

10/27/16

6.3/8

RESOLUTION NO. 21155

**Background**

The Illinois State Toll Highway Authority (the "Tollway"), pursuant to Resolution No. 19897 approved February 28, 2013 entered into an Agreement with V3 Companies of Illinois, Ltd. / T.Y. Lin International Great Lakes, Inc. (JV) on Contract I-12-4082 for Construction Management Services for I-290 / IL Route 53 Ramps and Corridor Construction Management Services, on the Illinois Route 390 Tollway.

Per Tollway request, V3 Companies of Illinois, Ltd. / T.Y. Lin International Great Lakes, Inc. (JV) has submitted a proposal to provide Supplemental Construction Management for Contract I-12-4082, increasing the contract upper limit by \$1,200,000.00, from \$30,108,000.00 to \$31,308,000.00. It is necessary and in the best interest of the Tollway to accept the proposal from V3 Companies of Illinois, Ltd. / T.Y. Lin International Great Lakes, Inc. (JV).

**Resolution**

The Chief Engineer is authorized to negotiate a Supplemental Agreement with V3 Companies of Illinois, Ltd. / T.Y. Lin International Great Lakes, Inc. (JV) consistent with the aforementioned proposal to increase the contract upper limit by \$1,200,000.00, subject to the approval of the General Counsel. The Chairman or the Executive Director is authorized to execute the Agreement and the Chief of Finance is authorized to issue warrants in payment thereof.

Approved by

A large black rectangular redaction box covers the signature area of the Chairman.

Chairman

I-12-4082

# Unified Certification Program - Search

**Contractor Details**

Browse F.A.Q. Sheet (/UCP/Search/Help)

[Print](#)**AAA Engineering,  
Ltd.**

Rachel Borenstein  
4323 W. Irving Pk. Rd.,  
Ste. 100  
Chicago, IL 60641

**County:** Cook**Email:** rborenstein@aaaengineering.net**Phone:** (773) 657-3300**Fax:** (773) 657-3330**Categories:** Architecture\Engineering, Professional**NAICS**541330-Engineering  
Services541690-Other Scientific &  
Technical Consulting541712-Research and  
Development in the  
Physical, Engineering**Speciality**541330- LIGHTING:  
TYPICALMECHANICAL  
ENGINEERINGELECTRICAL  
ENGINEERING541690- TECHNICAL  
TRAINING

541712- RESEARCH

# Unified Certification Program - Search

**Contractor Details**

Browse F.A.Q. Sheet (/UCP/Search/Help)

Print

## Interra, Inc.

Sudhakar Rao  
Doppalapudi  
600 Territorial Dr., Ste. G  
Bolingbrook, IL 60440-  
5132

**County:** DuPage

**Email:** dsrao@interraservices.com

**Phone:** (630) 754-8700

**Fax:** (630) 754-8705

**Categories:** Architecture\Engineering, Professional

### NAICS

541330-Engineering  
Services

541360-Geophysical  
Surveying & Mapping  
Services

541380-Testing  
Laboratories

### Speciality

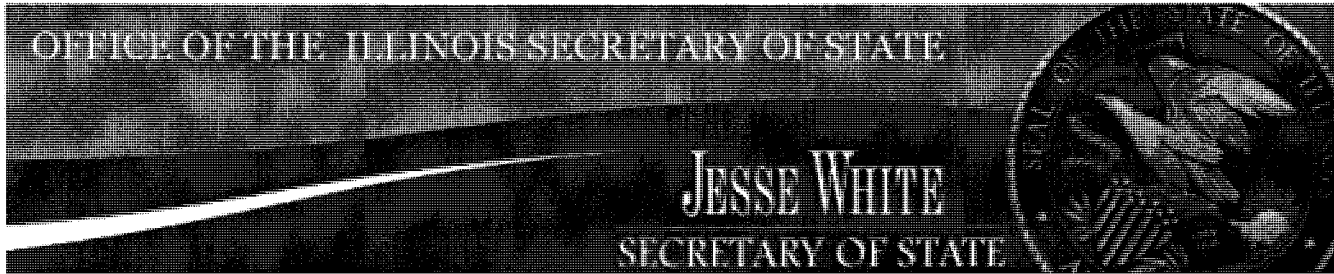
541330- AERONAUTICS:  
CONSTRUCTION INSPECTION

QA AGGREGATE/HMA/PCC  
QA HMA & AGGREGATE  
CONSTRUCTION INSPECTION

541360- GENERAL  
GEOTECHNICAL SERVICES  
SUBSURFACE EXPLORATIONS  
STRUCTURE GEOTECHNICAL  
REPORTS

541380- MISC: MATERIAL  
TESTING

I-12-4082



## CORPORATION FILE DETAIL REPORT

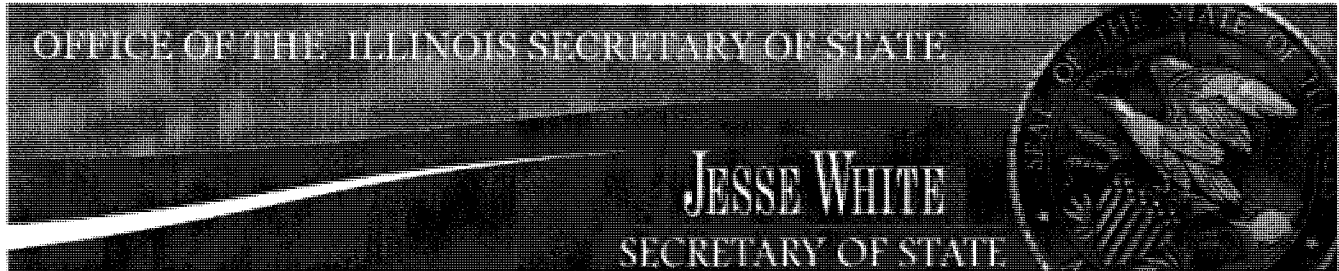
File Number	53203787		
Entity Name	V3 COMPANIES OF ILLINOIS LTD.		
Status	ACTIVE		
Entity Type	CORPORATION	Type of Corp	DOMESTIC BCA
Incorporation Date (Domestic)	09/13/1983	State	ILLINOIS
Agent Name	JOHN M WIORA	Agent Change Date	07/31/2008
Agent Street Address	7325 JANES AVE	President Name & Address	ROBIN L PETROELJE 32 WINDSOR DR ELMHURST, IL 60126
Agent City	WOODRIDGE	Secretary Name & Address	LOUIS J GALLUCCI 3736 SUNBURST LN NAPERVILLE, IL 60564
Agent Zip	60517	Duration Date	PERPETUAL
Annual Report Filing Date	08/29/2016	For Year	2016
Assumed Name	ACTIVE - V3 CONSULTANTS INACTIVE - V3 INFRASTRUCTURE SERVICES, LTD. ACTIVE - V3 COMPANIES OF ILLINOIS		
Old Corp Name	09/16/1998 - SDI CONSULTANTS, LTD. 12/18/2000 - SDI CONSULTANTS, LTD. OF ILLINOIS 02/17/2005 - V3 CONSULTANTS, LTD. OF ILLINOIS		

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(One Certificate per Transaction)

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I-12-4082



## CORPORATION FILE DETAIL REPORT

File Number	53267416		
Entity Name	T.Y. LIN INTERNATIONAL GREAT LAKES INC.		
Status	ACTIVE		
Entity Type	CORPORATION	Type of Corp	DOMESTIC BCA
Incorporation Date (Domestic)	11/14/1983	State	ILLINOIS
Agent Name	C T CORPORATION SYSTEM	Agent Change Date	01/07/2002
Agent Street Address	208 SO LASALLE ST, SUITE 814	President Name & Address	ALVARO J PIEDRAHITA 345 CALIFORNIA ST. #2300 SF, CA 94104
Agent City	CHICAGO	Secretary Name & Address	ROBERT A PETERSON 14390 W WYCOMBE CT GREEN OAKS 60048
Agent Zip	60604	Duration Date	PERPETUAL
Annual Report Filing Date	00/00/0000	For Year	2016
Old Corp Name	12/11/1992 - BASCOR, INC. 03/14/2001 - T.Y. LIN INTERNATIONAL BASCOR INC.		

