognized in earnings within direct costs. The periodic change in the fair value of the derivative instruments related to our general corporate foreign currency exposure is recognized within selling, general and administrative expense.

Concentrations of Credit Risk

Financial instruments which potentially subject our company to concentrations of credit risk consist principally of cash and cash equivalents, short term investments and trade receivables. Our cash is primarily held with major banks and financial institutions throughout the world and typically is insured up to a set amount. Accordingly, we believe the risk of any potential loss on deposits held in these institutions is minimal. Concentrations of credit risk relative to trade receivables are limited due to our diverse client base, which includes the U.S. federal government, various states and municipalities, foreign government agencies, and a variety of U.S. and foreign corporations operating in a broad range of industries and geographic areas.

Contracts with the U.S. federal government and its prime contractors usually contain standard provisions for permitting the government to modify, curtail or terminate the contract for convenience of the government or such prime contractors if program requirements or budgetary constraints change. Upon such a termination, we are generally entitled to recover costs incurred, settlement expenses and profit on work completed prior to termination.

Recent Accounting Standards

In January 2017, the FASB issued Accounting Standard Update ("ASU") 2017-04, *Intangibles-Goodwill and Other (Topic 350): Simplifying the Test of Goodwill Impairment*. This ASU was issued with the objective of simplifying the subsequent measurement of goodwill for public business entities and not-for-profit entities by eliminating the second step of the goodwill impairment test. As a result, an entity would perform its annual, or interim, goodwill impairment test by comparing the fair value of a reporting unit with its carrying amount and recognize an impairment charge for the amount by which the carrying amount exceeds the reporting unit's fair value. The loss recognized should not exceed the total amount of goodwill allocated to that reporting unit. This ASU will be effective for fiscal years beginning after December 15, 2019, and early adoption is permitted for interim and annual goodwill impairment tests performed on testing dates after January 1, 2017. We do not believe this ASU will have a material impact on our financial statements, and this change would not have impacted our 2016 annual impairment test conclusions. We plan to early adopt this ASU, and it will be effective for our annual goodwill impairment test to be conducted as of the first day of the fourth quarter.

of 2017.

In January 2017, the FASB issued Accounting Standard Update ("ASU") 2017-01, *Business Combinations (Topic 805): Clarifying the Definition of a Business*. This ASU clarifies the definition of a business with the objective of adding guidance to assist entities with evaluating whether transactions should be accounted for as acquisitions (or disposals) of assets or businesses. This ASU will be effective for fiscal years beginning after December 15, 2017, and should be applied prospectively. Once effective, we will apply this guidance to determine if certain transactions are acquisitions (or disposals) of assets or businesses, but we do not believe this ASU will materially change how we currently evaluate similar transactions.

In October 2016, the FASB issued ASU 2016-17, *Consolidation (Topic 810): Interests Held through Related Parties That Are under Common Control*. This standard amends the guidance issued with ASU 2015-02, *Consolidation (Topic 810): Amendments to the Consolidation Analysis* in order to make it less likely that a single decision maker would individually meet the characteristics to be the primary beneficiary of a Variable Interest Entity ("VIE"). When a decision maker or service provider considers indirect interests held through related parties under common control, they perform two steps. The second step was amended with this ASU to say that the decision maker should consider interests held by these related parties on a proportionate basis when determining the primary beneficiary of the VIE rather than in their entirety as was called for in the previous guidance. This ASU will be effective for fiscal years beginning after December 15, 2016, and early adoption is not permitted. We are currently evaluating the impact of the adoption of this ASU on our financial position and results of operations.

In October 2016, the FASB issued ASU 2016-16, *Income Taxes (Topic 740): Intra-Entity Transfers of Assets Other Than Inventory*. This ASU was issued with the objective to improve the accounting for the income tax consequences of intra-entity transfers of assets other than inventory. The new standard will require companies to recognize the income tax consequences of an intra-entity transfer of non-inventory asset when the transfer occurs. This ASU will be effective for fiscal years beginning after December 15, 2017, and early adoption is permitted. We are currently evaluating the impact of the adoption of this ASU on our financial position and results of operations.

In August 2016, the FASB issued ASU 2016-15, *Statement of Cash Flows (Topic 230): Classification of Certain Cash Receipts and Cash Payments*. This ASU provides guidance for eight specific changes with respect to how certain cash receipts and cash payments are classified within the statement of cash flows in order to reduce existing diversity in practice. This ASU will be effective for fiscal years beginning after December 15, 2017, with early adoption permitted, and it should be applied using a retroactive transition method to each period presented. We are currently evaluating the impacts the adoption of this standard will have on our consolidated statements of cash flows, focusing on the impact our cash flows related to distributions received from equity method investees and contingent consideration payments made subsequent to business combinations. We anticipate that approximately \$15.9 million of the acquisition related payments within our investing cash flows for the year ended December 30, 2016 will be reclassified to financing cash flows as a result of adopting this ASU.

In March 2016, the FASB issued ASU 2016-09, *Improvements to Employee Share-Based Payments Accounting*. The Company elected to early adopt ASU 2016-09 with an effective date of December 26, 2015. As a result, for the year ended December 30, 2016, the Company recognized the excess tax benefit of \$3.9 million within income tax benefit on the consolidated statements of operations, adopted prospectively, and previously unrecognized excess tax benefits of \$11.1 million resulted in a cumulative-effect adjustment to retained earnings. The adoption did not impact the existing classification of awards. Excess tax costs from stock-based compensation of \$7.0 million and excess tax benefits from stock-based compensation of \$7.6 million for the years ended December 25, 2015 and December 31, 2014, respectively, were restated into cash flows from operating activities from cash flows from financing activity. Additionally, adopted retrospectively, the Company reclassified \$4.8 million and \$6.5 million of employee withholding taxes paid from operating activities into financing activities for the years ended December 30, 2016 and December 25, 2015, respectively. Following the adoption of the standard, the Company elected to continue estimating the number of awards expected to be forfeited and adjust its estimate on an ongoing basis.

In February 2016, the FASB issued ASU 2016-02, *Leases*. This ASU is a comprehensive new leases standard that was issued to increase transparency and comparability among organizations by recognizing lease assets and lease liabilities on the balance sheet and disclosing key information about leasing arrangements. The amendments in this ASU are effective for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. We continue to assess the impact of adopting ASU 2016-02, but expect to record a significant amount of right-of-use assets and corresponding liabilities. Based upon our operating leases as of December 30, 2016, we have a total of \$540.6 million undiscounted future minimum lease payments, without consideration of sublease income.

In January 2016, the FASB issued Accounting Standards Update ("ASU") 2016-01, *Recognition and Measurement of*

Financial Assets and Financial Liabilities. The amendments issued with this ASU require equity securities (including other ownership interests, such as partnerships, unincorporated joint ventures, and limited liability companies) to be measured at fair value with changes in the fair value recognized through net income. An entity's equity investments that are accounted for under the equity method of accounting or result in consolidation of an investee are not included within the scope of this update. This ASU will be effective for annual reporting periods beginning after December 15, 2017 and interim periods within those annual periods, with early adoption permitted. We believe this standard's impact on CH2M will be limited to equity securities currently accounted for under the cost method of accounting, which as of December 30, 2016 are valued at \$3.5 million within investments in unconsolidated affiliates on the consolidated balance sheet. We do not expect the adoption of this standard to have a material impact on our consolidated statements of operations.

In November 2015, the FASB issued ASU 2015-17, *Balance Sheet Classification of Deferred Taxes*. The ASU simplifies the presentation of deferred income taxes by requiring that deferred tax liabilities and assets are classified as noncurrent in a classified statement of financial position. This simplification does not affect the current requirement that deferred tax liabilities and assets of a tax-paying component of an entity be offset and presented as a single amount. This ASU is effective for annual periods beginning after December 15, 2016 and interim periods within those annual periods. We have elected to early adopt this ASU as of December 26, 2015 in order to benefit from the simplification of the deferred income tax balance sheet presentation. We have applied the change in accounting principle retrospectively resulting in a total long-term deferred tax asset of \$255.4 million as of December 25, 2015, which had previously been reported as a current deferred tax asset of \$8.7 million and a long-term deferred tax asset of \$246.7 million.

In August 2014, the FASB issued ASU 2014-15, *Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern*. The ASU requires that management evaluate for each annual and interim reporting period whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the entity's ability to continue as a going concern within one year after the date the financial statements are issued. If there are conditions or events that raise substantial doubt about the entity's ability to continue as a going concern, additional disclosures are required, even if the substantial doubt is alleviated as a result of consideration of management's plans. This ASU became effective for our reporting periods beginning after December 15, 2016. The adoption of this standard did not have a material impact on our consolidated financial statements.

In May 2014, the FASB issued ASU 2014-09, *Revenue from Contracts with Customers* and subsequently modified with various amendments and clarifications. This ASU is a comprehensive new revenue recognition model that is based on the principle that an entity should recognize revenue to depict the transfer of goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods and services. The ASU also requires additional quantitative and qualitative disclosures about the nature, amount, timing and uncertainty of revenue and cash flows arising from contracts with customers, including significant judgments and changes in judgments and assets recognized from costs incurred to obtain or fulfill a contract. This ASU, as amended, is effective for annual reporting periods beginning after December 15, 2017 and interim periods within those annual periods. Companies may use either a full retrospective or a modified retrospective approach to adopt this ASU. CH2M is currently evaluating the impact of this ASU, the subsequently issued amendments, and the transition alternatives on its financial position and results of operations. We have begun categorizing our various contract revenue streams in order to isolate those that will be significantly impacted. Once we have completed the assessment of the impacted revenue streams, we can begin estimating the potential impact of the new standard as well as identify necessary controls, processes and information system changes.

(2) Changes in Project-Related Estimates

We have a fixed-price Transportation contract to design and construct roadway improvements on an expressway in the southwestern United States. The project is approximately 75% complete as of December 30, 2016. In 2014, we experienced unforeseen and unexpected cost growth resulting in charges to operations totaling \$38.7 million for the year ended December 31, 2014, which included both the reversal of previously recognized profits as well as the recording of the estimated total loss on the project at completion. In 2015, additional increases to the cost estimates were identified primarily caused by design changes for a water main relocation, the discovery of extremely hard and abrasive rock during construction, differing site conditions, unidentified and mismarked utilities, client requested changes, labor supply challenges in the construction market, lower than expected labor productivity, and severe adverse weather delays. These increased cost growth resulted in the recording of additional project losses of \$93.6 million in the year ended December 25, 2015.

During the first half of 2016, we estimated further cost growth in the amount of \$60.0 million as a result of a review of the covered scope of contracts, survey engineering and design challenges, rework of previously installed work and client-caused delays,

including limited daytime access to portions of the site, the sum of which resulted in increased material quantities and work and schedule extensions. We also had severe weather including record rainfall, and production shortfalls resulting from differing site conditions and engineering rework. Additionally, during the second half of 2016, we estimated additional cost growth of \$61.3 million due to continued survey engineering and design challenges, additional rework, greater than expected subcontractor costs, subcontracting work previously planned to be self-performed, delivery schedule extensions (which increased the overall estimated costs for labor and expenses), greater than expected construction material expenditures, and additional weather delays.

CH2M is seeking resolution of outstanding change orders and claims through a combination of submissions to the Disputes Board under the terms of the contract and direct negotiations with the client. Change orders and claims totaling approximately \$84.0 million have been submitted to the client. We have received favorable, non-binding recommendations from the Disputes Board on some of the claims. We have not been able to reach a mutual resolution with the client on these claims or the other change orders submitted. CH2M will continue to aggressively pursue its entitlements based on claims and change orders, including litigation if it cannot reach resolution with the client. Accordingly, we cannot currently estimate the timing or amounts of recoveries or costs that may be achieved or incurred through these resolution processes, and as such, we have not included any recoveries from these change orders and claims in our current estimated costs to complete.

While management believes that it has recorded an appropriate provision to complete the project, we may incur additional costs and losses if our cost estimation processes identify new costs not previously included in our total estimated loss. These possible cost increases include extensions of the schedule to complete the job, lower than expected productivity levels, and performance issues with our subcontractors. These potential changes in estimates could be materially adverse to the Company's results of operations, cash flow or liquidity.

Within our Power EPC segment, we were involved in a fixed-price EPC project in Australia through a consolidated joint venture partnership with an Australian construction contractor and a major U.S.-based gas power technology manufacturer (the "Consortium") to engineer, procure, construct and start-up a combined cycle power plant that will supply power to a large liquefied natural gas facility in Australia. As of December 30, 2016, the total contract value of the joint venture project was approximately \$520.0 million, and the project was approximately 85% complete. Due to a variety of issues, the joint experienced project losses of \$280.0 million in 2014, of which our portion of the loss was \$140.0 million.

During the second quarter of 2016, the client advised it was unable to meet various obligations in line with the program schedule as required under the terms of the contract. Subsequently in 2016, the client was unable to confirm the timing of its deliverables under the terms of the contract including the supply of feed gas, plant utilities and electrical power loads. As a result, the anticipated project completion date was expected to be delayed into 2018, thus significantly increasing the joint venture's costs estimated to complete the project. Additionally, forecasted productivity levels that were assumed for construction completion had not been achieved, including as a result of client delays and disruptions, also increasing the joint venture's total estimated costs to complete. As a result of these factors, as well as others, and inclusive of estimated anticipated further disruptions and inefficiencies, the joint venture recognized additional costs totaling \$301.5 million in 2016, of which our portion was \$154.1 million.

On January 24, 2017, the Consortium terminated its contract with its client the general contractor, JKC Australia LNG Pty (the "Contractor") on the grounds that the Contractor had by its actions repudiated the contract. The Contractor has claimed that the Consortium's termination was not valid. The Consortium, which includes the consolidated Australian joint venture partnership, expects to file arbitration claims against the Contractor during the first half of 2017, and anticipates that the Contractor will file counter claims. We expect a lengthy, multi-year arbitration process and at this time we are unable to predict the timing of resolution or the outcome of disputes. While we continue to assess the possible impacts to our financial statements, the ultimate outcome of the dispute will depend upon contested issues of fact and law. As a result of the contract termination, we evaluated the potential future costs as of December 30, 2016 in accordance with the accounting standards applicable to contingent liabilities. The joint venture has incurred costs totaling approximately \$20.0 million in 2017 to demobilize from the site and expects to continue to incur significant legal and other costs until the dispute is resolved. The Consortium is also in the process of determining the required costs to close out and terminate its current subcontractor obligations. These costs, which we expect will be incurred in 2017, have been accrued within our provision for loss accrual in our consolidated financial statements as of December 30, 2016 based upon our best estimate from the information currently available. It is possible that certain subcontractors could file claims against the Consortium as a result of our termination of their subcontract which could be material to our consolidated financial statements. Additionally, the joint venture's performance on the project is secured by certain bonds totaling approximately \$50.0 million which could potentially be called by our client at some time in the future. If we are ultimately unsuccessful in our claim that the contract was repudiated by our client, the Consortium could be liable for the completion of the project by a separate contractor and other related damages. These additional costs could be materially adverse to our results of operations, cash flow and financial condition in the future.

During 2014, we experienced significant cost growth on a fixed-price Power contract to design and construct a new power generation facility in the northeastern United States. These increases in costs resulted from multiple sources including a substantial decline in union labor productivity, poor subcontractor performance and the impacts of schedule delays caused by the above items and severe weather in the northeastern United States. The effect of these changes in estimates resulted in a charge to operations totaling \$64.4 million in the year ended December 31, 2014. There were no additional charges to operations in the year ended December 25, 2015 as the project achieved substantial completion in 2014. In the third quarter of 2016, we reached a final settlement with the client which did not materially change our financial position on the project. All obligations associated with this project are scheduled for final completion during the first quarter of 2017.

All reserves for project related losses are included in other current liabilities and totaled \$258.3 million and \$152.6 million as of December 30, 2016 and December 25, 2015, respectively. Of the amount included in the December 30, 2016 balance, \$90.1 million relates to accrued project losses attributable to, and payable by, the noncontrolling joint venture partner.

(3) Preferred Stock Issuance

As of December 30, 2016, the Company had 50,000,000 shares of preferred stock, \$0.01 par value, authorized. On June 22, 2015, the Company designated 10,000,000 shares as Series A Preferred Stock with an original issue price of \$62.22 under the Certificate of Designation. On June 24, 2015, the Company sold and issued an aggregate of 3,214,400 shares of Series A Preferred Stock for an aggregate purchase price of \$200.0 million in a private placement to a subsidiary owned by investment funds affiliated with Apollo Global Management, LLC (together with its subsidiaries, "Apollo"). Total proceeds from the preferred stock offering were \$191.7 million, net of issuance costs of \$8.3 million. The sale occurred in connection with the initial closing pursuant to the Subscription Agreement entered into by the Company and Apollo on May 27, 2015 ("Subscription Agreement"). On April 11, 2016, Apollo purchased an additional 1,607,200 shares of Series A Preferred Stock for an aggregate purchase price of approximately \$100.0 million in a second closing subject to the conditions within the Subscription Agreement. Total proceeds from the preferred stock offering were \$99.8 million, net of issuance costs of \$0.2 million.

Under our agreement with Apollo, the maximum consolidated leverage ratio is 3.00x for 2016 and beyond, consistent with our Third Amendment to our Amended and Restated Credit Agreement ("Amended Credit Agreement"). As of December 30, 2016, we were in compliance with this covenant. Management continually assesses its potential future compliance with the consolidated leverage ratio covenant based on estimates of future earnings and cash flows. If there is an expected possibility of non-compliance, we will discuss possibilities with Apollo to modify the covenant consistent with discussions with the Company's lenders or utilize other means of capitalizing the Company to anticipate or remedy any non-compliance. The expected cash outflows required to fund the project losses discussed in Note 2 – *Changes in Project-Related Estimates* and the related impact on earnings will put a financial strain on the Company that may require an amendment or other remedies to be pursued by management if certain earnings estimates or cash flow improvement initiatives are not achieved or if required to facilitate restructuring plans.

Additionally, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts in 2015 and 2016, and in excess of amounts determined by a negotiated formula in 2017 and beyond. In 2017, the Certificate of Designation for the Series A Preferred Stock prohibits the repurchase by the Company of shares of our common stock in excess of negotiated pre-approved amounts determined by a formula based upon our "Free Cash Flow" or our cash flow from operations, minus capital expenditures, for fiscal year 2016. Our Free Cash Flow was negative for the year ended December 30, 2016, and as a result, other than specified exemptions, the Company is prohibited from repurchasing shares of common stock in the internal market, except as legally required, unless it is able to obtain the consent of the holders of at least a majority of the Series A Preferred Stock. On January 17, 2017, the Company received from the Series A Preferred Stock holder, an acknowledgment and consent permitting the Company to spend up to \$25.0 million, in the aggregate, to repurchase shares of common stock in the first trade of 2017. No assurance can be given that in the future the Company will be able to obtain an acknowledgment and consent from the Series A Preferred Stockholder permitting the Company to repurchase common stock in the internal market.

Dividends. Dividends on the Series A Preferred Stock are cumulative and accrue quarterly in arrears at the annual rate of 5.0% on the sum of the original issue price of \$62.22 per share plus all accumulated and unpaid accruing dividends, regardless of whether or not declared by the Board. After June 24, 2020 (the "Fifth Anniversary"), the rate at which dividends accrue may increase from 5.0% to 10.0% or 15.0% if there was a failure of the stockholders to approve certain other actions to facilitate an initial public offering as well as a failure to approve a sale of the Company.

Dividends accruing on shares of Series A Preferred Stock prior to the Fifth Anniversary are not paid in cash or in kind but are added to the liquidation preference of the Series A Preferred Stock. After the Fifth Anniversary, dividends shall continue to accrue on

shares of Series A Preferred Stock and will be payable in cash at the election of the Board. However, if after the Fifth Anniversary if there was a failure of the stockholders to approve certain other actions to facilitate an initial public offering as well as a failure to approve a sale of the Company, dividends accrued on shares of Series A Preferred Stock will be payable in cash or in kind at the election of the holders of a majority of the outstanding shares of Series A Preferred Stock. Additionally, if the Company declares certain dividends on the common stock, the Company is required to declare and pay a dividend on the outstanding shares of Series A Preferred Stock on a pro rata basis with the common stock, determined on an as-converted basis.

Liquidation Preference. In the event of any liquidation, dissolution or winding up of the Company, whether voluntary or involuntary, or any other transaction deemed a liquidation event pursuant to the Certificate of Designation for the Series A Preferred Stock (including a sale of the Company), each holder of outstanding shares of Series A Preferred Stock will be entitled to be paid out of the assets of the Company available for distribution to stockholders before any payment may be made to the holders of common stock. Each holder would receive an amount equal to the number of outstanding Series A Preferred Stock shares held multiplied by \$62.22 plus either accrued and unpaid dividends on such shares or, if the liquidation event occurs before the Fifth Anniversary, an amount equal to all dividends that would have been accrued during the period from the date of issuance through the Fifth Anniversary, and any other dividends declared on such shares. However, if the amount that the holders of Series A Preferred Stock would have received if all outstanding shares of Series A Preferred Stock had been converted into common stock immediately prior to the liquidation event exceeded the amount discussed previously, the holders of Series A Preferred Stock will receive the greater amount.

Conversion. Each share of Series A Preferred Stock may be converted at any time at the option of the holder into a number of shares of common stock as is determined by dividing the original issue price of \$62.22 per share by the conversion price which is initially \$62.22. In the event that after the Fifth Anniversary the Board of Directors recommends to the Company's stockholders a sale of the company, but the Company's stockholders do not approve the recommended sale, then the conversion price would be reduced to \$52.63. Additionally, if there was a failure of the stockholders to approve certain other actions to facilitate an initial public offering of the Company's common stock as well as a failure to approve a sale of the Company recommended by the Board of Directors, then the conversion price would be \$47.86. The conversion price is also subject to adjustments on a broad-based, weighted-average basis upon the issuance of shares of common stock or certain equivalent securities at a price per share less than conversion price of \$62.22 or as then adjusted to date.

Mandatory conversion of the Series A Preferred Stock to common stock will occur immediately prior to the closing of any firm-commitment, underwritten public offering of the Company in which the aggregate proceeds to the Company exceed \$200.0 million, before deduction of underwriters' discounts and commissions, provided that the common stock is then listed on the New York Stock Exchange, its NYSE MKT or the Nasdaq Stock Market (or any successor exchange) and provided that the Company sells on a primary basis in such offering at least certain required amounts of shares. All outstanding Series A Preferred Stock, accrued and unpaid dividends accrued on such shares, or, in the event that the public offering occurs before the Fifth Anniversary, dividends that would have accrued during the period from the date of issuance through the Fifth Anniversary, as well as dividends declared and unpaid would be converted at the effective conversion price automatically. Or, all outstanding shares of Series A Preferred Stock, plus accrued and unpaid dividends, and dividends declared and unpaid will automatically be converted into shares of common stock upon written notice delivered to the Company by the holders of at least a majority of the then outstanding shares of Series A Preferred Stock.

Voting Rights. Each holder of outstanding shares of Series A Preferred Stock is entitled to vote with the holders of outstanding shares of common stock, voting together as a single class, with respect to any and all matters presented to the stockholders of the Company. Each outstanding share of Series A Preferred Stock is entitled to a number of votes equal to the number of shares of common stock into which it is convertible.

In addition, the Company may not take certain actions without first having obtained the affirmative vote or waiver of the holders of a majority of the outstanding shares of Series A Preferred Stock. These actions include, among other items, conducting certain liquidation events, entering into new lines of business, entering into agreements for certain acquisitions, joint ventures or investments involving amounts greater than \$100.0 million and entering into agreements for certain firm, fixed-price or lump-sum design-build or EPC contracts. In addition, among other things the Company is limited in certain additional amounts it may borrow, additional shares of certain securities that it may issue and the amounts of capital stock it can repurchase in excess of negotiated pre-approved amounts, in each case, without further approval from the holders of the Series A Preferred Stock.

Redemption. The Company may redeem all the shares of Series A Preferred Stock (and not fewer than all shares of Series A Preferred Stock) in one installment commencing at any time on or after June 24, 2018. The aggregate redemption price for the shares of Series A Preferred Stock will be equal to the greater of (i) certain guaranteed minimum prices of up to an aggregate of \$600.0 million, and (ii) the fair value of the shares, as determined by a third-party appraisal, plus accrued and unpaid dividends, and

any other dividends declared and unpaid on such shares. The Series A Preferred Stock is not redeemable upon the election of the holders of Series A Preferred Stock.

(4) Variable Interest Entities and Equity Method Investments

We routinely enter into teaming arrangements, in the form of joint ventures, to perform projects for our clients. Such arrangements are customary in the engineering and construction industry and generally are project specific. The arrangements facilitate the completion of projects that are jointly contracted with our partners. These arrangements are formed to leverage the skills of the respective partners and include consulting, construction, design, design-build, program management and operations and maintenance contracts. The assets of a joint venture are restricted for use only for the particular joint venture and are not available for general operations of the Company. Our risk of loss on these arrangements is usually shared with our partners. The liability of each partner is usually joint and several, which means that each partner may become liable for the entire risk of loss on the project. Furthermore, on some of our projects, CH2M has granted guarantees which may encumber both our contracting subsidiary company and CH2M for the entire risk of loss on the project.

Our financial statements include the accounts of our joint ventures when the joint ventures are variable interest entities ("VIE") and we are the primary beneficiary or those joint ventures that are not VIEs yet we have a controlling interest. We perform a qualitative assessment to determine whether our company is the primary beneficiary once an entity is identified as a VIE. A qualitative assessment begins with an understanding of the nature of the risks associated with the entity as well as the nature of the entity's activities including terms of the contracts entered into by the entity, ownership interests issued by the entity and how they were marketed, and the parties involved in the design of the entity. All of the variable interests held by parties involved with the VIE are identified and a determination is made of which activities are most significant to the economic performance of the entity and which variable interest holder has the power to direct those activities. Most of the VIEs with which our Company is involved have relatively few variable interests and are primarily related to our equity investments, subordinated financial support, and subcontracting arrangements. We consolidate those VIEs in which we have both the power to direct the activities of the VIE that most significantly impact the VIEs economic performance and the obligation to absorb losses or the right to receive the benefits from the VIE that could potentially be significant to the VIE. As of December 30, 2016 and December 25, 2015, total assets of VIEs that were consolidated were \$220.3 million and \$224.6 million, respectively, and liabilities were \$385.9 million and \$289.3 million, respectively. Gross revenue of VIEs that were consolidated were \$990.9 million, \$533.0 million, and \$365.9 million for the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. These assets and liabilities consist almost entirely of working capital accounts associated with the performance of an Australian fixed-price Power EPC project being executed through a consolidated joint venture partnership and an Environment and Nuclear consolidated joint venture consulting project in Canada.

In determining whether we have a controlling interest in a joint venture that is not a VIE and the requirement to consolidate the accounts of the entity, we consider factors such as ownership interest, board representation, management representation, authority to make decisions, and contractual and substantive participating rights of the partnership/members.

We held investments in unconsolidated VIEs and equity method investments of \$66.3 million and \$84.3 million as of December 30, 2016 and December 25, 2015, respectively. Our proportionate share of net income or loss as well as gains or losses resulting from changes in fair value of equity method investments due to acquisitions and disposals is included as equity in earnings of joint ventures and affiliated companies in the consolidated statements of operations. In general, the equity investment in our unconsolidated affiliates is equal to our current equity investment plus our portion of the entities' undistributed earnings. We provide certain services, including engineering, construction management and computer and telecommunications support, to these unconsolidated entities. These services are billed to the joint ventures in accordance with the provisions of the agreements.

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Summarized financial information for our unconsolidated VIEs and equity method investments as of and for the years ended is as follows:

(\$ in thousands)	December 30, 2016	December 25, 2015
Financial Position:		
Current assets	\$ 457,273	\$ 569,224
Noncurrent assets	21,964	22,333
Total assets	\$ 479,237	\$ 591,557
Current liabilities	\$ 303,502	\$ 383,887
Noncurrent liabilities	1,353	1,566
Partners'/Owners' equity	174,382	206,104
Total liabilities and equity	\$ 479,237	\$ 591,557
CH2M's share of equity	\$ 66,329	\$ 84,296

(\$ in thousands)	December 30, 2016	December 25, 2015	December 31, 2014
Results of Operations:			
Revenue	\$ 1,683,389	\$ 2,382,854	\$ 2,514,461
Direct costs	(1,544,856)	(2,177,271)	(2,297,607)
Gross margin	138,533	205,583	216,854
Selling, general and administrative expenses	(44,306)	(55,250)	(39,981)
Operating income	94,227	150,333	176,873
Other loss, net	(5,028)	(4,620)	(3,663)
Net income	\$ 89,199	\$ 145,713	\$ 173,210
CH2M's share of net income	\$ 51,957	\$ 46,765	\$ 54,918

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We have the following significant investments in unconsolidated VIEs and equity method investments companies as of December 30, 2016:

	% Ownership
Domestic:	
AGVIQ - CH2M HILL Joint Venture III/IIIA	49.0 %
CH2M/WG Idaho, LLC	50.5 %
Coastal Estuary Services LLC	49.9 %
MW/CH2M HILL, a Joint Venture (SNWA)	50.0 %
National Security Technologies, LLC	10.0 %
OMI Beca Ltd.	50.0 %
Savannah River Remediation LLC	15.0 %
URS/CH2M OAK RIDGE LLC (UCOR)	45.0 %
Washington Closure LLC (River Corridor)	30.0 %
Foreign:	
A-One+	33.3 %
Broadlands Environmental Services	10.0 %
CHT JV	50.0 %
C2V+	50.0 %
Cavendish Dounreay Partnership LTD	30.0 %
CH2M HILL - MACE Joint Venture	51.0 %
CH2M HILL-KUNWON PMC	54.0 %
CHCJV	50.0 %
Consorcio Integrador Rio de Janeiro	48.0 %
Consórcio Sondotécnica-Cobrape-CH2M	25.0 %
CPG Consultants-CH2M NIP JV	50.0 %
Halcrow Hyder	50.0 %
HWC Treatment Program Alliance Joint Venture	50.0 %
SMNM-VECO JV	50.0 %
Sydney Water Corporation-Odour Program Mgmt Alliance	50.0 %
Transcend Partners, LTD.	40.0 %

(5) Property, Plant and Equipment

Property, plant and equipment consists of the following as of:

(\$ in thousands)	December 30, 2016	December 25, 2015
Land	\$ 5,021	\$ 5,021
Buildings and land improvements	108,963	67,631
Furniture and fixtures	26,126	25,332
Computers and office equipment	162,078	158,399
Field equipment	130,681	138,721
Leasehold improvements	75,492	65,734
	<u>508,361</u>	<u>460,838</u>
Less: accumulated depreciation	(259,929)	(257,172)
Net property, plant and equipment	<u>\$ 248,432</u>	<u>\$ 203,666</u>

Depreciation expense, which is reflected within selling, general and administrative expense, totaled \$45.3 million, \$47.3 million, and \$43.1 million for the years ended December 30, 2016, December 25, 2015, and December 31, 2014, respectively.

During the year ended December 30, 2016, we constructed employee housing units for oilfield workers in Alaska to support our oil and gas operations resulting in the addition of approximately \$42.9 million to buildings and land improvements.

(6) Receivables

Receivables are stated at net realizable values and consist of receivables billed to clients as well as receivables for which revenue has been earned but has not yet been billed. The U.S. federal government and agencies regulated by the U.S. federal government accounted for approximately 10% of our net receivables at December 30, 2016 and December 25, 2015, respectively. No other customer exceeded 10% of total receivables at December 30, 2016 or December 25, 2015.

The change in the allowance for uncollectible accounts consists of the following for the years ended:

(\$ in thousands)	December 30, 2016	December 25, 2015
Balance at beginning of year	\$ 7,432	\$ 8,360
Provision charged to expense	5,864	2,013
Accounts written off	(432)	(1,573)
Other	(877)	(1,368)
Balance at end of year	\$ 11,987	\$ 7,432

(7) Acquisitions

On April 4, 2014, we acquired certain agreed upon assets and liabilities of TERA Environmental Consultants ("TERA") for consideration of \$119.6 million. TERA was an employee-owned environmental consulting firm headquartered in Canada specializing in environmental assessment, planning, siting, permitting, licensing, and related services for the pipeline, electrical transmission, and oil and gas industries. TERA's operations are reported in the consolidated financial statements within the Environment and Nuclear business group and generated approximately \$16.8 million of revenue and \$3.7 million of operating loss for the year ended December 30, 2016, \$69.2 million of revenue and \$9.2 million of operating income for the year ended December 25, 2015, and approximately \$84.6 million of revenue and \$10.6 million of operating income for the year ended December 31, 2014.

On September 6, 2016, we acquired a controlling interest in one of our joint ventures for consideration of \$6.3 million, \$2.1 million net of cash acquired, resulting in a gain of \$15.0 million on the fair value remeasurement of the original equity method investment recorded in equity in earnings of joint ventures and affiliated companies and \$31.3 million of goodwill.

(8) Goodwill and Intangible Assets

Our annual goodwill impairment test is conducted as of the first day of the fourth quarter of each year. There were no triggering events during the year ended December 30, 2016 that would require us to initiate a goodwill impairment test at a date other than the annual impairment testing date. We identified nine reporting units relevant to our annual impairment review. In selecting these reporting units, we considered (i) whether an operating segment or a component of an operating segment is a business, (ii) whether discrete financial information is available, (iii) whether the financial information is regularly reviewed by management of the operating segment, and (iv) how the operations are managed or how an acquired entity is integrated in the business operations. Based upon this evaluation, we determined that we have the following reporting units:

- Environmental (Environment and Nuclear segment)
- Government Facilities and Infrastructure (Environment and Nuclear segment)
- Industrial and Advanced Technology (Energy and Industrial segment)
- Nuclear (Environment and Nuclear segment)
- Oil, Gas and Chemicals (Energy and Industrial segment)
- Power EPC (Power EPC segment)
- Transportation (Transportation segment)
- Urban Environments and Sports (Water segment)
- Water (Water segment)

After completing step one of the annual impairment test, we determined that the carrying value of each reporting unit did not exceed its respective fair value; therefore, the second step of the impairment test was unnecessary. As a result, no impairment charge was recorded for the year ended December 30, 2016. No impairment of identifiable intangibles was incurred in the year ended December 30, 2016.

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For the year ended December 31, 2014, we recorded a goodwill impairment charge of \$64.2 million, of which \$36.4 million related to our Power EPC reporting unit and \$27.8 million related to our Industrial and Advanced Technology and Urban Environments and Sports reporting units. Additionally, for the year ended December 31, 2014 we identified an impairment in our tradename intangibles of \$9.1 million related to our Power EPC reporting unit.

The following table presents the changes in goodwill by segment, excluding segments to which no goodwill is associated, during the years ended December 30, 2016 and December 25, 2015:

(\$ in thousands)	Energy and Industrial	Environment and Nuclear	Transportation	Water	Consolidated Total
Balance as of December 31, 2014	\$ 93,242	\$ 73,186	\$ 293,149	\$ 74,398	\$ 533,975
Foreign currency translation	-	(8,422)	(11,629)	(2,939)	(22,990)
Balance as of December 25, 2015	\$ 93,242	\$ 64,764	\$ 281,520	\$ 71,459	\$ 510,985
Acquisitions	5,003	-	2,814	23,449	31,266
Foreign currency translation	(341)	(3,898)	(46,867)	(13,393)	(64,499)
Balance as of December 30, 2016	\$ 97,904	\$ 60,866	\$ 237,467	\$ 81,515	\$ 477,752

The following table presents the changes in intangible assets by segments, excluding segments to which no intangible assets are associated, for the years ended December 30, 2016 and December 25, 2015:

(\$ in thousands)	Environment and Nuclear	Transportation	Water	Consolidated Total
Balance as of December 31, 2014	\$ 42,353	\$ 38,300	\$ 10,726	\$ 91,379
Amortization	(6,383)	(14,492)	(4,200)	(25,075)
Foreign currency translation	(5,874)	(1,077)	(342)	(7,293)
Balance as of December 25, 2015	\$ 30,096	\$ 22,731	\$ 6,184	\$ 59,011
Amortization	(4,589)	(10,598)	(2,965)	(18,152)
Foreign currency translation	489	(2,523)	(801)	(2,835)
Balance as of December 30, 2016	\$ 25,996	\$ 9,610	\$ 2,418	\$ 38,024

Intangible assets with finite lives consist of the following:

(\$ in thousands)	Cost	Accumulated Amortization	Net finite-lived intangible assets
December 30, 2016			
Customer relationships	172,880	(134,856)	38,024
Total finite-lived intangible assets	\$ 172,880	\$ (134,856)	\$ 38,024
December 25, 2015			
Customer relationships	187,580	(128,655)	58,925
Tradename	4,499	(4,413)	86
Total finite-lived intangible assets	\$ 192,079	\$ (133,068)	\$ 59,011

All intangible assets are being amortized over their expected lives of between two and ten years. Amortization expense is reflected in selling, general and administrative expense and totaled \$18.2 million, \$25.1 million and \$46.2 million for the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. All intangible assets are expected to be fully amortized in 2024.

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At December 30, 2016, the future estimated amortization expense related to these intangible assets is:

(\$ in thousands)	Amortization Expense
2017	\$ 15,543
2018	4,198
2019	3,465
2020	3,465
2021	3,465
Thereafter	7,888
	<u>\$ 38,024</u>

(9) Fair Value of Financial Instruments

Cash and cash equivalents, client accounts receivable, unbilled revenue, accounts payable and accrued subcontractor costs and billings in excess of revenue are carried at cost, which approximates fair value due to their short maturities. Fair value of long-term debt, including the current portion, is estimated based on Level 2 inputs, except the amount outstanding on the revolving credit facility for which the carrying value approximates fair value. Fair value is determined by discounting future cash flows using interest rates available for issues with similar terms and average maturities. The estimated fair values of our financial instruments where carrying values do not approximate fair value are as follows for the years ended December 30, 2016 and December 25, 2015:

(\$ in thousands)	2016		2015	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Equipment financing	\$ 8,152	\$ 7,662	\$ 8,594	\$ 8,056
Note payable by consolidated joint venture	\$ 2,483	\$ 2,284	\$ —	\$ —

We primarily enter into derivative financial instruments to mitigate exposures to changing foreign currency exchange rates. These currency derivative instruments are carried on the balance sheet at fair value and are typically based upon Level 2 inputs including third party quotes. At December 30, 2016 and December 25, 2015, we had forward foreign exchange contracts on world currencies with varying durations, none of which extend beyond one year. We had \$1.2 million of derivative liabilities for the year ended December 30, 2016 and an insignificant amount of derivative assets as of December 25, 2015.

The unrealized and realized gains and losses due to changes in derivative fair values included in selling, general and administrative expense are as follows:

(in thousands)	For The Years Ended		
	December 30, 2016	December 25, 2015	December 31, 2014
Unrealized loss (gain) from changes in derivative fair values	\$ 1,062	\$ 129	\$ (142)
Realized loss (gain) from changes in derivative fair values	\$ 6,000	\$ 8,009	\$ (2,740)

(10) Revolving Credit Facility and Long-Term Debt

On September 30, 2016, we entered into a Third Amendment to our Amended and Restated Credit Agreement ("Amended Credit Agreement"), to provide us with additional financial and operational flexibility, particularly by modifying the definition of consolidated adjusted EBITDA to allow for the exclusion of expected cash restructuring charges and cash payments on the project losses attributable to ongoing fixed-price contracts for purposes of determining the consolidated leverage ratio, which remained at 3.00x for 2016 and beyond. In addition, the Amended Credit Agreement lowered our maximum available revolving credit facility to \$925.0 million from \$1.1 billion. The credit facility matures on March 28, 2019 and includes a subfacility for the issuance of standby letters of credit in a face amount up to \$500.0 million, a subfacility up to \$300.0 million for multicurrency borrowings, and a subfacility of up to \$50.0 million for swingline loans. Under the terms of the Amended Credit Agreement, we may be able to invite existing and new lenders to increase the amount available to be borrowed by up to \$200.0 million. Other technical and operating changes to the Amended Credit Agreement specifically achieved the following:

- Increased the margins used to determine the interest rates of revolving loans under the Amended Credit Agreement and the commitment fees payable by CH2M;

- Limited the amount CH2M may spend to repurchase its common stock in connection with its employee stock ownership program up to \$75.0 million during the three quarter period ending March 31, 2017 and, thereafter, up to \$100.0 million during a rolling four quarter period less the amount of any legally required repurchases of common stock held in benefit plans;
- Limited CH2M's ability to pay cash dividends on preferred stock until no more than 10% of our consolidated adjusted EBITDA consists of the cash and non-cash charges related to restructuring charges and project costs and losses in any rolling four quarter period and subject to minimum pro forma leverage ratio;
- Disallows the use of proceeds from asset sales to repurchase common or preferred stock; and,
- Granted security interests to the lenders in substantially all of the assets of CH2M and CH2M's subsidiaries, subject to certain carve-outs.

The Amended Credit Agreement contains customary representations, warranties and conditions to borrowing including customary affirmative and negative covenants, which include covenants that limit or restrict our ability to incur indebtedness and other obligations, grant liens to secure their obligations, make investments, merge or consolidate, and dispose of assets outside the ordinary course of business, in each case subject to customary exceptions for credit facilities of this size and type.

On November 23, 2016, December 28, 2016 and January 10, 2017, we received from the lenders under the Amended Credit Agreement consents permitting our delayed compliance with respect to the certifications to the lenders relating to our unaudited consolidated financial statements as of and for the quarters ended June 26, 2015, September 25, 2015 and December 25, 2015 and confirming that a determination that a material weakness exists in our internal controls over financial accounting would not constitute a default under the terms of the Amended Credit Agreement. The consents ensured that no event of default existed under the Amended Credit Agreement as a result of the restatement, and we could request the issuance of new loan advances and letters of credit under the Amended Credit Agreement in accordance with its terms.