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[Purchase Certificate of Good Standing](#)
**(One Certificate per Transaction)**
[BACK TO CYBERDRIVEILLINOIS.COM HOME PAGE](#)

I-12-4082

**Nava, Elvia**

---

**From:** Nash, Janiqua V  
**Sent:** Thursday, October 20, 2016 11:08 AM  
**To:** Nava, Elvia  
**Subject:** V3 Companies Of Illinois Ltd. [REDACTED]

OCIS CICIOCP1                      OFFSET CONTRACT INQUIRY                      11:05 10/20/16

ACTION: S

VENDOR NUMBER= \*\*\* [REDACTED]                      OFFSET: 00 OF 00  
VENDOR NAME: \* [REDACTED]  
CLAIMING AGENCY NUMBER: \*  
CLAIMING AGENCY NAME: \*  
CLAIMING AGENCY PHONE NUMBER: \*

DISCLAIMER:  
AS OF 10/20/16 AT 11:08 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER \* [REDACTED] . PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

\*

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

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I-12-4082

Nava, Elvia

From: Nash, Janiqua V  
Sent: Thursday, October 20, 2016 11:09 AM  
To: Nava, Elvia  
Subject: T.Y. Lin International Great Lakes, Inc.



OCIS CICIOCP1                      OFFSET CONTRACT INQUIRY                      11:05 10/20/16

ACTION: S

VENDOR NUMBER= \*\*\*\* [REDACTED]                      OFFSET: 00 OF 00

VENDOR NAME: \*

CLAIMING AGENCY NUMBER: \*

CLAIMING AGENCY NAME: \*

CLAIMING AGENCY PHONE NUMBER: \*

DISCLAIMER:

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Nava, Elvia

I-12-4082

**From:** Nash, Janiqua V  
**Sent:** Thursday, October 20, 2016 11:09 AM  
**To:** Nava, Elvia  
**Subject:** AAA Engineering, Ltd. [REDACTED]

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

11:05 10/20/16

ACTION: S

VENDOR NUMBER= \*\*\* [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: \*

CLAIMING AGENCY NUMBER: \*

CLAIMING AGENCY NAME: \*

CLAIMING AGENCY PHONE NUMBER: \*

DISCLAIMER:

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I-12-4082

**Nava, Elvia**

---

**From:** Nash, Janiqua V  
**Sent:** Thursday, October 20, 2016 11:10 AM  
**To:** Nava, Elvia  
**Subject:** CH2M Hill Inc. [REDACTED]

OCIS CICIOCP1                      OFFSET CONTRACT INQUIRY                      11:05 10/20/16

ACTION: S

VENDOR NUMBER= \*\*\*\* [REDACTED]                      OFFSET: 00 OF 00  
VENDOR NAME: \*  
CLAIMING AGENCY NUMBER: \*  
CLAIMING AGENCY NAME: \*  
CLAIMING AGENCY PHONE NUMBER: \*

DISCLAIMER:  
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Nava, Elvia

I-12-4082

**From:** Nash, Janiqua V  
**Sent:** Thursday, October 20, 2016 11:09 AM  
**To:** Nava, Elvia  
**Subject:** Interra Inc. [REDACTED]

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

11:05 10/20/16

ACTION: S

VENDOR NUMBER= \*\*\*\* [REDACTED]

OFFSET: 00 OF 00

VENDOR NAME: \*

CLAIMING AGENCY NUMBER: \*

CLAIMING AGENCY NAME: \*

CLAIMING AGENCY PHONE NUMBER: \*

DISCLAIMER:

AS OF 10/20/16 AT 11:09 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER \*\*\*\* [REDACTED] PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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CONSTRUCTION MANAGER  
JOINT VENTURE  
FIRST SUPPLEMENTAL AGREEMENT

The Board of Directors, on the 27<sup>th</sup> day of **October, 2016**, authorized this **FIRST SUPPLEMENTAL 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 **V3 COMPANIES OF ILLINOIS, LTD / T.Y. LIN INTERNATIONAL GREAT LAKES, INC. JV** authorized and existing within the laws of the State of Illinois, hereinafter sometimes referred to as "CONSTRUCTION MANAGER".

W I T N E S S E T H:

WHEREAS, the TOLLWAY selected CONSTRUCTION MANAGER from **PSB 12-5, Item 6**, and CONSTRUCTION MANAGER entered into an agreement on **February 28, 2013**, to provide construction management services (hereinafter "Services") for Contract No. **I-12-4082** for **Elgin O'Hare Western Access, Corridor and Construction Management I-290 / IL Route 53 Ramps**; and

WHEREAS, additional supplemental Services are necessary due to the increased scope of the work; and

WHEREAS, CONSTRUCTION MANAGER has submitted a proposal dated **October 3, 2016**, a copy of which is attached hereto as Exhibit "1", to provide said additional Services, and it is in the best interest of the TOLLWAY to accept said proposal.

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

ARTICLE I

General Provisions

Except as modified or changed herein, all terms, provisions and conditions contained in the original agreement between the TOLLWAY and the CONSTRUCTION MANAGER dated **February 28, 2013** ("Original Agreement") and commonly referred to as Contract No. **I-12-4082** and any prior supplements, shall govern this agreement and be in full force and effect, however, any changes to multipliers, unit costs, prices and/or rates of compensation shall only be applied to Services rendered solely under this Supplement pursuant to changes in the scope of work. The supplemental proposal attached as Exhibit "1" is hereby incorporated into and made a part of this **FIRST Supplemental Agreement**.

## ARTICLE II

### Time of Performance

The CONSTRUCTION MANAGER shall perform the services herein in accordance with the schedule included at Exhibit "A" in the attached proposal.

## ARTICLE III

### Reaffirmation of Original Agreement

All covenants and agreements contained in the Original Agreement made and entered into by and between the TOLLWAY and CONSTRUCTION MANAGER and any and all prior Supplemental Agreements, if any, to provide Services for Contract No. **I-12-4082 for Elgin O'Hare Western Access, Corridor and Construction Management I-290 / IL Route 53 Ramps** are reaffirmed and shall govern this Agreement as if fully set forth herein, it being the intent that this Agreement shall be a supplement to said agreement(s).

## ARTICLE IV

### 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER's place of business in order to audit the records. If they are not produced in a timely manner by the CONSTRUCTION MANAGER, then the CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the CONSTRUCTION MANAGER'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 CONSTRUCTION MANAGER or its subcontractors. The CONSTRUCTION MANAGER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the CONSTRUCTION MANAGER, whether those funds are due under this contract or other contracts to which the CONSTRUCTION MANAGER is a party either directly with the TOLLWAY or as a subcontractor. In the event the CONSTRUCTION MANAGER fails or refuses to reimburse the TOLLWAY for an overpayment, the CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER fails to comply with these requirements, the CONSTRUCTION MANAGER may be disqualified or suspended from bidding on or working on future contracts.

## ARTICLE VI

### Compensation

The upper limit of compensation for said supplemental Services for Contract No. **I-12-4082 for Elgin O'Hare Western Access, Corridor and Construction Management I-290 / IL Route 53 Ramps** performed by the CONSTRUCTION MANAGER under the Original Agreement and including the services set forth herein, is hereby increased from **\$ 30,108,000.00 by \$ 1,200,000.00 to \$ 31,308,000.00**.

## ARTICLE VII

### Report of a Change in Circumstances

The CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER'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 CONSTRUCTION MANAGER's Certification/Disclosure Forms, the CONSTRUCTION MANAGER's IDOT pre-qualification, or any certification or licensing required for this project. Additionally, the CONSTRUCTION MANAGER agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the CONSTRUCTION MANAGER, 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.

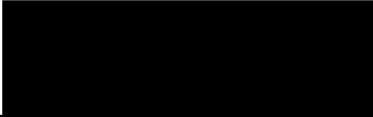
Further, the CONSTRUCTION MANAGER agrees to incorporate substantially similar reporting requirements into the terms of any and all subcontracts relating to work performed under this agreement. The CONSTRUCTION MANAGER agrees to forward or relay to the Tollway any reports received from subcontractors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


Finally, the CONSTRUCTION MANAGER acknowledges and agrees that the failure of the CONSTRUCTION MANAGER 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 **FIRST SUPPLEMENTAL AGREEMENT** for I-12-4082 the day and year first above written.

THE ILLINOIS STATE TOLL  
HIGHWAY AUTHORITY


V3 COMPANIES OF ILLINOIS, LTD. /  
TY LIN INTERNATIONAL  
GREAT LAKES INC. IV


By  12/13/16  
Chair/Executive Director-Signature Date  
Robert Schillerstrom/Greg Bedalov

  
President-Signature Date  
V3 Companies of Illinois, Ltd.

Robin L. Petrochic  
Printed Name as Signed Above

APPROVED:  
 12/8/16  
Chief of Finance - Signature Date  
Michael Colsch

  
President-Signature Date  
TY Lin International Great Lakes, Inc.

APPROVED:  
 12/6/16  
General Counsel - Signature Date  
David Goldberg

Heather Gaffney 10/12/16  
Printed Name as Signed Above

Approved as to Form and Constitutionality

 12-5-2016  
Attorney General, State of Illinois - Robert Lane - Signature Date

**PROPOSAL  
TO THE  
ILLINOIS STATE TOLL HIGHWAY AUTHORITY  
FOR SUPPLEMENTAL CONSTRUCTION MANAGER'S SERVICES  
FOR CONTRACT NO. I-12-4082**

This proposal, dated October 3, 2016, is submitted by  
V3 Companies of Illinois, Ltd./TY Lin International Great Lakes, Inc., JV of  
(Firm Name)  
Woodridge, Illinois for Construction Manager's Service.  
(City & State)

**LOCATION OF CONSTRUCTION SECTION**

The location of the construction Contract I-12-4082 for which we  
propose to provide Construction Manager Services is from  
US Route 20 to IL Route 83 on the Elgin O'Hare Western Access  
Tollway(s) in Cook and DuPage County (Counties), Illinois.

**REAFFIRMATION OF ORIGINAL AGREEMENT**

All terms of the original agreement and any amendments thereto are hereby reaffirmed  
except as herein modified.

**SCOPE OF SUPPLEMENTAL CONSTRUCTION MANAGER SERVICES**

The Supplemental Engineering Services, more fully detailed in *Exhibit F*, attached  
hereto, will be executed in conformance with the terms contained in the original  
agreement for Construction Manager's Services except where herein modified.



FEE PROPOSAL

The CONSTRUCTION MANAGER shall be compensated for these Supplemental Engineering Services on the following basis:

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

PAYROLL COSTS AND MULTIPLIER

During the course of the project, compensation shall be equal to Actual Direct Salary 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 Salary” shall be reimbursed only for actual payroll costs paid to individuals employed directly by the CONSTRUCTION MANAGER, 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.”

AGREEMENT LIMITS

The following limits contained in the existing agreement are amended as follows:

The Upper Limit Compensation shall be increased

from \$ 30,108,000.00 by \$ 1,200,000.00 to \$ 31,308,000.00

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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER's place of business in order to audit the records. If they are not produced in a timely manner by the CONSTRUCTION MANAGER, then the CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the CONSTRUCTION MANAGER'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 CONSTRUCTION MANAGER or its subcontractors. The CONSTRUCTION MANAGER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the CONSTRUCTION MANAGER, whether those funds are due under this contract or other contracts to which the CONSTRUCTION MANAGER is a party either directly with the TOLLWAY or as a subcontractor. In the event the CONSTRUCTION MANAGER fails or refuses to reimburse the TOLLWAY for an overpayment, the CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER 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 CONSTRUCTION MANAGER fails to comply with these requirements, the CONSTRUCTION MANAGER may be disqualified or suspended from bidding on or working on future contracts.

### INVOICES

INVOICES will be submitted monthly on forms provided to the CONSTRUCTION MANAGER 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 31<sup>st</sup> must be submitted to the TOLLWAY no later than February 28<sup>th</sup> of the subsequent year. The CONSTRUCTION MANAGER expressly acknowledges that the TOLLWAY, at its discretion, reserves the right not to honor any delinquent INVOICE if the CONSTRUCTION MANAGER fails to obtain prior written approval from the Chief Engineer for an alternative INVOICE submission date. CONSTRUCTION MANAGER will request such approval or an INVOICE submittal extension no later than February 15<sup>th</sup>.

### PARTIAL PAYMENTS

Partial payments to the CONSTRUCTION MANAGER shall be made in accordance with the terms of the original agreement except that reference to the Total Estimated Fee and Upper Limit of Compensation, shall be interpreted to be the Amended Total Estimated Fee and Amended Upper Limit of Compensation, respectively.

### REVISIONS TO SUPPLEMENTAL SCOPE OF WORK

The scope of supplemental work shall be as detailed in **Exhibit F**. All requirements of REVISIONS TO SCOPE OF WORK contained in the original agreement for services shall apply to this supplemental work as well.

**THIS PROPOSAL FOR CONSTRUCTION MANAGER'S ENGINEERING SERVICES  
FOR**

CONTRACT NUMBER I-12-4082

SUBMITTED BY:

FIRM NAME: V3 Companies of Illinois, Ltd./ TY Lin International Great Lakes, Inc. JV

ADDRESS: 7325 Janes Avenue

CITY, STATE: Woodridge, Illinois

TELEPHONE: 630-724-9200

FACSIMILE: 630-724-9202

SIGNED BY: 

PRINTED NAME: Tomas Valaitis

TITLE: Executive Vice President



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/28/2016

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).

<b>PRODUCER</b> Willis of Illinois, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	<b>CONTACT NAME:</b> PHONE (A/C No. Ext): 1-877-945-7378 FAX (A/C No.): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> v3 Companies of Illinois, Ltd. 7325 Janes Ave, Ste 100 Woodridge, IL 60517	<b>INSURER A:</b> Charter Oak Fire Insurance Company	<b>NAIC #</b> 25615
	<b>INSURER B:</b> Travelers Indemnity Company	25658
	<b>INSURER C:</b> Standard Fire Insurance Company	19070
	<b>INSURER D:</b> Berkley Insurance Company	32603
	<b>INSURER E:</b> <b>INSURER F:</b>	

**COVERAGES**      **CERTIFICATE NUMBER:** W1645208      **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	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	Y		6807248L283	01/01/2016	01/01/2017	EACH OCCURRENCE \$ 1,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000	
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTIONS \$10,000			CUP8094Y744	01/01/2016	01/01/2017	EACH OCCURRENCE \$ 5,000,000	
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						AGGREGATE \$ 5,000,000	
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	Y	UB4529T121	01/01/2016	01/01/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER
	Professional Liability							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			AEC-9009057-00	01/01/2016	01/01/2017	\$5,000,000 Per Claim \$10,000,000 Aggregate \$200,000 Ded	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Project I-12-4082 FTB12-5.

Additional Insured-General Liability: Illinois State Toll Highway Authority, TY Lin International Great Lakes, Inc.; V3 Companies of Illinois, Ltd./TY Lin International Great Lakes, Inc. JV

### CERTIFICATE HOLDER

Illinois State Toll Highway Authority  
 2700 Ogden Avenue  
 Downers Grove, IL 60515

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



AGENCY CUSTOMER ID: \_\_\_\_\_

LOC #: \_\_\_\_\_



### ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Willis of Illinois, Inc.		NAMED INSURED V3 Companies of Illinois, Ltd. 7325 Janes Ave, Ste 100 Woodridge, IL 60517	
POLICY NUMBER See Page 1		EFFECTIVE DATE: See Page 1	
CARRIER See Page 1	NAIC CODE See Page 1		

**ADDITIONAL REMARKS**

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Waiver of Subrogation applies in favor of Additional Insureds with respects to Workers Compensation as permitted by law.

## COMMERCIAL GENERAL LIABILITY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

## BLANKET ADDITIONAL INSURED (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:  
COMMERCIAL GENERAL LIABILITY COVERAGE PART

**A. The following is added to WHO IS AN INSURED (Section II):**

Any person or organization that you agree in a "contract or agreement requiring insurance" to include as an additional insured on this Coverage Part, but only with respect to liability for "bodily injury", "property damage" or "personal injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- a. In the performance of your ongoing operations;
- b. In connection with premises owned by or rented to you; or
- c. In connection with "your work" and included within the "products-completed operations hazard".

Such person or organization does not qualify as an additional insured for "bodily injury", "property damage" or "personal injury" for which that person or organization has assumed liability in a contract or agreement.

The insurance provided to such additional insured is limited as follows:

- d. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this Coverage Part.
- e. This insurance does not apply to the rendering of or failure to render any "professional services".
- f. The limits of insurance afforded to the additional insured shall be the limits which you agreed in that "contract or agreement requiring insurance" to provide for that additional insured, or the limits shown in the Declarations for this Coverage Part, whichever are less. This endorsement does not increase the limits of insurance stated in the LIMITS OF

**INSURANCE (Section III) for this Coverage Part.**

**B. The following is added to Paragraph a. of 4. Other Insurance in COMMERCIAL GENERAL LIABILITY CONDITIONS (Section IV):**

However, if you specifically agree in a "contract or agreement requiring insurance" that the insurance provided to an additional insured under this Coverage Part must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such additional insured which covers such additional insured as a named insured, and we will not share with the other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal injury" for which coverage is sought arises out of an offense committed;

after you have entered into that "contract or agreement requiring insurance". But this insurance still is excess over valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the insured when the insured is an additional insured under any other insurance.