As of December 30, 2016, we were in compliance with the covenants required by the Amended Credit Agreement. Management continually assesses its potential future compliance with the Amended Credit Agreement covenants based upon estimates of future earnings and cash flows. If there is an expected possibility of non-compliance, we will discuss possibilities with the Company's lenders or utilize other means of capitalizing the Company to anticipate or remedy any non-compliance. The expected cash outflows required to fund the project losses discussed in Note 2 – *Changes in Project-Related Estimates* and the related impact on earnings will put a financial strain on the Company that may require an amendment or other remedies to be pursued by management if certain earnings estimates or cash flow improvement initiatives are not achieved or if required to facilitate restructuring plans.

There were \$487.0 million and \$292.8 million in borrowings outstanding on the credit facility for the years ended December 30, 2016 and December 25, 2015, respectively. The average rate of interest charged on that balance was 3.73% as of December 30, 2016. The company-wide issued and outstanding letters of credit and bank guarantee facilities were \$134.2 million and \$145.5 million for the years ended December 30, 2016 and December 25, 2015, respectively. The remaining unused borrowing capacity under the credit facility was approximately \$107.4 million as of December 30, 2016.

Our nonrecourse and other long-term debt consist of the following for the years ended:

(\$ in thousands)	December 30, 2016	December 25, 2015
Revolving credit facility, average rate of interest of 3.73%	\$ 487,009	\$ 292,783
Equipment financing, due in monthly installments to September 2021, secured by equipment. These notes bear interest ranging from 0.22% to 3.29%	8,152	8,594
Note payable by consolidated joint venture, due July 2019. This note bears interest at 6-month LIBOR plus 2.5%	2,483	—
Other notes payable	230	285
Total debt	\$ 497,874	\$ 301,662
Less: current portion of debt	2,242	2,069
Total long-term portion of debt	\$ 495,632	\$ 299,593

At December 30, 2016, future principal payments on long-term debt for each year ending are as follows:

(\$ in thousands)	Principal Payments
2017	\$ 2,242
2018	2,232
2019	491,243
2020	1,598
2021	559
Thereafter	—
Total future principal payments	\$ 497,874

(11) Operating Lease Obligations

We have entered into certain noncancellable leases, which are being accounted for as operating leases. At December 30, 2016, future minimum lease payments, without consideration of sublease income, for each year ending are as follows:

(\$ in thousands)	Lease Payments
2017	\$ 82,242
2018	73,089
2019	61,931
2020	50,095
2021	42,437
Thereafter	230,802
Total future minimum lease payments	\$ 540,596

Rental expense charged to operations, net of sublease income, was \$95.5 million, \$118.1 million, and \$121.1 million for the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. Rental expense included amortization of deferred gains, primarily related to the sale-leaseback of our corporate offices, of \$1.4 million, \$3.9 million and \$4.3 million for the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. Certain of our operating leases contain provisions for a specific rent-free period and escalation clauses. We accrue rental expense during the rent-free period based on total expected rental payments to be made over the life of the related lease.

(12) Income Taxes

Income before provision for income taxes for the years ended December 30, 2016, December 25, 2015 and December 31, 2014 consists of the following:

(\$ in thousands)	2016	2015	2014
U.S. (loss) income	\$ (43,917)	\$ 79,058	\$ (161,951)
Foreign income	(72,534)	29,729	(56,792)
Income before taxes	\$ (116,451)	\$ 108,787	\$ (218,743)

The provision for income taxes for the years ended December 30, 2016, December 25, 2015 and December 31, 2014 consists of the following:

(\$ in thousands)	2016	2015	2014
Current income tax (benefit) expense:			
Federal	\$ 19,668	\$ 5,138	\$ 17,660
Foreign	16,975	15,356	14,318
State and local	(440)	8,076	(1,801)
Total current income tax expense	36,203	28,570	30,177
Deferred income tax (benefit) expense:			
Federal	(82,726)	7,864	(52,852)
Foreign	(76,665)	(7,138)	(10,271)
State	(8,301)	(912)	(4,260)
Total deferred income tax benefit	(167,692)	(186)	(67,383)
Total income tax (benefit) expense	\$ (131,489)	\$ 28,384	\$ (37,206)

The reconciliations of income tax computed at the U.S. federal statutory tax rate to our effective income tax rate for the years ended December 30, 2016, December 25, 2015 and December 31, 2014 are as follows:

(\$ in thousands)	2016	2015	2014
Pretax (loss) income	\$ (116,451)	\$ 108,787	\$ (218,743)
Federal statutory rate	35%	35%	35%
Expected tax (benefit) expense	(40,758)	38,075	(76,560)
Reconciling items:			
State income taxes, net of federal benefit	(5,024)	5,000	(11,498)
Compensation	(5,431)	—	—
Non-deductible goodwill impairment	—	—	8,881
Non-taxable reversal of purchase accounting accrual	—	—	(5,459)
Tax effect of noncontrolling interests	(1,544)	(3,205)	(1,557)
Permanent expenses	14,611	27,138	16,221
Foreign tax rate differential	(13,978)	(10,636)	10,765
Tax credits	880	(8,281)	(19,278)
Change in valuation allowance	(89,689)	3,146	35,993
Change in uncertain tax positions	4,698	(23,434)	16,550
Other	4,746	581	(11,264)
(Benefit) provision for income taxes	\$ (131,489)	\$ 28,384	\$ (37,206)

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The tax effects of temporary differences that give rise to significant portions of the deferred tax assets and liabilities at December 30, 2016 and December 25, 2015 are as follows:

(\$ in thousands)	2016	2015
Deferred tax assets:		
Net operating loss carryforwards	\$ 102,917	\$ 121,599
Deferred gain, insurance and other	93,809	62,684
Credit carryovers	76,916	71,458
Accrued employee benefits	174,717	239,677
Total deferred tax assets	448,359	495,418
Valuation allowance	(46,044)	(210,391)
Net deferred tax assets	402,315	285,027
Deferred tax liabilities:		
Investments in affiliates	(10,025)	(6,882)
Depreciation and amortization	(29,039)	(22,760)
Net deferred tax liabilities	(39,064)	(29,642)
Net deferred tax assets	\$ 363,251	\$ 255,385

The effective tax rate for the year ended December 30, 2016 was a benefit of 112.9% compared to an expense of 26.1% for the same period in the prior year. The effective tax rate in 2016 is higher compared to the same period in the prior years primarily due to the favorable impacts associated with the remeasurement related to an acquisition of a controlling interest, the release of the valuation allowances related to the Halcrow Group Limited pension, as discussed below, and the release of the valuation allowances related to foreign net operating losses due to the implementation of a new transfer pricing policy. Recent discussions regarding tax reform may result in changes to long-standing tax principles which could adversely affect our effective tax rate or result in higher cash tax liabilities. These discussions include a reduced corporate tax rate, repatriation of foreign earnings, cash, and cash equivalents, and cross border adjustability. Our effective tax rate continues to be negatively impacted by the effects of state income taxes, non-deductible foreign net operating losses, and the disallowed portions of meals and entertainment expenses.

CH2M is required to record all deferred tax assets or liabilities for temporary differences, net operating loss carryforwards, and tax credit carryforwards. A deferred tax asset valuation allowance is established when it is more likely than not that all or some portion of the deferred tax assets will not be realized in future periods. As of December 30, 2016 and December 25, 2015, we reported a valuation allowance of \$46.0 million and \$210.4 million, respectively, related primarily to the reserve of certain foreign net loss carryforwards and the foreign tax credit carryforward. The decrease in valuation allowance is primarily related to the restructure of the Halcrow Pension Scheme, as discussed below, and the implementation of the new transfer pricing policy. As of December 30, 2016, the Company had U.S. federal net operating loss carryforwards of approximately \$243.0 million, state net operating loss carryforwards of \$228.0 million, and foreign net operating losses of \$102.0 million to reduce future taxable income. These net operating losses can be carried forward for varying terms between three years and an unlimited carryforward. There is \$69.3 million of foreign tax credit available for carryforward through the years 2018-2026.

Halcrow Group Limited ("HGL"), a subsidiary of CH2M, has substantial deferred tax assets, primarily related to the Halcrow Pension Scheme ("HPS"), a defined benefit plan sponsored by HGL. These deferred tax assets represented future deductions available to HGL. When HGL was acquired in 2011, it was determined a full valuation allowance was required on these assets as there was uncertainty regarding the ability to realize these assets in the future. On October 4, 2016, HGL effected a transaction to restructure the Halcrow Pension Scheme. As a result of the transaction, our overall pension liability and related future funding obligations were reduced. For additional information regarding the Halcrow Pension Scheme and changes to the defined benefit plan effective October 4, 2016, refer to Note 16 – *Employee Retirement Plans*. Consequently, we believe that the deferred tax assets of HGL will now more likely than not be realized, and therefore, valuation allowance has been removed. This generated a benefit of approximately \$65.0 million in the year ended December 30, 2016.

During the year ended December 30, 2016, the Company elected to early adopt ASU 2016-09 with an effective date of December 26, 2015. Accordingly, the Company recognized \$3.9 million of tax benefit. This in addition to the previously unrecognized excess tax benefits of \$11.1 million, which resulted in a cumulative-effect adjustment to retained earnings.

Undistributed earnings of our foreign subsidiaries totaled approximately \$432.3 million at December 30, 2016. These earnings are considered to be permanently reinvested. Accordingly, no provision for U.S. federal and state income taxes or foreign withholding taxes has been made. Determining the tax liability that would arise if these earnings were repatriated is not practical. At December 30, 2016, CH2M has recognized a deferred tax liability of \$3.1 million within investments in unconsolidated

unconsolidated affiliates related to foreign subsidiaries where no permanent reinvestment assertion exists. Cash held in international accounts at December 30, 2016 and December 25, 2015 was \$108.7 million and \$152.0 million, respectively.

As of December 30, 2016 and December 25, 2015, we had \$8.0 million and \$38.5 million, respectively, recorded as a liability for uncertain tax positions and accrued interest. We recognize interest and penalties related to uncertain tax positions in income tax expense. As of December 30, 2016 and December 25, 2015, we had approximately \$2.6 million and \$3.0 million, respectively, of accrued interest and penalties related to uncertain tax positions.

A reconciliation of the beginning and ending amount of uncertain tax positions as of December 30, 2016 and December 25, 2015 is as follows (in thousands):

Balance at December 31, 2014	\$ 48,561
Additions for current year tax positions	30,363
Additions for prior year tax positions	2,797
Reductions for prior year tax positions	(1,131)
Reductions as a result of settlement with tax authority	(19,862)
Reductions as a result of lapse of applicable statute of expirations	(1,486)
Balance at December 25, 2015	\$ 59,242
Additions for current year tax positions	23,888
Additions for prior year tax positions	8,248
Reductions for prior year tax positions	(12,111)
Reductions as a result of settlement with tax authority	(2,136)
Reductions as a result of lapse of applicable statute of expirations	(283)
Balance at December 30, 2016	\$ 76,848

If recognized, \$38.1 million of the uncertain tax positions would affect the effective tax rate. We do not anticipate any significant changes to the uncertain tax positions in the next twelve months.

We file income tax returns in the U.S. federal jurisdiction and various state and foreign jurisdictions. In the normal course of business, we are subject to examination by taxing authorities throughout the world, including such major jurisdictions as the U.S., Canada, and the United Kingdom. With few exceptions, we are no longer subject to U.S. federal, state and local, or non-U.S. income tax examinations by tax authorities in major tax jurisdictions for years before 2008.

(13) Earnings Per Share

Basic earnings per share ("EPS") is calculated using the weighted-average number of common shares outstanding during the period and income available to common stockholders, which is calculated by deducting the dividends accumulated for the period on cumulative preferred stock (whether or not earned) and income allocated to preferred stockholders as calculated under the two-class method. In the event the Company has a net loss, the net loss is not allocated to preferred stockholders as the holders do not have a contractual obligation to share in the Company's losses. The Company considers all of the Series A Preferred Stock to be participating securities as the holders of the preferred stock are entitled contractually to receive a cumulative dividend.

Diluted EPS under the two-class method is computed by giving effect to all potential shares of common stock including common stock issuable upon conversion of the convertible preferred stock, the related convertible dividends for the aggregate five year contractual obligation, and stock options. The denominator is calculated by using the weighted-average number of common shares and common stock equivalents outstanding during the period, assuming conversion at the beginning of the period or at the time of issuance if later. Additionally, when calculating diluted EPS, the Company analyzes the potential dilutive effect of the outstanding preferred stock under the if-converted method, in which it is assumed that the outstanding preferred stock convert to common stock at the beginning of the period. In the event that the if-converted method is more dilutive than the two-class method, the if-converted diluted EPS will be reflected in our financial statements. Common stock equivalents are only included in the diluted EPS calculation when their effect is dilutive.

The table below presents the reconciliations of basic and diluted EPS for the years ended December 30, 2016, December 25, 2015, and December 31, 2014. The reconciliation of basic and diluted EPS for the year ended December 31, 2014 has been restated to conform to the two-class method and presentation as shown below:

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(\$ in thousands, except per share amounts)	December 30, 2016	December 25, 2015	December 31, 2014
Numerator - basic and diluted:			
Net (loss) income	\$ (124,254)	\$ 92,117	\$ (318,602)
Less: loss (income) attributable to noncontrolling interests	139,292	(11,714)	137,065
Net income (loss) attributable to CH2M	15,038	80,403	(181,537)
Less: accrued dividends attributable to preferred stockholders	14,006	5,088	—
Less: income allocated to preferred stockholders	152	4,279	—
Income (loss) available to common stockholders - basic and diluted	\$ 880	\$ 71,036	\$ (181,537)
Denominators:			
Weighted-average common shares outstanding - basic	25,648	27,119	28,257
Dilutive effect of common stock equivalents	84	62	—
Diluted adjusted weighted-average common shares outstanding, assuming conversion of common stock equivalents	25,732	27,181	28,257
Basic net income (loss) per common share	\$ 0.03	\$ 2.62	\$ (6.42)
Diluted net income (loss) per common share	\$ 0.03	\$ 2.61	\$ (6.42)

For the years ended December 30, 2016 and December 25, 2015, options to purchase 1.9 million and 0.1 million shares of common stock, respectively, and 5.1 million and 3.3 million shares of preferred stock and accumulated preferred stock dividends, respectively, were excluded from the dilutive EPS calculation because including them would have been antidilutive.

(14) Restructuring and Related Charges

2016 Restructuring Plan. During the third quarter of 2016, the Company began a process to review the structure and resources within its business segments and formulate a restructuring plan to more fully align global operations with the Company's client-centric strategy, including a simplified organization structure and streamlined delivery model to achieve higher levels of profitable growth ("2016 Restructuring Plan"). The anticipated restructuring activities include such items as workforce reductions and facilities consolidations. During the year ended December 30, 2016, we incurred \$42.2 million of costs for these restructuring activities related to the 2016 Restructuring Plan, which have been included in selling, general and administration expense on the consolidated statements of operations. Overall, we expect to incur up to approximately \$50.0 million to \$70.0 million in total restructuring charges under the 2016 Restructuring Plan, primarily related to employee severance and termination benefits and facilities consolidation costs. We expect the 2016 Restructuring Plan to be completed in the first half of 2017 and to result in aggregate annual cost savings of approximately \$100.0 million.

2014 Restructuring Plan. In September 2014, the Company commenced certain restructuring activities in order to achieve important business objectives, including reducing overhead costs, improving efficiency, and reducing risk ("2014 Restructuring Plan"). These restructuring activities, which continued into 2015, included such items as a voluntary retirement program, workforce reductions, facilities consolidations and closures, and evaluation of certain lines of business. For the years ended December 25, 2015 and December 31, 2014, we incurred \$60.6 million and \$70.4 million, respectively, of costs for these restructuring activities which have been included in selling, general and administration expense on the consolidated statements of operations. The restructuring activities under the 2014 Restructuring Plan were substantially complete as of December 25, 2015.

Overall, as of December 30, 2016, we have incurred aggregated costs of \$173.2 million for restructuring activities related to the 2014 Restructuring Plan and the 2016 Restructuring Plan.

The changes in the provision for the restructuring activities for the year ended December 30, 2016 are as follows:

(\$ in thousands)	2014 Restructuring Plan			2016 Restructuring Plan			Consolidated Total
	Employee Severance and Termination Benefits	Facilities Cost	Other	Employee Severance and Termination Benefits	Facilities Cost	Other	
As of December 31, 2014	\$ 1,060	\$ 15,000	\$ 420	\$ —	\$ —	\$ —	\$ 16,480
Provision	27,796	18,862	13,982	—	—	—	60,640
Cash payments	(20,853)	(8,443)	(13,432)	—	—	—	(42,728)
Other non-cash	—	(2,036)	—	—	—	—	(2,036)
As of December 25, 2015	\$ 8,003	\$ 23,383	\$ 970	\$ —	\$ —	\$ —	\$ 32,356
Provision	—	—	—	25,795	14,271	2,135	42,201
Cash payments	(6,988)	(7,898)	(970)	(19,754)	(519)	(2,105)	(38,234)
Other non-cash	—	(1,490)	—	—	1,338	—	(152)
As of December 30, 2016	\$ 1,015	\$ 13,995	\$ —	\$ 6,041	\$ 15,090	\$ 30	\$ 36,171

The remaining provisions for employee severance and termination benefits will be paid primarily over the next twelve months, and accruals for facilities costs will be paid over the remaining term of the leases which we have exited and therefore will extend through 2032.

(15) Employee Benefit Plans

Deferred Compensation Plans

Our CH2M Supplemental Executive Retirement and Retention Plan ("SERRP") has the primary purpose of providing deferred compensation for a select group of management or highly compensated employees within the meaning of Title I of the Employee Retirement Income Security Act ("ERISA"). Under this plan, each participant's account consists of various contributions made to the account by the Company on behalf of the participant. The plan can be used to provide additional retirement benefits for certain of our senior executives at the Company's discretion. For the year ended December 30, 2016, compensation expense was reduced by \$1.2 million related to the SERRP as a result of a decline in the return on the participants' investment. For the years ended December 25, 2015 and December 31, 2014, respectively, compensation expense was \$0.5 million and zero.

In addition to the SERRP, we have a nonqualified deferred compensation plan that provides benefits payable to officers and certain highly compensated employees at specified future dates, or upon retirement, disability or death ("Deferred Compensation Plan"). The Deferred Compensation Plan allows eligible participants to defer up to a certain amount of base compensation and incentive compensation received, in cash or common stock. It also allows a more select group of eligible participants, whose 401(k) Plan contributions are limited by the ERISA, to defer additional base and incentive compensation to which we may make a matching contribution. The plan is also used to provide additional retirement benefits for certain of our senior executives at levels to be determined from time-to-time by the Compensation Committee of the Board of Directors. The Deferred Compensation Plan was amended and restated effective November 13, 2014 to, in general, to adjust the claims procedure and tax withholding processes.

The Deferred Compensation Plan and SERRP are unfunded; therefore, benefits are paid from the general assets of the Company. The participant's cash deferrals earn a return based on the participant's selection of investments in several hypothetical investment options. All deferrals of common stock must remain invested in common stock and are distributed in common stock. As of December 30, 2016 and December 25, 2015, amounts due under the Deferred Compensation Plan were \$82.9 million and \$78.4 million, respectively.

Compensation expense was reduced by \$0.7 million and \$4.0 million related to the Deferred Compensation Plan for the years ended December 30, 2016 and December 25, 2015, respectively, as a result of a decline in the return on the participants' investment options. For the year ended December 31, 2014, compensation expense was \$0.3 million.

Stock Option Plans

In 2009, the Board of Directors and stockholders approved the CH2M HILL Companies, Ltd. 2009 Stock Option Plan ("2009 Stock Option Plan") which reserved 3,000,000 shares of our common stock for issuance upon exercise of stock options granted. Effective May 7, 2012, the 2009 Stock Option Plan was amended and restated to increase the number of reserved shares to 5,500,000. All options outstanding under the previously cancelled plans ("1999 and 2004 Stock Option Plans"), that expired or for any other reason cease to be exercisable, were rolled into the 2009 Stock Option Plan and are available for grant in addition to the 5,500,000 options reserved.

Stock options are granted at an exercise price equal to the fair market value of our common stock at the date of grant. Stock options granted generally become exercisable 25%, 25% and 50% after one, two and three years, respectively, and have a term of five years from the date of grant. The following table summarizes the activity relating to the 2009 Stock Option Plan during 2016:

Stock Options:	Number of Shares	Weighted Average Exercise Price
Outstanding at December 25, 2015	2,205,246	\$ 55.92
Granted	888,913	\$ 62.75
Exercised	(307,746)	\$ 51.51
Forfeited	(193,964)	\$ 59.14
Expired	(195,375)	\$ 54.06
Outstanding at December 30, 2016	2,397,074	\$ 58.90
Exercisable at December 30, 2016	1,001,894	\$ 57.52
Available for future grants	1,810,235	

The following table summarizes stock options outstanding and stock options vested and exercisable as of December 30, 2016 and December 25, 2015:

	2016	2015
Stock options outstanding:		
Aggregate intrinsic value (thousands)	\$ 939	\$ 26,462
Weighted average contractual term (years)	2.8	2.6
Stock options vested and exercisable:		
Aggregate intrinsic value (thousands)	\$ 262	\$ 13,486
Weighted average contractual term (years)	1.5	1.4

We received \$2.3 million, \$1.8 million, and \$5.0 million from options exercised during the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. Our stock option plan also allows participants to satisfy the exercise price and participant tax withholding obligation by tendering shares of company stock that have been owned by the participants for at least six months. The intrinsic value associated with exercises was \$3.4 million, \$2.1 million, and \$9.9 million during the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively.

We measure the fair value of each stock option grant at the date of grant using a Black-Scholes option pricing model. The weighted average grant date fair value of options granted during the years ended December 30, 2016 and December 25, 2015 was \$11.18 and \$8.40, respectively. The following assumptions were used in determining the fair value of options granted during 2016 and 2015:

	2016	2015
Risk-free interest rate	0.97 %	1.36 %
Expected dividend yield	— %	— %
Expected option life	4.2 Years	4.2 Years
Expected stock price volatility	19.9 %	17.3 %

We estimate the expected term of options granted based on historical experience of employee exercise behavior. We estimate the volatility of our common stock by using the weighted-average of historical volatility over the same period as the option term. We use the Treasury Yield Curve rates for the risk-free interest rate in the option valuation model with maturities similar to the expected term of the options. We do not anticipate paying any cash dividends on our common stock in the foreseeable future and therefore use an expected dividend yield of zero in the option valuation model. We are required to estimate forfeitures at the time of grant and revise

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those estimates in subsequent periods if actual forfeitures differ from those estimates. We use historical data to estimate pre-vesting option forfeitures and record stock-based compensation expense only for those awards that are expected to vest. All stock-based payment awards are amortized on a straight-line basis over the requisite service periods of the awards.

The total compensation expense recognized for stock options granted for the years ended December 30, 2016, December 25, 2015 and December 31, 2014 was \$5.0 million, \$3.7 million, and \$3.5 million, respectively. The remaining unrecognized compensation expense related to nonvested awards as of December 30, 2016 is \$8.7 million. We expect to recognize this compensation expense over the weighted average remaining recognition period of 1.7 years, subject to forfeitures that may occur during that period.

Payroll Deduction Stock Purchase Plan

Our Payroll Deduction Stock Purchase Plan ("PDSPP") provides for the purchase of common stock at 90% of the market value as of the date of purchase through payroll deductions by participating employees. Eligible employees may purchase common stock totaling up to 15% of an employee's compensation through payroll deductions. An employee cannot purchase more than \$25,000 of common stock under the PDSPP in any calendar year. The PDSPP is intended to qualify under Section 423 of the Internal Revenue Code ("IRC"). The PDSPP is not intended to qualify under Section 401(a) of the IRC and is not subject to ERISA. The PDSPP is non-compensatory since the plan is available to all eligible stockholders and incorporates no option features such as a look-back period. Accordingly, no compensation expense is recognized in the financial statements for the PDSPP. During the years ended December 30, 2016, and December 25, 2015 and December 31, 2014, a total of 188,862 shares, 297,390 shares, and 415,557 shares, respectively, were issued under the PDSPP, for total proceeds of \$10.0 million, \$14.7 million, and \$22.4 million, respectively.

Phantom Stock Plan

Our Phantom Stock Plan provides eligible individuals with added incentives to continue in the long-term service of our company. Eligible individuals are generally individuals who are not residents of the U.S. Phantom stock grants are 100% vested on the grant date and may be redeemed after six months from the grant date. The value of phantom stock is equal to the market value of our common stock. All amounts granted under the Phantom Stock Plan are payable in cash only. Compensation expense under this plan is based on the value of the units on the date of grant.

During the years ended December 30, 2016 and December 25, 2015, respectively, 387 units and 1,112 units were granted under the Phantom Stock Plan. No units were granted under the Phantom Stock Plan during the years ended December 31, 2014. The average fair value of the units granted under the Phantom Stock Plan during 2016 was \$62.89. Compensation expense was reduced by \$0.3 million related to the Phantom Stock Plan for the year ended December 30, 2016 as a result of a decline in the market value of our common stock in 2016. Compensation expense was \$0.4 million for the year ended December 25, 2015 and zero for each year ended December 31, 2014.

The following table summarizes the activity relating to the Phantom Stock Plan during 2016:

	Number of Units
Balance at December 25, 2015	17,508
Granted	387
Exercised	(46)
Forfeited	(297)
Balance at December 30, 2016	17,552

Stock Appreciation Rights Plan

In February 1999, we established the Stock Appreciation Rights ("SARs") Plan. Eligible individuals are generally individuals who are not residents of the U.S. SARs are granted at an exercise price equal to the market value of our common stock and generally become exercisable 25%, 25% and 50% after one, two and three years, respectively, and have a term of five years from the date of the grant. All amounts granted under the SARs Plan are payable in cash only. Compensation expense under this plan is based on the vesting provisions and the market value of our common stock. Compensation expense was reduced by \$0.2 million related to the SARs Plan during the year ended December 30, 2016 as a result of a decline in the market value of our common stock in 2016. Compensation expense for the years ended December 25, 2015 and December 31, 2014 was \$0.3 million and zero, respectively.

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The following table summarizes the activity relating to the SARs Plan during 2016:

	Number of Rights	Weighted Average Exercise Price
Balance at December 25, 2015	34,916	\$ 56.36
Granted	16,404	\$ 62.89
Exercised	(5,320)	\$ 51.48
Forfeited	(15,872)	\$ 59.72
Balance at December 30, 2016	30,128	\$ 59.01

Long Term Incentive Plan

The Long Term Incentive Plan ("LTIP") rewards certain executives and senior leaders for the creation of value in the organization through the achievement of specific long-term (three year) goals of earnings growth and strategic initiatives. The Compensation Committee of the Board annually reviews and endorses participation in the LTIP and new plans are established each year. At the end of each plan's three-year performance period, the Board approves the payout percentage based on actual performance. Awards are typically paid in both Company common stock and a cash amount approximately equal to an employee's related tax liability. During the years ended December 30, 2016, December 25, 2015 and December 31, 2014, a total of 51,646 shares, zero shares, and 66,528 shares, respectively, were issued under the LTIP at a fair value of \$62.89, \$0.00, and \$69.43 per share, respectively. Compensation expense for common stock under the LTIP plan was reduced by \$3.2 million as a result of underperformance to the stated three-year program goals for the year ended December 30, 2016. For the year ended December 25, 2015, compensation expense for common stock awards under the LTIP was \$6.9 million. For the year ended December 31, 2014, compensation expense for common stock under the LTIP plan was reduced by \$6.4 million as a result of underperformance to the stated three-year program goals.

Restricted Stock Plan

Our Restricted Stock Plan provides eligible individuals with added incentives to continue in the long-term service of the Company. The awards are made for no consideration, vest over various periods, and may include performance requirements, but are considered outstanding at the time of grant. During the years ended December 30, 2016, and December 25, 2015 and December 31, 2014, a total of 50,554 shares, 49,902 shares, and 268,291 shares, respectively, were granted under the Restricted Stock Plan.

We recognize compensation costs, net of forfeitures, over the vesting term based on the fair value of the restricted stock at the date of grant. The amount of compensation expense recognized under the Restricted Stock Plan was \$1.4 million for the year ended December 30, 2016 and zero for each year ended December 25, 2015 and December 31, 2014. As of December 30, 2016, there was \$2.6 million of unrecognized compensation expense related to non-vested restricted stock grants. The expense is expected to be recognized over a weighted average period of 1.5 years.

The following table summarizes the activity relating to the Restricted Stock Plan during 2016:

	Non - vested Shares	Weighted Average Grant Date Fair Value
Balance at December 25, 2015	293,835	\$ 61.14
Granted	50,554	\$ 62.83
Vested	(220,684)	\$ 63.90
Cancelled	(21,514)	\$ 54.43
Balance at December 30, 2016	102,191	\$ 57.43

The weighted-average fair values of the shares granted under the Restricted Stock Plan during the years ended December 30, 2016, December 25, 2015 and December 31, 2014 were \$62.83, \$51.54, and \$64.92, respectively.

(16) Employee Retirement Plans

Retirement and Tax-Deferred Savings Plan

The Retirement and Tax-Deferred Savings Plan ("401(k) Plan") is a retirement plan that includes a cash deferral arrangement that is intended to qualify under Sections 401(a) and 401(k) of the Internal Revenue Code and provides benefits to eligible employees

upon retirement. The 401(k) Plan allows for matching contributions up to 58.33% of the first 6% of elective deferrals made each quarter up to a maximum of 3.5% of the employee's quarterly base compensation, although specific subsidiaries may have different limits on employer matching. The matching contributions can be made in both cash and/or stock. Expenses related to matching contributions made in common stock for the 401(k) Plan were \$28.6 million, \$21.4 million, and \$48.5 million for the years ended December 30, 2016, December 25, 2015, and December 31, 2014, respectively.

Defined Benefit Plans

We sponsor several defined benefit pension plans primarily in the United States and the United Kingdom.

In the U.S., we have three noncontributory defined benefit pension plans. Benefits in two of the plans are frozen while one plan remains active, the CH2M HILL OMI Retirement Plan ("OMI Plan"). Benefits are generally based on years of service and compensation during the span of employment.

In the U.K., we assumed several defined benefit plans as part of our acquisition of Halcrow on November 10, 2011, of which the largest is the Halcrow Pension Scheme. These defined benefit plans have been closed to new entrants for many years. The information related to these plans is presented within the Non-U.S. Pension Plans columns of the tables below, which also include several small end-of-service benefit plans in the Middle East.

Changes in Defined Benefit Plans

During the year ended December 30, 2016, the Company adopted an amendment for one of our United States defined benefit plans, the OMI Plan, to freeze future pay and benefit service accruals beginning in 2017 for non-union participants, resulting a gain on curtailment of \$4.6 million in our net periodic pension expense and a \$3.0 million reduction in our projected benefit obligation. There was also an additional gain of \$1.2 million due to settlements within several small end-of-service benefit plans in the Middle East during the year ended December 30, 2016, which resulted in a \$6.1 million reduction to our projected benefit obligation.

On October 4, 2016, Halcrow Group Limited ("HGL"), a subsidiary of CH2M, effected a transaction to restructure the benefits provided to members of the Halcrow Pension Scheme ("HPS"), a defined benefit plan sponsored by HGL, by providing each member with the option to transfer his or her benefits in the HPS to a new pension scheme, which is also sponsored by HGL ("HPS2"). Alternatively, members had the option to remain in the HPS which will enter the Pension Protection Fund ("PPF") under a regulated apportionment arrangement. The new scheme, HPS2, provides benefits that are better than the compensation that would otherwise be paid by the PPF if a member chose to join the PPF rather than HPS2. The PPF was created by the United Kingdom Pensions Act 2004 to provide compensation to members of eligible defined benefit pension schemes when an employer of the scheme can no longer support the pension scheme. A member that transferred to HPS2 will receive substantially similar benefits to those in the HPS, except that annual increases and revaluation of benefits are reduced to statutory levels. A pension scheme member of the HPS that elected to transfer to the new scheme also received a one-time uplift to benefits of either 1.0% or 2.5%. The Pension Regulator, which is the United Kingdom's executive body that regulates work-based pension schemes, and the PPF provided necessary regulatory approvals for the transaction to restructure the HPS benefits.

As a result of the transaction described above, HGL ceased to have any further obligations to the HPS on October 4, 2016. All members who consented to transfer to HPS2 were transferred on October 5, 2016. Members who agreed to transfer to the new scheme account for 96.6% of the HPS' liabilities and a broadly equivalent proportion of the HPS' assets have transferred to the new scheme, as well as 20% of HGL's equity issued as part of the transaction. As a result of the restructured benefits for those members transferring to HPS2, the projected benefit obligation was reduced by \$362.3 million. Those members who remained in the HPS began the process of transferring to the PPF during the fourth quarter of 2016 along with the assets that remain in the HPS, as well as 5% of HGL's equity issued as part of the transaction, resulting in a settlement of \$28.4 million and an actuarial gain of \$16.2 million within the projected benefit obligation. We did not incur a gain or loss on settlement as a result of the transaction as the settlement cost related to the members who remained in HPS was less than the service and interest cost components of net periodic pension expense for 2016.

Additionally, in connection with the transaction, CH2M issued a £50.0 million, approximately \$65.0 million, parent company guarantee to support HPS2 and funded £80.0 million, approximately \$104.0 million, to be allocated between HPS2 and the PPF based on the proportion of the HPS' members that transferred to HPS2.

Measurement Date

As our fiscal year ends on the last Friday of December of each year, our fiscal year and interim periods do not always coincide with a month-end. In accordance with the Accounting Standards Update ("ASU") 2015-04, *Compensation - Retirement Benefits (Topic 715): Practical Expedient for the Measurement Date of an Employer's Defined Benefit Obligation and Plan Assets*, we use the month-end that is closest to our fiscal year-end or interim period-end for measuring the defined benefit plan assets and obligations as well as other postretirement benefit plan assets and obligations. For each of the defined benefit pension plans or the other postretirement benefit plans, no significant event occurred and no contribution was made between our fiscal year end of December 30, 2016 and the measurement date at December 31, 2016.

Benefit Expense

The weighted average actuarial assumptions used to compute the net periodic pension expense are based upon information available as of the beginning of the year, as presented in the following table:

	U.S. Pension Plans			Non-U.S. Pension Plans		
	2016	2015	2014	2016	2015	2014
Discount rate	4.90%	4.30%	5.10%	3.70%	3.60%	4.40%
Expected long-term rate of return on plan assets	6.25%	6.75%	6.75%	4.89%	4.17%	4.86%
Rate of compensation increase	3.30%	3.30%	3.30%	3.70%	3.65%	4.00%

The components of the net periodic pension expense for the years ended are detailed below:

(\$ in thousands)	U.S. Pension Plans			Non-U.S. Pension Plans		
	December 30, 2016	December 25, 2015	December 31, 2014	December 30, 2016	December 25, 2015	December 31, 2014
Service cost	\$ 2,698	\$ 3,450	\$ 3,132	\$ 5,298	\$ 3,522	\$ 3,296
Interest cost	11,679	11,241	10,941	36,971	43,714	50,278
Expected return on plan assets	(11,817)	(13,248)	(11,683)	(33,816)	(31,460)	(36,420)
Amortization of prior service credits	(577)	(766)	(766)	(2,371)	—	—
Recognized net actuarial loss	6,704	7,465	4,598	3,964	3,941	1,199
Gain on curtailment	(4,567)	—	—	—	—	—
Gain on settlements	—	—	—	(1,235)	—	—
Other Adjustments	—	—	—	—	(113)	—
Net expense included in current income	\$ 4,120	\$ 8,142	\$ 6,222	\$ 8,811	\$ 19,604	\$ 18,353

Benefit Obligations

The measurement date used for the U.S. and non-U.S. defined benefit pension plans is December 31. The significant actuarial weighted average assumptions used to compute the projected benefit obligations for the defined benefit pension plans at year end are as follows:

	U.S. Pension Plans		Non-U.S. Pension Plans	
	2016	2015	2016	2015
Discount rate	4.30%	4.90%	2.60%	3.70%
Rate of compensation increase	3.50%	3.30%	4.10%	3.70%

The discount rate assumption for the U.S. and non-U.S. defined benefit pension plans was determined using actuarial bond models. The models assume we purchase high quality, Aa-rated or better, corporate bonds such that the expected cash flow from the selected bond portfolio generally matches the timing of our projected benefit payments. The models develop the average yield on this portfolio of bonds as of the measurement date. This average yield is used as the discount rate.

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The following table summarizes the change in the projected benefit obligation and plan assets for the defined benefit pension plans for the years ended:

(\$ in thousands)	U.S. Pension Plans		Non-U.S. Pension Plans	
	December 30, 2016	December 25, 2015	December 30, 2016	December 25, 2015
Benefit obligation at beginning of year	\$ 248,932	\$ 268,457	\$ 1,174,603	\$ 1,236,543
Service cost	2,698	3,450	5,298	3,522
Interest cost	11,679	11,241	36,971	43,714
Actuarial loss (gain), net	16,146	(19,572)	324,962	(27,194)
Participant contributions	—	—	279	317
Benefits paid	(13,934)	(14,759)	(36,542)	(39,397)
Plan amendments	—	115	(362,280)	(113)
Curtailment	(2,961)	—	—	—
Settlements	—	—	(34,537)	—
Addition of significant end-of-service benefit plans	—	—	—	8,704
Currency translation	—	—	(199,369)	(51,493)
Benefit obligation at end of year	\$ 262,560	\$ 248,932	\$ 909,385	\$ 1,174,603
Plan assets at beginning of year	\$ 187,299	\$ 196,061	\$ 751,878	\$ 776,737
Actual return on plan assets	8,921	(5,009)	124,059	19,390
Company contributions	12,295	11,006	141,698	28,070
Participant contributions	—	—	279	317
Benefits paid	(13,934)	(14,759)	(36,542)	(39,397)
Settlements	—	—	(32,383)	—
Currency translation	—	—	(162,491)	(33,239)
Fair value of plan assets at end of year	\$ 194,581	\$ 187,299	\$ 786,498	\$ 751,878

The combined U.S. and non-U.S. projected benefit obligation decrease of \$251.6 million was primarily as a result of the transaction by HGL which restructured benefits for those members transferring to HPS2 as well as settled the obligation related to the members who remained in the HPS, as previously discussed, and changes in the foreign currency translation. These reductions in the projected benefit obligation were partially offset by changes in actuarial assumptions primarily caused by decreased discount rates for both the U.S. and non-U.S. pension plans. Assuming no changes in current assumptions, the Company expects to fund approximately \$24.6 million to \$28.7 million in company contributions for calendar year 2017.

The expected benefit payments for the U.S. and non-U.S. defined benefit pension plans are as follows:

(\$ in thousands)	U.S. Pension Plans	Non-U.S. Pension Plans
2017	\$ 16,594	\$ 37,303
2018	16,758	36,753
2019	16,837	37,702
2020	16,910	38,033
2021	17,592	38,241
Thereafter	86,226	201,493
	\$ 170,917	\$ 389,525

Benefit Plan Assets

The target allocation for the U.S. pension plans and the weighted-average asset allocations for the defined benefit pension plans at December 30, 2016 and December 25, 2015 by asset category are set out below. For the non-U.S. pension plans, the targeted allocation of assets is generally related to the expected benefit payments over the next five to ten years. The target is to hold sufficient

assets in fixed income securities to meet these cash flows. So as the benefit plan matures, an increasing proportion of plan assets will be held in fixed income securities.

	Target Allocation	U.S. Pension Plans		Non-U.S. Pension Plans	
		2016	2015	2016	2015
Equity securities	52%	45%	47%	33%	35%
Debt securities	48%	53%	44%	50%	56%
Other	0%	2%	9%	17%	9%
Total	100%	100%	100%	100%	100%

The investment philosophy for the defined benefit pension plans is primarily to have the asset values and long-term rates of return exceed those of the relative benchmarks in order to protect and pay the expected future benefit payments to participants. Asset allocation decisions are made in an attempt to construct a total portfolio that achieves the desired expected risk and return needed to meet long term liabilities of the plans. For non-U.S. plans, the asset allocation decisions are often made by an independent board of trustees. In order to accomplish the investment philosophy and strategy, the benefit plan trustees monitor the asset classes allowed for investment, the strategic mix targets, and allowable ranges of such.

Investments in domestic and international equity securities are utilized with the expectation that they will provide a higher rate of return than debt securities for periods in excess of five to ten years, albeit with greater risk. Investments in debt securities, such as government and corporate bonds of domestic and international entities, are utilized with the expectation that they are generally low in risk and can meet the shorter term cash flow needs of the plans. We use long-term historical actual return experience with consideration of the expected investment mix of the plan assets, as well as future estimates of long-term investment returns to develop the expected rate of return assumptions used in calculating the net periodic pension cost.

Investments are stated at fair value. Fair value represents the price that would be received to sell an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. For our investment fund assets, we have classified each of the funds which are publicly offered and reported on an exchange as Level 1. We have classified investment fund assets which are not publicly offered as Level 2, without consideration as to the level of the specific underlying investments and securities held by the fund as it reflects the Levels for the actual asset held by the plan (the fund). Certain investments that are measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy in accordance with the adoption of ASU 2015-07, *Fair Value Measurement (Topic 820): Disclosures for Investments in Certain Entities that Calculate Net Asset Value Per Share (or its Equivalent)*. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statement of net assets available for benefits.

The following tables summarize the fair values of our defined benefit pension plan assets by major asset category:

(\$ in thousands)	U.S. Pension Plans			
	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
December 30, 2016				
Cash and cash equivalents	\$ 2,833	\$ 2,833	\$ —	\$ —
Investment funds:				
Equity funds	87,173	31,074	56,099	—
Fixed income securities	104,575	70,590	33,985	—
Total	\$ 194,581	\$ 104,497	\$ 90,084	\$ —
December 25, 2015				
Cash and cash equivalents	\$ 2,369	\$ 2,369	\$ —	\$ —
Investment funds:				
Equity funds	88,176	29,829	58,347	—
Fixed income securities	96,754	62,147	34,607	—
Total	\$ 187,299	\$ 94,345	\$ 92,954	\$ —

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(\$ in thousands)	Non-U.S. Pension Plans			
	Total	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
December 30, 2016				
Cash and cash equivalents	\$ 92,624	\$ 80,538	\$ 12,086	\$ —
Investment funds:				
Equity funds	229,261	—	229,261	—
Fixed income securities	367,862	—	367,862	—
International property fund	3,326	—	3,326	—
Other	25,648	—	25,648	—
Total investments in the fair value hierarchy	\$ 718,721	\$ 80,538	\$ 638,183	\$ —
Investments measured at net asset value	67,777	—	—	—
Total investment asset fair value measurement	\$ 786,498	\$ 80,538	\$ 638,183	\$ —
December 25, 2015				
Cash and cash equivalents	\$ 34,673	\$ 7,719	\$ 26,954	\$ —
Investment funds:				
Equity funds	231,931	—	231,931	—
Fixed income securities	386,770	—	386,770	—
International property fund	3,549	—	3,549	—
Other	19,637	—	19,637	—
Total investments in the fair value hierarchy	\$ 676,560	\$ 7,719	\$ 668,841	\$ —
Investments measured at net asset value	75,318	—	—	—
Total investment asset fair value measurement	\$ 751,878	\$ 7,719	\$ 668,841	\$ —

Funded Status

The following table presents the underfunded status of the defined benefit pension plans at December 30, 2016 and December 25, 2015 which is included in long-term employee related liabilities on the consolidated balance sheets:

(\$ in thousands)	U.S. Pension Plans		Non-U.S. Pension Plans	
	2016	2015	2016	2015
Projected benefit obligation	\$ 262,560	\$ 248,932	\$ 909,385	\$ 1,174,603
Fair value of plan assets	194,581	187,299	786,498	751,878
Overfunded status	—	—	2,493	2,906
Underfunded status	\$ (67,979)	\$ (61,633)	\$ (125,380)	\$ (425,631)
Amounts recognized in accumulated other comprehensive income consist of:				
Net actuarial loss	\$ 88,066	\$ 78,689	\$ 342,227	\$ 173,196
Net prior service credits	(323)	(5,468)	(312,834)	—
Total	\$ 87,743	\$ 73,221	\$ 29,393	\$ 173,196
Amounts to be recognized in the following year as a component of net periodic pension expense:				
Net actuarial loss	\$ 7,630	\$ 6,513	\$ 10,244	2,885
Net prior service credits	(53)	(752)	(9,795)	—
Total	\$ 7,577	\$ 5,761	\$ 449	2,885
Additional information:				
Accumulated benefit obligation	\$ 261,880	\$ 245,726	\$ 904,747	\$ 1,166,501

Other Postretirement Benefits

We sponsor a medical benefit plan for retired employees of certain subsidiaries. The plan is contributory, and retiree premiums are based on years of service at retirement. The benefits contain limitations and a cap on future cost increases. We fund postretirement medical benefits on a pay-as-you-go basis. Additionally, we have a frozen non-qualified pension plan that provides additional retirement benefits to certain senior executives that remained employed and retired from CH2M on or after age 65.

The non-qualified pension and postretirement healthcare benefit payments, including expected future services, are expected to be paid from plan assets and operating cash flows as follows:

(\$ in thousands)	Non-Qualified Pension Plan	Postretirement Benefit Plans
2017	\$ 89	\$ 2,471
2018	87	2,545
2019	85	2,637
2020	83	2,751
2021	80	2,864
2022-2026	359	14,325
	<u>\$ 783</u>	<u>\$ 27,593</u>

Benefit Expense

The measurement date used for non-qualified pension and other postretirement benefit plans is December 31. The actuarial assumptions used to compute the non-qualified pension benefit expense and postretirement benefit expense are based upon information available as of the beginning of the year, as presented in the following table:

	Non-Qualified Pension Plan			Postretirement Benefit Plans		
	December 30, 2016	December 25, 2015	December 31, 2014	December 30, 2016	December 25, 2015	December 31, 2014
Actuarial assumptions at beginning of year:						
Discount rate	4.9%	4.3%	5.1%	4.9%	4.3%	5.1%
Initial healthcare costs trend rate	na	na	na	na	na	na
Ultimate healthcare cost trend rate	na	na	na	na	na	na
Year ultimate trend rate is reached	na	na	na	na	na	na

na—not applicable

We have instituted caps on the potential growth of our retiree healthcare costs. The retiree healthcare cost caps have been reached and apply in all future years. As healthcare costs continue to increase, these caps are intended to remain in force at current levels. As a result, a 1% change in the healthcare cost trends has no impact on the postretirement benefit obligation or costs.

The components of the non-qualified pension benefit expense and postretirement benefit expense for the years ended December 30, 2016, December 25, 2015, and December 31, 2014 are detailed below:

(\$ in thousands)	Non-Qualified Pension Plan			Postretirement Benefit Plans		
	2016	2015	2014	2016	2015	2014
Service cost	\$ —	\$ —	\$ —	\$ 826	\$ 967	\$ 1,058
Interest cost	53	58	78	1,988	2,098	2,195
Amortization of prior service credits	—	—	—	(384)	(29)	(29)
Recognized net actuarial loss (gain)	—	1	—	(12)	(8)	(11)
Net expense included in current income	<u>\$ 53</u>	<u>\$ 59</u>	<u>\$ 78</u>	<u>\$ 2,418</u>	<u>\$ 3,028</u>	<u>\$ 3,213</u>

The discount rate used to compute the benefit obligations for the non-qualified pension plan and postretirement benefit plans at December 30, 2016 and December 25, 2015 were 4.3% and 4.9%, respectively. The discount rate assumptions are set annually based on an actuarial bond model. The bond model assumes we purchase high quality corporate bonds such that the expected cash flows generally match the maturity of the benefits.

The following table summarizes the change in benefit obligation for the non-qualified pension and postretirement benefit plans for the years ended December 30, 2016 and December 25, 2015:

(\$ in thousands)	Non-Qualified Pension Plan		Postretirement Benefit Plans	
	2016	2015	2016	2015
Benefit obligation at beginning of year	\$ 1,227	\$ 1,499	\$ 41,908	\$ 50,340
Service cost	—	—	826	967
Interest cost	53	58	1,988	2,098
Participant contributions	—	—	1,070	2,246
Actuarial loss (gain)	(72)	(41)	(2,940)	(5,597)
Plan amendments	—	—	—	(2,417)
Benefits paid	(268)	(289)	(3,907)	(5,729)
Benefit obligation at end of year	\$ 940	\$ 1,227	\$ 38,945	\$ 41,908

Funded Status

The following table presents the underfunded status of the non-qualified pension and postretirement benefit plans at December 30, 2016 and December 25, 2015:

(\$ in thousands)	Non-Qualified Pension Plan		Postretirement Benefit Plans	
	2016	2015	2016	2015
Projected benefit obligation	\$ 940	\$ 1,227	\$ —	\$ —
Accumulated benefit obligation	—	—	38,945	41,908
Underfunded status	\$ (940)	\$ (1,227)	\$ (38,945)	\$ (41,908)
Amounts recognized in accumulated other comprehensive income consist of:				
Net actuarial loss (gain)	\$ 45	\$ 117	\$ (6,405)	\$ (3,476)
Net prior service credit	—	—	(2,235)	(2,618)
Total	\$ 45	\$ 117	\$ (8,640)	\$ (6,094)
Amounts to be recognized in the following year as a component of net periodic cost:				
Net actuarial gain	\$ —	\$ —	\$ (285)	\$ (13)
Net prior service credit	—	—	(383)	(384)
Total	\$ —	\$ —	\$ (668)	\$ (397)

Benefits expected to be paid in 2017 are included in short-term employee related liabilities with the remaining liability balance included in long-term employee related liabilities on the consolidated balance sheets.

Multiemployer Plans

We participate in various multiemployer pension plans for certain employees represented by labor unions. We are required to make contributions to these plans in amounts established under collective bargaining agreements, generally based on the number of hours worked. We made contributions to the various plans totaling approximately \$4.4 million, \$4.2 million, and \$4.1 million for the years ended December 30, 2016, December 25, 2015, and December 31, 2014, respectively. We are unable to obtain additional financial information from the multiemployer pension plans sponsors in order to determine unfunded liability amounts and other plan data, however based upon the small number of our employees that have participated in these plans, we do not believe any of these amounts will have a material impact on our financial results.

We have employees who participate in benefit plans with the U.S. Department of Energy for which information is not provided because we are not responsible for the current or future funded status of those plans.

(17) Segment Information

In the first quarter of 2016, we implemented certain organizational changes, including the reorganization of our internal reporting structure to better facilitate our strategy for growth and operational efficiency. In connection with this refinement, we

discontinued our former Industrial and Urban Environments ("IUE") business group as a standalone unit, and we combined its industrial and advanced technology business with our Oil, Gas and Chemicals business group to form the Energy and Industrial business group. Additionally, our urban environments and sports business which was formerly within IUE was combined with our Water business group. Our Power EPC business continues to be monitored as a separate operating segment as we exit the fixed-price Power EPC business. As a result of this reorganization, we identified our four business groups, which include Energy and Industrial, Environment and Nuclear, Transportation, and Water, as well as our Power EPC business as reportable operating segments.

Certain financial information relating to the years ended December 30, 2016, December 25, 2015 and December 31, 2014 for each segment is provided below. Costs for corporate selling, general and administrative expenses, restructuring costs and amortization expense related to intangible assets have been allocated to each segment based on the estimated benefits provided by corporate functions. This allocation is primarily based upon metrics that reflect the proportionate volume of project-related activity and employee labor costs within each segment. Additionally, during the third quarter of 2016, an Environment and Nuclear consolidated joint venture consulting project in Canada eliminated a previously existing one-month reporting lag, which had been required to achieve a timely consolidation. As a result of this change, revenue and direct cost of services each included an additional \$51.7 million for the year ended December 30, 2016. There was no impact to our operating loss for the year ended December 30, 2016. Prior year amounts have been revised to conform to the current year presentation.

Year Ended December 30, 2016			
(\$ in thousands)	Gross Revenue	Equity in Earnings	Operating Income (Loss)
Energy and Industrial	\$ 860,897	\$ 3,400	\$ (8,952)
Environment and Nuclear	2,213,709	19,820	82,866
Transportation	930,877	10,197	(115,139)
Water	1,190,184	18,540	93,289
Power EPC	40,277	—	(292,168)
Total	\$ 5,235,944	\$ 51,957	\$ (240,104)

Year Ended December 25, 2015			
(\$ in thousands)	Gross Revenue	Equity in Earnings	Operating Income (Loss)
Energy and Industrial	\$ 1,148,475	\$ 2,311	\$ 22,833
Environment and Nuclear	1,663,523	29,123	77,145
Transportation	973,916	8,363	(62,892)
Water	1,363,867	6,968	93,318
Power EPC	211,724	—	4,437
Total	\$ 5,361,505	\$ 46,765	\$ 134,841

Year Ended December 31, 2014			
(\$ in thousands)	Gross Revenue	Equity in Earnings	Operating Income (Loss)
Energy and Industrial	\$ 1,230,695	\$ 2,980	\$ (61,738)
Environment and Nuclear	1,666,828	35,208	64,541
Transportation	947,846	12,813	(24,648)
Water	1,371,155	3,917	90,128
Power EPC	196,945	—	(409,869)
Total	\$ 5,413,469	\$ 54,918	\$ (341,586)

Significant Clients

We derived approximately 21%, 19% and 21% of our total revenue from contracts with the U.S. federal government and the agencies regulated by the U.S. federal government in the years ended December 30, 2016, December 25, 2015 and December 31, 2014, respectively. Additionally, in the year ended December 30, 2016, we derived approximately 12% of our total revenue from our Environment and Nuclear consolidated joint venture consulting contract with Canadian Nuclear Laboratories.

Operating Information by Geographic Area

Although the majority of our consolidated revenue is generated from our domestic operations, we provide services in numerous countries, including Canada, which accounted for 17% of the total consolidated revenue in 2016 and was primarily related

to operations within our Environment and Nuclear segment. The United Kingdom accounted for 10%, 11% and 10% of the total consolidated revenue in 2016, 2015 and 2014, respectively.

Total U.S. and international revenue for the years ended were as follows:

(\$ in thousands)	December 30, 2016	December 25, 2015	December 31, 2014
U.S.	\$ 3,304,752	\$ 3,589,928	\$ 3,806,935
International	1,931,192	1,771,577	1,606,534
Total	\$ 5,235,944	\$ 5,361,505	\$ 5,413,469

The fixed assets to support our business operations and our clients are located both domestically and internationally. Total U.S. and international net property, plant and equipment for the years ended were as follows:

(\$ in thousands)	December 30, 2016	December 25, 2015	December 31, 2014
U.S.	\$ 225,929	\$ 179,436	\$ 215,689
International	22,503	24,230	42,471
Total	\$ 248,432	\$ 203,666	\$ 258,160

(18) Commitments and Contingencies

We maintain a variety of commercial commitments that are generally made available to provide support for various provisions in our engineering and construction contracts. Letters of credit are provided to clients in the ordinary course of the contracting business in lieu of retention or for performance and completion guarantees on engineering and construction contracts. We also post surety bonds, which are contractual agreements issued by a surety, for the purpose of guaranteeing our performance on contracts. Bid bonds are also issued by a surety to protect owners and are subject to full or partial forfeiture for failure to perform obligations arising from a successful bid.

Commercial commitments outstanding as of December 30, 2016 are summarized below:

(\$ in thousands)	Amount of Commitment Expiration Per Period				Total Amount Committed
	Less than 1 Year	1-3 Years	4-5 Years	Over 5 Years	
Letters of credit	\$ 47,808	\$ 44,050	\$ 6,231	\$ 27,706	\$ 125,795
Bank guarantees	7,724	615	51	—	8,390
Surety and bid bonds	765,180	35,397	67	—	800,644
Total	\$ 820,712	\$ 80,062	\$ 6,349	\$ 27,706	\$ 934,829

We are party to various legal actions arising in the normal course of business. Because a large portion of our business comes from U.S. federal, state and municipal sources, our procurement and certain other practices at times are subject to review and investigation by various agencies of the U.S. government and state attorneys' offices. Such state and U.S. government investigations, whether relating to government contracts or conducted for other reasons, could result in administrative, civil or criminal liabilities, including repayments, fines or penalties or could lead to suspension or debarment from future U.S. government contracting. These investigations often take years to complete and many result in no adverse action or alternatively could result in settlement. Damages assessed in connection with and the cost of defending any such actions could be substantial. While the outcomes of pending proceedings and legal actions are often difficult to predict, management believes that proceedings and legal actions that have not yet been terminated through settlement would not result in a material adverse effect on our results of operations or financial condition even if the final outcome is adverse to the Company.

CH2M-WG Idaho, LLC ("CWI"), owned 50.5% by CH2M HILL Constructors, Inc., a wholly owned subsidiary of CH2M HILL Companies, Ltd., is a remediation contractor for the U.S. Department of Energy ("DOE") at the Idaho National Laboratory site. The original remediation contract was to run from May 2005 through September 2012, and was extended through September 2015. CWI currently has a disagreement with DOE concerning what CWI's final fee should be for the base contract period from May 2005 through September 2012. In December 2013, the DOE issued a final determination that was approximately \$30.0 million less than CWI expected to receive in the fee determination. On March 6, 2014, CWI filed a Certified Claim with the Contracting Officer for a total fee owed of \$40.1 million. Certified Claim was rejected through a Contracting Officer's Final Decision in May 2014, and CWI

filed its appeal to the Civilian Board of Contract Appeals on May 30, 2014. The trial was held on April 12 through 28, 2016, and the post-trial briefing phase is now complete. We are awaiting the decision from the Board. Based on information presently known to management, we believe that the outcome of this dispute will not have a material adverse effect on our financial condition, cash flows or results of operations.

In 2003, the Municipality of Anchorage, Alaska ("Municipality") began its Port of Anchorage Intermodal Expansion Project by entering into Memoranda of Understanding with the Maritime Administration ("MarAd"). MarAd contracted with Integrated Concepts and Research Corporation ("ICRC") to perform certain design and construction-related work on the project. In 2006, ICRC subcontracted certain project design work to PND Engineers, Inc. ("PND"). In 2006, PND subcontracted some limited portions of its work to VECO, Inc. (n/k/a CH2M HILL Alaska, Inc.). During the design phase, PND's proprietary design, the Open Cell Sheet Pile system ("OCSP") was recommended as the preferred design alternative on the project. VECO issued two documents, one in 2006 and one in 2007. On March 8, 2013, the Municipality filed suit against ICRC, PND, and CH2M HILL Alaska, Inc. in the Superior Court for the State of Alaska, Third Judicial District at Anchorage. Four additional parties (GeoEngineers, Inc.; Terracon Consultants, Inc.; Colaska, Inc.; and MKB Constructors) were later added to the litigation. The matter was transferred to the United States District Court for the District of Alaska. The Municipality alleged the project suffered from design and construction deficiencies, and initially claimed damages against all defendants of approximately \$340.0 million. The Municipality's claims against CH2M HILL Alaska, Inc. ultimately included claims for professional negligence, negligence, and negligent misrepresentation. The Court issued a ruling on October 31, 2016, granting CH2M HILL Alaska, Inc.'s motion for summary judgment as to negligence, negligent misrepresentation, and the portion of the professional negligence claim relating to VECO's 2007 report. The Municipality has also filed suit against MarAd in the Court of Federal Claims related to the Project. Based on information presently known to management, we intend to vigorously defend the claims brought against us, and we believe that the outcome of this dispute will not have a material adverse effect on our financial condition, cash flows or results of operations. On January 26, 2017, the Municipality and CH2M HILL Alaska, Inc. reached a settlement for an immaterial amount under fair and reasonable terms, and the Municipality dismissed CH2M HILL Alaska, Inc. with prejudice from the litigation.

In 2009, URS-CH2M HILL Amtrak Joint Venture, a joint venture formed by CH2M HILL, Inc., a wholly owned subsidiary of CH2M HILL Companies, Ltd., and URS Corporation ("URS") was contracted by Amtrak to provide Program Management Oversight and administration services for the Amtrak Improvements Project, a \$1.3 billion Amtrak-awarded stimulus funded under the American Recovery and Reinvestment Act. This ongoing appointment includes over 366 projects involving improvements to bridges, communications and systems, electrical transmission, stations, security, railroad ties, etc. On July 17, 2014, Amtrak's Office of Inspector General served a subpoena duces tecum on CH2M HILL, Inc. and joint venture partner, URS, requesting multiple categories of records. Following CH2M HILL, Inc.'s production of documents in compliance with the subpoena, the U.S. Attorney's Office in Philadelphia contacted CH2M HILL, Inc.'s outside counsel in January 2016 and has since asserted potential violations of the federal False Claims Act resulting in excess of \$3.0 million in claims. CH2M HILL, Inc. and the federal government have reached a settlement in principle under fair and reasonable terms to settle the government's civil False Claims Act claims. On February 27, 2017, the parties reached a settlement pursuant to which CH2M HILL, Inc. and its joint venture partner will pay the United States federal government \$1.5 million.

In 2012, CH2M HILL Australia Pty Limited entered into a 50/50 integrated joint venture with UGL Infrastructure Pty Limited ("UGL"), an Australian construction contractor ("CH2M-UGL JV" or "JV"). The JV entered into a Consortium Agreement with General Electric and GE Electrical International Inc. The Consortium was awarded a contract by JKC Australia LNG Pty Limited ("JKC") for the engineering, procurement, construction and commissioning of a 360 MW Combined Cycle Power Plant (the "Project") for INPEX Operations Australia Pty Limited ("Inpex") at Blaydin Point, Darwin, NT, Australia (the "Subcontract"). On January 24, 2017, the Consortium terminated the Subcontract because of JKC's repudiatory breach. The Consortium also demobilized from the work site. The Consortium issued a termination letter which described JKC's failure to properly administer the Subcontract. JKC's failures include, among other things, (1) a failure to provide fuel gas by the milestone date and (2) delay in the provision of electrical load against the previously advised program. There are a number of other omissions and interferences by JKC with respect to completing site documentation that have also contributed to the Consortium's decision to terminate the Subcontract. JKC has claimed that the Consortium's termination was not valid. JKC claims the Consortium has abandoned the work and, as such, JKC has now purported to terminate the Subcontract. The Consortium and JKC are now in dispute over the termination. The Consortium expects to file arbitration claims against JKC, and anticipates that JKC will file claims back. We expect the arbitration to be lengthy and at this time are unable to predict the timing of resolution or the outcome of disputes, but the outcome could be materially adverse to our results of operations, cash flow and financial condition. The primary dispute over the termination is to be decided in an International Chamber of Commerce arbitration in Singapore.

Many claims that are currently pending against us are covered by our professional liability insurance after we have exhausted our self-insurance requirement, which is currently \$20.0 million per policy year. Management estimates that the levels of insurance

coverage (after retentions and deductibles) are generally adequate to cover our liabilities, if any, with regard to such claims. Any amounts that are probable of payment are accrued when such amounts are estimable. As of December 30, 2016 and December 25, 2015, accruals for potential estimated claim liabilities were \$8.9 million and \$11.0 million, respectively.

(19) Quarterly Financial Information (unaudited)

Our quarterly financial information for the years ended December 30, 2016 and December 25, 2015 is summarized in the following table:

(\$ in thousands, except per share amounts)	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	For the Year Ended
2016					
Revenue	\$ 1,343,408	\$ 1,250,283	\$ 1,279,230	\$ 1,363,023	\$ 5,235,944
Operating income (loss)	40,866	(205,120)	(108,350)	32,500	(240,104)
Net income (loss) attributable to CH2M	24,579	(62,042)	15,933	36,568	15,038
Net income (loss) per common share					
Basic	\$ 0.74	\$ (2.53)	\$ 0.40	\$ 1.08	\$ 0.03
Diluted	\$ 0.74	\$ (2.53)	\$ 0.40	\$ 1.08	\$ 0.03
2015					
Revenue	\$ 1,263,986	\$ 1,320,148	\$ 1,365,186	\$ 1,412,185	\$ 5,361,505
Operating income	40,865	11,383	63,822	18,771	134,841
Net income attributable to CH2M	23,498	3,750	39,445	13,710	80,403
Net income per common share					
Basic	\$ 0.86	\$ 0.13	\$ 1.22	\$ 0.37	\$ 2.62
Diluted	\$ 0.86	\$ 0.13	\$ 1.22	\$ 0.37	\$ 2.61

Item 16. Form 10-K Summary

Not applicable.

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Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Englewood, Douglas County, State of Colorado, on March 7, 2017.

CH2M Hill Companies, Ltd.

By: /s/ Gary L. McArthur
Gary L. McArthur
Executive Vice President and Chief Financial Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed by the following persons in the capacities and on the dates stated, through their attorney-in-fact as appointed in the power of attorney of February 16, 2017 included as Exhibit 24.1 filed herewith.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Jacqueline C. Hinman</u> Jacqueline C. Hinman	President and Chief Executive Officer (principal executive officer) and a Director	March 7, 2017
<u>/s/ Gary L. McArthur</u> Gary L. McArthur	Executive Vice President and Chief Financial Officer (principal financial officer)	March 7, 2017
<u>/s/ Ryan L. Beckman</u> Ryan L. Beckman	Vice President, Chief Accounting Officer and Controller (principal accounting officer)	March 7, 2017
<u>*</u> Malcolm Brinded	Director	March 7, 2017
<u>*</u> Lisa Glatch	Director	March 7, 2017
<u>*</u> Charles O. Holliday, Jr	Director	March 7, 2017
<u>*</u> W. Blakely Jeffcoat	Director	March 7, 2017
<u>*</u> Scott Kleinman	Director	March 7, 2017
<u>*</u> Gregory T. McIntyre	Director	March 7, 2017
<u>*</u> Antoine G. Munfakh	Director	March 7, 2017
<u>*</u> Georgia R. Nelson	Director	March 7, 2017

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*		
	Director	March 7, 2017
Thomas L. Pennella		
*		
	Director	March 7, 2017
Terry A. Ruhl		
*		
	Director	March 7, 2017
Janet Walstrom		
*		
	Director	March 7, 2017
Barry L. Williams		
*By:	/s/ Gary L. McArthur	
	Gary L. McArthur, as attorney-in-fact	

Subsidiaries of CH2M HILL Companies, Ltd.

<u>Subsidiary</u>	<u>Jurisdiction of Organization</u>
CH2M HILL Alaska, Inc.	Alaska
CH2M HILL Canada Limited	Canada
CH2M HILL Constructors, Inc.	Delaware
CH2M HILL Engineers, Inc.	Delaware
CH2M HILL Global Holdings, S.a.r.l.	Luxembourg
CH2M HILL, Inc.	Florida
CH2M HILL International, Ltd.	Delaware
CH2M HILL Netherlands Holding B.V.	Netherlands
CH2M HILL LP	Bermuda
CHVENG, LLC	Delaware
Halcrow Group Ltd.	United Kingdom
Halcrow Holdings Ltd.	United Kingdom
LG Constructors, Inc.	Delaware
Operations Management International, Inc.	California

Consent of Independent Registered Public Accounting Firm

The Board of Directors
CH2M HILL Companies, Ltd.:

We consent to the incorporation by reference in the registration statement (No. 333-165649) on Form S-8 of CH2M HILL Companies, Ltd. (the Company) of our report dated March 7, 2017, with respect to the consolidated balance sheets of the Company as of December 30, 2016 and December 25, 2015, and the related consolidated statements of operations, comprehensive income (loss), stockholders' equity, and cash flows for each of the years in the three-year period ended December 30, 2016, which appears in the December 30, 2016 annual report on Form 10-K of the Company.

/s/ KPMG LLP
KPMG LLP
Denver, Colorado
March 7, 2017

POWER OF ATTORNEY

Each person whose signature appears below does hereby make, constitute and appoint each of Jacqueline C. Hinman, Gary L. McArthur and Ryan L. Beckman, acting individually, as such person's true and lawful attorney-in-fact and agent, with full power of substitution, resubstitution and revocation to execute, deliver and file with the U.S. Securities and Exchange Commission, the United Kingdom Financial Conduct Authority and the corresponding securities regulatory agency in each other country where a registration or filing may be necessary or advised in connection with any offering of the Company's securities, including but not limited to: Argentina, Brazil, Canada, Hong Kong, India, Ireland, Mexico, Poland, Qatar, Singapore, the United Arab Emirates, and the United Kingdom, for and on such person's behalf, and in any and all capacities,

1. The Annual Report on Form 10-K of CH2M HILL Companies, Ltd. for the year ended December 30, 2016, any and all amendments (including post-effective amendments) thereto with all exhibits thereto and other documents in connection therewith, or foreign jurisdiction equivalent reports and statements;
2. A Prospectus for use in the member nations of the European Union pursuant to the EU Prospectus Directions and any and all amendments thereto with all exhibits and other documents in connection therewith, and
3. Such annual or other periodic reports on business, prospects, financial and results of operations as may be required in any such other country.

granting unto each of said attorneys-in fact and agents full power and authority to do and perform each and every act and thing requisite and necessary to be done as fully to all intents and purposes as such person might or could do in person, hereby ratifying and confirming all that said attorney-in- fact and agent or such person's substitute or substitutes may lawfully do or cause to be done by virtue hereof.

<u>/s/ Malcolm Brinded</u> Malcolm Brinded	February 16, 2017
<u>/s/ Lisa Glatch</u> Lisa Glatch	February 16, 2017
<u>/s/Jacqueline C. Hinman</u> Jacqueline C. Hinman.	February 16, 2017
<u>/s/ Charles O. Holliday, Jr.</u> Charles O. Holliday, Jr.	February 16, 2017
<u>/s/ W. Blakely Jeffcoat</u> W. Blakely Jeffcoat	February 16, 2017
<u>/s/ Scott Kleinman</u> Scott Kleinman	February 16, 2017
<u>/s/ Gregory T. McIntyre</u> Gregory T. McIntyre	February 16, 2017
<u>/s/ Antoine G. Munfakh</u> Antoine G. Munfakh	February 16, 2017
<u>/s/ Georgia R. Nelson</u> Georgia R. Nelson	February 16, 2017
<u>/s/ Thomas L. Pennella</u> Thomas L. Pennella	February 16, 2017
<u>/s/ Terry A. Ruhl</u> Terry A. Ruhl	February 16, 2017

/s/ Janet Walstrom
Janet Walstrom

February 16, 2017

/s/ Barry L. Williams
Barry L. Williams

February 16, 2017

CERTIFICATION

Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Jacqueline C. Hinman, certify that:

1. I have reviewed this annual report on Form 10-K of CH2M HILL Companies, Ltd.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 7, 2017

/s/ JACQUELINE C. HINMAN

Jacqueline C. Hinman
Chief Executive Officer

CERTIFICATION

Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Gary L. McArthur, certify that:

1. I have reviewed this annual report on Form 10-K of CH2M HILL Companies, Ltd.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 7, 2017

/s/ Gary L. McArthur
 Gary L. McArthur
 Chief Financial Officer

CERTIFICATION

**PURSUANT TO RULE 13A-14(B) OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED, AND
SECTION 1350 OF CHAPTER 63 OF TITLE 18 OF THE UNITED STATES CODE (18 U.S.C.
SECTION 1350)**

In connection with the Annual Report of CH2M HILL Companies, Ltd. (the "Company") on Form 10-K for the annual period ended December 30, 2016 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Jacqueline C. Hinman, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350 as adopted by Section 906 of the Sarbanes-Oxley Act of 2002 that to the best of my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Exchange Act as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of, and for, the periods presented in the Report.

/s/ Jacqueline C. Hinman

Jacqueline C. Hinman
Chief Executive Officer

March 7, 2017

This certification "accompanies" the Report to which it relates, is not deemed filed with the Securities and Exchange Commission and is not to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended (whether made before or after the date of the Report), irrespective of any general incorporation language contained in such filing. A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

CERTIFICATION

**PURSUANT TO RULE 13A-14(B) OF THE SECURITIES EXCHANGE ACT OF 1934, AS AMENDED,
AND SECTION 1350 OF CHAPTER 63 OF TITLE 18 OF THE UNITED STATES CODE (18 U.S.C. SECTION 1350)**

In connection with the Annual Report of CH2M HILL Companies, Ltd. (the "Company") on Form 10-K for the annual period ended December 30, 2016 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Gary L. McArthur, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350 as adopted by Section 906 of the Sarbanes-Oxley Act of 2002 that to the best of my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Exchange Act as amended; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of, and for, the periods presented in the Report.

/s/ Gary L. McArthur
Gary L. McArthur
Chief Financial Officer

March 7, 2017

This certification "accompanies" the Report to which it relates, is not deemed filed with the Securities and Exchange Commission and is not to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended (whether made before or after the date of the Report), irrespective of any general incorporation language contained in such filing. A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request.

Biggs, Susan

From: Ryan, Mary Jo
Sent: Tuesday, May 23, 2017 2:32 PM
To: Biggs, Susan
Cc: Lanzo, Paul
Subject: RE: I-16-4266 - Knight E/A, Inc. - MAY Board Item - Disclosure Review, IPB# 22038320

Sue,

Disclosures are approved to move forward for the following:

- 1) Knight E/A, Inc.

Thank you,

Mary Jo Ryan
Document Control Coordinator
Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, IL 60515
Office: 630-241-6800 x 2644
Email: mjryan@getipass.com

From: Biggs, Susan
Sent: Tuesday, May 23, 2017 11:22 AM
To: Ryan, Mary Jo
Cc: Lanzo, Paul
Subject: I-16-4266 - Knight E/A, Inc. - MAY Board Item - Disclosure Review, IPB# 22038320

Mary Jo,

The following Financial Disclosure has been provided for your review and the Prime Consultant has been added to the spreadsheet.

I-16-4266 - Knight E/A, Inc.

This is a May Board agenda item. PSB 16-3 – IBP Notice 22038320

Please note that Knight E/A is a partner in a teaming agreement with CH2M Hill whose disclosures will be submitted separately.

Please let me know if you need any additional information.

Thanks,
Sue Biggs

ILLINOIS TOLLWAY CONTRACT NO.:

I-16-4266

CONTRACTOR (NAME):

Knight E/A, Inc.

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.
1. **ASSIGNMENT:** This contract may not be assigned, transferred in whole or in part by Vendor without the prior written consent of the State.
2. **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 to 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 authority, 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.

3. **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.
4. **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.
5. **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.
6. **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.
7. **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.

8. **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.
9. **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.
10. **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.
11. **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.
12. **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.
13. **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/legislation/ilcs/ilcs.asp>.
14. **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.
15. **CONTRACTUAL AUTHORITY:** 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.
16. **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.

17. **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.
18. **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.
19. **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.
20. **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.
21. **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.
22. **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.

23. **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.

24. **SUPPLEMENTAL PROVISIONS**

25.1 **TOLLWAY SUPPLEMENTAL PROVISIONS**

25.1.1 **Agents and Employees:**

Vendor shall be responsible for the negligent acts and omissions of its agents, employees and subcontractors in their performance of Vendor's duties under this Contract. Vendor represents that it shall utilize the services of individuals skilled in the profession for which they will be used in performing services or supplying goods hereunder. In the event that the Tollway determines that any individual performing services or supplying goods for Vendor hereunder is not providing such skilled services or delivery of goods, it shall promptly notify the Vendor and the Vendor shall replace that individual.

25.1.2 **Publicity:**

Vendor shall not, in any advertisement or any other type of solicitation for business, state, indicate or otherwise imply that it is under contract to the Tollway nor shall the Tollway's name be used in any such advertisement or solicitation without prior written approval except as required by law.

25.1.3 **Third Party Beneficiaries:**

There are no third party beneficiaries to this Contract. This Contract is intended only to benefit the Tollway/Buyer and the Vendor.

25.1.4 **Successors In Interest:**

All the terms, provisions, and conditions of the Contract shall be binding upon and inure to the benefit of the parties hereto and their respective successors, assigns and legal representatives.

25.1.5 **Venue:**

Any claim against the Tollway arising out of this contract must be filed exclusively with Circuit Court for the Eighteenth Judicial Circuit, DuPage County, Illinois for State claims and the U.S. District Court for the Northern District of Illinois for Federal claims.

25.1.5.1 Whenever "State" is used or referenced in this Contract, it shall be interpreted to mean "Tollway".

25.1.5.2 The State Prompt Payment Act (30 ILCS 40) does not apply to the Tollway.

25.1.5.3 The Tollway is not currently an appropriated agency.

25.2 **Report of a Change in Circumstances:** The Vendor agrees to report to the TOLLWAY as soon as practically possible, but no later than 21 days following any change in facts or circumstances that might

impact the Vendor'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 Vendor's Certification/Disclosure Forms, the Vendor's IDOT pre-qualification, or any certification or licensing required for this project. Additionally, Vendor agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the Vendor, 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 Vendor agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontracts relating to work performed under this agreement. The Vendor agrees to forward or relay to the Tollway any reports received from subconsultants pursuant to this paragraph within 21 days.

Finally, the Vendor acknowledges and agrees that the failure of the Vendor to comply with this reporting requirement shall constitute a material breach of contract which may result in this contract being declared void.

25.3 VENDOR SUPPLEMENTAL PROVISIONS

☐ Vendor Supplemental Provisions:

STATE OF ILLINOIS

SOLICITATION AND CONTRACT TERMS AND CONDITIONS EXCEPTIONS

_____ agrees with the terms and conditions set forth in the Professional Services Bulletin, including the standard terms and conditions, the Agency/University supplemental provisions, certifications, and disclosures, with the following exceptions:

	Excluding certifications required by statute to be made by the Vendor, both Parties agree that all of the duties and obligations that the Vendor owes to the Agency/University for the work performed shall be pursuant to the solicitation and resulting contract, and Vendor's exceptions accepted by the State thereto as set forth below.
	STANDARD TERMS AND CONDITIONS
Section/ Subsection #	State the exception such as "add," "replace," and/or "delete."
	ADDITIONAL TERMS AND CONDITIONS
New Provision(s), # et. seq.	Section/Subsection New Number, Title of New Subsection: State the new additional term or condition.

_____ hereby agrees to the exceptions provided by _____ and to the Additional Terms and Conditions provided by _____.

Agreed:	Agreed:
By:	By:
Signed:	Signed:
Position:	Position:
Date:	Date:



Sub-Consultant Information/Delinquent Debt Review
Consultant
Sub-Consultant
FEIN

Date: 05/15/2017

Project
Number: I-16-4266

Project Name: IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports

DELINQUENT DEBT REVIEW

Sub-Consultant Disclosure.

Will you be using any sub-consultants? ☐ Yes ☒ No

If yes, you must identify below, to the extent the information is known, the names, addresses and type of work all Sub-Consultants you will be using in the performance of this Contract, together with the anticipated percentage each is expected to receive pursuant to this Contract. The State may request updated information at any time. For purposes of this section Sub-Consultants are those specifically hired to perform all, or part, of the work of this contract or to provide the supplies requested by the State.

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 sub-contractor/consultant certifications as shown on the Standard Sub-contractor Certification form available from the State.

Delinquent Payment. The Sub-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

Consultant: Knight E/A, Inc.

Federal Employment Identification
Number (FEIN)

E-Mail:

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 sub-contractors including those identified in the Bid Package on DBE Form 2025 and VOSB Form 2025, and include any name listed in the "Under Contract To" section of these forms.

<u>Sub-Consultant(s)</u>	<u>Sub-Consultant FEIN</u>	<u>Address</u>	<u>General Type of Work</u>	<u>Anticipated Percentage of Contract (to extent known)</u>

Signature:

Date: May 15, 2017

Printed Name: Kevin E. Lentz

**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:

Business Name: Knight E/A, Inc.

Taxpayer Identification Number:

Social Security Number: Click here to enter text.

or

Employer Identification Number

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: _____

Date: May 15, 2017

Certificate of Registration

STATE BOARD OF ELECTIONS

Registration No. 11477

Knight E/A, Inc.

221 N. LaSalle Street

Suite 300

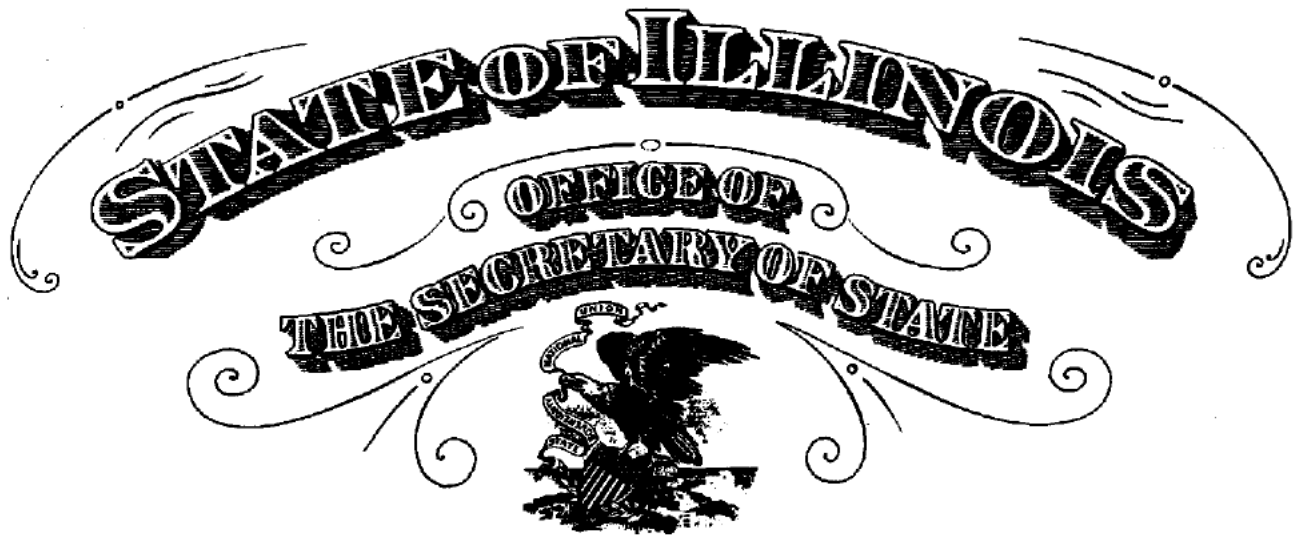
Chicago IL 60601-1211

Information for this business last updated on:

Thursday, January 5, 2017

Certificate produced on Monday, March 20, 2017 at 3:24 PM





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

KNIGHT E/A, INC., A DOMESTIC CORPORATION, INCORPORATED UNDER THE LAWS OF THIS STATE ON DECEMBER 30, 1998, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES, AND AS OF THIS DATE, IS 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 26TH
day of APRIL A.D. 2017 .***

Jesse White

SECRETARY OF STATE

Authentication #: 1711602108 verifiable until 04/26/2018

Authenticate at: <http://www.cyberdriveillinois.com>

EXHIBIT "1"

Page 184 of 542

Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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Knight E/A, Inc.**System Vendor Number: 20078209****Return to Main Form****Vendor Registration**

FORM NAME	A - B. Business Information & Additional Information
DESCRIPTION	Complete section A and B, In order to submit this form.
DATE SUBMITTED	5/5/2017
STATUS	Accepted
BUSINESS NAME	Knight E/A, Inc.
POINT OF CONTACT	<u>Melissa Mulhern</u>
FLAG FORM	<u>Add Flag</u>

A. Business Information

1. YOUR BUSINESS IS REGISTERING AS A	Prime contractor and subcontractor	70
2. NAME OF CEO/BUSINESS OWNER	Knight Partners, LLC	70
3. ANNUAL SALES/GROSS RECEIPTS	24591973	70
4. WHEN WAS YOUR BUSINESS ESTABLISHED?	12/30/1998	70
5. IN WHAT ILLINOIS COUNTY(IES) ARE YOU CONDUCTING BUSINESS?	The business conducts business statewide.	70
6. CONTACT PERSON FOR THIS VENDOR REGISTRATION	Melissa Mulhern	70
CONTACT PERSON TITLE	Chief Financial Officer	
CONTACT PERSON PHONE		
CONTACT PERSON EMAIL	mmulhern@knlgtea.com	

B. Additional Information

1. HOW DID YOU LEARN ABOUT THE ILLINOIS PROCUREMENT GATEWAY?	Chief Procurement Office (CPO)State Agency	70
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Vendor Registration: View Form

[General](#) [Public Profile](#) [Users](#) [Commodity Codes](#) [Contacts & Owners](#) [Comments](#) [Reviews](#) [Certifications](#) [Site Visits](#) [Registrations](#)

Knight E/A, Inc.