**C. The following is added to Paragraph 8. Transfer Of Rights Of Recovery Against Others To Us in COMMERCIAL GENERAL LIABILITY CONDITIONS (Section IV):**

We waive any rights of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal injury" arising out of "your work" performed by you, or on your behalf, under a "contract or agreement requiring insurance" with that person or organization. We waive these rights only where you have agreed to do so as part of the "contract or agreement requiring insurance" with such person or organization entered into by you before, and in effect when, the "bodily

COMMERCIAL GENERAL LIABILITY

injury" or "property damage" occurs, or the "personal injury" offense is committed.

**D. The following definition is added to DEFINITIONS (Section V):**

"Contract or agreement requiring insurance" means that part of any contract or agreement under which you are required to include a person or organization as an additional insured on this Cov-

erage Part, provided that the "bodily injury" and "property damage" occurs, and the "personal injury" is caused by an offense committed:

- a. After you have entered into that contract or agreement;
- b. While that part of the contract or agreement is in effect; and
- c. Before the end of the policy period.



**TRAVELERS**  
ONE TOWER SQUARE  
HARTFORD, CT 06183

**WORKERS COMPENSATION  
AND  
EMPLOYERS LIABILITY POLICY  
ENDORSEMENT WC 00 03 13 (00)-01**

POLICY NUMBER: (XC-UB-4529T121)

**WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT**

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

**SCHEDULE**

**DESIGNATED PERSON:**

**DESIGNATED ORGANIZATION:**

ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS  
AGREED BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH  
THIS WAIVER.

DATE OF ISSUE: 12-09-15

ST ASSIGN:

## Notice of Cancellation to Certificate Holder(s) Endorsement

In consideration of the premium paid for this Policy, it is understood and agreed that Section VII, Conditions, H. Notice of Cancellation, is amended by adding the following provision:

In the event this Policy is to be cancelled by you or by us, we agree to give thirty (30) days prior notice to the certificate holder(s) with mailing addresses on file with the agent of record.

This provision does not apply if cancellation is due to nonpayment of premiums to us or to a finance company authorized to cancel this Policy.

Any notification rights provided by this endorsement apply only to active certificate holder(s) who were issued a certificate of insurance applicable to the **Policy Period** stated in Declarations, Item 2.

Failure to provide such notice to the certificate holder(s) will not amend or extend the date the cancellation becomes effective, nor will it negate cancellation of the policy. Failure to send notice shall impose no liability of any kind upon us or our agents or representatives.

Whenever printed in this Endorsement, the boldface type terms shall have the same meanings as indicated in the Policy Form. All other provisions of the Policy remain unchanged.

Insured V3 Companies Ltd.	Policy Number AEC-9009057-00
Effective Date of This Endorsement 01/01/2016	Authorized Representative

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**EARLIER NOTICE OF CANCELLATION/NONRENEWAL  
PROVIDED BY US**

This endorsement modifies insurance provided under the following:

ALL COVERAGE PARTS INCLUDED IN THIS POLICY

**SCHEDULE**

**CANCELLATION:**

**Number of Days Notice: 30**

**WHEN WE DO NOT RENEW (Nonrenewal):**

**Number of days Notice:**

**PROVISIONS:**

**A.** For any statutorily permitted reason other than nonpayment of premium, the number of days required for notice of cancellation, as provided in the CONDITIONS Section of this insurance, or as amended by any applicable state cancellation endorsement applicable to this insurance, is increased to the number of days shown in the SCHEDULE above.

**B.** For any statutorily permitted reason other than nonpayment of premium, the number of days required for notice of When We Do Not Renew (Nonrenewal), as provided in the CONDITIONS Section of this insurance, or as amended by any applicable state When We Do Not Renew (Nonrenewal) endorsement applicable to this insurance, is increased to the number of days shown in the SCHEDULE above.



**WORKERS COMPENSATION  
AND  
EMPLOYERS LIABILITY POLICY  
ENDORSEMENT WC 99 06 Q1 (00)**

POLICY NUMBER: (XCUB-4529T12-1-16)

**EARLIER NOTICE OF CANCELLATION OR NONRENEWAL BY US  
ENDORSEMENT**

The following modifies the **Cancellation** condition in **PART SIX – CONDITIONS** or in any endorsement forming a part of this policy that amends such condition:

If we cancel or do not renew this policy for any reason other than nonpayment of premium, we will increase the number of days advance notice for cancellation or nonrenewal from the number of days required by applicable law to the number of days shown in the Schedule.

**SCHEDULE**

NUMBER OF DAYS 60

All other terms and conditions of this policy remain unchanged.

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  
Insured

Policy No.

Endorsement No.  
Premium \$

Insurance Company

Countersigned by \_\_\_\_\_

DATE OF ISSUE: 01-04-16 ST ASSIGN:

Page 1 of 1

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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED BY CONTRACT**

This endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM  
GARAGE COVERAGE FORM**

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Endorsement Effective: 10-26-16	Policy Number: EBA 010 82 31
Named Insured: V3 Construction Group, Ltd.	
Countersigned by:	

(Authorized Representative)

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

**SECTION II - LIABILITY COVERAGE, A. Coverage, 1. Who is an Insured** is amended to include as an insured any person or organization with which you have agreed in a valid written contract to provide insurance as is afforded by this policy.

This provision is limited to the scope of the valid written contract.

This provision does not apply unless the valid written contract has been executed prior to the "bodily injury" or "property damage".

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **PRIMARY AND NONCONTRIBUTORY INSURANCE**

This endorsement modifies insurance provided under the following:

### **BUSINESS AUTO COVERAGE FORM**

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Endorsement Effective: 10-26-16	Policy Number: EBA010 82 31
Named Insured: V3 Construction Group	
Countersigned by:	

(Authorized Representative)

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

#### **1. Noncontributory Insurance**

**SECTION IV - BUSINESS AUTO CONDITIONS, B. General Conditions, 5. Other Insurance** is replaced by the following:

- c. Regardless of the provisions of Paragraph a. above, this Coverage Form's Liability Coverage is primary and we will not seek contribution from any other insurance for any liability assumed under an "insured contract" that requires liability to be assumed on a primary noncontributory basis.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **NAMED INSURED SCHEDULE**

This Schedule supplements the Declarations, EBA0108231

### **SCHEDULE**

Named Insured:

**V3 CONSTRUCTION GROUP, V3 COMPANIES OF ILLINOIS LTD, V3 CONSTRUCTION  
GROUP LTD, V3 CONSTRUCTION TRADES LTD, V3 COMPANIES LTD, V3 COMPANIES  
OF MICHIGAN LTD**

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **ADDITIONAL INSURED BY CONTRACT**

This endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM  
GARAGE COVERAGE FORM**

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Endorsement Effective: 10-26-2015	Policy Number: EBA0108231
Named Insured:  V3 Construction Group, Ltd.	
Countersigned by:	

(Authorized Representative)

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

**SECTION II - LIABILITY COVERAGE, A. Coverage, I. Who is an Insured** is amended to include as an insured any person or organization with which you have agreed in a valid written contract to provide insurance as is afforded by this policy.

This provision is limited to the scope of the valid written contract.

This provision does not apply unless the valid written contract has been executed prior to the "bodily injury" or "property damage".