System Vendor Number: 20078209

[Return to Main Form](#)

Vendor Registration

FORM NAME	C. Small Business Set-Aside Program
DESCRIPTION	Complete the Small Business Set-Aside Program form
DATE SUBMITTED	5/5/2017
STATUS	Accepted
BUSINESS NAME	Knight E/A, Inc.
POINT OF CONTACT	Melissa Mulhern
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).[Customer Support](#)

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Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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Knight E/A, Inc.

System Vendor Number: 20078209

[Return to Main Form](#)

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	5/5/2017
STATUS	Accepted
BUSINESS NAME	Knight E/A, Inc.
POINT OF CONTACT	Melissa Mulhern
FLAG FORM	Add Flag

D. Department of Human Rights (DHR)

1. HIGHEST NUMBER OF EMPLOYEES 145
(INCLUDING FULL AND PART TIME
EMPLOYEES) AT ANY TIME DURING
THE PAST YEAR

2. SELECT THE DHR STATUS OF YOUR BUSINESS My business had 15 or more employees at any time within the past year.
110884-00 Exp: 08/05/2021

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).

Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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Knight E/A, Inc.

System Vendor Number: 20078209

[Return to Main Form](#)

Vendor Registration

FORM NAME	F - G. Certifications & Board of Elections
DESCRIPTION	Complete section F - G, in order to submit the form.
DATE SUBMITTED	5/5/2017
STATUS	Accepted
BUSINESS NAME	Knight E/A, Inc.
POINT OF CONTACT	<u>Melissa Mulhern</u>
FLAG FORM	<u>Add Flag</u>

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. PD

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 PD

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 PD

Yes

4. IF YOU ARE AWARDED A CONTRACT FOR WHICH THERE WAS A CURRENT VENDOR PROVIDING THE SERVICES COVERED BY THAT CONTRACT AND THE EMPLOYEES OF THAT VENDOR WHO PROVIDED THOSE SERVICES WERE COVERED BY A COLLECTIVE BARGAINING AGREEMENT, VENDOR CERTIFIES (I) THAT IT WILL OFFER TO ASSUME THE COLLECTIVE BARGAINING OBLIGATIONS OF THE PRIOR EMPLOYER, INCLUDING ANY EXISTING COLLECTIVE BARGAINING AGREEMENT WITH THE BARGAINING REPRESENTATIVE OF ANY EXISTING COLLECTIVE BARGAINING UNIT OR UNITS PERFORMING SUBSTANTIALLY SIMILAR WORK TO THE SERVICES COVERED BY THAT CONTRACT SUBJECT TO ITS BID OR OFFER; AND (II) THAT IT SHALL OFFER EMPLOYMENT TO ALL EMPLOYEES THAT ARE THEN CURRENTLY EMPLOYED IN ANY EXISTING BARGAINING UNIT WHO PERFORMS SUBSTANTIALLY SIMILAR WORK TO THE WORK THAT WILL BE PERFORMED PURSUANT TO THAT CONTRACT. THIS DOES NOT APPLY TO HEATING, AIR CONDITIONING, PLUMBING AND ELECTRICAL SERVICE CONTRACTS. 30 ILCS 500/25-80 PD

Yes

5. 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 PD

Yes

EXHIBIT "1"

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

14. 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

15. 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

16. 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

17. 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

EXHIBIT "1"

Yes

18. 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

19. 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

Yes

20. 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

21. 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

22. 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

23. 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

24. VENDOR CERTIFIES THAT IF IT OWNS RESIDENTIAL BUILDINGS, THAT ANY VIOLATION OF THE LEAD POISONING PREVENTION ACT HAS BEEN MITIGATED. 410 ILCS 45

Yes

25. 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

26. 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

27. 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

28. VENDOR WARRANTS AND CERTIFIES THAT IT AND, TO THE BEST OF ITS KNOWLEDGE, ITS SUBCONTRACTORS HAVE AND WILL COMPLY WITH EXECUTIVE ORDER NO. 1 (2007). THE ORDER GENERALLY PROHIBITS VENDORS AND SUBCONTRACTORS FROM HIRING THE THEN-SERVING GOVERNOR'S FAMILY MEMBERS TO LOBBY PROCUREMENT ACTIVITIES OF THE STATE, OR ANY OTHER 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

29. 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

EXHIBIT "1"

CONTRIBUTION THAT WILL VIOLATE THESE REQUIREMENTS.

Yes

30. 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)

Yes

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.

11477

Additional Information

STAFF ATTACHED FILE(S)

Attach File

Refresh List after attaching file(s).

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Knight E/A, Inc.

System Vendor Number: 20078209

[Return to Main Form](#)

Vendor Registration

FORM NAME	H. Iran Disclosure
DESCRIPTION	Complete section H, in order to submit this form.
DATE SUBMITTED	5/5/2017
STATUS	Accepted
BUSINESS NAME	Knight E/A, Inc.
POINT OF CONTACT	Melissa Mulhern
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).

Customer Support

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STATE OF ILLINOIS
FORMS B CERTIFICATIONS AND DISCLOSURES

IPB Reference #: 22038320

Procurement/Contract #: PSB 16-3, Item 2, I-16-4266

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 a valid IPG Registration Number.

If a vendor does not have a valid IPG 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 a valid Illinois Procurement Gateway (IPG) registration. The State of Illinois Chief Procurement Office approved the registration and provided the IPG registration number and expiration date disclosed in this Forms B.

To ensure that you have a valid 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 a valid IPG registration.

IPG Registration #: 20078209 IPG Expiration Date: 05/12/2018

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), amended by Public Act No. 97-0895 (August 3, 2012). ☒ Yes ☐ No

3. Replacement Certification to IPG Certification #6 (supersedes response in IPG)

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 ☐ No

4. 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/Public University 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
Click here to enter text.	Click here to enter text.	Click here to enter text.

Describe all costs/fees/compensation/reimbursements related to the assistance provided by each representative lobbyist or other agent to obtain this Agency/University contract: N/A

5. 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/University	Project Title	Status	Value	Contract Reference/P.O./Illinois Procurement Bulletin #
See Attached	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.

6. 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: Knight E/A Inc.

Phone: (312) 577-3300

Street Address: 221 N. LaSalle St., Suite 300

Email: klentz@knightea.com

City, State, Zip: Chicago, IL 60601

Vendor Contact: Kevin E. Lentz, PE

Signature: _____

Date: 05/15/2017

Printed Name: Kevin E. Lentz, PE

Title: President

Current Contracts with units of State of Illinois government:

Agency/University	Project Title	Status	Value	Contract Reference / P.O. / Illinois Procurement Bulletin #
Illinois Department of Transportation	IL 60/83 from IL 176 to EJ&E Railroad	Ongoing	\$2,006,692	PTB 143-003
Illinois Department of Transportation	I-64 Phase I/II Structures over Wabash River	Ongoing	\$1,839,778	PTB 147-042
Illinois Department of Transportation	Phase II, IL 7 (159 th Street) from I-355 to Will-Cook Road	Ongoing	\$3,299,417	PTB 157-004
Illinois Department of Transportation	HSR Chicago to St. Louis	Ongoing	\$3,000,000 max work order as assigned	PTB 160-027
University of Illinois at Chicago	Utilities Master Plan	Ongoing	\$2,497,936	QBS# PSS999C11036
State of Illinois Capital Development Board	Department of Natural Resources Replace Sewage Treatment Plants and Shower Building Kankakee River Conservation Area and State Park – Kankakee County	On Hold	\$174,000	Bulletin 181 Project # 102-313-047
Illinois Department of Transportation	IL 19 (Irving Park Road) at York Road, Phase III	Ongoing	\$7,516,852	PTB 165/Item 1 Job No. C-91-667-10
State of Illinois Capital Development Board	Historic Preservation Agency Renovate and Repair the Hotel Florence Pullman Factory Historic Site	Ongoing	\$75,000	Contract # 104-212-015 Project # 14042010
Illinois Tollway	IL 19 Interchange on the Elgin O'Hare Western Access (EOWA) Phase II	Ongoing	\$4,794,720	PSB 13-4/Item 2 I-13-4623
Illinois Department of Transportation	I-55 at Weber Road	Ongoing	\$3,724,000	PTB 169/Item 17 Job No. D-91-009-14,
State of Illinois Capital Development Board	Ashkum Salt Storage Building	Ongoing	\$129,900	Contract: 17000610 Project: 630-216-006
State of Illinois Capital Development Board	Various Improvements Statewide Program	Ongoing	\$77,777	Contract: 17020910 Project: 630-000-212
Illinois Department of Transportation	Various Phase I/II Projects, Various Routes, Various Counties, Region Two/District Two	Ongoing	Per Task Order	PTB 172/Item 17 Job No. P-92-020-14
Illinois Department of Transportation	IL 171 (Archer Ave.) 47 th St.-55 th St. Bridge Complex at I-55	Ongoing	\$4,188,581	PTB 175-013
Illinois Department of Transportation	I-90 at Old Orchard Road	Ongoing	\$947,656	PTB 175-012
Illinois Tollway	I-90/IL 25 to Higgins Road	Ongoing	\$10,106,664	PSB 14-1 item 6, I-14-4191
Illinois Department of Transportation	Des Plaines River Road	Ongoing	\$632,905	PTB 163-014

Pending Contracts with units of State of Illinois Governments:

Agency/ University	Project Title	Status	Value	Contract Reference / P.O. / Illinois Procurement Bulletin #
Illinois Tollway	IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports.	Pending	N/A	PSB 16-3, Item 2 I-16-4266
Illinois Department of Transportation	I-55 Study (I-80 to US Rt. 52)	Pending	N/A	PTB 182, Item 7 P-91-132-17
Illinois Department of Natural Resources	Mazonia Braidwood; Reclamation Design, Engineering, and Inspection	Pending	N/A	PTB 170/Item 24 Job No. AML-GKnP-1349
Illinois Department of Transportation	FAP 346 (US 41) at Deerpath Road Storm Water Pump Station, Phase II Project.	Pending	N/A	PTB 178-001

Current Proposals with units of State of Illinois government:

Agency/ University	Project Title	Status	Value	Contract Reference / P.O. / Illinois Procurement Bulletin #
Illinois Tollway	PSB 17-3	Pending	N/A	PSB 17-3 Items 03, 06, 08, 18, 20, 22, 24
University of Illinois at Chicago	Utilities Retainer	Pending	N/A	PSS600-C18004

Vendor Registration: View

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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Knight E/A, Inc.

System Vendor Number: 20078209

Vendor Registration

TYPE	State of Illinois Vendor Registration
DESCRIPTION	Register to do business with the State of Illinois
DATE SUBMITTED	5/5/2017
STATUS	Accepted
REVIEWER	Van Austin
DATE REVIEWED	5/12/2017
PUBLIC REVIEW COMMENTS	
PRIVATE REVIEW COMMENTS	
EXPIRATION DATE	5/12/2018
FLAG FORM	Add Flag

Settings

SMALL BUSINESS SET-ASIDE PROGRAM (SBSP) REGISTERED	No
REGISTERING AS A	Prime & Subcontractor

Vendor Information

BUSINESS NAME	Knight E/A, Inc.
PRIMARY CONTACT	Melissa Mulhern (change contact)
PRIMARY CONTACT EMAIL	MMulhern@knigheate.com
PHONE	312-577-3300
FAX	312-577-3526
COMPANY EMAIL	mmulhern@knigheate.com
TAX ID NUMBER	
COMPANY TYPE	Corporation
ADDRESS	221 North LaSalle Street Suite 300 Chicago, IL 60601 [edit address]

Vendor Registration: View Form

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Reviews	Certifications	Site Visits	Registrations
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Knight E/A, Inc.

System Vendor Number: 20078209

Return to Main Form

Vendor Registration

FORM NAME	I. Financial Disclosure & Conflicts of Interest
DESCRIPTION	Complete the Financial Disclosure & Conflicts of Interest form
DATE SUBMITTED	5/5/2017
STATUS	Accepted
BUSINESS NAME	Knight E/A, Inc.
POINT OF CONTACT	<u>Melissa Mulhern</u>
FLAG FORM	<u>Add Flag</u>

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 <u>IPG Parent Financial Disclosures and Conflicts of Interest Form</u> (PDF, 436.99 KB)	Attached by Melissa Mulhern on 4/27/2017

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. <u>IPG Percentage of Ownership and Distributive Income Form 2017</u> (PDF, 189.99 KB)	Attached by Melissa Mulhern on 4/27/2017

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

EXHIBIT "1"

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

EXHIBIT "1"

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.

EXHIBIT "1"

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).

Customer Support

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**ILLINOIS PROCUREMENT GATEWAY
PERCENTAGE OF OWNERSHIP AND DISTRIBUTIVE INCOME FORM**

Vendor Name: Knight E/A, Inc.

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
Knight Partners, LLC	221 N. LaSalle, Suite 300 Chicago, IL 60601	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**

Coulter

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	Knight E/A, Inc.
Doing Business As (DBA)	Click here to enter text.
Disclosing Entity	Knight Partners, LLC
Disclosing Entity's Parent Entity	Click here to enter text.
Instrument of Ownership or Beneficial Interest	Limited Liability Company Membership Agreement (Series LLC, Low-Profit Limited Liability Company) ☐ If you selected Other, please describe: Click here to enter text.

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

**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.

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

**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
JWE Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	39.93%	Click here to enter text.
KEL Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	37.95%	Click here to enter text.
MMM Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	6.88%	Click here to enter text.
Joseph Lamb	221 N. LaSalle St., Suite 300 Chicago, IL 60601	6.33%	Click here to enter text.
DGK Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	5.59%	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
JWE Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	39.93%	Click here to enter text.
KEL Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	37.95%	Click here to enter text.
MMM Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	6.88%	Click here to enter text.

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

Joseph Lamb	221 N. LaSalle St., Suite 300 Chicago, IL 60601	6.33%	Click here to enter text.
DGK Knight S-Corp	221 N. LaSalle St., Suite 300 Chicago, IL 60601	5.59%	Click here to enter text.

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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 3N
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: Joseph Lamb

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

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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: Joseph Lamb

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

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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: JWE Knight S Corp, KEL Knight S Corp, MMM Knight S Corp, DGK Knight S Corp, Joseph Lamb & Knight Partners, LLC

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

**FINANCIAL DISCLOSURES AND CONFLICTS OF INTEREST FORM
FOR PARENT ENTITY**

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: Knight Partners, LLC

Signature

Date: April 27, 2017

Printed Name: Melissa M. Mulhern

Title: Chief Financial Officer

Phone Number: 312-577-3306

Email Address: mmulhern@knightea.com



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
05/18/2017

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 MARSH USA INC. 1225 17TH STREET, SUITE 1300 DENVER, CO 80202-5534		CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL: ADDRESS:		FAX (A/C, No):																						
15114 - 12345-5EX2P-17-18		073323																								
INSURED CH2M HILL, INC. 200 VERDAE BLVD GREENVILLE, SC 29607		<table border="1"><thead><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td colspan="2">INSURER A : Greenwich Insurance Company</td><td>22322</td></tr><tr><td colspan="2">INSURER B : National Fire & Marine Insurance Co</td><td>20079</td></tr><tr><td colspan="2">INSURER C : XL Specialty Insurance Company</td><td>37885</td></tr><tr><td colspan="2">INSURER D : Zurich American Insurance Co</td><td>16535</td></tr><tr><td colspan="2">INSURER E :</td><td></td></tr><tr><td colspan="2">INSURER F :</td><td></td></tr></tbody></table>				INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A : Greenwich Insurance Company		22322	INSURER B : National Fire & Marine Insurance Co		20079	INSURER C : XL Specialty Insurance Company		37885	INSURER D : Zurich American Insurance Co		16535	INSURER E :			INSURER F :		
INSURER(S) AFFORDING COVERAGE		NAIC #																								
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INSURER B : National Fire & Marine Insurance Co		20079																								
INSURER C : XL Specialty Insurance Company		37885																								
INSURER D : Zurich American Insurance Co		16535																								
INSURER E :																										
INSURER F :																										

COVERAGES

CERTIFICATE NUMBER:

SEA-003151723-01

REVISION NUMBER:1

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	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ \$500,000 SIR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC OTHER:	X	X	RGE500025506	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 1,500,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,500,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 1,500,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS	X	X	RAD500025406	05/01/2017	05/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$	X	X	42UMO30247602	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	RWD500025206 (AOS) RWR500025306 (WI)	05/01/2017 05/01/2017	05/01/2018 05/01/2018	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	PROFESSIONAL LIABILITY*			EOC382962115	05/01/2017	05/01/2018	Each Claim & Aggregate \$2,000,000 Each Policy Period

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The certificate holder is included as an additional insured on the General Liability and Automobile Liability policies as required by written contract or agreement. Coverage provided by the above General Liability and Auto policies shall be primary and non-contributory and is limited to the liability resulting from the named insured's ownership and/or operations. General Liability, Auto Liability and Workers' Compensation policies include a Waiver of Subrogation. *For Professional Liability coverage, the aggregate limit is the total insurance available for claims presented within the policy period for all operations of the insured. The limit will be reduced by payments of indemnity and expense.

CERTIFICATE HOLDER

CANCELLATION

Illinois State Toll Highway Authority Attn: Linda Davis-Adams 2700 Ogden Avenue Downers Grove, IL 60515	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 of Marsh USA Inc. Jon Lindstrom
--	---

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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:

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.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: CH2M HILL COMPANIES, LTD

Endorsement Effective Date: May 1, 2017

SCHEDULE

Name(s) Of Person(s) Or Organization(s):

Any person or organization for whom the insured is operating under a written contract or agreement when such contract or agreement requires a waiver of subrogation would also fall within this waiver provision.

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.

ENDORSEMENT # 003

This endorsement, effective 12:01 a.m., May 1, 2017

forms a part of

Policy No. RAD500025406

issued to CH2M HILL COMPANIES, LTD.

by Greenwich Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

ADDITIONAL INSURED – WHERE REQUIRED UNDER CONTRACT OR AGREEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

Section II A. 1. WHO IS AN INSURED is amended to include:

Any entity, person, or organization you are required or have agreed in a contract, permit, access agreement and any other written agreement to provide insurance.

However, the insurance provided shall not exceed the scope of coverage and/or limits of this policy. Notwithstanding the foregoing sentence, in no event shall the insurance provided exceed the scope of coverage and/or limits required by said contract or agreement.



(Authorized Representative)

MANUS

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ENDORSEMENT # 026

This endorsement, effective 12:01 a.m., 05-01-2017

forms a part of

Policy No.RGE5000255-06

issued to CH2M Hill Companies, Ltd.

by Greenwich Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT CAREFULLY

CANCELLATION NOTIFICATION TO OTHERS ENDORSEMENT

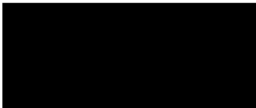
In the event coverage is cancelled or non renewed for any statutorily permitted reason or if coverage is materially reduced, or coverage is cancelled for non-payment of premium advanced written notice will be mailed to the person or entity according to the notification schedule shown below:

Name of Person or Entity	Mailing Address:	Number of Days Advanced Notice of Cancellation or Statutorily Permitted Reasons or if Coverage is Materially Reduced	Number of Days Advanced Notice of for Non- Payment of Premium
Any entity, person or organization where required by any contract, permit or access agreement	TBA	60 days	10 days

For the purpose of this endorsement, non-renewal shall mean solely non-renewal of the Policy and shall not include expiration or Notice of Conditional Renewal. Material reduction in coverage shall mean, with the Insured's agreement:

- policy limits shown in the declarations page get amended; or
- change in the deductible or self-insured retention, except where specific contract or project retentions are requested and agreed to by You and Us; or
- the application of a new policy exclusion not contemplated at inception except as required per state rules and regulations.

All other terms and conditions of the Policy remain unchanged.


(Authorized Representative)

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**NOTICE OF CANCELLATION, NONRENEWAL OR MATERIAL COVERAGE
REDUCTION TO DESIGNATED PERSONS OR ORGANIZATIONS**

The following is added to **PART SIX – CONDITIONS**:

Notice Of Cancellation, Nonrenewal Or Material Coverage Reduction To Designated Persons Or Organizations

If we cancel or non-renew this policy for any reason other than non-payment of premium by you, we will provide notice of such cancellation or non-renewal to each person or organization designated in the Schedule below. We will mail or deliver such notice to each person or organization at its listed address the number of days shown for that person or organization before the cancellation or nonrenewal is to take effect.

In the event of a change that materially reduces or restricts the coverage afforded by this policy, other than reduction of limits of liability through payment of claims, we will provide notice of such coverage reduction to each person or organization designated in the Schedule below. We will mail or deliver such notice to each person or organization at its listed address the number of days shown for that person or organization before the reduction is to take effect.

You are responsible for providing us with the information necessary to accurately complete the Schedule below. If we cannot mail or deliver a notice of cancellation, nonrenewal or material reduction in coverage to a designated person or organization because the name or address of such designated person or organization provided to us is not accurate or complete, we have no responsibility to mail, deliver or otherwise notify such designated person or organization of the cancellation, nonrenewal or reduction.

SCHEDULE**Name and Address of Designated Persons or Organizations:****Number of Days Notice**

Any entity, person or organization where required by contract, permit or access agreement.

60

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: May 1, 2017

Policy No.: RWD5000252-06

Endorsement No.

Insured: CH2M Hill Companies, Ltd.

Premium: \$ Included

Insurance Company: XL Specialty Insurance Company

Countersigned By: _____

ENDORSEMENT # 007

This endorsement, effective 12:01 a.m., May 1, 2017 forms a part of
Policy No. RAD500025406 issued to CH2M HILL COMPANIES, LTD.
by Greenwich Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT CAREFULLY

CANCELLATION NOTIFICATION TO OTHERS ENDORSEMENT

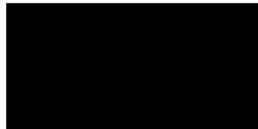
In the event coverage is cancelled or non renewed for any statutorily permitted reason or if coverage is materially reduced, or coverage is cancelled for non-payment of premium advanced written notice will be mailed to the person or entity according to the notification schedule shown below:

Name of Person or Entity	Mailing Address:	Number of Days Advanced Notice of Cancellation or Statutorily Permitted Reasons or if Coverage is Materially Reduced	Number of Days Advanced Notice of for Non- Payment of Premium
Any entity, person or organization where required by any contract, permit or access agreement	TBA	60 days	10 days

For the purpose of this endorsement, non-renewal shall mean solely non-renewal of the Policy and shall not include expiration or Notice of Conditional Renewal. Material reduction in coverage shall mean, with the Insured's agreement:

- policy limits shown in the declarations page get amended; or
- change in the deductible or self-insured retention, except where specific contract or project retentions are requested and agreed to by You and Us; or
- the application of a new policy exclusion not contemplated at inception except as required per state rules and regulations.

All other terms and conditions of the Policy remain unchanged.


(Authorized Representative)

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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
Any entity, person or organization you are required or have agreed in a written insured contract, permit, access agreement, and any other written agreement	All Locations
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.

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.

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:

Any person or organization for whom the insured is operating under a written contract or agreement when such contract or agreement requires a waiver of subrogation.

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.

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

Where required by written agreement signed prior to 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 May 1, 2017

Policy No. RWD5000252-06

Endorsement No.

Insured CH2M Hill Companies, Ltd.

Insurance Company
XL Specialty Insurance Company
WC 00 03 13
(Ed. 4-84)

Countersigned by



Davis-Adams, Linda

From: Thomas, Mark
Sent: Thursday, June 22, 2017 9:18 AM
To: Davis-Adams, Linda
Subject: FW: CH2M Hill & Knight Teaming's Certificate of Ins. for Contract #I-16-4266
Attachments: Certificate.pdf; Auto Broad Form Endt.pdf; GL - AI coverages.pdf; Work Comp Endt.pdf; Knight Partners 2037 0413.pdf; Knight Partners 2010 0413.pdf

Linda,

The insurance documentation submitted on behalf of Knight Partners LLC / Knight E/A, Inc. for contract I-16-4266 appears to meet Illinois Tollway insurance requirements.

Copies of the accepted insurance documentation are attached.

Mark R. Thomas, CRIS
Construction Insurance Analyst
Illinois Tollway
(630) 241-6800 ext. 4474
mthomas@getipass.com
www.illinoistollway.com

From: Davis-Adams, Linda
Sent: Thursday, June 22, 2017 8:29 AM
To: Thomas, Mark
Subject: FW: CH2M Hill & Knight Teaming's Certificate of Ins. for Contract #I-16-4266

Mark,

Please review the above Certificate of Insurance for CH2M Hill/Knight E/A, Inc. Teaming for your review and approval.

Linda Davis-Adams
Contract Payment Expediter Supervisor
The Illinois State Toll Highway Authority
2700 Ogden Avenue
Downers Grove, Illinois 60515
630-241-6800 Ext. 3363
Fax 630-241-6105
Email: ldavis-adams@getipass.com

From: Mulhern, Melissa [<mailto:MMulhern@knightea.com>]
Sent: Friday, June 02, 2017 5:17 PM
To: Rebecca.Belvisi@ch2m.com; Thomas, Mark
Cc: Foernssler, Peter; Davis-Adams, Linda
Subject: FW: CH2M Hill & Knight Teaming's Certificate of Ins. for Contract #I-16-4266

Rebecca/Mark,



KNIGPAR-01

MJOLLY

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
6/2/2017

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 Mesirow Insurance Services, Inc. 353 N. Clark St Chicago, IL 60654	CONTACT NAME: Megan Jolly	
	PHONE (A/C, No, Ext): (312) 595-8000 FAX (A/C, No):	
	E-MAIL ADDRESS: Megan.Jolly@alliant.com	
INSURED Knight Partners, LLC Knight E/A, Inc. 221 N. LaSalle Street Suite 300 Chicago, IL 60601-1211	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Hartford Fire Insurance Company	19682
	INSURER B: Hartford Underwriters Insurance Company	30104
	INSURER C: Hartford Casualty Insurance Company	29424
	INSURER D: Hartford Accident and Indemnity Company	22357
	INSURER E: Beazley Insurance Company, Inc.	37540
	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	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC ☐ OTHER:	X		83UUNVV1212	02/05/2017	02/05/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ALL OWNED AUTOS ☒ HIRED AUTOS ☐ SCHEDULED AUTOS NON-OWNED AUTOS	X		83UENVV1254	02/05/2017	02/05/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 0			83XHUUVV0122	02/05/2017	02/05/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	83WEBX2908	02/05/2017	02/05/2018	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional Liab			V124A5170501	02/05/2017	02/05/2018	Professional Liab 5,000,000
A	Valuable Papers			83UUNVV1212	02/05/2017	02/05/2018	Valuable Papers 50,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Knight Project number 7471 for Professional Engineering Services in connection Contract number PSB 16-3, Item 2, I-16-4266 IL 53/IL 120 Environmental Impact Statement (EIS) and Related Reports IPB# 22038320

CH2M HILL & The Illinois State Toll Highway Authority are included as Additional Insured(s) with respect to the General Liability and Automobile Liability coverages on a primary, non contributory basis, as required by written contract.

CERTIFICATE HOLDER

CANCELLATION

CERTIFICATE HOLDER CH2M HILL, Inc. 200 Verdae Blvd. Greenville, SC 29607	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
--	--

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ACORD 25 (2014/01)

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EXHIBIT "1"
Page 223 of 542

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

COMMERCIAL AUTOMOBILE BROAD FORM ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

To the extent that the provisions of this endorsement provide broader benefits to the "insured" than other provisions of the Coverage Form, the provisions of this endorsement apply.

1. BROAD FORM INSURED

A. Subsidiaries and Newly Acquired or Formed Organizations

The Named Insured shown in the Declarations is amended to include:

- (1) Any legal business entity other than a partnership or joint venture, formed as a subsidiary in which you have an ownership interest of more than 50% on the effective date of the Coverage Form. However, the Named Insured does not include any subsidiary that is an "insured" under any other automobile policy or would be an "insured" under such a policy but for its termination or the exhaustion of its Limit of Insurance.
- (2) Any organization that is acquired or formed by you and over which you maintain majority ownership. However, the Named Insured does not include any newly formed or acquired organization:
 - (a) That is a partnership or joint venture,
 - (b) That is an "insured" under any other policy,
 - (c) That has exhausted its Limit of Insurance under any other policy, or
 - (d) 180 days or more after its acquisition or formation by you, unless you have given us notice of the acquisition or formation.

Coverage does not apply to "bodily injury" or "property damage" that results from an "accident" that occurred before you formed or acquired the organization.

B. Employees as Insureds

Paragraph A.1. - WHO IS AN INSURED - of SECTION II - LIABILITY COVERAGE is amended to add:

- d. Any "employee" of yours while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

C. Lessors as Insureds

Paragraph A.1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add:

- e. The lessor of a covered "auto" while the "auto" is leased to you under a written agreement if:
 - (1) The agreement requires you to provide direct primary insurance for the lessor and
 - (2) The "auto" is leased without a driver.

Such a leased "auto" will be considered a covered "auto" you own and not a covered "auto" you hire.

D. Additional Insured if Required by Contract

(1) Paragraph A.1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add:

- f. When you have agreed, in a written contract or written agreement, that a person or organization be added as an additional insured on your business auto policy, such person or organization is an "insured", but only to the extent such person or organization is liable for "bodily injury" or "property damage" caused by the conduct of an "insured" under paragraphs a. or b. of Who Is An Insured with regard to the ownership, maintenance or use of a covered "auto."

The insurance afforded to any such additional insured applies only if the "bodily injury" or "property damage" occurs:

- (1) During the policy period, and
- (2) Subsequent to the execution of such written contract, and
- (3) Prior to the expiration of the period of time that the written contract requires such insurance be provided to the additional insured.

(2) How Limits Apply

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

- (a) The limits of insurance specified in the written contract or written agreement; or
- (b) The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

(3) Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

(4) Duties in The Event Of Accident, Claim, Suit or Loss

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the additional insured shall be required to comply with the provisions in LOSS CONDITIONS 2. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS - OF SECTION IV - BUSINESS AUTO CONDITIONS, in the same manner as the Named Insured.

E. Primary and Non-Contributory If Required by Contract

Only with respect to insurance provided to an additional insured in 1.D. - Additional Insured If Required by Contract, the following provisions apply:

(3) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in Other Insurance 5.d.

(4) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs (3) and (4) do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

- (1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and
- (2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, by the method described in Other Insurance 5.d.

2. AUTOS RENTED BY EMPLOYEES

Any "auto" hired or rented by your "employee" on your behalf and at your direction will be considered an "auto" you hire.

The OTHER INSURANCE Condition is amended by adding the following:

If an "employee's" personal insurance also applies on an excess basis to a covered "auto" hired or rented by your "employee" on your behalf and at your direction, this insurance will be primary to the "employee's" personal insurance.

3. AMENDED FELLOW EMPLOYEE EXCLUSION

EXCLUSION 5. - FELLOW EMPLOYEE - of SECTION II. - LIABILITY COVERAGE does not apply if you have workers' compensation insurance in-force covering all of your "employees".

Coverage is excess over any other collectible insurance.

4. HIRED AUTO PHYSICAL DAMAGE COVERAGE

If hired "autos" are covered "autos" for Liability Coverage and if Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form for any "auto" you own, then the Physical Damage Coverages provided are extended to "autos" you hire or borrow, subject to the following limit.

The most we will pay for "loss" to any hired "auto" is:

- (1) \$100,000;
- (2) The actual cash value of the damaged or stolen property at the time of the "loss"; or
- (3) The cost of repairing or replacing the damaged or stolen property,

whichever is smallest, minus a deductible. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage. No deductible applies to "loss" caused by fire or lightning. Hired Auto Physical Damage coverage is excess over any other collectible insurance. Subject to the above limit, deductible and excess provisions, we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own.

We will also cover loss of use of the hired "auto" if it results from an "accident", you are legally liable and the lessor incurs an actual financial loss, subject to a maximum of \$1000 per "accident".

This extension of coverage does not apply to any "auto" you hire or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company), or members of their households.

5. PHYSICAL DAMAGE - ADDITIONAL TEMPORARY TRANSPORTATION EXPENSE COVERAGE

Paragraph A.4.a. of SECTION III - PHYSICAL DAMAGE COVERAGE is amended to provide a limit of \$50 per day and a maximum limit of \$1,000.

6. LOAN/LEASE GAP COVERAGE

Under SECTION III - PHYSICAL DAMAGE COVERAGE, in the event of a total "loss" to a covered "auto", we will pay your additional legal obligation for any difference between the actual cash value of the "auto" at the time of the "loss" and the "outstanding balance" of the loan/lease.

"Outstanding balance" means the amount you owe on the loan/lease at the time of "loss" less any amounts representing taxes; overdue payments; penalties, interest or charges resulting from overdue payments; additional mileage charges; excess wear and tear charges; lease termination fees; security deposits not returned by the lessor; costs for extended warranties, credit life insurance, health, accident or disability insurance purchased with the loan or lease; and carry-over balances from previous loans or leases.

7. AIRBAG COVERAGE

Under Paragraph B. EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

The exclusion relating to mechanical breakdown does not apply to the accidental discharge of an airbag.

8. ELECTRONIC EQUIPMENT - BROADENED COVERAGE

a. The exceptions to Paragraphs B.4 - EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE are replaced by the following:

Exclusions 4.c. and 4.d. do not apply to equipment designed to be operated solely by use of the power from the "auto's" electrical system that, at the time of "loss", is:

- (1) Permanently installed in or upon the covered "auto";
- (2) Removable from a housing unit which is permanently installed in or upon the covered "auto";
- (3) An integral part of the same unit housing any electronic equipment described in Paragraphs (1) and (2) above; or

- (4) Necessary for the normal operation of the covered "auto" or the monitoring of the covered "auto's" operating system.

b. Section III - Version CA 00 01 03 10 of the Business Auto Coverage Form, Physical Damage Coverage, Limit of Insurance, Paragraph C.2 and Version CA 00 01 10 01 of the Business Auto Coverage Form, Physical Damage Coverage, Limit of Insurance, Paragraph C are each amended to add the following:

\$1,500 is the most we will pay for "loss" in any one "accident" to all electronic equipment (other than equipment designed solely for the reproduction of sound, and accessories used with such equipment) that reproduces, receives or transmits audio, visual or data signals which, at the time of "loss", is:

- (1) Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment;
- (2) Removable from a permanently installed housing unit as described in Paragraph 2.a. above or is an integral part of that equipment; or
- (3) An integral part of such equipment.

c. For each covered "auto", should loss be limited to electronic equipment only, our obligation to pay for, repair, return or replace damaged or stolen electronic equipment will be reduced by the applicable deductible shown in the Declarations, or \$250, whichever deductible is less.

9. EXTRA EXPENSE - BROADENED COVERAGE

Under Paragraph A. - COVERAGE - of SECTION III - PHYSICAL DAMAGE COVERAGE, we will pay for the expense of returning a stolen covered "auto" to you.

10. GLASS REPAIR - WAIVER OF DEDUCTIBLE

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

No deductible applies to glass damage if the glass is repaired rather than replaced.

11. TWO OR MORE DEDUCTIBLES

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

If another Hartford Financial Services Group, Inc. company policy or coverage form that is not an automobile policy or coverage form applies to the same "accident", the following applies:

- (1) If the deductible under this Business Auto Coverage Form is the smaller (or smallest) deductible, it will be waived;
- (2) If the deductible under this Business Auto Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

12. AMENDED DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS

The requirement in LOSS CONDITIONS 2.a. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS - of SECTION IV - BUSINESS AUTO CONDITIONS that you must notify us of an "accident" applies only when the "accident" is known to:

- (1) You, if you are an individual;
- (2) A partner, if you are a partnership;
- (3) A member, if you are a limited liability company; or
- (4) An executive officer or insurance manager, if you are a corporation.

13. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS

If you unintentionally fail to disclose any hazards existing at the inception date of your policy, we will not deny coverage under this Coverage Form because of such failure.

14. HIRED AUTO - COVERAGE TERRITORY

Paragraph e. of GENERAL CONDITIONS 7. - POLICY PERIOD, COVERAGE TERRITORY - of SECTION IV - BUSINESS AUTO CONDITIONS is replaced by the following:

e. For short-term hired "autos", the coverage territory with respect to Liability Coverage is anywhere in the world provided that if the "insured's" responsibility to pay damages for "bodily injury" or "property damage" is determined in a "suit," the "suit" is brought in the United States of America, the territories and possessions of the United States of America, Puerto Rico or Canada or in a settlement we agree to.

15. WAIVER OF SUBROGATION

TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US - of SECTION IV - BUSINESS AUTO CONDITIONS is amended by adding the following:

We waive any right of recovery we may have against any person or organization with whom you have a written contract that requires such waiver because of payments we make for damages under this Coverage Form.

16. RESULTANT MENTAL ANGUISH COVERAGE

The definition of "bodily injury" in SECTION V-DEFINITIONS is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by any person, including mental anguish or death resulting from any of these.

17. EXTENDED CANCELLATION CONDITION

Paragraph 2. of the COMMON POLICY CONDITIONS - CANCELLATION - applies except as follows:

If we cancel for any reason other than nonpayment of premium, we will mail or deliver to the first Named Insured written notice of cancellation at least 60 days before the effective date of cancellation.

18. HYBRID, ELECTRIC, OR NATURAL GAS VEHICLE PAYMENT COVERAGE

In the event of a total loss to a "non-hybrid" auto for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended as follows:

- a. If the auto is replaced with a "hybrid" auto or an auto powered solely by electricity or natural gas, we will pay an additional 10%, to a maximum of \$2,500, of the "non-hybrid" auto's actual cash value or replacement cost, whichever is less.
- b. The auto must be replaced and a copy of a bill of sale or new lease agreement received by us within 60 calendar days of the date of "loss."

c. Regardless of the number of autos deemed a total loss, the most we will pay under this Hybrid, Electric, or Natural Gas Vehicle Payment Coverage provision for any one "loss" is \$10,000.

For the purposes of the coverage provision,

- a. A "non-hybrid" auto is defined as an auto that uses only an internal combustion engine to move the auto but does not include autos powered solely by electricity or natural gas.
- b. A "hybrid" auto is defined as an auto with an internal combustion engine and one or more electric motors; and that uses the internal combustion engine and one or more electric motors to move the auto, or the internal combustion engine to charge one or more electric motors, which move the auto.

19. VEHICLE WRAP COVERAGE

In the event of a total loss to an "auto" for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended to add the following:

In addition to the actual cash value of the "auto", we will pay up to \$1,000 for vinyl vehicle wraps which are displayed on the covered "auto" at the time of total loss. Regardless of the number of autos deemed a total loss, the most we will pay under this Vehicle Wrap Coverage provision for any one "loss" is \$5,000. For purposes of this coverage provision, signs or other graphics painted or magnetically affixed to the vehicle are not considered vehicle wraps.

necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments. Notwithstanding the provisions of Paragraph 2.b.(2) of Section I – Coverage A – Bodily Injury And Property Damage Liability, such payments will not be deemed to be damages for "bodily injury" and "property damage" and will not reduce the limits of insurance.

Our obligation to defend an insured's indemnitee and to pay for attorneys' fees and necessary litigation expenses as Supplementary Payments ends when:

- a. We have used up the applicable limit of insurance in the payment of judgments or settlements; or
- b. The conditions set forth above, or the terms of the agreement described in Paragraph f. above, are no longer met.

SECTION II – WHO IS AN INSURED

1. If you are designated in the Declarations as:

- a. An individual, you and your spouse are insureds, but only with respect to the conduct of a business of which you are the sole owner.
- b. A partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to the conduct of your business.
- c. A limited liability company, you are an insured. Your members are also insureds, but only with respect to the conduct of your business. Your managers are insureds, but only with respect to their duties as your managers.
- d. An organization other than a partnership, joint venture or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.
- e. A trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees.

2. Each of the following is also an insured:

a. Employees and Volunteer workers

Your "volunteer workers" only while performing duties related to the conduct of your business, or your "employees", other than either your "executive officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business.

However, none of these "employees" or "volunteer workers" are insureds for:

(1) "Bodily injury" or "personal and advertising injury":

- (a) To you, to your partners or members (if you are a partnership or joint venture), to your members (if you are a limited liability company), to a co-"employee" while in the course of his or her employment or performing duties related to the conduct of your business, or to your other "volunteer workers" while performing duties related to the conduct of your business;
- (b) To the spouse, child, parent, brother or sister of that co-"employee" or that "volunteer worker" as a consequence of Paragraph (1)(a) above;
- (c) For which there is any obligation to share damages with or repay someone else who must pay damages because of the injury described in Paragraphs (1)(a) or (b) above; or

(d) Arising out of his or her providing or failing to provide professional health care services.

If you are not in the business of providing professional health care services, Paragraph (d) does not apply to any nurse, emergency medical technician or paramedic employed by you to provide such services.

(2) "Property damage" to property:

- (a) Owned, occupied or used by,
- (b) Rented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by you, any of your "employees", "volunteer workers", any partner or member (if you are a partnership or joint venture), or any member (if you are a limited liability company).

b. Real Estate Manager

Any person (other than your "employee" or "volunteer worker"), or any organization while acting as your real estate manager.

c. Temporary Custodians of Your Property

Any person or organization having proper temporary custody of your property if you die, but only:

- (1) With respect to liability arising out of the maintenance or use of that property; and
- (2) Until your legal representative has been appointed.

d. Legal Representative If You Die

Your legal representative if you die, but only with respect to duties as such. That representative will

have all your rights and duties under this Coverage Part.

e. Unnamed Subsidiary

Any subsidiary, and subsidiary thereof, of yours which is a legally incorporated entity of which you own a financial interest of more than 50% of the voting stock on the effective date of the Coverage Part.

The insurance afforded herein for any subsidiary not named in this Coverage Part as a named insured does not apply to injury or damage with respect to which an insured under this Coverage Part is also an insured under another policy or would be an insured under such policy but for its termination or the exhaustion of its limits of insurance.

3. Newly Acquired or Formed Organization

Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and over which you maintain financial interest of more than 50% of the voting stock, will qualify as a Named Insured if there is no other similar insurance available to that organization. However:

- a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier;
- b. Coverage **A** does not apply to "bodily injury" or "property damage" that occurred before you acquired or formed the organization; and
- c. Coverage **B** does not apply to "personal and advertising injury" arising out of an offense committed before you acquired or formed the organization.

4. Mobile Equipment

With respect to "mobile equipment" registered in your name under any motor vehicle registration law, any person is an insured while driving such equipment along a public highway with your permission. Any other person or organization responsible for the conduct of such person is also an insured, but only with respect to liability arising out of the operation of the equipment, and only if no other insurance of any kind is available to that person or organization for this liability. However, no person or organization is an insured with respect to:

- a. "Bodily injury" to a co-"employee" of the person driving the equipment; or
- b. "Property damage" to property owned by, rented to, in the charge of or occupied by you or the employer of any person who is an insured under this provision.

5. Nonowned Watercraft

With respect to watercraft you do not own that is less than 51 feet long and is not being used to carry persons for a charge, any person is an insured while operating such watercraft with your permission. Any other person or organization responsible for the conduct of such person is also an insured, but only with respect to liability arising out of the operation of the watercraft, and only if no other insurance of any kind is available to that person or organization for this liability.

However, no person or organization is an insured with respect to:

- a. "Bodily injury" to a co-"employee" of the person operating the watercraft; or
- b. "Property damage" to property owned by, rented to, in the charge of or occupied by you or the employer of any person who is an insured under this provision.

6. Additional Insureds When Required By Written Contract, Written Agreement Or Permit

The following person(s) or organization(s) are an additional insured when you have agreed, in a written contract, written agreement or because of a permit issued by a state or political subdivision, that such person or organization be added as an additional insured on your policy, provided the injury or damage occurs subsequent to the execution of the contract or agreement.

A person or organization is an additional insured under this provision only for that period of time required by the contract or agreement.

However, no such person or organization is an insured under this provision if such person or organization is included as an insured by an endorsement issued by us and made a part of this Coverage Part.

a. Vendors

Any person(s) or organization(s) (referred to below as vendor), but only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business and only if this Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

- (1) The insurance afforded the vendor is subject to the following additional exclusions:

This insurance does not apply to:

- (a) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;

- (b) Any express warranty unauthorized by you;
 - (c) Any physical or chemical change in the product made intentionally by the vendor;
 - (d) Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;
 - (e) Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;
 - (f) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;
 - (g) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or
 - (h) "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:
 - (i) The exceptions contained in Sub-paragraphs (d) or (f); or
 - (ii) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.
- (2) This insurance does not apply to any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.

b. Lessors of Equipment

- (1) Any person or organization from whom you lease equipment; but only with respect to their liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person or organization.
- (2) With respect to the insurance afforded to these additional insureds this insurance does not apply to any "occurrence" which takes place after the equipment lease expires.

c. Lessors of Land or Premises

Any person or organization from whom you lease land or premises, but only with respect to liability arising out of the ownership, maintenance or use of that part of the land or premises leased to you.

With respect to the insurance afforded these additional insureds the following additional exclusions apply:

This insurance does not apply to:

- 1. Any "occurrence" which takes place after you cease to lease that land; or
- 2. Structural alterations, new construction or demolition operations performed by or on behalf of such person or organization.

d. Architects, Engineers or Surveyors

Any architect, engineer, or surveyor, 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 connection with your premises; or
- (2) In the performance of your ongoing operations performed by you or on your behalf.

With respect to the insurance afforded 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 by or for you, including:

- 1. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- 2. Supervisory, inspection, architectural or engineering activities.

e. Permits Issued By State Or Political Subdivisions

Any state or political subdivision, but only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit.

With respect to the insurance afforded these additional insureds, this insurance does not apply to:

- (1) "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or
- (2) "Bodily injury" or "property damage" included within the "products-completed operations hazard".

f. Any Other Party

Any other person or organization who is not an insured under Paragraphs a. through e. above, 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;
- (2) In connection with your premises owned by or rented to you; or
- (3) In connection with "your work" and included within the "products-completed operations hazard", but only if
 - (a) The written contract or agreement requires you to provide such coverage to such additional insured; and
 - (b) This Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

With respect to the insurance afforded to these additional insureds, 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 architectural, engineering or surveying services, including:

- (1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
- (2) Supervisory, inspection, architectural or engineering activities.

The limits of insurance that apply to additional insureds under this provision is described in Section III – Limits Of Insurance.

How this insurance applies when other insurance is available to the additional insured is described in the Other Insurance Condition in Section IV – Commercial General Liability Conditions.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III – LIMITS OF INSURANCE

1. The Most We will Pay

The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

- a. Insureds;
- b. Claims made or "suits" brought; or

- c. Persons or organizations making claims or bringing "suits".

2. General Aggregate Limit

The General Aggregate Limit is the most we will pay for the sum of:

- a. Medical expenses under Coverage C;
- b. Damages under Coverage A, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard"; and
- c. Damages under Coverage B.

3. Products-Completed Operations Aggregate Limit

The Products-Completed Operations Aggregate Limit is the most we will pay under Coverage A for damages because of "bodily injury" and "property damage" included in the "products-completed operations hazard".

4. Personal and Advertising Injury Limit

Subject to 2. above, the Personal and Advertising Injury Limit is the most we will pay under Coverage B for the sum of all damages because of all "personal and advertising injury" sustained by any one person or organization.

5. Each Occurrence Limit

Subject to 2. or 3. above, whichever applies, the Each Occurrence Limit is the most we will pay for the sum of:

- a. Damages under Coverage A; and
- b. Medical expenses under Coverage C because of all "bodily injury" and "property damage" arising out of any one "occurrence".

6. Damage To Premises Rented To You Limit

Subject to 5. above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage A for damages because of "property damage" to any one premises, while rented to you, or in the case of damage by fire, lightning or explosion, while rented to you or temporarily occupied by you with permission of the owner.

In the case of damage by fire, lightning or explosion, the Damage to Premises Rented To You Limit applies to all damage proximately caused by the same event, whether such damage results from fire, lightning or explosion or any combination of these.

7. Medical Expense Limit

Subject to 5. above, the Medical Expense Limit is the most we will pay under Coverage C for all medical expenses because of "bodily injury" sustained by any one person.

8. How Limits Apply To Additional Insureds

If you have agreed in a written contract or written agreement that another person or organization be

added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

- a. The limits of insurance specified in the written contract or written agreement; or
- b. The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS

1. Bankruptcy

Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.

2. Duties In The Event Of Occurrence, Offense, Claim Or Suit

a. Notice Of Occurrence Or Offense

You or any additional insured must see to it that we are notified as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, notice should include:

- (1) How, when and where the "occurrence" or offense took place;
- (2) The names and addresses of any injured persons and witnesses; and
- (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.

b. Notice Of Claim

If a claim is made or "suit" is brought against any insured, you or any additional insured must:

- (1) Immediately record the specifics of the claim or "suit" and the date received; and
- (2) Notify us as soon as practicable.

You or any additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.

c. Assistance And Cooperation Of The Insured

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 or "suit";
- (2) Authorize us to obtain records and other information;

- (3) Cooperate with us in the investigation or settlement of the claim 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 damage to which this insurance may also apply.

d. Obligations At The Insureds Own Cost

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 consent.

e. Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

f. Knowledge Of An Occurrence, Offense, Claim Or Suit

Paragraphs a. and b. apply to you or to any additional insured only when such "occurrence", offense, claim or "suit" is known to:

- (1) You or any additional insured that is an individual;
- (2) Any partner, if you or an additional insured is a partnership;
- (3) Any manager, if you or an additional insured is a limited liability company;
- (4) Any "executive officer" or insurance manager, if you or an additional insured is a corporation;
- (5) Any trustee, if you or an additional insured is a trust; or
- (6) Any elected or appointed official, if you or an additional insured is a political subdivision or public entity.

This duty applies separately to you and any additional insured.

3. Legal Action Against Us

No person or organization has a right under this Coverage Part:

- a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
- b. To sue us on this Coverage Part 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 Coverage Part or

that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

4. Other Insurance

If other valid and collectible insurance is available to the insured for a loss we cover under Coverages A or B of this Coverage Part, our obligations are limited as follows:

a. Primary Insurance

This insurance is primary except when b. below applies. If other insurance is also primary, we will share with all that other insurance by the method described in c. below.

b. Excess Insurance

This insurance is excess over any of the other insurance, whether primary, excess, contingent or on any other basis:

(1) Your Work

That is Fire, Extended Coverage, Builder's Risk, Installation Risk or similar coverage for "your work";

(2) Premises Rented To You

That is fire, lightning or explosion insurance for premises rented to you or temporarily occupied by you with permission of the owner;

(3) Tenant Liability

That is insurance purchased by you to cover your liability as a tenant for "property damage" to premises rented to you or temporarily occupied by you with permission of the owner;

(4) Aircraft, Auto Or Watercraft

If the loss arises out of the maintenance or use of aircraft, "autos" or watercraft to the extent not subject to Exclusion g. of Section I - Coverage A - Bodily Injury And Property Damage Liability;

(5) Property Damage to Borrowed Equipment Or Use Of Elevators

If the loss arises out of "property damage" to borrowed equipment or the use of elevators to the extent not subject to Exclusion j. of Section I - Coverage A - Bodily Injury And Property Damage Liability;

(6) When You Are Added As An Additional Insured To Other Insurance

Any other insurance available to you covering liability for damages arising out of the premises or operations, or products and completed operations, for which you have been added as an additional insured by that insurance; or

(7) When You Add Others As An Additional Insured To This Insurance

Any other insurance available to an additional insured.

However, the following provisions apply to other insurance available to any person or organization who is an additional insured under this coverage part.

(a) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in c. below.

(b) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract, written agreement, or permit that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs (a) and (b) do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty under Coverages A or B to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

(1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

(2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, with any other insurance that is not described in this Excess Insurance provision and was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

c. Method Of Sharing

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

5. Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the first Named Insured. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the first Named Insured.
- c. The first Named Insured must keep records of the information we need for premium computation, and send us copies at such times as we may request.

6. Representations

a. When You Accept This Policy

By accepting this policy, you agree:

- (1) The statements in the Declarations are accurate and complete;
- (2) Those statements are based upon representations you made to us; and
- (3) We have issued this policy in reliance upon your representations.

b. Unintentional Failure To Disclose Hazards

If unintentionally you should fail to disclose all hazards relating to the conduct of your business that exist at the inception date of this Coverage Part, we shall not deny coverage under this Coverage Part because of such failure.

7. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

8. Transfer Of Rights Of Recovery Against Others To Us

a. Transfer of Rights Of Recovery

If the insured has rights to recover all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the

insured will bring "suit" or transfer those rights to us and help us enforce them.

b. Waiver Of Rights Of Recovery (Waiver Of Subrogation)

If the insured has waived any rights of recovery against any person or organization for all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, we also waive that right, provided the insured waived their rights of recovery against such person or organization in a contract, agreement or permit that was executed prior to the injury or damage.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V - DEFINITIONS

1. "Advertisement" means the widespread public dissemination of information or images that has the purpose of inducing the sale of goods, products or services through:

- a. (1) Radio;
- (2) Television;
- (3) Billboard;
- (4) Magazine;
- (5) Newspaper; or

- b. Any other publication that is given widespread public distribution.

However, "advertisement" does not include:

- a. The design, printed material, information or images contained in, on or upon the packaging or labeling of any goods or products; or
- b. An interactive conversation between or among persons through a computer network.

2. "Advertising idea" means any idea for an "advertisement".

3. "Asbestos hazard" means an exposure or threat of exposure to the actual or alleged properties of asbestos and includes the mere presence of asbestos in any form.

4. "Auto" means a land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment. But "auto" does not include "mobile equipment".
5. "Bodily injury" means physical:

- a. Injury;
- b. Sickness; or
- c. Disease

sustained by a person and, if arising out of the above, mental anguish or death at any time.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WORKERS' COMPENSATION BROAD FORM ENDORSEMENT EXTENDED OPTIONS

Policy Number: 83 WE BX2906

Endorsement Number:

Effective Date: 02/05/16

Effective hour is the same as stated on the Information Page of the policy.

Named Insured and Address: KNIGHT PARTNERS LLC

221 N LASALLE ST STE 300
CHICAGO IL 60601

Section I of this endorsement expands coverage provided under WC 00 00 00.

Section II of this endorsement provides additional coverage usually only provided by endorsement.

Section III of this endorsement is a Schedule of Covered States.

You may use the index to locate these coverage features quickly:

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and Wyoming			

SECTION I

PARTS ONE and TWO

1. WE WILL ALSO PAY

- D. We Will Also Pay of Part One (WORKERS' COMPENSATION INSURANCE); and
- E. We Will Also Pay of Part Two (EMPLOYERS' LIABILITY INSURANCE) is replaced by the following:

We Will Also Pay

We will also pay these costs, in addition to other amounts payable under this insurance, as part of any claim, proceeding, or suit we defend:

1. reasonable expenses incurred at our request, **INCLUDING** loss of earnings;
2. premiums for bonds to release attachments and for appeal bonds in bond amounts up to the limit of our liability under this insurance;
3. litigation costs taxed against you;
4. interest on a judgment as required by law until we offer the amount due under this law; and
5. expenses we incur.

PART THREE

2. How This Insurance Applies

Paragraph 4. of A. How This Insurance Applies of Part 3 (Other States Insurance) is replaced by the following:

4. If you have work on the effective date of this policy in any state not listed in Item 3.A. of the Information Page, coverage will not be afforded for that state unless we are notified within **sixty** days.

PART SIX

3. Transfer Of Your Rights and Duties

- C. Transfer Of Your Rights and Duties of Part 6 (Conditions) is replaced by the following:

Your rights or duties under this policy may not be transferred without our written consent.

If you die and we receive notice within **sixty** days after your death, we will cover your legal representative as insured.

4. Liberalization

If we adopt a change in this form that would broaden the coverage of this form without extra charge, the broader coverage will apply to this policy. It will apply when the change becomes effective in your state.

SECTION II

VOLUNTARY COMPENSATION AND EMPLOYERS' LIABILITY COVERAGE

5. Voluntary Compensation Insurance

A. How This Insurance Applies

This insurance applies to bodily injury by accident or bodily injury by disease. Bodily injury includes resulting death.

1. The bodily injury must be sustained by any officer or employee not subject to the workers' compensation law of any state shown in Item 3.A. of the Information Page.
2. The bodily injury must arise out of and in the course of employment or incidental

to work in a state shown in Item 3.A. of the Information Page.

3. The bodily injury must occur in the United States of America, its territories or possessions, or Canada, and may occur elsewhere if the employee is a United States or Canadian citizen, or otherwise legal resident, and legally employed, in the United States or Canada and temporarily away from those places.
4. Bodily injury by accident must occur during the policy period.
5. Bodily injury by disease must be caused or aggravated by the conditions of the

officer's or employee's employment. The officer's or employee's last day of last exposure to the conditions causing or aggravating such bodily injury by disease must occur during the policy period.

B. We Will Pay

We will pay an amount equal to the benefits that would be required of you as if you and your employees were subject to the workers' compensation law of any state shown in Item 3.A. of the Information Page. We will pay those amounts to the persons who would be entitled to them under the law.

C. Exclusion

This insurance does not cover:

1. any obligation imposed by workers' compensation or occupational disease law or any similar law.
2. bodily injury intentionally caused or aggravated by you.
3. officers or employees who have elected not to be subject to the state workers' compensation law.
4. partners or sole proprietors not covered under the Standard Sole Proprietors, Partners, Officers and Others Coverage Endorsement.

D. Before We Pay

Before we pay benefits to the persons entitled to them, they must:

1. Release you and us, in writing, of all responsibility for the injury or death.
2. Transfer to us their right to recover from others who may be responsible for the injury or death.
3. Cooperate with us and do everything necessary to enable us to enforce the right to recover from others.

If the persons entitled to the benefits of this insurance fail to do those things, our duty to pay ends at once. If they claim damages from you or from us for the injury or death, our duty to pay ends at once.

E. Recovery From Others

If we make a recovery from others, we will keep an amount equal to our expenses of

recovery and the benefits we paid. We will pay the balance to the persons entitled to it. If the persons entitled to the benefits of this insurance make a recovery from others, they must reimburse us for the benefits we paid them.

F. Employers' Liability Insurance

Part Two (Employers' Liability Insurance) applies to bodily injury covered by this endorsement as though the State of Employment was shown in Item 3.A. of the Information Page.

This provision 5. does not apply in New Jersey or Wisconsin.

EMPLOYERS' LIABILITY STOP GAP COVERAGE

6. Employers' Liability Stop Gap Coverage

- A. This coverage only applies in North Dakota, Ohio, Washington, and Wyoming.
- B. Part One (Workers' Compensation Insurance) does not apply to work in states shown in Paragraph A above.
- C. Part Two (Employers' Liability Insurance) applies in the states, shown in Paragraph A., as though they were shown in Item 3.A. of the Information Page.
- D. Part Two, Section C. **Exclusions** is changed by adding these exclusions.

This insurance does not cover;

5. bodily injury intentionally caused or aggravated by you or in Ohio bodily injury resulting from an act which is determined by an Ohio court of law to have been committed by you with the belief that an injury is substantially certain to occur. However, the cost of defending such claims or suits in Ohio is covered.
13. bodily injury sustained by any member of the flying crew of any aircraft.
14. any claim for bodily injury with respect to which you are deprived of any defense or defenses or are otherwise subject to penalty because of default in premium under the provisions of the workers' compensation law or laws of a state shown in Paragraph A.

EXTENDED OPTIONS

1. Employers' Liability Insurance

Item 3.B. of the Information Page is replaced by the following:

B. Employers' Liability Insurance:

1. **Part Two** of the policy applies to work in each state listed in Item 3.A.

The Limits of Liability under Part Two are the higher of:

Bodily Injury by Accident	\$500,000	Each Accident
--------------------------------------	------------------	----------------------

Bodily Injury by Disease	\$500,000	Policy Limit
-------------------------------------	------------------	---------------------

Bodily Injury by Disease	\$500,000	Each Employee
-------------------------------------	------------------	----------------------

OR

2. The amount shown in the Information Page.

This provision 1 of **EXTENDED OPTIONS** does not apply in New York because the Limits Of Our Liability are unlimited.

In this provision the limits are changed from **\$500,000** to **\$1,000,000** in California.

2. Unintentional Failure to Disclose Hazards

If you unintentionally should fail to disclose all existing hazards at the inception date of your policy, we shall not deny coverage under this policy because of such failure.

3. Waiver of Our Right To Recover From Others

- A. 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 any person or organization for whom 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 agreement.

- B. This provision 3. does not apply in the states of Pennsylvania and Utah.

4. Foreign Voluntary Compensation and Employers' Liability Reimbursement

A. How This Reimbursement Applies

This reimbursement provision applies to bodily injury by accident or bodily injury by disease. Bodily injury includes resulting death.

1. The bodily injury must be sustained by an officer or employee.
2. The bodily injury must occur in the course of employment necessary or incidental to work in a country not listed in Exclusion C.1. of this provision.
3. Bodily injury by accident must occur during the policy period.
4. Bodily injury by disease must be caused or aggravated by the conditions of your employment. The officer or employee's last exposure to those conditions of your employment must occur during the policy period.

B. We Will Reimburse

We will reimburse you for all amounts paid by you whether such amounts are:

1. voluntary payments for the benefits that would be required of you if you and your officers or employees were subject to any workers' compensation law of the state of hire of the individual employee.
2. sums to which Part Two (Employers' Liability Insurance) would apply if the Country of Employment were shown in Item 3.A. of the Information Page.

C. Exclusions

This insurance does not cover:

1. any occurrences in the United States, Canada, and any country or jurisdiction which is the subject of trade or economic sanctions imposed by the laws or regulations of the United States of America in effect as of the inception date of this policy.
2. any obligation imposed by a workers' compensation or occupational disease law, or similar law.
3. bodily injury intentionally caused or aggravated by you.

4. liability for any consequence, whether direct or indirect, of war, invasion, act of Foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power. No endorsement now or subsequently attached to this policy shall be construed as overriding or waiving this limitation unless specific reference is made thereto.

D. Before We Pay

Before we reimburse you for the benefits to the persons entitled to them, you must have them:

1. release you and us, in writing, of all responsibility for the injury or death,
2. transfer to us their right to recover from others who may be responsible for their injury or death,
3. cooperate with us and do everything necessary to enable us to enforce the right to recover from others.

If the persons entitled to the benefits paid fail to do these things, our duty to reimburse ends at once. If they claim damages from us for the injury or death, our duty to reimburse ends at once.

E. Recovery From Others

If we make a recovery from others, we will keep an amount equal to our expenses of recovery and the benefits we reimbursed. We will pay the balance to the persons entitled to it. If persons entitled to the benefits make a recovery from others, they must repay us for the amounts that we have reimbursed you.

F. Reimbursement for Actual Loss Sustained

This endorsement provides only for reimbursement for the loss you actually sustain. In order for you to recover loss or expenses under this reimbursement you must:

1. actually sustain and pay the loss or expense in money after trial, or
2. secure our consent for the payment of the loss or expense.

G. Repatriation

Our reimbursement includes the additional expenses of repatriation to the United States

of America necessarily incurred as a direct result of bodily injury.

Our reimbursement shall be limited as follows:

1. to the amount by which such expenses exceed the normal cost of returning the officer or employee if in good health, or
2. in the event of death, to the amount by which such expenses exceed the normal cost of returning the officer or employee if alive and in good health.

In no event shall our reimbursement exceed the bodily injury by accident limit shown in Item 3.B. of the Information Page as respects any one such officer or employee whether dead or alive.

H. Endemic Disease

The word "disease" includes any endemic diseases.

The coverage applies as if endemic diseases were included in the provisions of the workers' compensation law.

5. Longshore and Harbor Workers' Compensation Act Coverage

General Section C. Workers' Compensation Law is replaced by the following:

C. Workers' Compensation Law

Workers' Compensation Law means the workers or workers' compensation law and occupational disease law of each state or territory named in Item 3.A. of the Information Page and the Longshore and Harbor Workers' Compensation Act (33 USC Sections 901-950). It includes any amendments to those laws that are in effect during the policy period. It does not include any other federal workers or workers' compensation law, other federal occupational disease law or the provisions of any law that provide nonoccupational disability benefits.

Part Two (Employers' Liability Insurance), C. Exclusions, exclusion 8, does not apply to work subject to the Longshore and Harbor Workers' Compensation Act.

This coverage does not apply to work subject to the Defense Base Act, the Outer Continental Shelf Lands Act, or the Nonappropriated Fund Instrumentalities Act.

SECTION III

1. SCHEDULE OF COVERED STATES

A. This endorsement only applies in the states listed in this Schedule of Covered States.

B. If a state, shown in Item 3.A. of the Information Page, approves this endorsement after the effective date of this policy, this endorsement will apply to this policy. The coverage will apply in the new state on the effective date of the state approval.

C. Schedule of Covered States:

IL

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
Any person or organization with whom you have agreed in a written contract agreement, or permit executed prior to a loss, to name as additional insured	
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.

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
ANY PERSON OR ORGANIZATION WITH WHOM YOU HAVE AGREED IN A WRITTEN CONTRACT AGREEMENT OR PERMIT, EXECUTED PRIOR TO A LOSS, TO NAME AS ADDITIONAL INSURED	
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

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.

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Joint Venture
/ Team:

CH2M HILL, Inc. / Knight E/A, Inc.

Lead Partner:

CH2M HILL, Inc.

2nd Partner:

Knight E/A, Inc.

3rd Partner:

Contract Number:

I-16-4266

Proposal Date:

5/11/2017

Exhibit Pointers

Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Joint Venture / Team: CH2M HILL, Inc. / Knight E/A, Inc.

Grand Total Exhibit A Hours	125,300
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EXHIBIT "1"
Page 246 of 542

Contract Number: I-16-4266

Joint Venture / Team: CH2M HILL, Inc. / Knight E/A, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2018												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	5222	5222	5222	5222	5222	5222	5223	5223	5223	5223	5223	5223	62670
TOTALS	5222	5222	5222	5222	5222	5222	5223	5223	5223	5223	5223	5223	62670

Contract Number: I-16-4266

Joint Venture / Team: CH2M HILL, Inc. / Knight E/A, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	5223	5223	5223	5223	5223	5223							31338
TOTALS	5223	5223	5223	5223	5223	5223							31338

Team: CH2M HILL, Inc. / Knight E/A, Inc.

EXHIBIT B: FEE CALCULATIONS

A. DIRECT LABOR (without overtime)

<u>125,300.00</u>	<u>\$ 51.64</u>	TOTAL DIRECT SALARY	<u>\$ 6,470,873.00</u>
(Total Work Hours from Exhibit C-2)	(Average Hourly Rate: Total Direct Salary divided by Total Work Hours)		

Multiplier to be used on this project: 2.80
 Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	18,118,444.40
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B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(Total for Joint Venture/Team listed above.)

TOTAL DIRECT COSTS	\$	981,555.60
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H)	\$	5,075,000.00
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Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont))	\$	825,000.00
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TOTAL SERVICES BY OTHERS	\$	5,900,000.00
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D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES	\$	-
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(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 25,000,000.00
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EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1 American Surveying & Engineering, P.C. Direct Labor \$ 741,231.57 Direct Costs \$ 8,768.43 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 750,000.00	7 Images, Inc. Direct Labor \$ 746,310.60 Direct Costs \$ 3,689.40 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 750,000.00
2 Cheri K Lewis Engineers LLC dba CKL Engineers LLC Direct Labor \$ 74,958.13 Direct Costs \$ 41.87 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 75,000.00	8 Kabbes Engineering, Inc. Direct Labor \$ 124,805.30 Direct Costs \$ 194.70 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 125,000.00
3 DAMA Consultants, Inc. Direct Labor \$ 374,273.48 Direct Costs \$ 726.52 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 375,000.00	9 Martinez Geospatial, Inc. Direct Labor \$ 361,912.32 Direct Costs \$ 13,087.68 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 375,000.00
4 DB Sterlin Consultants, Inc. Direct Labor \$ 469,647.36 Direct Costs \$ 30,352.64 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 500,000.00	10 TERRA Engineering, Ltd. Direct Labor \$ 620,881.83 Direct Costs \$ 4,118.37 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 625,000.00
5 FluidClarity, Ltd. Direct Labor \$ 624,137.64 Direct Costs \$ 862.36 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 625,000.00	11 The Roderick Group, Inc. Direct Labor \$ 619,569.22 Direct Costs \$ 5,430.78 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 625,000.00
6 Geo Services, Inc. Direct Labor \$ 117,421.30 Direct Costs \$ 132,578.70 Services by Others Additional Services ** Total this Subconsultant (ULC) \$ 250,000.00	12 Direct Labor Direct Costs \$ - Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ 5,075,000.00

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ 5,075,000.00

DBE/MBE/WBE Percentage of Total Fee (Includes Additional Services): 20.30%

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services): 20.30%

Project No. I-16-4266Joint Venture / Team: CH2M HILL, Inc. / Knight E/A, Inc.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)**1 Collins Engineers, Inc.**

Direct Labor	\$	249,313.34
Direct Costs	\$	886.68
Services by Others		
Additional Services **		
Total this Subconsultant (ULC)	\$	250,000.00

2 Huff & Huff, Inc. a subsidiary of GZA

Direct Labor	\$	487,468.80
Direct Costs	\$	12,531.20
Services by Others		
Additional Services **		
Total this Subconsultant (ULC)	\$	500,000.00

3 JKI Archeology LLC, dba Midwest Archaeological Research Servi

Direct Labor	\$	74,535.55
Direct Costs	\$	464.45
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	75,000.00

4

Direct Labor		
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

5

Direct Labor		
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

6

Direct Labor		
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

7

Direct Labor	\$	-
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

8

Direct Labor	\$	-
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

9

Direct Labor	\$	-
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

10

Direct Labor	\$	-
Direct Costs	\$	-
Services by Others	\$	-
Additional Services **	\$	-
Total this Subconsultant (ULC)	\$	-

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ 825,000.00TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ 825,000.00

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: CH2M HILL, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: I-16-4266

Consultant: CH2M HILL, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

Grand Total Exhibit A Hours													70,500
MONTHS of YEAR 2017													TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services							2937	2937	2937	2937	2937	2937	17622
TOTALS							2937	2937	2937	2937	2937	2937	17622

Contract Number: I-16-4266

Consultant: CH2M HILL, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	2938	2938	2938	2938	2938	2938							17628
TOTALS	2938	2938	2938	2938	2938	2938							17628

Contract No.: I-16-4266Lead Partner: CH2M HILL, Inc.**EXHIBIT B: FEE CALCULATIONS****A. DIRECT LABOR (without overtime)**

$$\frac{70,500.00}{\text{(Total Work Hours from Exhibit C-2)}} \times \$ \frac{55.05}{\text{(Average Hourly Rate from Exhibit C-2)}} = \text{TOTAL DIRECT SALARY } \$ \underline{3,881,025.00}$$

Multiplier to be used on this project:

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER \$ 10,866,870.00**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**

(For Consultant listed above.)

TOTAL DIRECT COSTS \$843,130.00**C. SERVICES BY OTHERS**Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) See JV summaryTotal Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) See JV summary**TOTAL SERVICES BY OTHERS** See JV summary**D. ADDITIONAL SERVICES (Prime Consultant)**See JV summary

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)See JV summary

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES See JV summary

(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)\$ 11,710,000.00

Contract No.: I-16-4266

Lead Partner: CH2M HILL, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 4/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 3/31/2018 Date Date 9.0 24.0 37.50% Factor First Period	4/1/2018 - 3/31/2019 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	4/1/2019 - 6/30/2019 Date Date 3.0 24.0 12.50% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
--	---	---	---	--

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Lead Partner: CH2M HILL, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATESTotal
Estimated
Work Hours: 70,500.00Average
Hourly Rate: \$55.05Total Direct
Labor \$3,881,025.00**DIRECT COST
OVERTIME PREMIUM**Total
Estimated O/T
Hours:Average
Premium O/T
Hourly Rate:Total Overtime
Premium:

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	8,200.00		
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	3,000.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$67.55	\$67.55	23,600.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$45.58	\$45.58	17,000.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$31.08	\$31.08	2,000.00		
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00	\$51.18	\$51.18	2,200.00		
No	Technical Specialist	\$15.00	\$50.00	\$34.21	\$34.21	4,000.00		
No	Architect	\$30.00	\$70.00	\$59.62	\$59.62	3,500.00		
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00	\$29.69	\$29.69	7,000.00		

Contract No.: I-16-4266

Consultant: CH2M HILL, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Senior Manager	Lidia Pilecky	\$50 - \$70
	Senior Manager	Jeffrey Frantz	
Project Manager	Senior Manager	Brad Heimlich	\$40 - \$70
	Senior Manager	Aaron Chanowitz	
Senior Engineer/Planner	Senior Engineer	Athreya Sreenivasan	\$40 - \$70
	Senior Engineer	Keith Mockenhaupt	
	Senior Engineer	Matthew Gavin	
	Senior Engineer	Brian Connor	
	Senior Engineer	Richard Coakley	
	Senior Engineer	Kimberly Silverman	
	Senior Engineer	Martin Turner	
	Senior Engineer	Charles Weaver	
	Engineer	Marie Glynn	
	Engineer	Jason Moller	
	Engineer	Dante Perez-Bravo	
	Senior Planner	Charlie Webb	
	Planner	Jill Kramer	
Resident Engineer			\$40 - \$70
Project Engineer/Planner	Junior Planner	Carla Mykytiuk	\$25 - \$60
	Junior Planner	Aimee King	
	Junior Planner	Deborah Flaws	
	Junior Planner	Sarah Archer	
	Junior Engineer	Benjamin Ostermann	
	Junior Engineer	Katherine Leska	
	Junior Engineer	Brian Manning	
	Engineer	Saurav Chakrabarti	
	Engineer	Chad Blackney	
	Engineer	Srikanth Panguluri	
Staff Engineer/Planner	Junior Engineer	Gary Tang	\$20 - \$40
	Junior Engineer	Tariq Shihadah	
Engineer /Accountant			\$20 - \$60
Senior Technical Specialist	Technician	Garry Spivey	\$25 - \$60
	Technician	Tony Santiago	
Technical Specialist	Technician	Kari Buckvold	\$15 - \$50
	Technician	Conrad Kujawa	
	Technician	Rebecca Holzwarth	
Architect	Planner	Aleks Tadic	\$30 - \$70
	Planner	Jeff Eichenauer	

Contract No.: I-16-4266

Consultant: CH2M HILL, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

Contract No.: I-16-4266 Lead Partner: CH2M HILL, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

Ride Share Services, Train/Taxi Fare, Transit

Printing, Security, A-V Production

CDs/DVDs (includes repro)

Temporary Help/Contract Labor

Permitting and Permit Application Fees (various agencies)

Aerial Videography, Historic Data

Mobile App Development/Support

Translation Services

Media and Public Outreach Event Supplies

Meeting Transcription Fees

Legal Notice Publication Fees

Website Development and Hosting

Communications Specialist (vendor)

Nossaman LLP

SB Friedman & Company

(Actual cost for all)

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)

\$ 843,130.00

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: CH2M HILL, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: Lidia Pilecky, P.E.

Project Engineer: Brian Connor, P.E.

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: Jeffrey Frantz

Classification: Environmental Lead

Name: Carla Mykytiuk

Classification: Public Involvement Lead

Name: Athreya Sreenivasan

Classification: Planning Lead

Name: Richard Coakley, P.E., Keith Mockenhaupt, P.E./S.E., Charlie Webb

Classification: QA/QC - Roadway, Structures, Environmental

Lidia Pilecky, PE

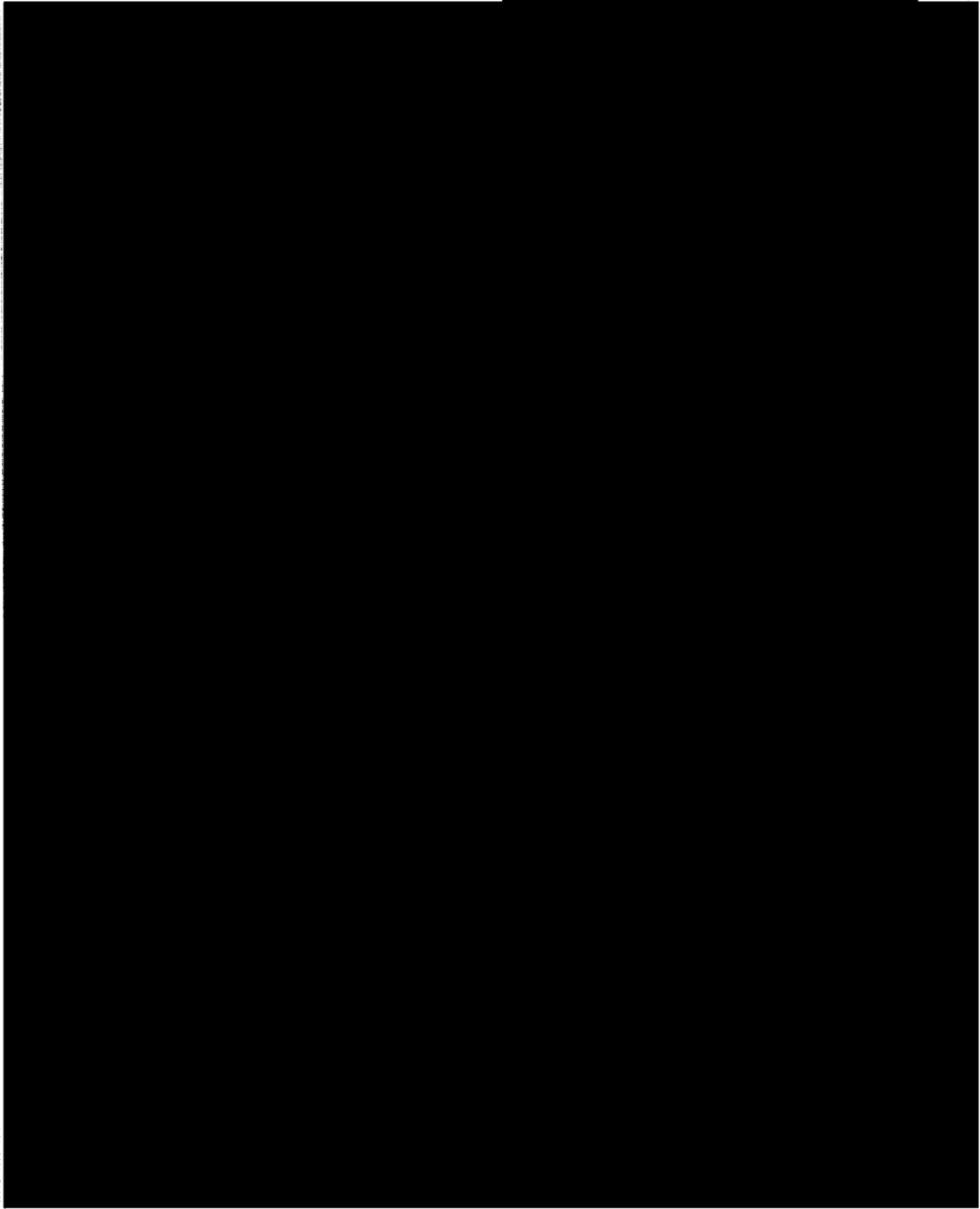
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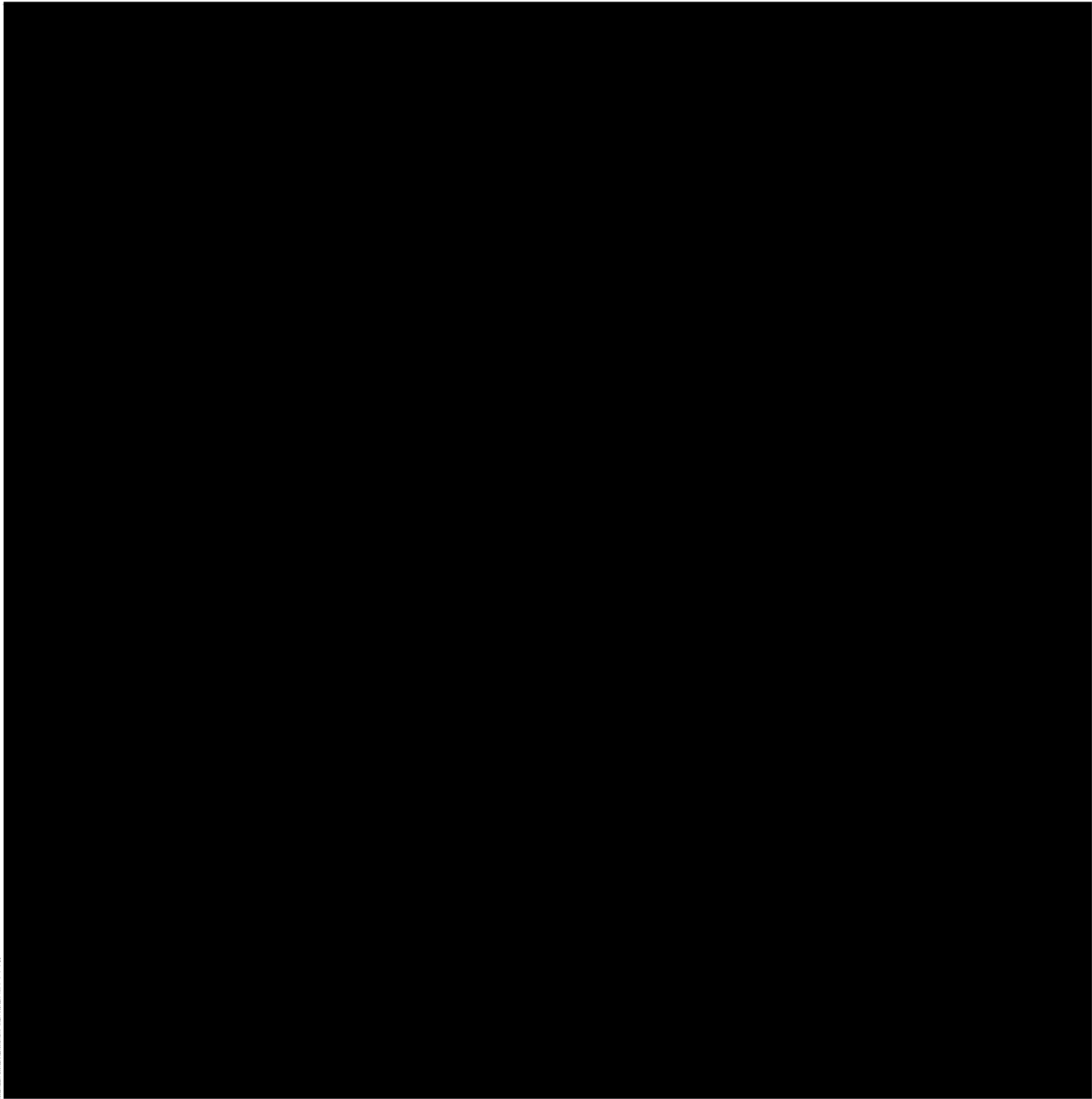
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TR01061051CH

Brian Connor, PE



TR0108131051CH



HP/05/16/05/CH

Jeffrey Frantz

[REDACTED]

[REDACTED]

[REDACTED]

TR01061051CH

TR0106181D51CHI

Carla Mykytiuk

[REDACTED]