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/16/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> DSP Insurance 1900 E. Golf Road Suite 650 Schaumburg IL 60173	<b>CONTACT NAME:</b> Jeannene Miller <b>PHONE (A/C No. Ext):</b> (847) 934-6100 <b>E-MAIL ADDRESS:</b> jmillerdspins.com <b>FAX (A/C No.):</b> (847) 934-6186
	<b>INSURER(S) AFFORDING COVERAGE</b>
<b>INSURED</b> V3 Companies Ltd. V3 Construction Group Ltd. V3 Companies of Illinois, Ltd. V3 Construction Trades, Ltd 7325 Janes Avenue, Suite 100 Woodridge IL 60517	<b>INSURER A:</b> The Cincinnati Insurance Compa NAIC# 10677
	<b>INSURER B:</b>
	<b>INSURER C:</b>
	<b>INSURER D:</b>
	<b>INSURER E:</b>

**COVERAGES** CERTIFICATE NUMBER: Cert ID 19556 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 SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPI/OP AGG \$ \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		EBA0108231	10/26/2016	10/26/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A			PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
						\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Re: Project 1-1 2-4082 PTB12-5  
 Additional Insured applies to Automobile Liability as required by written contract.  
 Additional Insured-Automobile Liability: Illinois State Toll Highway Authority, TY Lin International Great Lakes, Inc; V3 Companies of Illinois, Ltd/TY Lin International Great Lakes, Inc. JV

### CERTIFICATE HOLDER

Illinois State Toll Highway Authority  
 2700 Ogden Avenue  
 Downers Grove, IL 60515

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Client#: 722

TYLININTE1

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/29/2016

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: Dealey, Renton & Associates; CONTACT NAME: Nancy Ferrick; INSURER(S) AFFORDING COVERAGE: Hartford Fire Ins. Co., American Fire and Casualty Comp, Hartford Underwriters Ins. Co., Aspen American Insurance Co.

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.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL SUBR INSR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include Commercial General Liability, Automobile Liability, Umbrella Liab, Workers Compensation, and Professional Liability.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) General Liability Policy excludes claims arising out of the performance of professional services. 30 Days Notice of Cancellation (10 Days for Non-Payment of Premium). RE: Elgin O'Hare Western Access, Corridor and Construction Management, I-290 / IL Route 53 Ramps / Project I-12-4082. The Illinois State Toll Highway Authority, V3 Companies of Illinois, LTD. and V3 Companies of Illinois, Ltd./T.Y. Lin International Great Lakes, Inc., a Joint Venture are named as Additional Insured for General and Auto Liability. Insurance is primary per policy form.

CERTIFICATE HOLDER: Illinois State Toll Highway Authority; 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.

**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**

Illinois State Toll Highway Authority  
2700 Odge Avenue  
Downers Grove, IL 60515

NAME OF ADDITIONAL INSURED PERSON(S) OR ORGANIZATION(S) CONT.: The Illinois State Toll Highway Authority, V3 Companies of Illinois, LTD. and V3 Companies of Illinois, Ltd./T.Y. Lin International Great Lakes, Inc., a Joint Venture

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.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

**ADDITIONAL INSURED - OWNERS, LESSEES OR  
CONTRACTORS - COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

<b>Name Of Additional Insured Person(s) Or Organization(s):</b>	<b>Location And Description Of Completed Operations</b>
Illinois State Toll Highway Authority 2700 Odge Avenue Downers Grove, IL 60515	NAME OF ADDITIONAL INSURED PERSON(S) OR ORGANIZATION(S) CONT.: The Illinois State Toll Highway Authority, V3 Companies of Illinois, LTD. and V3 Companies of Illinois, Ltd./T. Y. Lin International Great Lakes, Inc., a Joint Venture

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

**Section II - Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

**EXCERPTS FROM CA 00001 (1001)  
HARTFORD BUSINESS AUTO COVERAGE**

**Insured:** T. Y. Lin International

**Policy Number:** 57UENZC1594

**Policy Effective Dates:** 03/01/2016

**Additional Insured:**

NAME OF ADDITIONAL INSURED PERSON(S) OR ORGANIZATION(S) CONT.: The Illinois State Toll Highway Authority, V3 Companies of Illinois, LTD. and V3 Companies of Illinois, Ltd./T.Y. Lin International Great Lakes, Inc., a Joint Venture

**Additional Insured: SECTION II – LIABILITY COVERAGE**

1. WHO IS AN INSURED: The following are “insureds”

c. Anyone liable for the conduct of an “insured”...but only to the extent of that liability.

**Primary Insurance: SECTION IV – BUSINESS AUTO CONDITIONS**

B. General Conditions - 5. Other Insurance

a. For any covered “auto” you own, this Coverage Form provides primary insurance. For any covered “auto” you don’t own, the insurance provide by this Coverage Form is excess over any other collectible insurance.

c. Regardless of the provisions of paragraph a. above, this Coverage Form’s Liability Coverage is primary for any liability assumed under an “insured contract”.

**Cross Liability Clause: SECTION V – DEFINITIONS**

G. “Insured” means any person or organization qualifying as an insured in the Who is An Insured provision of the applicable coverage. Except with respect to the Limit of Insurance, the coverage afforded applies separately to each insured who is seeking coverage or against whom a claim or “suit” is brought.

**EXCERPTS FROM HA9916 (0302)  
HARTFORD COMMERCIAL AUTOMOBILE BROAD  
FORM ENDORSEMENT**

15. WAIVER OF SUBROGATION – 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.

Project Number: I-12-4082

Consultant: V3 Companies of Illinois, Ltd./TY Lin International Great Lakes, Inc. JV

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2016												TOTAL HOURS	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
CCM													16	16
CM I-14-4638													220	220
<b>TOTALS</b>													236	236

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Date Revised 04/09/12

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2017												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
CCM	16	24	32	40	40	40	40	40	40	32	32	18	394
CM I-14-4638	320	360	400	440	470	470	450	450	440	400	360	320	4880
TOTALS	336	384	432	480	510	510	490	490	480	432	392	338	5274

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project Number: I-12-4082

Consultant: V3 Companies of Illinois, Ltd./TY Lin International Great Lakes, Inc. JV

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	
CCM	16												16
CM I-14-4638	280												280
TOTALS	296												296

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Date Revised 04/09/12



Project No. I-12-4082

Consultant: V3 Companies of Illinois, Ltd./TY Lin International Great Lakes, Inc. JV

**EXHIBIT B - FEE CALCULATIONS**

**A. DIRECT SALARY (without overtime)**

Total Work Hours: 5,806.00  
(From Exhibit C-3)

Total Dollars: \$ 309,229.00  
(From Exhibit C-3)

Multiplier to be used on this project: \_\_\_\_\_  
Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

2.80

DIRECT REGULAR SALARY TIMES MULTIPLIER

\$ 865,841.20

**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**  
(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$ 48,158.80

**C. SERVICES BY OTHERS**

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ 247,000.00  
(Do not including estimated additional services)

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ 39,000.00  
(Do not including estimated additional services)

TOTAL SERVICES BY OTHERS \$ 286,000.00

**D. ADDITIONAL SERVICES (prime and subconsultants)**  
(Requires prior authorization before use)

**E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)**

\$ 1,200,000.00

V3 Companies /  
TY Lin

## **Exhibit F**

### **Scope of Work**

**Elgin O'Hare Western Access  
Corridor Construction Management Services**

Contract No. I-12-4082

**Illinois State Toll Highway Authority**

## I. PROJECT DESCRIPTION

This project is to provide Phase III engineering services as required for the corridor construction management, construction inspection, and supervision at selected locations, including the I-290 flyover ramps and other miscellaneous construction contracts associated with the Elgin O'Hare Western Access (EOWA) project in DuPage and Cook Counties, Illinois. The EOWA corridor will consist of separate Construction Management (CM) sections. Within each CM section will be individual construction packages. Each CM may provide phase III engineering services for one or more construction packages.

The project also includes Phase III engineering services including construction inspection and supervision for the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps. Phase III engineering services also include the east segment of ITS installation. The Consultant will perform on-site inspection, review layout of the contract including design changes, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with Tollway specifications. The Consultant must complete and submit final measurements, calculations and final contract documents to the Tollway no later than six (6) weeks after completion of Punch List for the project. The Consultant must have MicroStation capabilities. All final documents shall be submitted in hard copy and electronic format and follow the ICAPP Manual. All CADD file documents shall be required to contain all record drawing modifications.

The EOWA project consists of upgrading and extending the Elgin O'Hare Expressway between IL 19/Gary Avenue and the O'Hare Western Access for about 10 miles. Between IL 19/Gary Avenue and I-290, the expressway will be widened and upgraded along the existing alignment. East of I-290, extending to the Western Access and the proposed O'Hare West Terminal, Thorndale Avenue will be upgraded to a new full-access controlled expressway. The median will accommodate potential dedicated transit service. To accommodate local traffic circulation, frontage roads are proposed extensively throughout the corridor. Service interchanges will provide access at IL 19, Springinsguth Road, Wright Boulevard, Roselle Road, Meacham Road, Rohlwing Road, Park Boulevard, Arlington Heights Road/Prospect Avenue, Wood Dale Road, and IL 83. Access to other intersecting roadways will be provided by a frontage road system. A full-access system interchange will be provided at I-290.