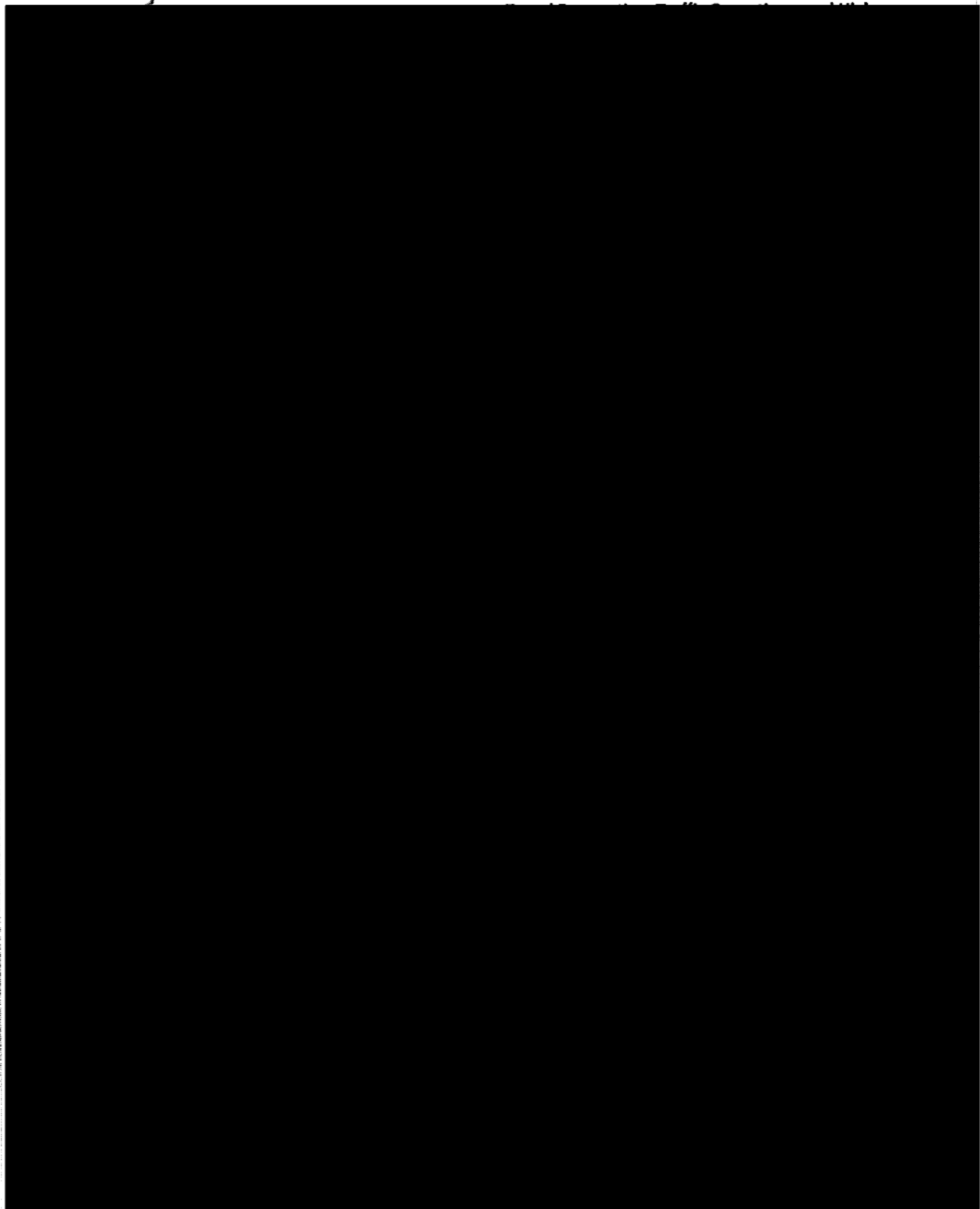
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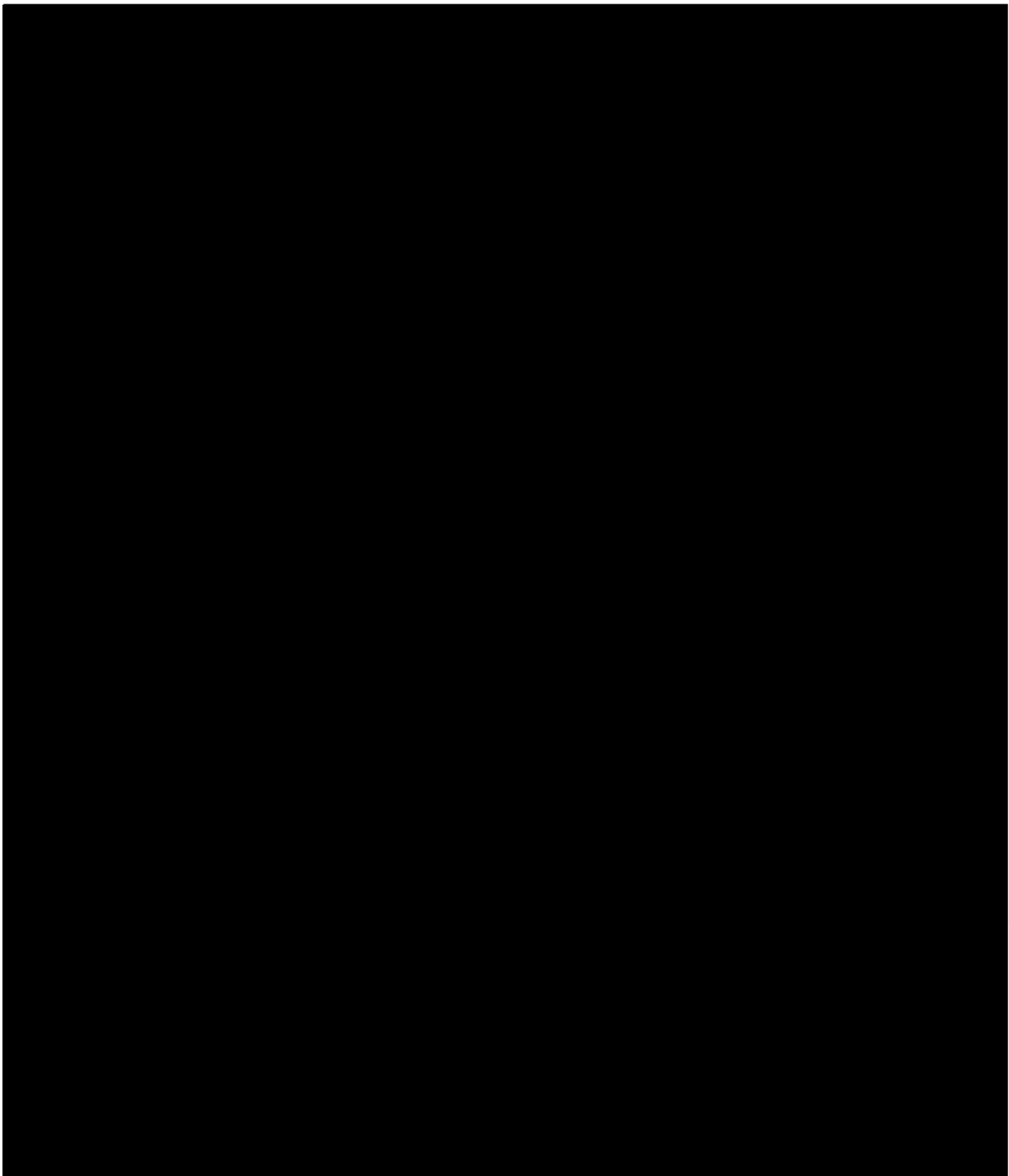
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Athreya Sreenivasan

[REDACTED]



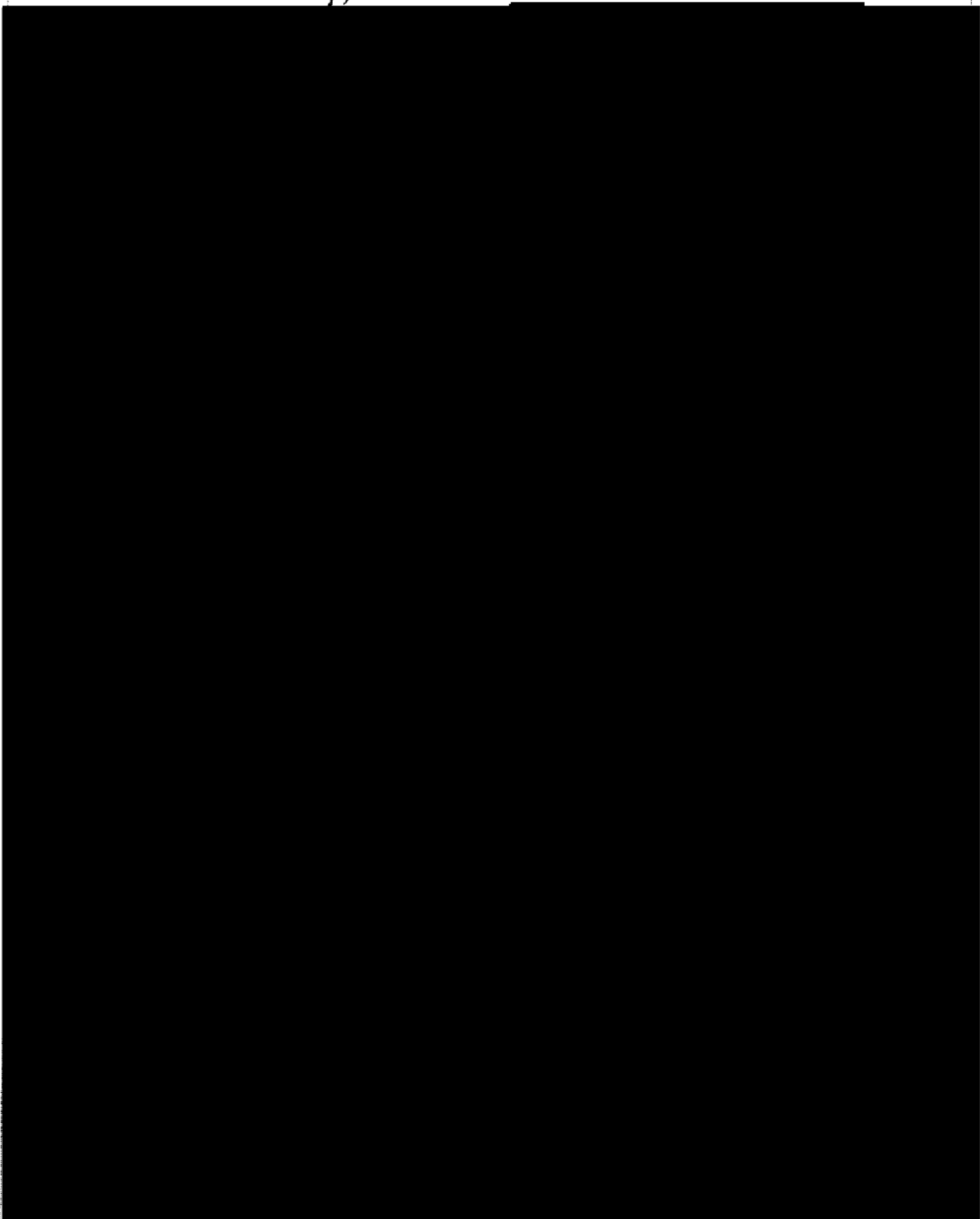
TR0120161051CH1



TR0109161081CH1

Richard Coakley, PE

[REDACTED]



TR010516105:CHI

TR0106161051CHI

Keith Mockenhaupt, PE, [REDACTED]

TR0/05161051CH

Charlie Webb, AICP

[REDACTED]

TR0106161051CH

EXHIBIT F

CONTRACT I-16-4266

CH2M HILL, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G**Contract No. I-16-4266****CH2M HILL, Inc.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
PSB 12-5	Elgin O'Hare Western Access, Tollway	\$306,663.00	\$10,000.00	9/30/2017
PSB 11-3	Elgin O'Hare Western Bypass Tollway, Design Corridor Manager	\$103,839,394.48	\$14,000,000.00	6/30/2019
PSB 15-2	EOWA West Bypass from Franklin Avenue to I-294	\$5,390,000.00	\$4,250,000.00	9/30/2019
PSB 14-01	Elgin O'Hare Western Access Tollway Construction Support Phase	\$70,000.00	\$25,000.00	8/31/2017
PTB 156-42	US 50 Phase I Study	\$827,321.00	\$50,000.00	9/30/2017
PTB 160-19	District 8 Var/Var	\$636,873.00	\$76,000.00	12/31/2017
PTB 170-21	Various IL Safety Program Analysis & Technical Support	\$12,000,000.00	\$5,200,000.00	7/2/2020
PTB 180-23	IL 3 Connector Phase I Study	\$1,543,001.00	\$650,000.00	12/31/2018
PTB 175-02	District 1 Var/Var PM	\$1,800,000.00	\$200,000.00	8/1/2023
Various	Kane County Impact Fee	\$107,006.00	\$5,000.00	9/30/2017
Various	Kane County 2040 Plan	\$240,033.00	\$30,000.00	9/30/2017

Contract No.: I-16-4286Consultant: CH2M HILL, Inc.**EXHIBIT H - SERVICES BY OTHERS**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor		8	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor		9	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor		10	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	 \$ -
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	 \$ -
3	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -
4	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -
5	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -
6	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	 \$ - \$ - \$ - \$ -
7	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -
8	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -
9	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -
10	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC)	\$ - \$ - \$ - \$ - \$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Knight E/A, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: I-16-4266

Consultant: Knight E/A, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

Grand Total Exhibit A Hours												54,800	
MONTHS of YEAR 2017													TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services							2245	2285	2285	2285	2285	2285	13670
							</						

Consultant: Knight E/A, Inc.

[illegible]

Contract Number: I-16-4266

Consultant: Knight E/A, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	2285	2285	2285	2285	2285	2285							13710
TOTALS	2285	2285	2285	2285	2285	2285							13710

Contract No.: I-16-42662nd Partner: Knight E/A, Inc.**EXHIBIT B: FEE CALCULATIONS****A. DIRECT LABOR (without overtime)**

$$\begin{array}{rcccl} \underline{54,800.00} & \times & \$ \underline{47.26} & = & \text{TOTAL DIRECT SALARY } \$ \underline{2,589,848.00} \\ \text{(Total Work Hours} & & \text{(Average Hourly} & & \\ \text{from Exhibit C-2)} & & \text{Rate from Exhibit} & & \\ & & \text{C-2)} & & \end{array}$$

Multiplier to be used on this project: 2.80
Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER \$ 7,251,574.40

B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Consultant listed above.)

TOTAL DIRECT COSTS \$138,425.60

C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) See JV summary

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) See JV summary

TOTAL SERVICES BY OTHERS See JV summary

D. ADDITIONAL SERVICES (Prime Consultant)

See JV summary
(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

See JV summary
(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES See JV summary
(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation) \$ 7,390,000.00

Contract No.: I-16-4266

2nd Partner: Knight E/A, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS

SCHEDULED START DATE: 7/1/2017

RAISE DATE: 7/1/2018

PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 6/30/2018 Date Date 12.0 24.0 50.00% Factor First Period	7/1/2018 - 6/30/2019 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	Date Date 24.0 Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
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ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

2nd Partner: Knight E/A, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES

Total
Estimated
Work Hours: 54,800.00 ✓

Average
Hourly Rate: \$47.26 ✓

Total Direct
Labor \$2,589,848.00 ✓

**DIRECT COST
OVERTIME PREMIUM**

Total
Estimated O/T
Hours: _____

Average
Premium O/T
Hourly Rate: _____

Total Overtime
Premium: _____

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	2,500.00		
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	5,500.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$64.04	\$64.04	7,700.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$49.12	\$49.12	13,000.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$35.45	\$35.45	13,000.00		
No	Engineer /Accountant	\$20.00	\$60.00	\$28.22	\$28.22	7,400.00		
No	Senior Technical Specialist	\$25.00	\$60.00	\$47.53	\$47.53	2,000.00		
No	Technical Specialist	\$15.00	\$50.00	\$34.78	\$34.78	2,500.00		
No	Architect	\$30.00	\$70.00	\$37.39	\$37.39	300.00		
No	Realty Specialists	\$20.00	\$70.00	\$42.04	\$42.04	800.00		
No	Intern	\$8.25	\$20.00	\$14.00	\$14.00	50.00		
No	Admin/Clerical	\$8.25	\$40.00	\$22.20	\$22.20	50.00		

Contract No.: I-16-4266

Consultant:

Knight E/A, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	President	Kevin Lentz	\$50 - \$70
	Sr. Vice President	Daniel Kavanaugh	
	Vice President	Charles Sommer	
	Vice President	Clayton Shipley	
	Principal	Bryan Martindale	
	Principal	William Murphy	
	Principal	David Zarowny	
Project Manager	Sr. Vice President	Christine Reed	\$40 - \$70
	Senior Engineer II	Scott Brejcha	
Senior Engineer/Planner	Senior Engineer II	John Murillo	\$40 - \$70
	Senior Engineer II	Jeffrey Antonacci	
	Senior Engineer II	Martin Mueller	
	Senior Engineer II	Michael Dever	
	Senior Engineer II	Thomas Thornton	
	Senior Engineer II	Patrick O'Brien	
	Senior Engineer II	Frank Williams	
	Senior Engineer I	Marko Popovic	
	Senior Engineer I	Daniel Szwaya	
	Senior Engineer I	Robert Mack	
	Senior Engineer I	Dennis Popish	
	Senior Environmental Specialist	Linda Paris	
Resident Engineer			\$40 - \$70
Project Engineer/Planner	Project Engineer II	Chad Ogren	\$25 - \$60
	Project Engineer II	Robert McHugh	
	Project Engineer II	Matthew Maestranzi	
	Project Engineer I	Stanley Przewoznik	
	Project Engineer I	Jia Wang	
	Project Engineer I	Trisha Butcher	
	Project Engineer I	Samuel Freeze	
	Project Engineer I	Rodney Bettenhausen	
	Engineer IV	Lionel Lugo	
	Engineer IV	Matthew Scheffler	
	Engineer IV	Rodney Johnson	
	Engineer IV	Guarav Rai	
	Engineer IV	James Mitchell	
	Engineer III	Aleksandar Karisik	
	Engineer III	Dustin Sliwa	

Contract No.: I-16-4266 2nd Partner: Knight E/A, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

Uber/ Taxi/ Transit/ Train Fares

Printing/ Reproduction

A-V Production

CDs & DVDs (including reproduction)

Temporary Help/ Contract Labor

Permitting and Permit Application Fees

Website Development and Hosting

Legal Notice Publication Fees

Public Meeting/ Event Supplies

Communications Specialist (vendor)

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 138,425.60

Contract No.: I-16-4266

Consultant: Knight E/A, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: Christine Reed

Project Manager: Scott Brejcha

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: William Murphy

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

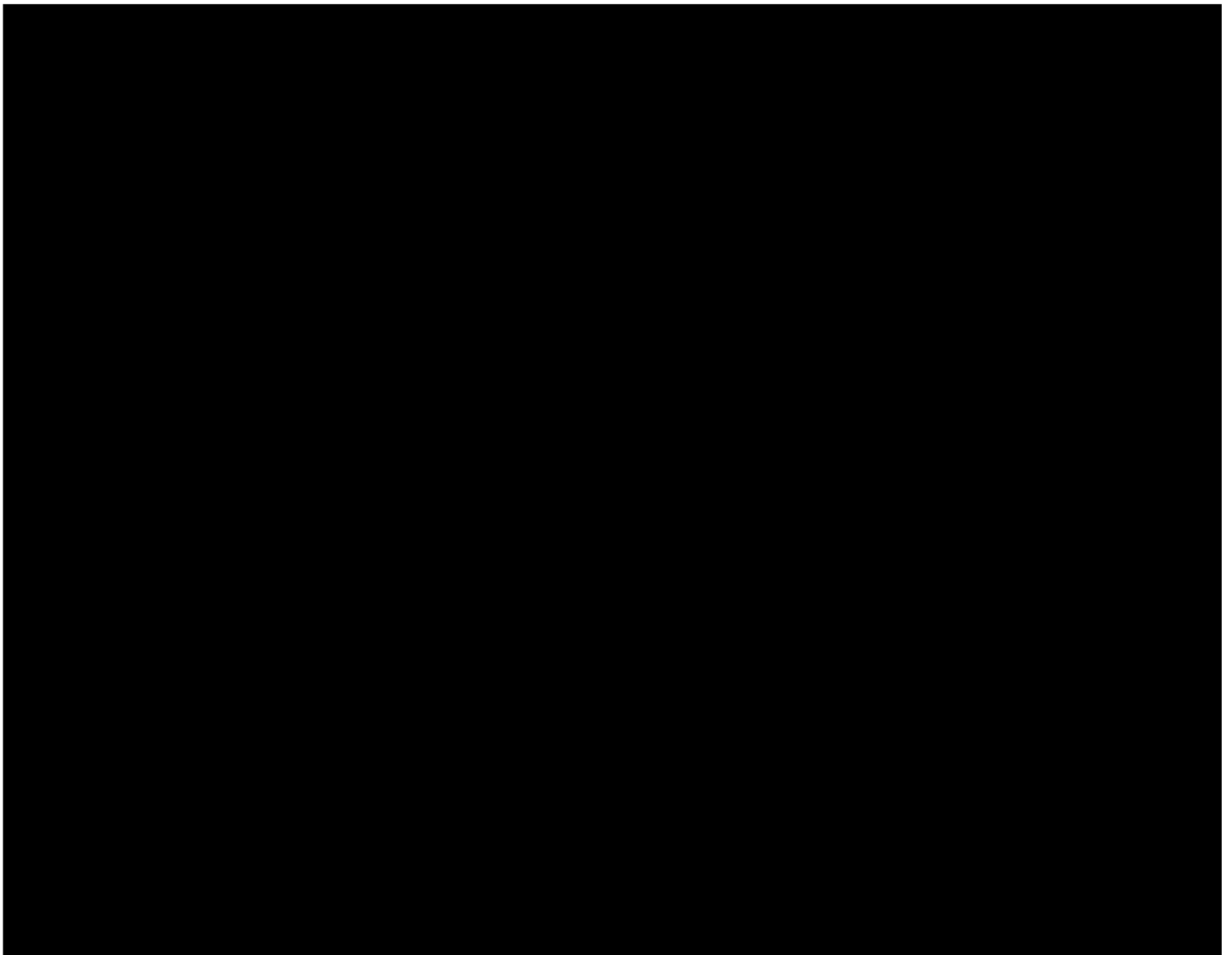
Classification: _____

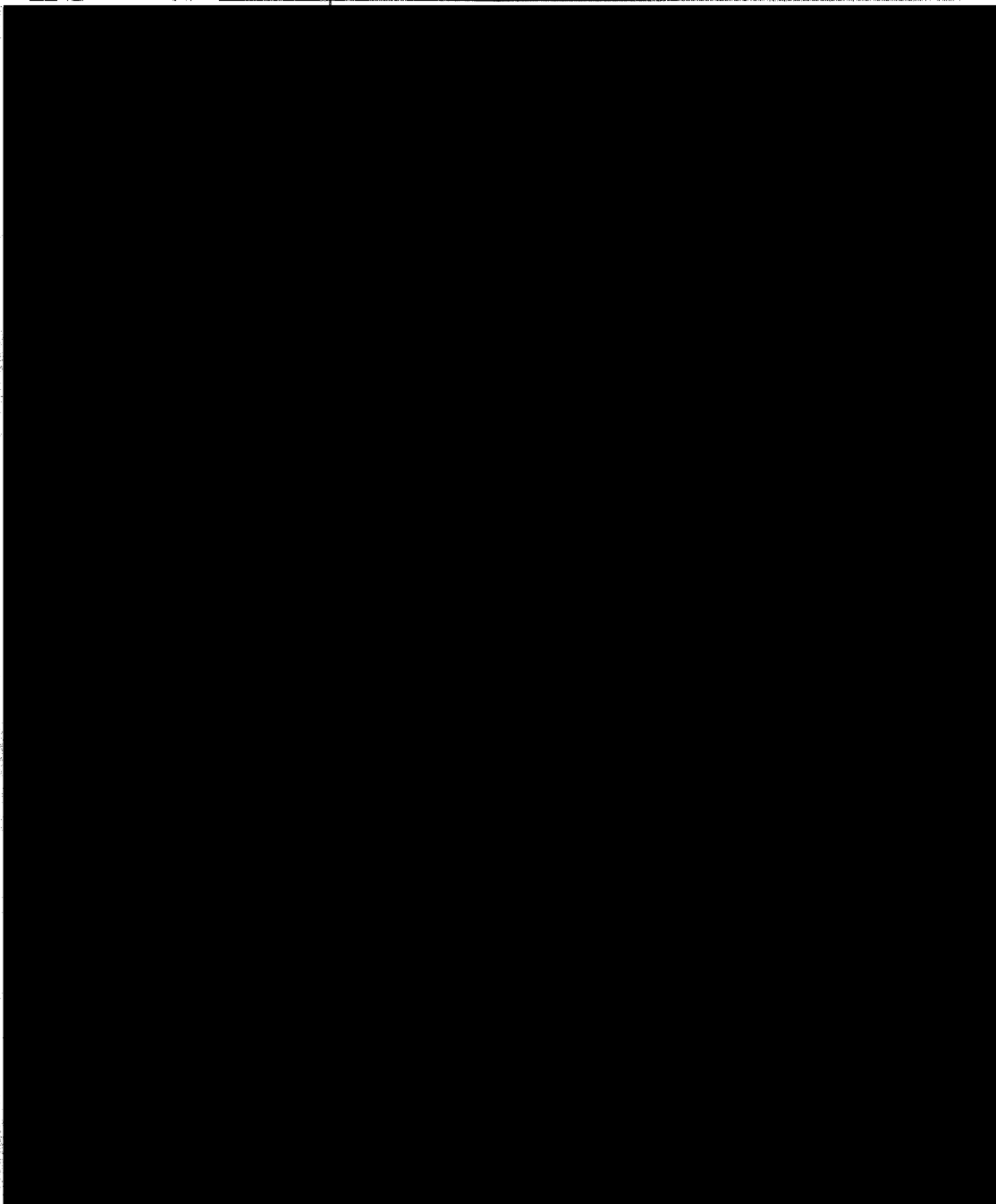
Name: _____

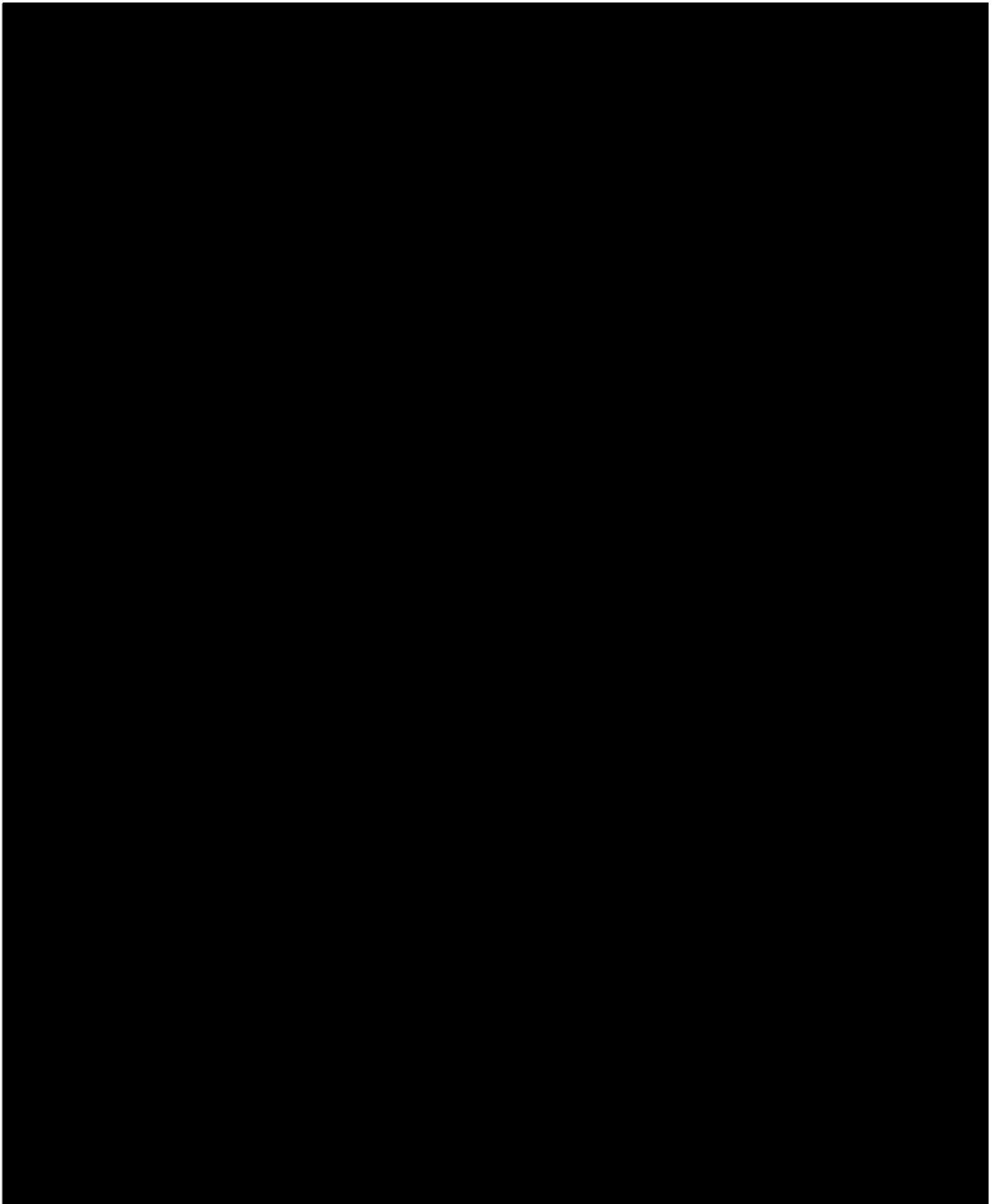
Classification: _____

Name: _____

Classification: _____







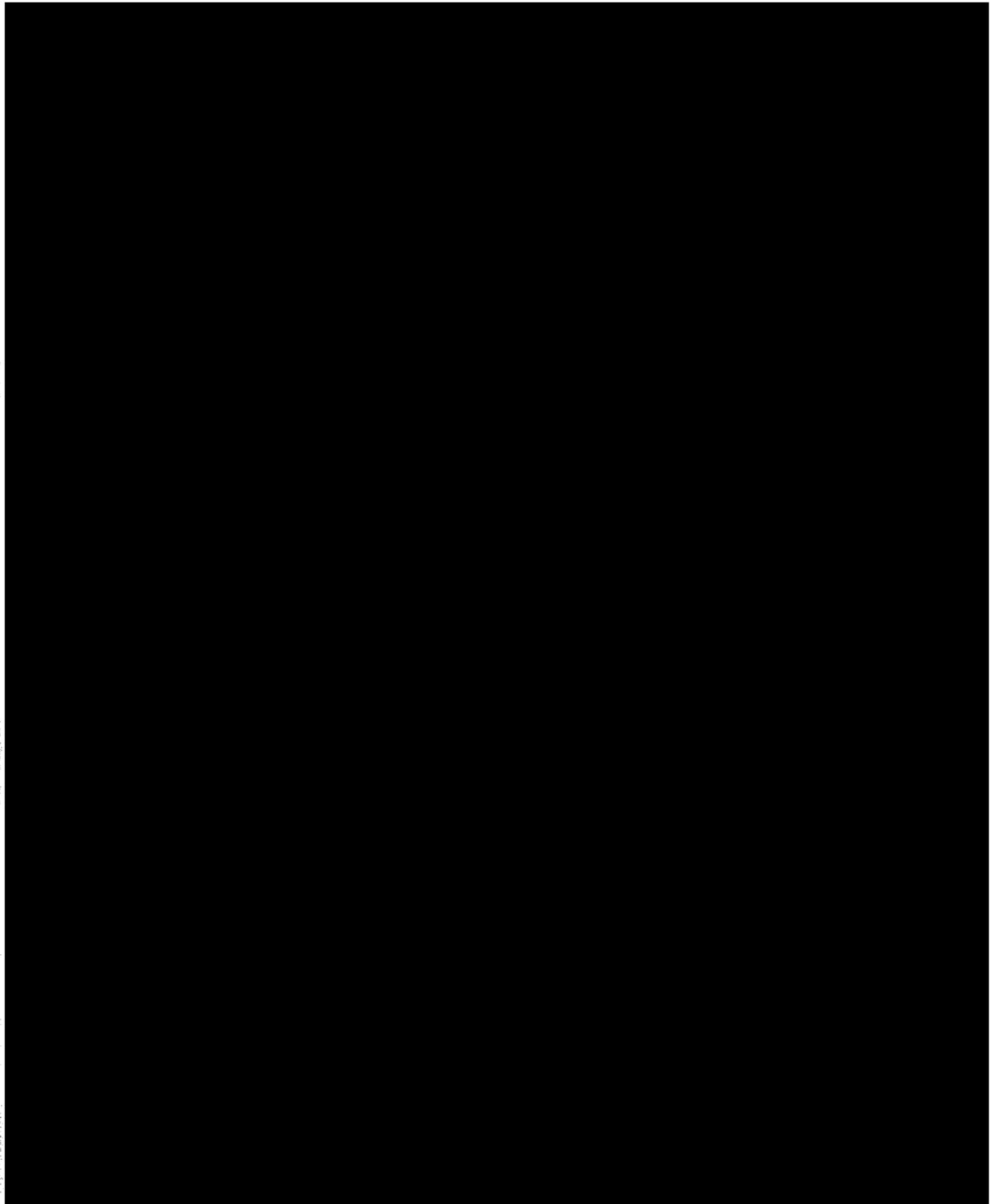


EXHIBIT F

Contract No. I-16-4266

Knight E/A, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, as well as IDOT's BDE Manual for the preparation of an EIS, respectively, as amended by the Tollway. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development, evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of environmental documentation subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Preparation of documentation for an Environmental Impact Statement including the development of a Purpose and Need, Alternatives Analysis, etc.
6. Project management and administration.

EXHIBIT G**Contract No. I-16-4266****Knight E/A, Inc.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
I-14-4191	Construction Management I-90 - Jane Addams Memorial Tollway, MP 56.8 to MP 60.8	\$10,106,664.00	\$726,256.00	8/31/2017
I-13-4623	IL-19 Interchange on the Elgin-O'Hare Western Access (EOWA) Phase II	\$5,526,800.00	\$861,836.00	5/31/2018
Sub to CH2M				
I-11-4014	Elgin-O'Hare Western Bypass Tollway, Design Corridor Manager	\$10,065,213.00	\$3,426,388.00	6/30/2018
PTB 170/Item 24 Job # AML-GKnp-1349	Mazonia Braidwood; Reclamation Design, Engineering, and	\$605,098.00		On Hold
PTB 143-003	IL 60/83 from IL 176 to EJ&E Railroad	\$2,006,692.00	\$166,000.00	9/30/2017
PTB 147-042	I-64 Phase I/II Structures over Wabash River	\$1,839,778.00	\$82,000.00	3/31/2108
PTB 157-004	Phase II, IL 7 (159th Street) from I-355 to Will-Cook Road	\$3,299,417.00	\$382,697.69	6/30/2019
PTB 160-027	HSR Chicago to St. Louis	\$6,000,000 max work order as assigned	\$272,000.00	8/21/2021
PTB 165/Item 1 Job No. C-91-667-10	IL 19 (Irving Park Road) at York Road, Phase III	\$7,516,852.00	\$1,299,159.00	9/30/2019

I-16-4266

Knight E/A, Inc.

PTB	I-55 at Weber Road	\$3,724,000.00	\$89,290.08	9/30/2019
169/Item 17				
Job #D-91-				
009-14				

PTB	Various Phase I/II Projects, Various	Per Task Order	\$177,500.00	8/21/2024
172/Item 17	Routes, Various Counties,			
Job No. P-				
92-020-14				

PTB 175-	IL 171 (Archer Ave.) 47th St.-55th St.	\$4,188,581.00	\$140,000.00	6/30/2017
013	Bridge Complex at I-55			

EXHIBIT G**Contract No. I-16-4266****Knight E/A, Inc.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
PTB 175- 012	I-90 at Old Orchard Road	\$947,656.00	\$707,151.97	10/31/2018
PTB 178- 001	FAP 346 (US 41) at Deerpath Road Storm Water Pump Station, Phase II Project.	\$1,989,291.00	\$1,989,291.00	10/31/2018
Bulletin 181 Project # 102-313- 047	Department of Natural Resources Replace Sewage Treatment Plants and Shower Building Kankakee River Conservation Area and State Park – Kankakee County	\$174,000.00	\$35,000.00	On Hold
04-212-015 Project # 14042010	Historic Preservation Agency	\$75,000.00	\$42,000.00	On Hold
17000610 Project: 630- 216-006	Ashkum Salt Storage Building	\$129,900.00	\$65,600.00	Oh Hold
QBS# PSS999C11 036	Utilities Master Plan	\$2,497,936.00	\$45,500.00	12/31/2017
17020910 Project: 630- 000-212	Various Improvements Statewide Program	\$77,777.00	\$28,714.18	Oh Hold
PTB 182- 007 P-91-132-17	I-55 Study (I-80 to US Rt. 52)	Negotiating		

I-16-4266

Knight E/A, Inc

Sub GSG I-90 (IL 171 to Harlem) PTB 179- 008 Job#C-91- 231-16	\$463,149.00	\$252,000.00	
Sub to WSP PSB 17-1 RR-15-9975RR GEC	Pending Contract		12/31/2021
Sub to HNTB PTB 179-19 CREATE	Per Task Order	\$120,000.00	11/1/2025
Sub to EFK PTB 170-012 Various/Various Bridges	Per Task Order	\$0.00	11/1/2025

Contract No.: I-16-4266

Consultant: Knight E/A, Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: Knight E/A, Inc.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: American Surveying & Engineering, P.C.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: American Surveying & Engineering, P.C.

Grand Total Exhibit A Hours	6,452
	TOTAL HOURS

[illegible]

Consultant: American Surveying & Engineering, P.C.

EXHIBIT A: ESTIMATED TASK WORK HOURS

MONTHS of YEAR 2018													TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	265	270	265	270	265	270	265	265	270	270	270	276	3221
TOTALS	265	270	265	270	265	270	265	265	270	270	270	276	3221

Version 15

Consultant: American Surveying & Engineering, P.C.

[illegible]

Version 15

Contract No.: I-16-4266

Consultant: American Surveying & Engineering, P.C.

EXHIBIT B: FEE CALCULATIONS

A. DIRECT LABOR (without overtime)

6,452.00	X	\$ 41.03	=	TOTAL DIRECT SALARY \$	264,725.56
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

Multiplier to be used on this project:

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	741,231.57
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B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$8,768.43
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -

TOTAL SERVICES BY OTHERS \$

D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -
(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 750,000.00
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Contract No.: I-18-4266

Consultant: American Surveying & Engineering, P.C.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0 25.00% Factor First Period	1/1/2018 - 12/31/2018 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	1/1/2019 - 6/30/2019 Date Date 6.0 24.0 25.00% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
---	--	---	---	--

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: American Surveying & Engineering, P.C.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES

Total
Estimated
Work Hours: 6,452.00

Average
Hourly Rate: \$41.03

Total Direct
Labor \$264,725.56

**DIRECT COST
OVERTIME PREMIUM**

Total
Estimated O/T
Hours: 278.00

Average
Premium O/T
Hourly Rate: \$14.95

Total Overtime
Premium: \$4,156.10

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	96.00		
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	1,008.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$56.86	\$56.86	600.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$40.04	\$40.04	1,008.00		
No	Staff Engineer/Planner	\$20.00	\$40.00					
No	Engineer /Accountant	\$20.00	\$60.00					
Yes	Senior Technical Specialist	\$25.00	\$60.00	\$35.53	\$35.53	2,070.00	17.77	130.00
Yes	Technical Specialist	\$15.00	\$50.00	\$25.83	\$25.83	1,070.00	12.92	127.00
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
Yes	Intern	\$8.25	\$20.00	\$17.75	\$17.75	300.00	8.88	10.00
Yes	Admin/Clerical	\$8.25	\$40.00	\$21.50	\$21.50	300.00	10.75	11.00

Contract No.: I-16-4266

Consultant: American Surveying & Engineering, P.C.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	PRINCIPAL IN CHARGE	COVENTINE FIDIS	\$50 - \$70
Project Manager	PROJECT MANAGER	COVENTINE FIDIS	\$40 - \$70
	PROJECT MANAGER	MARK M. WOOD	
	PROJECT MANAGER	STEVEN M. RIENKS	
	PROJECT MANAGER	JAY P. HOWELL	
	PROJECT MANAGER	JOHN A. DYBAS, III	
	PROJECT MANAGER	LARRY D. MARTIN	
Senior Engineer/Planner	PROJECT SURVEYOR/ENG IV	PAUL F. STANTON	\$40 - \$70
	PROJECT SURVEYOR/ENG IV	CRAIG L. DUY	
	PROJECT SURVEYOR/ENG III	THOMAS A. SANDERSON	
	PROJECT SURVEYOR/ENG III	WILLIAM R. MCWETHY	
Resident Engineer			\$40 - \$70
Project Engineer/Planner	PROJECT SURVEYOR/ENG III	ERIC J. SLADEK	\$25 - \$60
	PROJECT SURVEYOR/ENG I	ROBERT MICHAEL BACHARA	
	PROJECT SURVEYOR/ENG II	CASSANDRA S. RODGERS	
	PROJECT SURVEYOR/ENG II	ROBERT S. SAXER	
Staff Engineer/Planner			\$20 - \$40
Engineer /Accountant			\$20 - \$60
Senior Technical Specialist	CADD TECHNICAN	CRAIG A. HILLS	\$25 - \$80
	CADD TECHNICAN	WILLIAM BARAN	
	CADD TECHNICAN	BRANNON D. ELSBREE	
	CADD TECHNICAN	JESSE J. NOCON	
	CADD TECHNICAN	AMANDA J. JOHNSON	
	CADD TECHNICAN	JOSEPH B. MAGNOTTA	
	ENGINEER/SURVEY TECH III	THOMAS H. HOYLE	
	ENGINEER/SURVEY TECH III	DARYL F. EDWARDS	
	ENGINEER/SURVEY TECH III	GUSTAVO ALEX AGUILAR	
	ENGINEER/SURVEY TECH III	KRISTOPHER M. MCALLISTER	
	ENGINEER/SURVEY TECH III	JEFFREY F. MUMMERT	
Technical Specialist	ENGINEER/SURVEY TECH II	GARY R. BRANDT	\$15 - \$50
	ENGINEER/SURVEY TECH II	LUCAS S. McDONALD	
	ENGINEER/SURVEY TECH II	BRADLY J. DUFFY	
	ENGINEER/SURVEY TECH II	LAWRENCE T. DEMANCHE	
	ENGINEER/SURVEY TECH II	ROBERTO ASCENCIO	
	ENGINEER/SURVEY TECH I	DAVID W. CISKOWSKI	
	ENGINEER/SURVEY TECH I	ANDREW T. BROWN	
	ENGINEER/SURVEY TECH I	JARED W. MILLS	

Contract No.: I-16-4266

Consultant: American Surveying & Engineering, P.C.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

Contract No.: I-16-4266 Consultant: American Surveying & Engineering, P.C.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

ENVIRONMENTAL FEES

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)

\$ 4,612.33

ALLOWABLE DIRECT COSTS

Construction Inspection

Construction Inspection Communications:

Cell Phones	Unallowable
Radio Communication	Actual Cost
2-way Radio	Actual Cost

Vehicles (Only for Vehicles assigned to project)

Rental (Daily Rate Only) - Including Tolls	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day

The number of days will be calculated as follows:

For extended stay** - Number of days on job site plus one

Day to travel to and from job site

Weekly (hotel) - Number of days on job site plus one day to

Travel to and from job site per week.