The EOWA project also consists of constructing the O'Hare Western Access, an access controlled Tollway section that will extend from I-90 at the current location of the Des Plaines Oasis to I-294, about 6.2 miles along the western edge of O'Hare Airport. The Western Access Tollway will generally extend southeast along the north edge of Green Street, then cross the Union Pacific Railroad and proceed south, paralleling the east side of the railroad, to a new system connection with I-294 near Grand Avenue. A new bridge that reconnects Taft Road across the Bensenville Yard, linking Franklin Avenue and IL 19 will be constructed, and a full-access system interchange will be provided at I-294. Part of I-294, extending roughly from Grand Avenue south to North Avenue, will be improved to accommodate system ramp connections and lane balance requirements. The proposed median will accommodate potential dedicated transit service north of Thorndale Avenue. System interchanges are proposed at I-90, the Elgin O'Hare Tollway, and I-294. Service interchanges are proposed at IL 72, the proposed O'Hare West Terminal, IL 19, and Green Street/Franklin Street.

## II. CONSTRUCTION MANAGEMENT (CM) SERVICES

### A. EXECUTION OF ENGINEERING SERVICES

1. The CM shall furnish services in accordance with the articles contained in the Authority's CM Manual dated March, 2012, and all applicable Tollway Criteria, Manuals and Bulletins.

Phase III construction management services will be provided for various construction contracts within the corridor, including but not limited to the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps.

2. The CM shall screen loads before they are sent to a Clean Construction or Demolition Debris (CCDD) facility using a 10.6 eV Photoionization Detector. The Detector should be provided by the CM.
3. The CM shall include the Design Corridor Manager (DCM) and Design Section Engineer (DSE) as sub-consultants for the review of shop drawings or for responses to inquiries concerning the design and plan interpretation during construction. This scope of work for the DSE's is not included separately.

### III. CORRIDOR CONSTRUCTION MANAGEMENT (CCM) SERVICES

#### A. EXECUTION OF ENGINEERING SERVICES

1. The Corridor Construction Manager (CCM) is responsible for all aspects of the construction management, coordinating the efforts of the individual project Construction Managers (CM) and a construction support team. The CCM reports directly to the Tollway Project Manager. The CCM will be responsible for coordination of the construction work for the Tollway. The CCM will provide a project lead that will be the single point of contact for the project and will be responsible for overall management of the project and coordination and management of the various project contracts. The CCM shall regularly coordinate and meet with the project consultants (CMs, CM Upon Request (CUR) consultants, Survey Upon Request (SUR) consultants, Design Corridor Manager (DCM), Land Acquisition consultants, Geotechnical Services Upon Request consultants, Utility Coordination and SUE consultants, other project consultants as necessary) and Tollway Departments (including but not limited to Maintenance and Operations, Tollway Engineering, Business Systems, ITS, Land Acquisition, Communications and Planning).

The tasks to be performed by the CCM shall include but not be limited to the following:

1. Support Tollway's internal decision-making process for scope definition, budget change approval, schedule change approval and quality control.
2. The CCM will assist the Tollway in identifying services required to be performed by other contracts and preparation of associated scopes of work and project schedule documents for such contracts. The CCM will assist in reviewing and coordinating project consultants project reporting. The CCM shall coordinate between various contracts managed by others to ensure that the corridor established schedule is maintained in order to meet project need.
3. The CCM will provide recommendations for contract packaging based upon project priorities and criteria. The DCM will prepare associated exhibits and reports.
4. Coordination and project management of CM contracts. The CCM will be the single point of contact between the Tollway and project consultants and will be responsible for delivery of project contracts through the construction phase in accordance with established Tollway schedules and budget. The CCM scope of work includes coordinating corridor construction issues, maintaining a corridor decision log, ensuring consistency (MOT, Communication, etc.), preparing transmittal memos and letters, chairing corridor wide meetings (eg. Stage Change meetings) and assistance with preparation of Staff Summary Sheets required for changes in project schedule and budget.
5. Attend project meetings including contract preconstruction meetings, preconstruction materials meetings, preconstruction sediment and erosion control meetings, weekly progress meetings and other meetings as required.
6. The CCM will monitor CM/Contractor adherence to Soil and Erosion Control requirements.
7. Coordination of Intergovernmental Agreements and/ or permits with IDOT, Local Agencies, airports and Railroads. The CCM shall be the main single point of contact with the affected agencies and will coordinate with the DCM to ensure that all project related agreements and permits are secured for each construction contract. The CCM shall regularly meet with the affected agencies and coordinate project issues with the Tollway, CMs and other affected parties. The CCM will be the single point of

- contact with IDOT, Local Agencies, airports, railroads and other affected agencies for construction phase activities.
8. Coordination with project stakeholders including; airports, communities, business organizations, general public and other interested parties. The CCM scope of work includes assisting the DCM with coordination of public outreach meetings and regular agency coordination meetings, preparation of corridor exhibits and chairing meetings with interested parties as requested; preparation of project information that can be distributed to interested parties; participation in public meetings including providing project presentations; coordination with Tollway Communications Department and providing corridor information and exhibits. The CCM will prepare exhibits and meet with Local Agencies and IDOT to discuss project impacts to Local and IDOT facilities (including cross road traffic and drainage impacts). The CCM will coordinate with the DCM to maintain a log of permits, agreements, etc. required from IDOT and Local Agencies, railroads and utilities.
  9. The CCM will maintain a corridor design and construction schedule. The CCM will maintain a corridor construction cost estimate. The corridor design and construction schedule will be required to be maintained in Primavera P6 format or latest update. The CCM will review DCM developed schedules and will concur with the schedule or make recommendations for modifications.
  10. Periodic observation of CM activities to verify their knowledge, skill, and ability to achieve the desired results. Provide Tollway PM input after observations.
  11. Provide input toward Contractors Interim Performance Evaluations and Final Performance Evaluation. (ISO P 3040), Submit to Tollway DPM of construction for review and consideration.
  12. Review and approve Authorization to Proceed prior to submittal to C5 committee. Review and approve Change Orders and Extra Work Orders prior to submittal to the Tollway. (ISO P 3080)
  13. Facilitate documentation, tracking and resolution of Contract Dispute Resolution Procedure. (ISO P 3120)
  14. Address all construction issues raised by the Tollway Departments.
  15. Assist the C5 committee in resolving any discrepancies between the contractor's estimates and CM's independent cost estimate in order to reach an agreement.
  16. Assist in the notification of local officials of major, disruptive construction work.
  17. Assist Tollway departments in responding to inquiries from public officials and/or the press.
  18. Promote informal partnering by establishing working relationships between the Contractor, CM, DSE, outside agencies and the Tollway.
  19. Review and make recommendations with respect time extensions of project schedule related to change orders and extra work orders.
  20. The CCM will assist in preparation of Board Meeting materials including review of Board Script information, Board Item summaries, etc.
  21. Track CM process for warranty and submittals.
  22. Develop a corridor earthwork management plan in cooperation with the Design Corridor Manager (DCM) and Tollway.
  23. Documenting lessons learned and providing applicable documentation and direction to CMs.
  24. Public Coordination services including, but not limited to, those associated with the project Local Advisory Committee. The DCM will continue as the lead for the Local Advisory Committee with participation by the CCM as necessary.

25. Diversity and Sustainability Initiatives. The CCM will be required to coordinate with the project CMs and report on corridor performance with respect to DBE/EEO progress and goal attainment, green initiative progress, etc.
26. Administrative support including, but not limited to, preparation of project correspondence, scheduling meetings, preparation of meeting agendas and meeting minutes, Proliance Web Based Management administration and communication.
27. The CCM will be required to utilize the Tollway's Web Based Project Management System for all official project communications.

The corridor construction support team is comprised of construction and documentation engineers reporting directly to the CCM and are responsible for coordinating the efforts of the various CMs and ensuring that the day to day activities of the CMs and respective Contractors are in accordance with the Tollway Construction Manual and meet Tollway criteria. The tasks to be performed by the corridor construction support team shall include but not be limited to the following:

1. Provide bid phase and post design coordination and support.
2. Provide general coordination and oversight of the Construction Project Managers (CPM). Monitor CMs and assist in resolving anticipated field problems.
3. Make recommendations to the Tollway with respect to field changes and other technical field problems.
4. Coordinate and monitor CPMs for consistency between construction sections.
5. Review contract documents and specifications with regard to constructability and consistency between design sections. Coordinate and confirm completion of constructability reviews by CMs.
6. Provide separate constructability reviews from the CM with the objective to ensure consistency between design sections, that the numbers of potential change orders are minimized and the probability of delays and disputes are reduced.
7. Coordinate required revisions identified within the constructability reviews with the DCM.
8. Attend meetings with Tollway and outside agencies for issues that arise during construction.
9. Coordinate and monitor the CMs for consistency between sections by performing on-site internal QA audits of CM's documentation and material inspection for compliance with approved plans and procedures.
10. Coordinate overall construction issues, stages, etc. between adjacent projects.
11. Utilize the Tollway's web-based management software to inform Construction Management Team (CM, CPM & CCM) of resolution of corridor issues.
12. Coordinate and attend monthly construction coordination meetings with project CMs. Document in accordance with Tollway procedures. Schedule and invite meeting attendees and Tollway stakeholders, as required.
13. Quarterly review (minimum) of implementation and construction activities for compliance with approved QNQC plan.
14. Issues NCR's when applicable and monitors the NCR process as it related to their project. Reports investigation and action to prevent reoccurrence to CCM. (F 5070)
15. Assist in coordination and attend all coordination meetings between affected municipalities, utilities and other agencies required for the project.
16. Assist DCM to resolve design issues that arise during construction and communicate resolution to Construction Project Managers.
17. Facilitate and expedite contract closeout to ensure that all work is completed in accordance with the contract documents. Schedule final closeout meeting.

18. Monitor Quality Assurance items such as:
  - a. Monitor NCRs initiated by the Tollway, DSEs, CMs and Contractors for trends that required corrective action initiatives.
  - b. Monitor customer complaints and other customer feedback to identify the need for corrective action initiatives or the opportunity for preventative actions.
  - c. Initiate and monitor preventative action initiatives and report on their status to the Tollway Design Managers. (F 5050)
19. Review warranty materials assembled by the CM and summarize key components for the Tollway.
20. Frequent/Daily Review of CM logs (RFI's, Shop Drawings, PCO's, etc.) for timeliness of response, action and reporting, review response/direction for CM for item closure.
21. Frequent/Daily Review tracking of approved extra work orders relative to approved/submitted pay request versus approved PCO upper limit.
22. Coordinate the scheduling of preconstruction meeting and distribution of the Meeting Agenda (P 1040). Confirm all Tollway Departments and outside agencies with a stake in the project are invited.
23. Assist the CM in coordinating the pre-construction meeting.
24. Responsible for follow-up activities associated with the preconstruction meeting.
25. Maintain knowledge of overall project status as well as impacts of construction on Tollway users and surrounding communities.
26. Monitor CM's activities to confirm tasks set forth in the Tollway Construction Manual are completed.
27. Coordinate responses to RFI's and project submittals.
28. Coordinate and facilitate construction submittal review with Tollway departments. Schedule review meetings with Tollway departments as required expediting approval of critical items.
29. Prioritize and expedite resolution of issues that arise during construction
30. Elevate Lessons Learned issues that arise during construction to the CDM and CCM, whom subsequently inform other design or construction sections.
31. Confirm submittal, review and approve monthly Project Status Reports. Confirm that project binders are updated weekly with weekly reports and logs.
32. Review and monitor CM documentation and material inspection, including Contractor adherence to the Contract DBE and EEO plans.
33. Monitor material inspection and QAQC programs.
34. Monitor the response time for and coordinate consistency of RFI's, submittals and correspondence.
35. Review and approve C5 Authorizations and Change/Extra Work Orders for completeness and accuracy prior to forwarding to the Tollway for processing.
36. Review progress schedules and adherence to the Approved Progress Schedules.
37. Review Value Engineering proposals for feasibility and benefit to the Tollway via written recommendation.
38. Attend weekly coordination and progress meetings with the CM, Contractor and Tollway staff.
39. Perform reviews (as required) of CM internal QA audits for compliance with approved plans.
40. Perform audit duties as requested to satisfy documentation review requirements.
41. Monitor CM and Contractor activities and issues NCRs as required.
42. Monitor CM and Contractor activities for schedule critical path elements.
43. A contingency has been added to the contract in order to allow for potential Corridor Construction Management Services for construction contracts that may be advanced and that are associated with receipt of non-Tollway funding for construction. A



requirement of such funding is that work needs to start within a specific time frame. The Tollway is adding has included contingency funding to the contract to ensure that the Tollway is in a position to receive the funding and manage the construction for any of these projects if they are approved. Contingency funding has also been included to allow for an EOWA corridor project office. The Tollway is continuing to explore opportunities for a project office to allow for a project office to be leased along the EOWA corridor at no cost to contract. Operating expenses for the project office are not anticipated to be provided for no cost and are assumed to be included in the contingency amount included in the contract. Release of contingency for operating expenditures for the project office will be required regardless of whether or not the Tollway will be responsible for lease of the office.

The Corridor Construction Manager (CCM) is to assist the Tollway and the DCM as communications liaison with all stakeholders. The tasks to be performed as communications liaison shall include but not be limited to the following:

1. Develop and distribute to all stakeholders a monthly construction stage change schedule. Prior to all significant stage changes, schedule, invite attendees and coordinate a stage change review meeting to present the upcoming stage change and impacts on Tollway users, traffic congestion, toll plaza personnel, and local municipalities.
2. Attend periodic Tollway Communication Department meetings as requested to provide program project summary.
3. Coordinate all lane closures and traffic stage changes for all construction contracts with the Tollway Maintenance, Communications, Toll Services, Facilities Maintenance as well as adjacent Tollway, IDOT, and local agency projects. Work will include ensuring that lane closure information is consistent, accurate, reliable and timely.
4. Will act as single point of contact for IDOT and local municipality coordination for construction phase activities. Coordinate development and tracking of status permits. Develop and track intergovernmental agreements and provide status updates to the effected agencies. Track reviews by outside agencies (non-utility) for timeliness and incorporation in the plans.
5. Provide executive level communication protocols to assure information is delivered in a format that supports the Tollway's internal decision making processes.
6. Prepare Incident Management Plan appendices.

The Construction Corridor Manager and its subconsultants are precluded from managing and directly supervising work that they are performing under other Tollway contracts. The following shall apply:

The CCM and its subconsultants can perform work on other Tollway projects provided that:

1. The consultant does not serve as the Tollway's project manager overseeing work done by that consultant firm on another Tollway contract - specifically if the consultant reviews progress reports and invoices of a contract that has that consultant as a part of the team.
2. The consultant does not review their own firm's work if that consultant firm is working on another Tollway contract.
3. Any other potential issue that a professional firm, professional individual or the Tollway reasonably determines is inappropriate shall not be allowed to occur.

**IV. REQUIRED SUBMITTALS TO THE AUTHORITY**

Submittal requirements shall be in accordance with the CM Manual.

**V. ITEMS TO BE FURNISHED TO THE CONSTRUCTION MANAGER**

In addition to the items to be provided as described in the CM Manual, the following will be supplied:

1. It shall be the responsibility of the CM to select the applicable reduced record drawings from the Tollway's GIS Site.
2. Digital Ortho-Imagery, contours, horizontal and vertical survey control and center line of the project limits.
3. Copies of ISTHA Standard Specifications, Standard Drawings, and ISTHA Design Criteria can be obtained from the Tollway's website.
4. Copy of contract documents for all construction contracts noted in Section II.

**PROJECT SCHEDULE**  
**Contract No. I-12-4082**  
**Corridor Construction Management and Construction Management Services**  
**Elgin O'Hare Western Access Tollway**

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SCHEDULE

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1.	Proposal Meeting	January 2013
2.	CM Proposal Submittal	February 1, 2013
3.	CM Proposal Approval	February 8, 2013
4.	Board Award	February 28, 2013
5.	NTP	May 1, 2013
6.	Construction Start Date	July 17, 2013
7.	Construction Contract Completion**	June 30, 2018

\*\*Represents completion of construction for U.S. 20 to IL 83 section, wetland mitigation site and initial O'Hare access ramp from York Road.