Shift Differential

Actual Cost based on firm policy

**Extended Stay Status applies to individuals on the project over 20 Consecutive working days. The decision whether individuals will stay over the weekend will be made after the Contractor's schedule is available and shall be made jointly by the Consultant Liaison and the IDOT Resident.

NOTES:

- Parking is now an allowable cost
- Cell phones are now an unallowable direct cost
- For CSE contracts, beam and cylinder breaks are not reimbursable. Overtime to employees traveling to and from the site will be allowed depending on the firm's policy and limited to the Tollway's CSE Manual allowance.

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

Contract No.: I-16-4266

Consultant: American Surveying & Engineering, P.C.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

American Surveying & Engineering, P.C.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G**Contract No. I-16-4266****American Surveying & Engineering, P.C.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
P-93-011-10	Land Surveys and Preparation and Review	\$300,000.00	\$134,000.00	5/1/2019
I-12-4056	Surveying and Land Acquisition Services Upon Request - Systemwide	\$3,000,000.00	\$300,000.00	11/30/2019
P-92-099-11	Various Survey Projects, Various Routes, Various Counties, Region Two/District Two	\$350,000.00	\$129,000.00	10/31/2021
RR-14-4223	Tri-State Tollway, Roadway Study, 95th Street (M.P. 17.5) to Cermak Road (M.P. 29.5)	\$503,981.18	\$484,000.00	2/1/2017
I-11-4014	Elgin O'Hare Western Bypass Tollway, Design Corridor Management	\$5,029,117.40	\$1,200,000.00	5/31/2017
I-11-4026	I-294, Interchange, I-57. Project Management and Construction Management Services	\$1,600.00		
I-13-4119	I-88 Photo control: I-39 to Sterling, IL	Work order contract	TBD	TBD
I-13-4623	Elgin O'Hare Western Access, I-290 to IL 83 Advance Work Contracts	\$144,876.45	\$141,522.58	3/27/2022
RR-14-4181	Fiber Optic Maintenance	\$1,172,560.00	\$609,000.00	4/15/2019
I-15-4659	Wight - Phase II and Phase III	Work order contract	\$65,000.00	TBD
I-15-4657	AMEC TY LIN JV DSE EOWA	TBD		
P-91-001-16	IDOT Survey Various/Various	\$500,000.00	\$500,000.00	
P-94-008-14	IDOT Survey Various/Various	\$300,000.00	\$287,000.00	

Contract No.: I-16-4266

Consultant: American Surveying & Engineering, P.C.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: American Surveying & Engineering, P.C.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	6	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	7	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Cheri K Lewis Engineers LLC dba CKL
Engineers LLC

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC

Grand Total Exhibit A Hours	802
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TOTAL HOURS

Version 15

Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC

EXHIBIT A: ESTIMATED TASK WORK HOURS

[illegible]

Version 15

Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC

EXHIBIT A: ESTIMATED TASK WORK HOURS

													TOTAL HOURS
MONTHS of YEAR 2019													
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	32	32	32	32	32	51							211
TOTALS	32	32	32	32	32	51							211

Contract No.: 1-18-4266

Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/1/2017 Date Date	1/1/2018 - 12/31/2018 Date Date	1/1/2019 - 6/30/2019 Date Date	Date Date	Date Date
6.0	12.0	6.0		
24.0	24.0	24.0	24.0	24.0
25.00% Factor First Period	50.00% Escalation Factor Second Period	25.00% Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period

ESCALATION PER YEAR Year 6 through 10

Date Date	Date Date	Date Date	Date Date	Date Date
24.0	24.0	24.0	24.0	24.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLCDate: 5/11/2017Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATESTotal
Estimated
Work Hours: 802.00Average
Hourly Rate: \$33.38Total Direct
Labor \$26,770.76**DIRECT COST
OVERTIME PREMIUM**Total
Estimated O/T
Hours: _____Average
Premium O/T
Hourly Rate: _____Total Overtime
Premium: _____

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00					
No	Project Manager	\$40.00	\$70.00	\$55.00	\$55.00	14.00		
No	Senior Engineer/Planner	\$40.00	\$70.00					
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00					
No	Staff Engineer/Planner	\$20.00	\$40.00	\$33.00	\$33.00	788.00		
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00					
No	Technical Specialist	\$15.00	\$50.00					
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00					

Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

Contract No.: I-16-4266 Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 41.87

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: Cheri K Lewis Engineers LLC dba CKL
Engineers LLC

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

Cheri K Lewis Engineers dba CKL Engineers LLC

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

Cheri K Lewis Engineers LLC dba CKL Engineers LLC

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
I-16-4266	IL53/IL120Environmental Impact Stmt(EIS)&Related Repor	\$75,000.00	\$75,000.00	6/30/2019
I-17-4679	EOWA Constnution Management Services	pending	pending	7/1/2018
I-16-9189	Systemwide Facilities Construction Management Services	\$125,000.00	\$125,000.00	6/1/2020
PTB 180/10	IDOT Various-Various	\$280,000.00	\$75,000.00	8/1/2019
CDOT	City Wide Menu Program	1.3M	1.3M	8/1/2021

Contract No.: I-16-4266Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC**EXHIBIT H - SERVICES BY OTHERS**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): _____

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services): _____

Project No. I-16-4266Consultant: Cheri K Lewis Engineers LLC dba CKL Engineers LLC**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1 _____
Direct Labor _____
Direct Costs _____
Services by Others _____
Additional Services ** _____
Total this Subconsultant (ULC) \$ -

2 _____
Direct Labor _____
Direct Costs _____
Services by Others _____
Additional Services ** _____
Total this Subconsultant (ULC) \$ -

3 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

4 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

5 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

6 _____
Direct Labor _____
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

7 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

8 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

9 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

10 _____
Direct Labor \$ -
Direct Costs \$ -
Services by Others \$ -
Additional Services ** \$ -
Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: DAMA Consultants, Inc

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: I-16-4266

Consultant: DAMA Consultants, Inc

EXHIBIT A: ESTIMATED TASK WORK HOURS

Grand Total Exhibit A Hours													3,265
MONTHS of YEAR 2017													TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services							40	40	40	40	40	40	240
TOTALS							40	40	40	40	40	40	240

Consultant: DAMA Consultants, Inc

EXHIBIT A: ESTIMATED TASK WORK HOURS[illegible]

Consultant: DAMA Consultants, Inc

EXHIBIT A: ESTIMATED TASK WORK HOURS

MONTHS of YEAR 2019													TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	200	195	90	60	40	40							625
TOTALS	200	195	90	60	40	40							625

Consultant: DAMA Consultants, Inc

A. DIRECT LABOR (without overtime)

3,265.00	X	\$ 40.94	=	TOTAL DIRECT SALARY	\$ 133,669.10
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

Multiplier to be used on this project: 2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	374,273.48
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(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$726.52
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H)	\$	-
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Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont))	\$	-
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TOTAL SERVICES BY OTHERS	\$	-
---------------------------------	-----------	----------

D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -
(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 375,000.00
---	----------------------

Contract No.: I-16-4266

Consultant: DAMA Consultants, Inc

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
 SCHEDULED START DATE: 7/1/2017
 RAISE DATE: 1/1/2018
 PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017	1/1/2018 - 12/31/2018	1/1/2019 - 8/30/2019		
Date Date	Date Date	Date Date	Date Date	Date Date
6.0	12.0	6.0		
24.0	24.0	24.0	24.0	24.0
25.00%	50.00%	25.00%		
Escalation Factor First Period	Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period

ESCALATION PER YEAR Year 6 through 10

Date Date	Date Date	Date Date	Date Date	Date Date
24.0	24.0	24.0	24.0	24.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266Consultant: DAMA Consultants, IncDate: 5/11/2017Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 3,265.00Average
Hourly Rate: \$40.94Total Direct
Labor \$133,669.10Total
Estimated O/T
Hours: Average
Premium O/T
Hourly Rate: Total Overtime
Premium:

'Yes' must be selected in Column A

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	180.00		
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	180.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$70.00	\$70.00	240.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$60.00	\$60.00	280.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$30.00	\$30.00	1,625.00		
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00	\$50.00	\$50.00	340.00		
No	Technical Specialist	\$15.00	\$50.00					
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00	\$20.00	\$20.00	240.00		
No	Admin/Clerical	\$8.25	\$40.00	\$24.00	\$24.00	180.00		

Consultant: DAMA Consultants, Inc

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Rev. 6/2016

Contract No.: I-16-4266 **Consultant:** DAMA Consultants, Inc

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

Traffic Simulation VISSIM Licence (TBD)

TransCAD Travel Demand Modeling (TBD)

1

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)	\$	726.52
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ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: DAMA Consultants, Inc

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

DAMA Consultants, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

DAMA Consultants, Inc

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
PTB 182-01	MOT design	\$86,000.00	\$86,000.00	6/30/2018
PTB 178-08	Construction Inspection on EB I-90	\$118,000.00	\$78,000.00	11/30/2017

Contract No.: I-16-4266

Consultant: DAMA Consultants, Inc

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor		8	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor		9	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor		10	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: DAMA Consultants, Inc**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) <u>\$ -</u>	6 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
2 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) <u>\$ -</u>	7 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
3 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	8 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
4 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	9 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
5 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	10 Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: DB Sterlin Consultants Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: DB Sterlin Consultants Inc.

Grand Total Exhibit A Hours	3,840
	TOTAL HOURS

Rev. 6/2016

Version 15

Contract Number: I-16-4266

Consultant: DB Sterlin Consultants Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2018												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	160	160	160	160	160	160	160	160	160	160	160	160	1920
TOTALS	160	160	160	160	160	160	160	160	160	160	160	160	1920

Contract Number: I-16-4266

Consultant: DB Sterlin Consultants Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	160	160	160	160	160	160							960
TOTALS	160	160	160	160	160	160							960

Contract No.: I-16-4266Consultant: DB Sterlin Consultants Inc.**EXHIBIT B: FEE CALCULATIONS****A. DIRECT LABOR** (without overtime)

$$\begin{array}{rcccl} \underline{3,840.00} & \times & \$ \underline{43.68} & = & \text{TOTAL DIRECT SALARY } \$ \underline{167,731.20} \\ \text{(Total Work Hours} & & \text{(Average Hourly} & & \\ \text{from Exhibit C-2)} & & \text{Rate from Exhibit} & & \\ & & \text{C-2)} & & \end{array}$$

Multiplier to be used on this project: 2.80
Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER \$ 469,647.36

B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$30,352.64

C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -

TOTAL SERVICES BY OTHERS \$ -

D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -
(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation) \$ 500,000.00

Contract No.: I-16-4266

Consultant: DB Sterlin Consultants Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0 25.00% Factor First Period	1/1/2018 - 12/31/2018 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	1/1/2019 - 6/30/2019 Date Date 6.0 24.0 25.00% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
---	--	---	---	--

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: DB Sterlin Consultants Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES

Total
Estimated
Work Hours: 3,840.00

Average
Hourly Rate: \$43.68

Total Direct
Labor \$167,731.20

**DIRECT COST
OVERTIME PREMIUM**

Total
Estimated O/T
Hours: 120.00

Average
Premium O/T
Hourly Rate: \$16.00

Total Overtime
Premium: \$1,920.00

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	160.00		
No	Project Manager	\$40.00	\$70.00					
No	Senior Engineer/Planner	\$40.00	\$70.00	\$60.00	\$60.00	240.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$60.00	\$60.00	450.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$35.00	\$35.00	960.00		
No	Engineer /Accountant	\$20.00	\$60.00	\$40.00	\$40.00	535.00		
No	Senior Technical Specialist	\$25.00	\$60.00	\$55.00	\$55.00	535.00		
Yes	Technical Specialist	\$15.00	\$50.00	\$32.00	\$32.00	960.00	16.00	120.00
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00					

Contract No.: I-16-4266

Consultant:

DB Sterlin Consultants Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Associate Principal	Antonio Vercillo	\$50 - \$70
	Associate Principal	Thomas Powers	
Project Manager			\$40 - \$70
Senior Engineer/Planner	Senior Engineer II	William Kucera	\$40 - \$70
	Senior Engineer II	M. Basar Civelek	
	Senior Engineer I	Anthony Wiedmann	
	Senior Engineer I	Michael Hurtubise	
	Project Engineer III	Victor Cardona	
Resident Engineer			\$40 - \$70
Project Engineer/Planner	Project Engineer II	Michael Miller	\$25 - \$60
	Project Engineer II	Brigida Franco Hogan	
	Project Engineer II	Craig Cleland	
	Project Engineer II	Nicholas Riha	
	Project Engineer II	David Wilcox	
Staff Engineer/Planner	Engineer III	Demetria Sesa	\$20 - \$40
	Engineer III	Eurie Bayan	
Engineer /Accountant	Engineer I	Daniel Haas	\$20 - \$60
Senior Technical Specialist	Professional Land Surveyor II	Thomas Galbreath	\$25 - \$60
	CADD Manager	Michael Kritz	
	CADD Manager	Nebojsa Scekcic	
Technical Specialist	CADD Technician II	Christopher Formosa	\$15 - \$50
	Survey Crew Member II	Umit Yurdacan	
	Survey Crew Member II	Andrew Weis	
	Survey Crew Member II	Urban Gutierrez	
	Survey Crew Member II	Chan Kwong	
	Survey Crew Member II	Enrique Gaitan	
	Survey Crew Member I	Gavin Kabak	
	Survey Crew Member I	Francisco Villanueva	
	Survey Crew Member I	Jason Gutierrez	

Contract No.: I-16-4266

Consultant: DB Sterlin Consultants Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

Contract No.: I-16-4266 Consultant: DB Sterlin Consultants Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>

- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF

- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 28,432.64

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: DB Sterlin Consultants Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

DB Sterlin Consultants Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

DB Sterlin Consultants Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
RR-13-5662	I-88 Roadway Resurfacing	\$4,615,000.00	\$15,000.00	6/1/2017
RR-13-5660	I-88 Roadway Resurfacing	\$350,000.00	\$24,000.00	8/1/2017
I-14-4186	I-90 Roadway, Retaining Wall and Bridge	\$685,000.00	\$59,000.00	9/1/2017
I-14-4189	I-90 Roadway and Bridge Reconstruction	\$273,000.00	\$15,000.00	6/1/2017
I-13-4613	EOWA CMUR	\$500,000.00	\$35,000.00	6/1/2017
RR-16-4253	I-88 Design Engineering	\$240,000.00	\$100,000.00	8/1/2017

Contract No.: I-16-4266

Consultant: DB Sterlin Consultants Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (Includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	6	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	7	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: FluidClarity, Ltd.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: FluidClarity, Ltd.

Grand Total Exhibit A Hours	5,235
------------------------------------	--------------

TOTAL HOURS	
-------------	--

TASK	MONTHS OF YEAR 2017												TOTAL
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services							219	219	219	218	218	218	1311
TOTALS							219	219	219	218	218	218	1311

Consultant: FluidClarity, Ltd.

Rev. 8/2015

Version 15

Contract Number: I-16-4266

Consultant: FluidClarity, Ltd.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	218	218	218	218	218	218							1308
TOTALS	218	218	218	218	218	218							1308

Consultant: FluidClarity, Ltd.

A. DIRECT LABOR (without overtime)

<u>5,235.00</u>	X	\$ 42.58	=	TOTAL DIRECT SALARY	\$ <u>222,906.30</u>
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	624,137.64
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(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$862.36
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont))	\$	-
--	-----------	----------

TOTAL SERVICES BY OTHERS	\$	-
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D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES	\$	-
---------------------------	----	---

(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 625,000.00
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Contract No.: I-16-4266
Date: 5/11/2017

Consultant: FluidClarity, Ltd.

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0 25.00% Factor First Period	1/1/2018 - 12/31/2018 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	1/1/2019 - 6/30/2019 Date Date 6.0 24.0 25.00% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
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ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
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The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: FluidClarity, Ltd.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 5,235.00Average
Hourly Rate: \$42.58Total Direct
Labor \$222,906.30Total
Estimated O/T
Hours:Average
Premium O/T
Hourly Rate:Total Overtime
Premium:

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	560.00		
No	Project Manager	\$40.00	\$70.00	\$48.21	\$48.21	1,170.00		
No	Senior Engineer/Planner	\$40.00	\$70.00					
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$41.27	\$41.27	2,120.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$31.18	\$31.18	1,060.00		
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$80.00					
No	Technical Specialist	\$15.00	\$50.00					
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00	\$20.80	\$20.80	325.00		

Contract No.: I-16-4266

Consultant: FluidClarity, Ltd.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

Contract No.: I-16-4266 Consultant: FluidClarity, Ltd.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 862.36

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: FluidClarity, Ltd.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: Marion Kessy

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

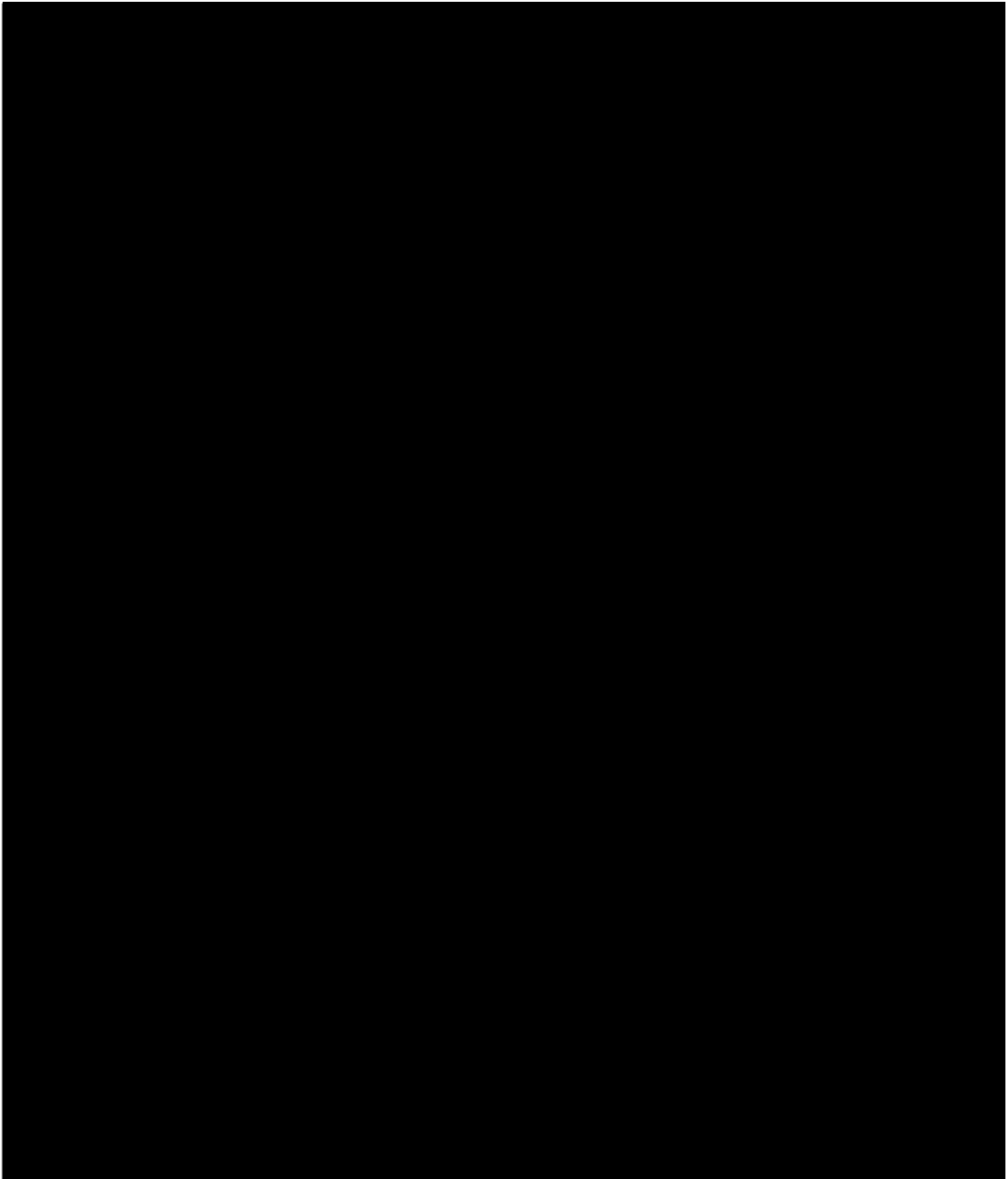


EXHIBIT F

CONTRACT I-16-4266

FluidClarity, Ltd.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

FluidClarity, Ltd.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
I-15-4658	EOWA - Bensenville Yard Underpass	\$511,000.00	\$500,000.00	1/31/2021
IEPA TMDL	Thorn Creek TMDL	\$67,000.00	\$4,200.00	7/1/2017
PTB 173-003	I55 at US 6 Construction	\$212,000.00	\$209,880.00	11/1/2018
PTB 165-012	Surveying: Various routes various counties	\$300,000.00	\$57,000.00	12/31/2020
PTB 174-004	Phase I Drainage: Various routes various counties	\$300,000.00	\$48,000.00	6/30/2017
PTB 159-018	FAI (I-74)	\$156,914.00	\$12,119.00	12/31/2018
PTB 159-030	Statewide Structural and Engineering Services	\$900,000.00	\$25,000.00	10/31/2017
PTB 158-001	Central Ave:63rd to 87th	\$58,799.00	\$10,805.00	Unknown
PTB 156-005	US Route 12/20 (95 th Street)	\$101,816.00	\$250.00	7/1/2017
I-11-4014	Elgin O'Hare Western Access, DCM	\$545,293.00	\$394,999.00	8/31/2017
I-12-4043	Elgin O'Hare Western Access, Design Upon Request	\$250,000.00	\$45,000.00	8/31/2017

Contract No.: I-16-4266

Consultant: FluidClarity, Ltd.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	6	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	7	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: FluidClarity, Ltd.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	_____	6	_____
Direct Labor	_____	Direct Labor	_____
Direct Costs	_____	Direct Costs	\$ -
Services by Others	_____	Services by Others	\$ -
Additional Services **	_____	Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -	Total this Subconsultant (ULC)	\$ -
2	_____	7	_____
Direct Labor	_____	Direct Labor	\$ -
Direct Costs	_____	Direct Costs	\$ -
Services by Others	_____	Services by Others	\$ -
Additional Services **	_____	Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -	Total this Subconsultant (ULC)	\$ -
3	_____	8	_____
Direct Labor	\$ -	Direct Labor	\$ -
Direct Costs	\$ -	Direct Costs	\$ -
Services by Others	\$ -	Services by Others	\$ -
Additional Services **	\$ -	Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -	Total this Subconsultant (ULC)	\$ -
4	_____	9	_____
Direct Labor	\$ -	Direct Labor	\$ -
Direct Costs	\$ -	Direct Costs	\$ -
Services by Others	\$ -	Services by Others	\$ -
Additional Services **	\$ -	Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -	Total this Subconsultant (ULC)	\$ -
5	_____	10	_____
Direct Labor	\$ -	Direct Labor	\$ -
Direct Costs	\$ -	Direct Costs	\$ -
Services by Others	\$ -	Services by Others	\$ -
Additional Services **	\$ -	Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -	Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Geo Services, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Geo Services, Inc.

Grand Total Exhibit A Hours	948
-----------------------------	-----

Version 15

Contract Number: I-16-4266

Consultant: Geo Services, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2018												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	50	50	50	50	50	50	50	50	50	36	20	20	526
TOTALS	50	50	50	50	50	50	50	50	50	36	20	20	526

Contract Number: I-16-4266

Consultant: Geo Services, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	20	20	20	20	20	20							120
TOTALS	20	20	20	20	20	20							120

Consultant: Geo Services, Inc.

EXHIBIT B: FEE CALCULATIONS

A. DIRECT LABOR (without overtime)

<u>946.00</u>	X	<u>\$ 44.33</u>	=	TOTAL DIRECT SALARY	<u>\$ 41,936.18</u>
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

Multiplier to be used on this project:

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	117,421.30
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B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$132,578.70
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -

TOTAL SERVICES BY OTHERS	\$	-
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D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -

(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 250,000.00
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Contract No.: I-16-4266

Consultant: Geo Services, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS

SCHEDULED START DATE: 7/1/2017

RAISE DATE: 7/1/2018

PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 6/30/2018	7/1/2018 - 6/30/2019			
Date Date	Date Date	Date Date	Date Date	Date Date
12.0	12.0			
24.0	24.0	24.0	24.0	24.0
50.00%	50.00%			
Escalation Factor First Period	Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period

ESCALATION PER YEAR Year 6 through 10

Date Date	Date Date	Date Date	Date Date	Date Date
24.0	24.0	24.0	24.0	24.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: Geo Services, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES							DIRECT COST OVERTIME PREMIUM	
Total Estimated Work Hours: 946.00 Average Hourly Rate: \$44.33 Total Direct Labor: \$41,936.18							Total Estimated O/T Hours: 25.00 Average Premium O/T Hourly Rate: \$17.60 Total Overtime Premium: \$440.00	
Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	75.00		
No	Project Manager	\$40.00	\$70.00	\$63.25	\$63.25	100.00		
Yes	Senior Engineer/Planner	\$40.00	\$70.00	\$47.50	\$47.50	330.00	23.75	5.00
No	Resident Engineer	\$40.00	\$70.00					
Yes	Project Engineer/Planner	\$25.00	\$60.00	\$38.00	\$38.00	50.00	19.00	5.00
Yes	Staff Engineer/Planner	\$20.00	\$40.00	\$29.75	\$29.75	60.00	14.89	5.00
Yes	Engineer /Accountant	\$20.00	\$60.00	\$34.50	\$34.50	280.00	17.25	5.00
No	Senior Technical Specialist	\$25.00	\$60.00					
No	Technical Specialist	\$15.00	\$50.00					
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
Yes	Admin/Clerical	\$8.25	\$40.00	\$26.25	\$26.25	51.00	13.13	5.00

Contract No.: I-16-4266 **Consultant:** Geo Services, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

See Additional Direct Cost Items attached

[illegible]**TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)**

\$ 132,138.70

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Date: 21-Jun-17

Sub Consultant: GEO SERVICES, INC.

ALLOWABLE DIRECT COSTS

ITEMIZED DIRECT COSTS

DRILLING DIRECT COST TOTAL	\$	112,143.70
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Contract No.: I-16-4266

Sub Consultant: GEO SERVICES, INC.

Date: 21-Jun-17

Description (1)	Unit (2)	Unit Cost (4)	REIMBURSABLE DIRECT COSTS
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ALLOWABLE DIRECT COSTS

Geotechnical and Environmental Laboratory Testing			
Routine Testing includes % Moisture, Classification & Pocket Penetrometer Test	EA	\$	15.00
Torvane Test	EA	\$	6.00
Extrude Shelby Tube	EA	\$	12.00
Atterberg Limits (Single Point) (T89 & 90/D4318)	EA	\$	60.00
Atterberg Limits (Multiple Point) (T89 & 90/D4318)	EA	\$	120.00
Particle Size Analysis, no hydrometer (T311/D6913)	EA	\$	90.00
Particle Size Analysis, with hydrometer (T88/D422)	EA	\$	110.00
No. 200 Wash Sieve Analysis (only) (T11/D1140)	EA	\$	40.00
Unconfined Compressive Strength Qu (T208/D2166)	EA	\$	50.00
Dry Density (Unit Weight) (D7263)	EA	\$	5.00
Specific Gravity (Soil) (T100/D854)	EA	\$	60.00
pH of Soil (D4972)	EA	\$	20.00
Organic Content - loss on ignition (T267/D2987)	EA	\$	60.00
Organic Content - wet combustion (T194)	EA	\$	115.00
Consolidation - 16 tsf (T216/D2435)	EA	\$	510.00
Consolidation - 32 tsf (T216/D2435)	EA	\$	620.00
Triaxial Unconsolidated Undrained (UU) (3-points) (T296/D2850)	EA	\$	400.00
Triaxial Consolidated Undrained (CU) (3 points) (T297/D4767)	EA	\$	900.00
Triaxial (remolding of sample) per point	EA	\$	50.00
Hydraulic Conductivity (permeability) (D5084)	EA	\$	300.00
Hydraulic Conductivity (remold sample) per point	EA	\$	50.00
Moisture Density Relationship (Proctor) (T99 & 180/D698 & 1557)	EA	\$	180.00
Moisture Density (Proctor) with Oversize Correction (T224/D4718)	EA	\$	240.00
Moisture Density Relationship (Proctor) with % Lime (D558)	EA	\$	200.00
IDOT Lime Stabilized Soil Test	EA	\$	350.00
Illinois Bearing Ratio (IBR)	EA	\$	450.00
Illinois Immediate Bearing Value (IBV)	EA	\$	450.00
California Bearing Ratio CBR (T193/D1883)	EA	\$	450.00
Slag Expansion Test (D4792)	EA	\$	750.00
Soil Resistivity (Lab) (T288/G187)	EA	\$	200.00
Rock Unconfined Compressive Strength (D7012)	EA	\$	50.00
Rock Tensile Strength (D3967)	EA	\$	75.00
Topsoil Analysis (IL Dept. Ag.) pH, Wet Combustion & No. 200 Wash Sieve	EA	\$	175.00
Washed 150 lb PGE Gradation (IDOT)	EA	\$	500.00
Washed Coarse Aggregate Gradation (over 1" dia.) (T11 & 27/C117 & 136)	EA	\$	200.00
Washed Coarse Aggregate Gradation (under 1" dia.) (T11 & 27/C117 & 136)	EA	\$	95.00
Washed Fine Aggregate Gradation (T11 & 27/C117 & 136)	EA	\$	60.00
Organic Impurities in Fine Aggregate (T21/C40)	EA	\$	40.00
Unit Weight of Course Aggregate (T19/C29)	EA	\$	60.00
Specific Gravity Course Aggregate (T85/C127)	EA	\$	90.00
Specific Gravity Fine Aggregate (T84/C128)	EA	\$	120.00

LABORATORY DIRECT COSTS TOTAL \$ 19,995.00

Contract No.: I-16-4266

Consultant: Geo Services, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

Geo Services, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

Geo Services, Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
System wide I-14-4639	Geotechnical Investigation upon request	\$ 3,000,000	\$ 1,296,658	12/31/2020
EO Western Access I-5-4657	Geotechnical Investigation	\$ 1,096,521	\$ 1,086,483	12/31/2021
Task Order RR-15-4242	Geotechnical Investigation	\$ 150,000	\$ 93,114	12/31/2019

Contract No.: I-16-4266

Consultant: Geo Services, Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: Geo Services, Inc.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) <u>\$ -</u>	6	Direct Labor Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) <u>\$ -</u>	7	Direct Labor Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
3	Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	8	Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
4	Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	9	Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
5	Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	10	Direct Labor <u>\$ -</u> Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Images, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Images, Inc.

Grand Total Exhibit A Hours	4,575
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Rev. 6/2016

Version 15

Consultant: Images, Inc.

Downloaded from <http://ajph.org/> on November 10, 2014

Version 15

Consultant: Images, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL HOURS
Planning Services	150	200	200	200	200	150							1100
TOTALS	150	200	200	200	200	150							1100

Contract No.: I-16-4266

Consultant: Images, Inc.

EXHIBIT B: FEE CALCULATIONS

A. DIRECT LABOR (without overtime)

<u>4,575.00</u>	X	<u>\$ 58.26</u>	=	TOTAL DIRECT SALARY	<u>\$ 266,539.50</u>
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

Multiplier to be used on this project:

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	746,310.60
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B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$3,689.40
---------------------------	-------------------

C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont))	\$	-
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TOTAL SERVICES BY OTHERS	\$	-
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D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -
(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 750,000.00
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Contract No.: I-16-4266

Consultant: Images, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 8/1/2017
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 7/31/2017 Date Date 1.0 24.0	8/1/2017 - 7/31/2018 Date Date 12.0 24.0	8/1/2018 - 6/30/2019 Date Date 11.0 24.0	Date Date 24.0	Date Date 24.0
4.17% Factor First Period	50.00% Escalation Factor Second Period	45.83% Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0	Date Date 24.0	Date Date 24.0	Date Date 24.0	Date Date 24.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: Images, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 4,575.00Average
Hourly Rate: \$58.28Total Direct
Labor \$266,539.50Total
Estimated O/T
Hours:Average
Premium O/T
Hourly Rate:Total Overtime
Premium:

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	1,200.00		
No	Project Manager	\$40.00	\$70.00	\$62.40	\$62.40	1,125.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$63.46	\$63.46	1,125.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00					
No	Staff Engineer/Planner	\$20.00	\$40.00	\$20.19	\$20.19	400.00		
No	Engineer /Accountant	\$20.00	\$60.00	\$47.24	\$47.24	125.00		
No	Senior Technical Specialist	\$25.00	\$60.00	\$51.11	\$51.11	250.00		
No	Technical Specialist	\$15.00	\$50.00	\$35.69	\$35.69	300.00		
No	Architect	\$30.00	\$70.00	\$70.00	\$70.00	50.00		
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00					

Consultant: Images, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

Contract No.: I-16-4266 Consultant: Images, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

Postcards printing

Newsletters/factsheets printing

Board printing

Stock Photography

Surveys

Meeting Copies

Court Reporter

Postcard postage

Newsletters/factsheets postage

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 3,689.40

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: Images, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: Tracy Morse

Classification: Public Involvement

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

public involvement + strategic communications + planning

Team Members

IMA

1250 E.
Suite 400
Naperville
IL 60563
www.ima

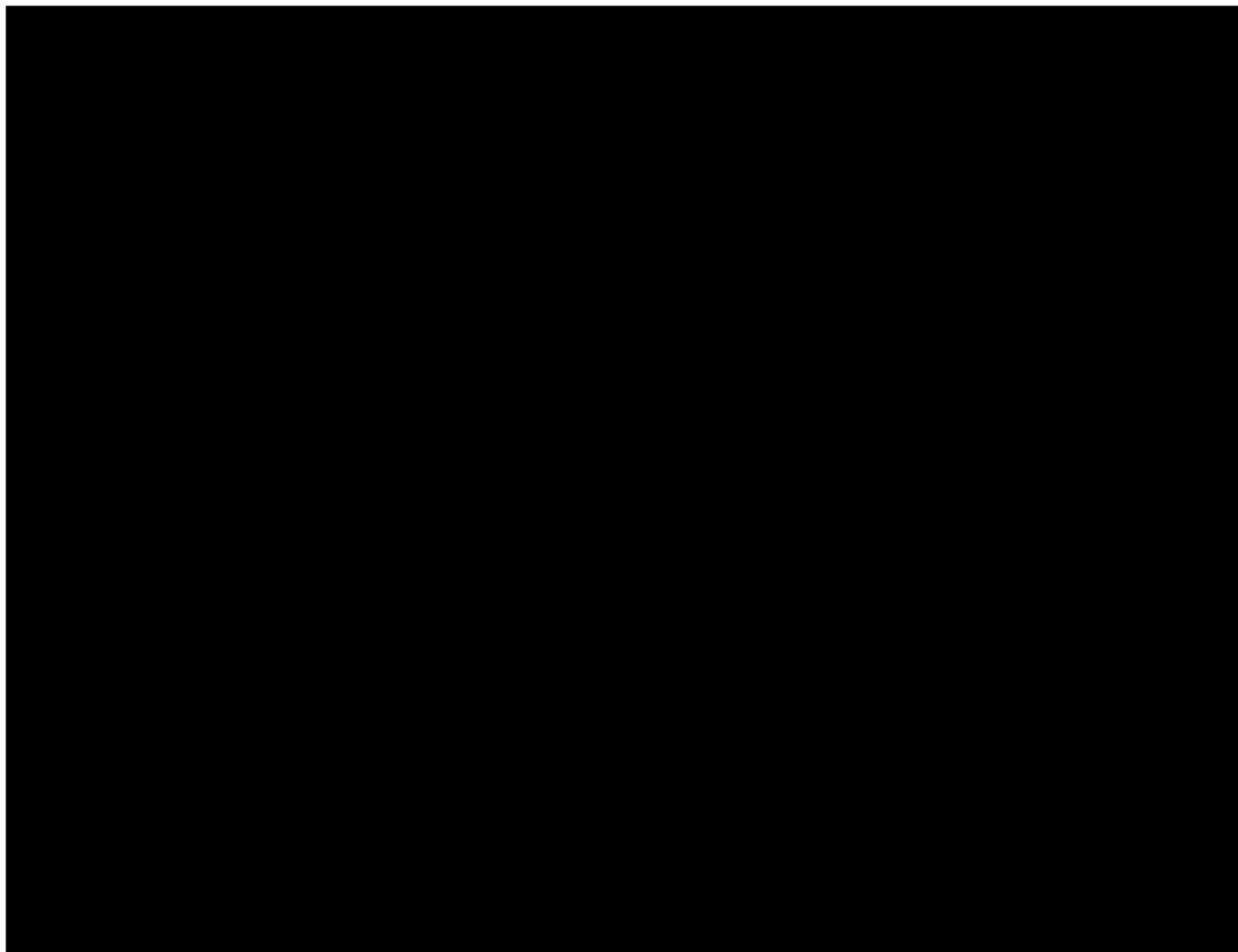
Effective Involvement. Better Decisions.

EXHIBIT "1"
Page 422 of 542

public involvement + strategic communications + planning

www.imagesinc.net

Team Members



IMAGES INC.

1250 IL Ditch Rd.
Suite 401
Naperville, IL 60563
T 630.510.3944
F 630.510.3947
www.imagesinc.net

Effective Involvement. Better Decisions.

EXHIBIT "1"
Page 423 of 542

EXHIBIT F

CONTRACT I-16-4266

Images, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G**Contract No. I-16-4266****Images, Inc.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
Elgin-OHare Phase II Design- Inves		\$50,000.00	\$46,000.00	7/1/2019
I-290	Public Involvement	\$1,554,498.00	\$48,477.00	8/30/2017
High Speed R	Public Involvement	Work Order Based	Work Order Base	12/31/2018
I-55	Public Involvement	\$698,911.00	\$275,444.00	2/31/2018
I-80	Public Involvement	\$541,839.00	\$227,309.00	12/31/2017
e Byrne Ph II	Public Involvement	\$142,038.00	\$51,847.00	12/31/2017
74 River Brid	Public Involvement/Public Relations	\$1,300,000.00	\$1,200,000.00	7/1/2021
Tollway GEC	Public Involvement/Planning/Public Relations	Work Order Based	Work Order Base	7/1/2022
Deerfield Roac	Public Involvement	\$270,000.00	\$240,000.00	4/1/2019
a Environ. Ser	Public Involvement/Planning	Work Order Based	Work Order Base	4/1/2019
cago- Quad Ci	Public Involvement/Planning	Work Order Based	Work Order Base	4/1/2020
Safety Progn	Public Involvement/Planning/Communications	Work Order Based	Work Order Based	
Cook Corrdor	Public Involvement/Planning	\$90,000.00	\$40,000.00	3/1/2018

Contract No.: I-16-4266

Consultant: Images, Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	6	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	7	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-15-4266Consultant: Images, Inc.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		5	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Kabbes Engineering, Inc

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Kabbes Engineering, Inc

Grand Total Exhibit A Hours	748
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Version 15

Consultant: Kabbes Engineering, Inc

MONTHS of YEAR 2018		TOTAL HOURS
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[illegible]

Consultant: Kabbes Engineering, Inc

TABLE 1. ESTIMATED WORK WEEKS

													TOTAL HOURS
	MONTHS of YEAR 2019												
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	32	32	32	32	32	12							172
TOTALS	32	32	32	32	32	12							172

Contract No.: I-16-4266

Consultant: Kabbes Engineering, Inc

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0 25.00% Factor First Period	1/1/2018 - 12/31/2018 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	1/1/2018 - 6/30/2018 Date Date 9.0 24.0 25.00% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
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ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: Kabbes Engineering, Inc

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 748.00Average
Hourly Rate: \$59.59Total Direct
Labor \$44,573.32Total
Estimated O/T
Hours:Average
Premium O/T
Hourly Rate:Total Overtime
Premium:

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00					
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	240.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$57.00	\$57.00	436.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$35.00	\$35.00	24.00		
No	Staff Engineer/Planner	\$20.00	\$40.00					
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00	\$60.00	\$60.00	24.00		
No	Technical Specialist	\$15.00	\$50.00	\$35.00	\$35.00	8.00		
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00	\$15.00	\$15.00	8.00		
No	Admin/Clerical	\$8.25	\$40.00	\$30.00	\$30.00	8.00		

Contract No.: I-16-4266 Consultant: Kabbes Engineering, Inc

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 194.70

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: Kabbes Engineering, Inc

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal:

Project Manager:

Project Engineer:

Resident Engineer:

Documentation Engineer:

Project Civil Engineer:

Project Structural Engineer:

Project Drainage Engineer:

Senior Engineer:

Others:

Name:

Classification:

Name:

Classification:

Name:

Classification:

Name:

Classification:

EXHIBIT F

CONTRACT I-16-4266

Kabbes Engineering, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

Kabbes Engineering, Inc

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
Various	Various Drainage Projects in District One	\$300,000.00	\$150,000.00	4/1/2018
FEMA	Floodplain Studies NE Ohio	\$280,000.00	\$80,000.00	11/1/2017

Contract No.: I-16-4266

Consultant: Kabbes Engineering, Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor		8	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor		9	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor		10	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: Kabbes Engineering, Inc**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	6	Direct Labor Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor Direct Costs Services by Others Additional Services ** Total this Subconsultant (ULC) \$ -	7	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor \$ - Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Martinez Geospatial, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Martinez Geospatial, Inc.