See Attachment "A"

**Bridge Improvements within Project Limits**

**Contract No. I-12-4082  
Corridor Construction Management and Construction Management Services  
Elgin O'Hare Western Access Tollway**

<b>4039 Elgin O'Hare: U.S. 20 to Meacham Rd/Medinah Rd.</b>						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		US 20 <sup>1</sup>	U	Steel	B (IDOT)
	EB, WB		Metra RR <sup>1</sup>	O	Steel	A
	EB, WB		Gary Avenue Ramp	U	Steel	A
	EB, WB		Springinsguth Road and Ramp	O	Steel	A
	EB, WB		IL 19	O	Steel	A
	EB, WB		Rodenberg Road	O	Steel	A
	EB, WB		Wright Boulevard	O	Steel	A
	EB, WB		Mitchell Boulevard	O	Steel	A
	EB, WB		CPRR Spur	O	Concrete	A
	EB, WB		Roselle Road	U	Steel	B (Cook)
	EB, WB		Plum Grove Road	U	Steel	B (Roselle)

<b>4014 Elgin O'Hare: Meacham Rd./Medinah Rd. to Arlington Heights Rd.</b>						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Medinah/Meacham Rd	O	Steel	B(DuPage/Cook Co.)
	Ramp G1		Ramp G7, EO Expy and I-290 <sup>1</sup>	O		B(IDOT)
	EO		Rohlwing Rd	U		B(IDOT)
	Ramp K2		Ramp G3	O		A
	Ramp K1		Ramp G2 and G5	O		A
	WB EO/Ramp K1		I-290 <sup>1</sup>	O		A
	Ramp G5		I-290 and EO Expy <sup>1</sup>	O		B(IDOT)
	EB EO		I-290 <sup>1</sup>	O		A
	Ramp G3		I-290 <sup>1</sup>	O		A
	Ramp G1		Ramp G7 <sup>1</sup>	O		B(IDOT)
	Ramp G6		Ramp K3 <sup>1</sup>	O		B(IDOT)
	EB, WB		Park Blvd.	O		A
	EB, WB		Arlington Heights Rd.	O		A.
	Rohlwing Rd.		Dry Land Bridge	O		B(IDOT)

4042 Devon Av Bridge Reconst. Park Blvd./Pierce Rd./Ketter Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB/WB Devon Av		I-290	O	TBD	B(IDOT, Cook Co.)

4040 Elgin O'Hare: Arlington Heights Rd. to Lively Blvd.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Prospect Avenue	O	TBD	A
	EB, WB		Salt Creek	O	TBD	A
	EB, WB		Salt Creek Frontage Road	O	Steel	TBD
	EB, WB		Mittel Boulevard	O	TBD	A
	EB, WB		Wood Dale Road	U	TBD	B (DuPage)

4041 Elgin O'Hare: Lively Blvd. to Supreme Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Lively Boulevard	O	TBD	A
	EB, WB		IL 83	O	TBD	A
	EB, WB		RR Spur	O	TBD	A
	EB, WB		Supreme Drive	O	TBD	A

TBD						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	Hook (Ramps Q1, Q5, and Q6)		Over Ramps P1 and P8, West Bypass, RR Tracks, and York Rd.	O		B(DuPage)

- \*\* A Type – Illinois Tollway has complete maintenance responsibility.
  - \*\* B Type – Illinois Tollway has partial maintenance responsibility.
  - \*\* C Type – Illinois Tollway has complete or partial maintenance responsibility.
- <sup>1</sup>CM responsibilities

## Attachment A

### Web-based Project Management System

The Illinois Tollway has a Web-based Project Management System (System) that will be used by project participants on Tollway CRP projects. The System provides a number of benefits to the project participants, including:

- 1) Simplification of communications.
- 2) Automated tracking of time-sensitive items.
- 3) Automated reporting.
- 4) Common document management and storage as electronic documents will reside in a central repository.
- 5) Audit trail of information so project participants will be able to determine who did what and when.
- 6) Real-time access and exchange of information.
- 7) Easy, secure, 24/7 access to project information over the Internet via a computer and an Internet browser.

The successful consultant must establish broadband Internet connectivity in order to effectively utilize the System (T1 is recommended) and must comply with all work instructions and procedures relating to its use. The consultant must furnish all hardware and software required to effectively utilize the System, including personal computers, peripheral software, virus protection software, System plug-ins, ActiveX installation, firewall configuration and high-speed document scanners. The consultant will be solely responsible for coordination between its subconsultants & suppliers, and the System. All document transmittals and written communication from the consultant to the Illinois Tollway must be made electronically via the System. In certain cases where "wet signatures" and/or stamps are required by the Tollway, document transmittals must be made simultaneously via the System for record and by traditional means for paper documents, unless the consultant is directed otherwise in writing by the Tollway. Once stamped/signed documents have been obtained, they must be scanned and uploaded to the System for record.

All consultant, subconsultant and supplier employees who will use the web-based system must complete the training provided by the Tollway prior to having access to the system. A valid e-mail address must be provided prior to training session. The consultant agrees to comply with all terms and conditions associated with use of the web-based project management system.

- 1.0** Consultant shall utilize ISTHA web based project management system to track and manage projects. System shall be an official record of all project communication. Consultant shall post copies of all project related documents on the System.
- 2.0** Within 14 calendar days of Notice to Proceed , Consultant shall designate a website manager (coordinator) who is to be the point of contact with ISTHA website implementation and support staff.

- 3.0** Consultant is required but not limited to submit the following using the System:
- 3.1 Submittal schedule, submittals shall be processed using the System to provide a record of activity.
  - 3.2 Progress reports.
  - 3.3 Inspection reports.
  - 3.4 Requests for information, project clarifications, general communication and project related issues.
  - 3.5 Meeting agendas, no later than 3 days before meeting.
  - 3.6 Minutes of meetings, no later than 3 days after each progress meeting date, distribute copies of minutes via the System to each party present and to other parties who should have been present. Include a brief summary in narrative form of progress since the previous meeting and report.
- 4.0** Document submission requirements. Project documents transmitted via the System must comply with the following electronic formats:
- 4.1 Documents that are marked up or unavailable in electronic format (drawings, sketches, correspondence, etc. generated by hand drafting methods) shall be scanned to PDF (.pdf) , black and white with maximum resolution of 200dpi using CCITT Group 4 (2d Fax) compression.
  - 4.2 Documents that have been generated using Adobe Acrobat PDF printer drivers (not scanned) shall be submitted to the System.
  - 4.3 Electronic photographs shall be submitted in JPEG (.JPG) file format, sized at a minimum resolution of 1024x768 pixels.
  - 4.4 Grayscale or color photo images that are scanned shall be saved in JPEG (.JPG) file format with medium to low quality compression at a maximum resolution of 200 dpi.
  - 4.5 Product data that is available for download from the Manufacturer's website, that has been generated using Adobe Acrobat .PDF printer drivers (not scanned) may also be submitted via the System.



<b>System Requirements</b>	
Operating System	Windows XP
Internet Browser	Internet Explorer version 6.0 or greater
Processor Speed	2.0 GHz or greater
System Memory (RAM)	512 Megabytes or greater
Hard Drive Space	1500 Megabytes (1.5Gb)
Display Resolution	1024x768 or greater
Connection Type	Broadband Internet Connection (T1) – If a T1 is not an available option, each System participant must have a dedicated (not shared) DSL or equivalent Internet connection.
Other hardware	CD-ROM or DVD drive
<b>Recommended Professional Document Scanners<sup>6</sup></b>	
Medium Format Scanner <sup>1</sup>	Canon DR-5020 Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Canon DR-5080C Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D IPC Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D VRS Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Epson GT-30000 Document Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS610 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS810 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select P36 Color Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select MP36 MonochromeScanner or equivalent
<b>Required Additional Software</b>	
Portable Document Format(.PDF) file reader	Adobe Acrobat Reader <sup>2</sup>
Portable Document Format(.PDF) file generator	Adobe Acrobat <sup>3</sup>
ZIP File compression utility	WinZip <sup>4</sup> or equal

<sup>1</sup> Large and medium format scanning may also be outsourced to a digital reproduction house in your locale.

<sup>2</sup> Adobe Acrobat Reader is free software available for download at <http://www.adobe.com/>

<sup>3</sup> Adobe Acrobat is not a free software and must be purchased. At least one copy of the software must be purchased by the Consultant and must reside on a PC accessible to all users within the Consultant's office. The purchase and installation of multiple copies is recommended.

<sup>4</sup> A fully functional evaluation version of WinZip is available for download at <http://www.winzip.com/>, alternative free file compression utility is 7-zip available at <http://www.7-zip.org/>

**Note:** The scanner models specified meet the requirements of website usage and are provided for information purposes only. Scanner models may change or be discontinued by the manufacturer.

Exhibit F -  
Attachment