Grand Total Exhibit A Hours	4,608
	TOTAL HOURS

[illegible]

Consultant: Martinez Geospatial, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS		TOTAL HOURS
MONTHS of YEAR 2018		
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
175	176	177
178	179	180
181	182	183
184	185	186
187	188	189
190	191	192
193	194	195
196	197	198
199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364		

[illegible]

Contract Number: I-16-4266

Consultant: Martinez Geospatial, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	192	192	192	192	192	192							1152
TOTALS	192	192	192	192	192	192							1152

Contract No.: I-16-4266Consultant: Martinez Geospatial, Inc.**EXHIBIT B: FEE CALCULATIONS****A. DIRECT LABOR** (without overtime)

$$\frac{4,608.00}{\text{(Total Work Hours from Exhibit C-2)}} \times \$ \frac{28.05}{\text{(Average Hourly Rate from Exhibit C-2)}} = \text{TOTAL DIRECT SALARY } \$ \underline{129,254.40}$$

Multiplier to be used on this project: 2.80
Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER \$ 361,912.32

B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$13,087.68

C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -

TOTAL SERVICES BY OTHERS \$ -

D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -
(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)\$ 375,000.00

Contract No.: I-16-4266

Consultant: Martinez Geospatial, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0	1/1/2018 - 12/31/2018 Date Date 12.0 24.0	1/1/2019 - 6/30/2019 Date Date 6.0 24.0	Date Date 24.0	Date Date 24.0
25.00% Factor First Period	50.00% Escalation Factor Second Period	25.00% Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0	Date Date 24.0	Date Date 24.0	Date Date 24.0	Date Date 24.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: Martinez Geospatial, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES							DIRECT COST OVERTIME PREMIUM	
Total Estimated Work Hours: 4,608.00 Average Hourly Rate: \$28.05 Total Direct Labor: \$129,254.40							Total Estimated O/T Hours: Average Premium O/T Hourly Rate: Total Overtime Premium:	
Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00					
No	Project Manager	\$40.00	\$70.00	\$68.75	\$68.75	192.00		
No	Senior Engineer/Planner	\$40.00	\$70.00					
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00					
No	Staff Engineer/Planner	\$20.00	\$40.00	\$33.75	\$33.75	384.00		
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00	\$32.00	\$32.00	1,152.00		
No	Technical Specialist	\$15.00	\$60.00	\$23.00	\$23.00	2,880.00		
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00					

Contract No.: I-16-4266Consultant: Martinez Geospatial, Inc.Date: 5/11/2017**EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST**

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal			\$50 - \$70
Project Manager	Project Manager	Stephen J Martinez	\$40 - \$70
Senior Engineer/Planner			\$40 - \$70
Resident Engineer			\$40 - \$70
Project Engineer/Planner			\$25 - \$60
Staff Engineer/Planner	Survey Director	Aaron C Hofstedt	\$20 - \$40
Engineer /Accountant			\$20 - \$60
Senior Technical Specialist	IT Manager	Alan Z Eisinger	\$25 - \$60
	Production Manager	Mark Shapers	
	Senior Photogrammetrist	Troy D Delmonico	
Technical Specialist	Graphic Designer / Visual Artist	Mark J Leander	\$15 - \$50
	Geospatial Technician	Shandi N Siegel	
	Geospatial Technician	Dagan R Brandt	
	Geospatial Technician	Grace S Davig	
	Geospatial Technician	Steven K Godding	
	Geospatial Technician	Glen R Jentink	
	Geospatial Technician	Paul E Karnnikar	
	Geospatial Technician	Tony J Martinez	
	Geospatial Technician	Vincent L Martinez	
	Geospatial Technician	Erik R Porter	
	Geospatial Technician	Daniel J Schepers	
	Geospatial Technician	Jake C Schutt	
	Survey Field Crew	Mark C Shindler	
	Geospatial Technician	Thea M Valdez	
	Geospatial Technician	Sterling Williams	
Architect			\$30 - \$70
Realty Specialists			\$20 - \$70
Intern			\$8.25 - \$20
Admin/Clerical			\$8.25 - \$40

Contract No.: I-16-4266 **Consultant:** Martinez Geospatial, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
-14
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

[illegible]**TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)**

\$ 13,087.68

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
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CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: Martinez Geospatial, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

Martinez GeoSpatial, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

Martinez Geospatial, Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
170506	Corridor mapping for HBSE in ND	\$86,216.00	\$86,216.00	8/31/2017
170505	Corridor mapping for Interstate Eng. In ND	\$77,645.00	\$77,645.00	8/31/2017
170501	Corridor mapping for Stantec in Minneapolis	\$22,824.00	\$18,525.00	8/31/2017
170402	Corridor mapping for MNDOT	\$65,000.00	\$35,590.00	7/31/2017
170401	Aerial Mapping for City of Minneapolis	\$85,264.00	\$45,707.00	7/31/2017
170313	Aerial Mapping for MNDOT	\$94,050.00	\$2,000.00	6/30/2017
170306	Corridor mapping for MNDOT	\$10,000.00	\$4,195.00	6/30/2017
170305	Corridor mapping for MNDOT	\$25,000.00	\$3,800.00	6/30/2017
170304	Corridor mapping for MNDOT	\$17,000.00	\$13,417.00	6/30/2017
170303	Corridor mapping for MNDOT	\$25,000.00	\$7,605.00	6/30/2017
170302	Corridor mapping for MNDOT	\$23,000.00	\$10,000.00	6/30/2017

Contract No.: I-16-4266

Consultant: Martinez Geospatial, Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2	Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10	Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: Martinez Geospatial, Inc.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: TERRA Engineering, Ltd.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: TERRA Engineering, Ltd.

Grand Total Exhibit A Hours	4,908
	TOTAL HOURS

[illegible]

Consultant: TERRA Engineering, Ltd.

EXHIBIT A: ESTIMATED TASK WORK HOURS

[illegible]

Version 15

Contract Number: I-16-4266

Consultant: TERRA Engineering, Ltd.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	200	200	200	200	200	200							1200
TOTALS	200	200	200	200	200	200							1200

Consultant: TERRA Engineering, Ltd.

A. DIRECT LABOR (without overtime)

Multiplier to be used on this project: 2.80
 Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

(For Prime Consultant listed above.)

Version 15
EXHIBIT "1"
Page 464 of 542

Contract No.: I-16-4266
Date: 5/11/2017

Consultant: TERRA Engineering, Ltd.

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0 25.00% Factor First Period	1/1/2018 - 12/31/2018 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	1/1/2019 - 6/30/2019 Date Date 6.0 24.0 25.00% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
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ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
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The escalation factor for this project is: 100.00%

Contract No.: I-16-4286

Consultant: TERRA Engineering, Ltd.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 4,908.00Average
Hourly Rate: \$45.18Total Direct
Labor \$221,743.44Total
Estimated O/T
Hours: 120.00Average
Premium O/T
Hourly Rate: \$14.00Total Overtime
Premium: \$1,680.00

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	200.00		
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	580.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$70.00	\$70.00	620.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$48.00	\$48.00	718.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$36.00	\$36.00	700.00		
No	Engineer /Accountant	\$20.00	\$60.00	\$33.00	\$33.00	630.00		
No	Senior Technical Specialist	\$25.00	\$60.00	\$35.00	\$35.00	620.00		
Yes	Technical Specialist	\$15.00	\$50.00	\$28.00	\$28.00	600.00	14.00	120.00
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00	\$16.00	\$16.00	160.00		
No	Admin/Clerical	\$8.25	\$40.00	\$28.00	\$28.00	80.00		

Contract No.: I-16-4266

Consultant: TERRA Engineering, Ltd.

Date: 5/11/2017

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Executive Vice President	Jamil Bou-Saab	\$50 - \$70
Project Manager	Director of Transportation	Timothy W. Barry	\$40 - \$70
	Vice President	George Ghareeb	
	Associate Vice President	Eric Therkildsen	
	Survey Department Manager	Thomas Baumgartner	
	Structural Department Manager	Donald Bell	
	Site Department Manager	Danielle Kowalewski	
	Sr. Project Manager	David Landweer	
Senior Engineer/Planner	Sr. Structural Engineer	Kristen Fields	\$40 - \$70
	Sr. Structural Engineer	Patrick Hannemann	
	Sr. Structural Engineer	Orwin Youngquist	
	Project Manager	David Albers	
	Senior Engineer	Charleen Boudreau	
	Senior Engineer	Colin Coad	
	Senior Engineer	Michael Hutchinson	
	Senior Engineer	Curtis Laster	
	Senior Engineer	Felix Rubin	
	Senior Engineer	Christopher Vanatta	
Resident Engineer			\$40 - \$70
Project Engineer/Planner	Lead Engineer	Alexander Badaoui	\$25 - \$60
	Lead Engineer	Bernard Bolanowski	
	Lead Engineer	Kyle Chamberlain	
	Lead Engineer	Dustin Erickson	
	Lead Engineer	David Kasalko	
	Lead Engineer	Theresa Kubista	
	Lead Engineer	Christopher Miehle	
	Lead Engineer	Nikola Scekcic	
	Lead Engineer	Julie Schmidt	
Staff Engineer/Planner	Project Engineer	Neal Anderson	\$20 - \$40
	Project Engineer	Lindsey Burke	
	Project Engineer	Rund Daoud	
	Project Engineer	Samuel Grimes	
	Project Engineer	Jerry Hall	
	Project Engineer	Jason Heinekamp	
	Project Engineer	Mitchell Horras	
	Project Engineer	Suhaib Ibrahim	
	Project Engineer	Lindsey Jones	
	Project Engineer	Dovydas Kackys	

Contract No.: I-16-4266

Consultant:

TERRA Engineering, Ltd.

Date: 5/11/2017

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
	Project Engineer	Katherine Kenefake	
	Project Engineer	Stephen McCarthy	
	Project Engineer	Ahmad Nakafh	
	Project Engineer	Scott Rasmussen	
	Project Engineer	Brenna Roether	
	Project Engineer	Kelly Samara	
	GIS Analyst	Selena Hilton-Aragon	
Engineer /Accountant	Sr. Landscape Architect	Keven Graham	\$20 - \$60
	Landscape Architect	Brooke Davis	
	Landscape Architect	Tedd Lundquist	
	Landscape Architect Designer	Stephen Lekan	
	Landscape Architect Designer	William Prescott	
Senior Technical Specialist	Traffic Data Collector	Timothy Greenway	\$25 - \$60
	Traffic Data Collector	Joseph Hamilton	
	Traffic Data Collector	Kenneth Harlow	
	Traffic Data Collector	Michael Webb	
	Surveyor	Munif Kawash	
	Surveyor	Bradford McGuire	
	Surveyor	Dario Sanchez	
Technical Specialist	IT & Cadd Co-Manager	Bobby Mason	\$15 - \$50
	IT & Cadd Manager	Kurt Voigts	
	Cadd Drafter	Neil Garity	
	Cadd Drafter	Kelly Roberts	
	Cadd Drafter	Juan Salazar	
	Engineer Technician	Eid Alphonse	
	Engineer Technician	Mohammad Agilan	
	Engineer Technician	Evan Smith	
Architect			\$30 - \$70
Realty Specialists			\$20 - \$70
Intern	Intern	Matthew Moorehouse	\$8.25 - \$20
Admin/Clerical	Administrative Manager	Guat Hoon Lim	\$8.25 - \$40
	Administrative Associate	Michelle Campbell	
	Administrative Associate	Alexis Zgoda	
	Accountant	Iwona Bartosik	
	Marketing Coordinator	Adrian Jimenez	

Contract No.: I-16-4266 Consultant: TERRA Engineering, Ltd.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 2,438.37

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: TERRA Engineering, Ltd.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

TERRA Engineering, Ltd.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G
Contract No. RR-14-5704
TERRA Engineering, Ltd.
CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
CDB Project No. 816-010-038 / CDB Contract No. 13041310	GSU Roadway and Sewer Repair	\$191,896.00	\$42,030.98	Jun-17
D-30-001-14 / PTB 159-32	WO #11 Geotechnical duties as required	\$399,940.63	\$6,369.74	Dec-17
D-30-011-11 / PTB 159-32	WO #14 Geotechnical duties as required	\$293,440.38	\$293,440.80	Jun-18
D-91-279-12 / PTB 163-09	FAU 2857 (Ashland Avenue)	\$79,787.68	\$1,127.58	Jun-17
D-91-279-12 / PTB 163-09	US 20 Over West Branch DuPage River	\$348,633.90	\$7,846.79	Jun-17
D-91-279-12 / PTB 163-09	US 20 over Harmony Creek & Ditch 1.2-mile s/o I-90	\$178,359.75	\$40,683.44	Dec-17
P-93-036-11 / PTB 161-022	I-180 over IL River	\$119,657.50	\$21,959.03	Sep-17
P-93-036-11 / PTB 161-022	IL 116 over Rooks Creek	\$58,021.23	\$1,983.70	Jun-17
P-93-036-11 / PTB 161-022	US 45-52 over I-57 PTB161-022 WO #13	\$53,228.36	\$6,068.69	Jun-17
P-93-036-11 / PTB 161-022	I-57 over RR - PTB 161-022 WO #14	\$97,791.92	\$6,498.76	Jun-17
P-93-036-11 / PTB 161-022	I-180 Bridge 2 Lane Feasibility	\$52,099.19	\$26,785.29	Sep-17
P-93-036-11 / PTB 161-022	US45/52 over Rock Creek	\$66,910.60	\$32,442.89	Dec-17
P-93-036-11 / PTB 161-022	US 45 over Prairie Creek	\$68,037.37	\$51,994.30	Dec-17
P-30-003-14 / PTB 170-022	Truck Weight Study	\$413,041.00	\$272,345.82	Dec-17
HPR-66-001-16 / PTB 177-014	IDOT Traffic Counts 2016-2017	\$3,100,000.00	\$1,547,615.35	Dec-17
C-94-096-012 / PTB 180-012	FAP Route 669 (IL 116)	\$21,277.59	\$12,857.98	Dec-17
P-94-021-07 / PTB 144-23	Eastern Bypass Corridor Study / CSS Project	\$1,119,133.00	\$357,728.14	On-going
D-94-038-12 / PTB 163-25	New railroad bridge over IL 29 north of Chillicothe	\$312,124.73	\$268,626.53	On-going
D-94-097-07 / PTB 153-44	IL 29 Extension	\$207,362.59	\$117,332.78	Dec-17
D-94-132-06 / PTB 147-023	IL 17 over Edwards River	\$53,778.12	\$20,419.08	Jul-18
RR-15-9976R / PSB16-2	Traffic and Planning Studies	\$408,000.00	\$345,419.11	Dec-19
I-15-4658 / PSB15-2	EOWA, I-294 to I-9 Bensenville Yard Underpass. Phase II Engineering Services	\$6,769,676.00	\$6,587,960.00	Feb-21
RR-14-5704 / PSB14-3 Item 7	4243 - CUR - Tollway Construction upon Request	\$4,000,000.00	\$2,159,719.40	Dec-18
I-16-4257 / PSB16-1	I-16-4257, Environmental Studies Upon Request	\$150,000.00	\$150,000.00	Jul-21

Contract No.: 1-16-4266

Consultant: TERRA Engineering, Ltd.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1

Direct Labor	
Direct Costs	
Services by Others	
Additional Services **	
Total this Subconsultant (ULC)	\$ -

6

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

2

Direct Labor	
Direct Costs	
Services by Others	
Additional Services **	
Total this Subconsultant (ULC)	\$ -

7

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

3

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

8

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

4

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

9

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

5

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

10

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (Includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: TERRA Engineering, Ltd.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: The Roderick Group, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number: I-16-4266

Consultant: The Roderick Group, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS[illegible]

Rev. 6/2016

Version 15

Contract Number: I-16-4266

Consultant: The Roderick Group, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2018												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	207	207	207	207	207	207	207	207	207	207	207	207	2484
TOTALS	207	207	207	207	207	207	207	207	207	207	207	207	2484

Contract Number: I-16-4266

Consultant: The Roderick Group, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	207	207	207	207	207	207							1242
TOTALS	207	207	207	207	207	207							1242

Contract No.: I-16-4266

Consultant: The Roderick Group, Inc.

EXHIBIT B: FEE CALCULATIONS

A. DIRECT LABOR (without overtime)

<u>4,968.00</u>	X	<u>\$ 44.54</u>	=	TOTAL DIRECT SALARY	<u>\$ 221,274.72</u>
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

(Total Work Hours
from Exhibit C-2)

(Average Hourly
Rate from Exhibit
C-2)

Multiplier to be used on this project:

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	619,569.22
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B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$5,430.78
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -

TOTAL SERVICES BY OTHERS	\$	-
---------------------------------	-----------	----------

D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES \$ -
(Requires prior authorization before use)

(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 625,000.00
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Contract No.: I-16-4266

Consultant: The Roderick Group, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 3/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 2/28/2018 Date Date 8.0 24.0 33.33% Factor First Period	3/1/2018 - 2/28/2019 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	3/1/2019 - 6/30/2019 Date Date 4.0 24.0 16.67% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
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ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: The Roderick Group, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 4,968.00Average
Hourly Rate: \$44.54Total Direct
Labor \$221,274.72Total
Estimated O/T
Hours: 9.00Average
Premium O/T
Hourly Rate: \$21.17Total Overtime
Premium: \$190.53

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	12.00		
No	Project Manager	\$40.00	\$70.00	\$60.00	\$60.00	902.00		
Yes	Senior Engineer/Planner	\$40.00	\$70.00	\$50.00	\$50.00	902.00	25.00	3.00
No	Resident Engineer	\$40.00	\$70.00					
Yes	Project Engineer/Planner	\$25.00	\$60.00	\$45.00	\$45.00	1,570.00	22.50	3.00
Yes	Staff Engineer/Planner	\$20.00	\$40.00	\$32.00	\$32.00	1,570.00	16.00	3.00
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00					
No	Technical Specialist	\$15.00	\$50.00					
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00	\$25.00	\$25.00	12.00		

Contract No.: I-16-4266 **Consultant:** The Roderick Group, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

[illegible]

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)	\$	5,240.25
--	-----------	-----------------

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: The Roderick Group, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

The Roderick Group, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G**Contract No. I-16-4266****The Roderick Group, Inc.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
#1 ISTHA ITollway PMO		\$4,676,687.50	\$869,398.90	12/31/2017
PTB 169 #17 I55 & Weber Road, Phase II		\$246,903.00	\$2,445.23	12/31/2017
SB 13-04 #1 Tollway SUE		\$1,400,000.00	\$830,671.86	12/31/2018
1455 - 13465 CCDOTH - Touhy Ave		\$299,854.62	\$60,083.55	3/1/2018
3 ISTHA RR Tollway DUR		\$75,000.00	\$69,992.92	
I-15-4656 EOWA, I-294 to I-90 Design		\$489,999.79	\$489,999.79	3/1/2020
PTB 179 #19 IDOT CREATE		\$600,000.00	\$550,143.82	12/31/2020
PTB 179 #9 Circle Interchange		\$146,807.56	\$138,053.68	10/31/2018
	Phase II Engineering Support I-290 at Salt			
PTB 180 #3 Creek		\$275,000.00	\$272,873.84	3/1/2018
PTB 180 #6 Phase III I-55 Weber to Willow Springs Rd		\$234,000.00	\$191,253.80	10/1/2017

Contract No.: I-16-4266Consultant: The Roderick Group, Inc.**EXHIBIT H - SERVICES BY OTHERS**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor		8	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor		9	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor		10	Direct Labor	
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1

Direct Labor	
Direct Costs	
Services by Others	
Additional Services **	
Total this Subconsultant (ULC)	\$ -

2

Direct Labor	
Direct Costs	
Services by Others	
Additional Services **	
Total this Subconsultant (ULC)	\$ -

3

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

4

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

5

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

6

Direct Labor	
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

7

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

8

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

9

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

10

Direct Labor	\$ -
Direct Costs	\$ -
Services by Others	\$ -
Additional Services **	\$ -
Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Collins Engineers, Inc.

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Collins Engineers, Inc.

Grand Total Exhibit A Hours	1,464
------------------------------------	--------------

TOTAL HOURS	
-------------	--

TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services							61	61	61	61	61	61	366
TOTALS							61	61	61	61	61	61	366

Version 15

Contract Number: I-16-4266

Consultant: Collins Engineers, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2018												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	61	61	61	61	61	61	61	61	61	61	61	61	732
TOTALS	61	61	61	61	61	61	61	61	61	61	61	61	732

Contract Number: I-16-4266

Consultant: Collins Engineers, Inc.

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2019												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Planning Services	61	61	61	61	61	61							366
TOTALS	61	61	61	61	61	61							366

Contract No.: I-16-4266

Consultant: Collins Engineers, Inc.

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
 SCHEDULED START DATE: 7/1/2017
 RAISE DATE: 1/1/2018
 PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017	1/1/2018 - 12/31/2018	1/1/2019 - 6/30/2019		
Date Date	Date Date	Date Date	Date Date	Date Date
6.0	12.0	6.0		
24.0	24.0	24.0	24.0	24.0
25.00%	50.00%	25.00%		
Factor First Period	Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period

ESCALATION PER YEAR Year 6 through 10

Date Date	Date Date	Date Date	Date Date	Date Date
24.0	24.0	24.0	24.0	24.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266

Consultant: Collins Engineers, Inc.

Date: 5/11/2017

Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 1,464.00Average
Hourly Rate: \$60.82Total Direct
Labor \$89,040.48Total
Estimated O/T
Hours:Average
Premium O/T
Hourly Rate:Total Overtime
Premium:

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	120.00		
No	Project Manager	\$40.00	\$70.00	\$70.00	\$70.00	320.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$70.00	\$70.00	320.00		
No	Resident Engineer	\$40.00	\$70.00	\$70.00	\$70.00	28.00		
No	Project Engineer/Planner	\$25.00	\$60.00	\$60.00	\$60.00	300.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$40.00	\$40.00	140.00		
No	Engineer /Accountant	\$20.00	\$60.00	\$49.95	\$49.95	140.00		
No	Senior Technical Specialist	\$25.00	\$60.00	\$46.38	\$46.38	24.00		
No	Technical Specialist	\$15.00	\$50.00	\$39.75	\$39.75	24.00		
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00	\$18.47	\$18.47	24.00		
No	Admin/Clerical	\$8.25	\$40.00	\$32.38	\$32.38	24.00		

Contract No.: I-16-4266

Consultant: Collins Engineers, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	President	Daniel G. Cecchi	\$50 - \$70
	Vice President	Michael J. Garlich	
	Vice President	James M. Hamelka	
	Vice President	Daniel G. Stromberg	
Project Manager	E6	Patricia A. Donahue	\$40 - \$70
	E6	Bradley A. Syler	
	E6	Michael A. Haas	
	E6	Jason M. Schneider	
	E6	Jeremy W. Koonce	
Senior Engineer/Planner	E5	John C. Ashton	\$40 - \$70
	E5	Roy A. Forsyth	
	E5	Drew R. Garceau	
	E5	George E. Keck	
	E5	Ewa K. Mroczek	
	E5	Madhulika Raj	
	E5	Rachel A. Tranel	
	E5	Brian P. Dilworth	
	E4	Amber M. Seiber	
	E4	Lukas Janulis	
	E4	Michelle D. Koerbel	
	E4	Nicholas J. VanderZwan	
Resident Engineer	E6	Patricia A. Donahue	\$40 - \$70
Project Engineer/Planner	E3	Travis M. Franklin	\$25 - \$60
	E3	Joseph T. Heger	
	E3	Joseph P. Guerriero	
	E3	Marc B. Parker	
	E3	Timothy B. Walsh	
	E3	Jon M. Wittrock	
	E3	Piotr Sawulski	

Contract No.: I-16-4266

Consultant: Collins Engineers, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Staff Engineer/Planner	E2	Carolyn E. Kois	\$20 - \$40
	E2	Anastasia E. Kotsakis	
	E2	Zachary J. Tanner	
	E2	Raul A. Tejada	
	E2	Lin Yan	
	E2	Dritan K. Shehi	
	E2	Richard L. Raffin	
Engineer /Accountant	E1	Rachel M. Cortez	\$20 - \$60
	E1	Brandon J. Gillentine	
	E1	Jacob P. Green	
	E1	Oritseweyinmi J. Jemine	
	E1	Maribel Nieves	
	E1	Edgar L. Nunez	
	E1	Kevin M. Rice	
	E1	Karol M. Rybaltowski	
	E1	Michael J. Spencer	
	E1	Breanne M. Stromberg	
	E1	Kyle M. Von Holten	
Senior Technical Specialist	T3	James R. Bolster	\$25 - \$60
	D3	Patricia R. Haines	
	P1	Katherine A. Daley	
	D3	Denis Redzic	
	T2	Loretta J. Shumate	
	D2	Barbara L. Vogrig	
Technical Specialist	T1	Emily Navarrete	\$15 - \$50
Architect			\$30 - \$70
Realty Specialists			\$20 - \$70
Intern	Intern	Thomas Rice	\$8.25 - \$20
Admin/Clerical	C1	Laura A. Altman	\$8.25 - \$40

Contract No.: I-16-4266

Consultant: Collins Engineers, Inc.

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
	Project Administrator	Rita K. Bhatia	
	Project Administrator	Lisa A Gagel	
	Project Administrator	Carol A. Muhammad	
	Project Administrator	Debra Z. Thompson	

Contract No.: I-16-4266 Consultant: Collins Engineers, Inc.

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
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- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized) \$ 686.66

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: Collins Engineers, Inc.

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

Collins Engineers, Inc.

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G**Contract No. I-16-4266****Collins Engineers, Inc.****CURRENT OBLIGATIONS FOR PROJECT**

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
PTB 168/007	IDOT Various Design	\$1,500,000.00	\$20,000.00	9/1/2017
PTB 169/039	IDOT Various Underwater Bridge Inspection	\$600,000.00	\$60,000.00	1/1/2018
PTB 179/014	IDOT Various Underwater Bridge Inspection	\$600,000.00	\$600,000.00	12/31/2020
---	CDOT Lasalle Street Bridge	\$900,000.00	\$50,000.00	12/31/2017
---	CDOT Lake Street Bridge	\$250,000.00	\$20,000.00	9/1/2017
PTB 182/04	IDOT Various Design	\$1,000,000.00	\$1,000,000.00	12/31/2019

Contract No.: I-16-4266Consultant: Collins Engineers, Inc.**EXHIBIT H - SERVICES BY OTHERS**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) <u>\$ -</u>	6 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
2 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) <u>\$ -</u>	7 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
3 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	8 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
4 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	9 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>
5 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>	10 Direct Labor _____ Direct Costs <u>\$ -</u> Services by Others <u>\$ -</u> Additional Services ** <u>\$ -</u> Total this Subconsultant (ULC) <u>\$ -</u>

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -DBE/MBE/WBE Percentage of Total Fee (includes Additional Services) EXHIBIT "1"DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services) Version 16

Project No. I-16-4266Consultant: Collins Engineers, Inc.**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: Huff & Huff, Inc. a subsidiary of GZA

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: Huff & Huff, Inc. a subsidiary of GZA

Grand Total Exhibit A Hours	4,680
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Rev. 6/2016

Version 15

Consultant: Huff & Huff, Inc. a subsidiary of GZA

EXHIBIT 11 ESTIMATED TASK WORK HOURS

[illegible]

Consultant: Huff & Huff, Inc. a subsidiary of GZA

[illegible]

Consultant: Huff & Huff, Inc. a subsidiary of GZA

A. DIRECT LABOR (without overtime)

<u>4,680.00</u>	X	<u>\$ 37.20</u>	=	TOTAL DIRECT SALARY	<u>\$ 174,096.00</u>
(Total Work Hours from Exhibit C-2)		(Average Hourly Rate from Exhibit C-2)			

2.80

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

DIRECT REGULAR SALARY TIMES MULTIPLIER	\$	487,468.80
---	----	------------

(For Prime Consultant listed above.)

TOTAL DIRECT COSTS	\$12,531.20
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C. SERVICES BY OTHERS

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -

TOTAL SERVICES BY OTHERS	\$	-
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D. ADDITIONAL SERVICES (Prime Consultant)

(Requires prior authorization before use)

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES	\$	-
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(Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)	\$ 500,000.00
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Contract No.: I-16-4265
Date: 5/11/2017

Consultant: Huff & Huff, Inc. a subsidiary of GZA

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 3/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 2/28/2018 Date Date 8.0 24.0 33.33% Factor First Period	3/1/2018 - 2/28/2019 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	3/1/2019 - 6/30/2019 Date Date 4.0 24.0 16.67% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
--	---	---	---	--

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266Consultant: Huff & Huff, Inc. a subsidiary of GZADate: 5/11/2017Escalation Factor: 100.00%

(From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES**DIRECT COST
OVERTIME PREMIUM**Total
Estimated
Work Hours: 4,680.00Average
Hourly Rate: \$37.20Total Direct
Labor: \$174,096.00Total
Estimated O/T
Hours: _____Average
Premium O/T
Hourly Rate: _____Total Overtime
Premium: _____

Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00	\$54.31	\$54.31	300.00		
No	Project Manager	\$40.00	\$70.00	\$65.98	\$65.98	300.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$43.33	\$43.33	700.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$37.21	\$37.21	880.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$25.99	\$25.99	1,000.00		
No	Engineer /Accountant	\$20.00	\$60.00	\$39.03	\$39.03	100.00		
No	Senior Technical Specialist	\$25.00	\$60.00	\$33.60	\$33.60	900.00		
No	Technical Specialist	\$15.00	\$50.00	\$32.45	\$32.45	120.00		
No	Architect	\$30.00	\$70.00	\$51.05	\$51.05	100.00		
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00	\$18.28	\$18.28	200.00		
No	Admin/Clerical	\$8.25	\$40.00	\$27.04	\$27.04	80.00		

Contract No.: I-16-4268

Consultant: Huff & Huff, Inc. a subsidiary of GZA

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Principal	James Novak	\$50 - \$70
	Principal	Jeremy Reynolds	
Project Manager	Senior Consultant	James Huff	\$40 - \$70
	Senior Geotechnical Consultant	Pat Harrison	
	Senior PM II	Jane Harmon	
Senior Engineer/Planner	Senior Geologist PM	Linda Hutchins	\$40 - \$70
	Senior Engineering PM	Margaret Panatera	
	Senior Planning PM	Jamie Bents	
	Senior Planning PM	Richard Ray	
	Senior Scientist PM	Shane Cuplin	
	Senior Scientist PM	Alycia Klunenbergl	
	Senior Scientist PM	Evan Markowitz	
Resident Engineer			\$40 - \$70
Project Engineer/Planner	Engineering PM	Darryl Carstensen	\$25 - \$60
	Engineering PM	Timothy Kelly	
	Senior PM I	John Eisele	
	Senior PM I	Roger Kloczek	
	Scientist PM I	Gerry Trzupek	
	Assistant PM Engineer II	Lindsay Birt	
	Assistant PM Engineer I	Jill Connolly	
	Assistant PM Engineer I	Eric Stein	
	Senior Technical Scientist	Lailah Reich	
	Planning PM	Timothy Huff	
Staff Engineer/Planner	Assistant PM Scientist	Erin Hokanson	\$20 - \$40
	Assistant PM Scientist	Nikki Pisula	
	Environmental Scientist EI	Armondo Hermosillo	
	Environmental Scientist EI	Kevin Walsh	
	Engineer I	Cory Wilson	
Engineer /Accountant	Administrative Manager	Maureen Wunderlich	\$20 - \$60
Senior Technical Specialist	Senior Technical Specialist	Darren Greving	\$25 - \$60
Technical Specialist	Senior CADD Specialist	Horacio Chavez	\$15 - \$50
Architect	Landscape Architect	Jay Womack	\$30 - \$70
Realty Specialists			\$20 - \$70
Intern	Intern	Kevin Krause	\$8.25 - \$20
Admin/Clerical	Sr. Administrative Assistant	Sandy Troesch	\$8.25 - \$40
	Sr. Administrative Assistant	Laura DiMaggio	

Contract No.: I-16-4266 **Consultant:** Huff & Huff, Inc. a subsidiary of GZA

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. **VEHICLE REIMBURSEMENT - rate based on link below**
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- B. **ALLOWABLE DIRECT COSTS - based on link below**
http://www.illinoistollway.com/documents/10157/2389762/12_LG_TOLLWAY_XX_ALLOWABLEDIRECTCOSTS_10012013.PDF
- C. **ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:**

DIRECT COST CATEGORY[illegible]**TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)**

\$ 12,531.20

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: Huff & Huff, Inc. a subsidiary of GZA

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

Huff & Huff, Inc. a subsidiary of GZA

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

Huff & Huff, Inc. a subsidiary of GZA

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
RR-13-4151	EJM - DUR	130	62	2019
RR-13-5681	IEI - DUR	80	70	2019
I-16-4257	ISTHA - I-16-4257	5,000	4,852	2022
I-13-4622	Stanley - EOWA	105	21	2019
RR-14-4223	TranSystems - Tri-State	242	119	2019

Contract No.: I-16-4266

Consultant: Huff & Huff, Inc. a subsidiary of GZA

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services):

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services):

Project No. I-16-4266Consultant: Huff & Huff, Inc. a subsidiary of GZA**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name: JKJ Archeology LLC, dba Midwest
Archaeological Research Services

Contract Number: I-16-4266

Proposal Date: 5/11/2017

Exhibit Pointers Editable cells in each exhibit are underlined in red

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Consultant: JKL Archeology LLC, dba Midwest Archaeological Research Services

Grand Total Exhibit A Hours	864
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Version 15

Consultant: JKJ Archeology LLC, dba Midwest Archaeological Research Services

EXHIBIT A: ESTIMATED TASK WORK HOURS

[illegible]

Consultant: JKJ Archeology LLC, dba Midwest Archaeological Research Services

[illegible]

Version 15

Consultant: J K J Archeology LLC, dba Midwest Archaeological Research Services

Contract No.: I-16-4266

Consultant: JKJ Archeology LLC, dba Midwest Archaeological Research Services

Date: 5/11/2017

EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE

CONTRACT TERM: 24 No. OF MONTHS
SCHEDULED START DATE: 7/1/2017
RAISE DATE: 1/1/2018
PERCENT OF RAISE: 0%

ESCALATION PER YEAR Year 1 through 5

7/1/2017 - 12/31/2017 Date Date 6.0 24.0 25.00% Factor First Period	1/1/2018 - 12/31/2018 Date Date 12.0 24.0 50.00% Escalation Factor Second Period	1/1/2019 - 6/30/2019 Date Date 6.0 24.0 25.00% Escalation Factor Third Period	Date Date 24.0 Escalation Factor Fourth Period	Date Date 24.0 Escalation Factor Fifth Period
---	--	---	---	--

ESCALATION PER YEAR Year 6 through 10

Date Date 24.0 Escalation Factor Sixth Period	Date Date 24.0 Escalation Factor Seventh Period	Date Date 24.0 Escalation Factor Eighth Period	Date Date 24.0 Escalation Factor Ninth Period	Date Date 24.0 Escalation Factor Tenth Period
--	--	---	--	--

The escalation factor for this project is: 100.00%

Contract No.: I-16-4266
 Date: 5/11/2017

Consultant: JKJ Archeology LLC, dba Midwest Archaeological Research Services
 Escalation Factor: 100.00%
 (From Exhibit C-1)

EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES							DIRECT COST OVERTIME PREMIUM	
Total Estimated Work Hours: <u>864.00</u> Average Hourly Rate: <u>\$30.81</u> Total Direct Labor: <u>\$26,619.84</u>							Total Estimated O/T Hours: _____ Average Premium O/T Hourly Rate: _____ Total Overtime Premium: _____	
Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Escalated Average Hourly Rate for Classification (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to Right)	Estimated Overtime Hours (Overtime Hours Only) (See Note D to Right)
No	Principal	\$50.00	\$70.00					
No	Project Manager	\$40.00	\$70.00	\$41.00	\$41.00	345.00		
No	Senior Engineer/Planner	\$40.00	\$70.00					
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner	\$25.00	\$60.00	\$25.00	\$25.00	319.00		
No	Staff Engineer/Planner	\$20.00	\$40.00					
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00	\$25.00	\$25.00	100.00		
No	Technical Specialist	\$15.00	\$50.00	\$20.00	\$20.00	100.00		
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00					

Contract No.: I-16-4266

Consultant: J K J Archeology LLC, dba Midwest Archaeological Research Services

Date: 5/11/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

[illegible]

**JKJ Archeology LLC, dba Midwest
Archaeological Research Services**

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- <http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.asp>

Floral Analysis

Faunal Analysis

Radio Carbon Dating

\$ 464.45

ALLOWABLE DIRECT COSTS

10.01.2013

Effective for contracts awarded on or after October 1, 2013, the following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach Rate with 2 weeks advance purchase
Vehicles	
Mileage	State Rate* (Maximum)
Vehicle Rental	\$55/day (Maximum)
Leased / Company-Owned Vehicles (does not include personal vehicles, not owned by the company)	\$65/day
Vehicle Half-day Rate	\$32.50/half day
Parking	Actual Cost
Tolls	Actual Cost
Overtime	Premium portion
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific Insurance – required for project	Actual Cost
CADD	Actual Costs (Maximum of \$15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Rendering & AV Equipment/Transcriptions	Actual Cost
Recording Fees	Actual Cost
Courthouse Fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates
<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx>
- **Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

Contract No.: I-16-4266

Consultant: JKJ Archeology LLC, dba Midwest
Archaeological Research Services

EXHIBIT E - KEY PROJECT PERSONNEL

Project Principal: _____

Project Manager: _____

Project Engineer: _____

Resident Engineer: _____

Documentation Engineer: _____

Project Civil Engineer: _____

Project Structural Engineer: _____

Project Drainage Engineer: _____

Senior Engineer: _____

Others: Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

Name: _____

Classification: _____

EXHIBIT F

CONTRACT I-16-4266

JKJ Archaeology LLC, dba Midwest Archaeological Research Services

SCOPE OF SERVICES

The scope of work consists of providing Phase I Engineering and Environmental Services for the Illinois Route 53 / Illinois Route 120 project. This work will be performed via work tasks as directed and authorized by the Tollway in accordance with the Tollway's Design Section Engineer's Manual and Environmental Studies Manual, dated March 2016 and March 2015, respectively, as amended by the Tollway, as well as IDOT's BDE Manual for the preparation of an EIS. Such work may include but is not limited to:

1. Planning activities, including travel demand modeling for the existing condition, design year, and no-build condition; alternatives development; evaluation of the travel performance of the build alternatives; and evaluation of funding and financing mechanisms for the project;
2. Environmental analyses, including collection and compilation of environmental data from both published and field sources; evaluation of the environmental, socio-economic, and land use effects of the reasonable range of alternatives identified for the project; and preparation of an Environmental Impact Statement, including the development of a Purpose and Need, Alternatives Analysis, etc., subject to the requirements of the National Environmental Policy Act (NEPA);
3. Engineering tasks, including preparation of conceptual engineering studies for alternatives, and evaluation of other engineering treatments;
4. Public and agency involvement activities, including meetings, publications, and other forms of outreach with the general public, resource and regulatory agencies, municipal and county governments, and other interested parties; and
5. Project management and administration.

EXHIBIT G

Contract No. I-16-4266

JKJ Archeology LLC, dba Midwest Archaeological Research Services

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
1797	Archaeological Survey for Cellular	\$1,200.00	\$1,200.00	6/30/2017

Contract No.: I-16-4266

Consultant: JKJ Archeology LLC, dba Midwest Archaeological Research Services

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DBE/MBE/WBE SUBCONSULTANTS

1 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	6 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
2 Direct Labor _____ Direct Costs _____ Services by Others _____ Additional Services ** _____ Total this Subconsultant (ULC) \$ -	7 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
3 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	8 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
4 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	9 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -
5 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -	10 Direct Labor _____ Direct Costs \$ - Services by Others \$ - Additional Services ** \$ - Total this Subconsultant (ULC) \$ -

** Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services) **EXHIBIT "1"**

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services)

Project No. I-16-4266Consultant: JKJ Archeology LLC, dba Midwest Archaeological Research Services**EXHIBIT H - SERVICES BY OTHERS (continued)**

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1	Direct Labor		6	Direct Labor	
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
2	Direct Labor		7	Direct Labor	\$ -
	Direct Costs			Direct Costs	\$ -
	Services by Others			Services by Others	\$ -
	Additional Services **			Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
3	Direct Labor	\$ -	8	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
4	Direct Labor	\$ -	9	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -
5	Direct Labor	\$ -	10	Direct Labor	\$ -
	Direct Costs	\$ -		Direct Costs	\$ -
	Services by Others	\$ -		Services by Others	\$ -
	Additional Services **	\$ -		Additional Services **	\$ -
	Total this Subconsultant (ULC)	\$ -		Total this Subconsultant (ULC)	\$ -

** Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -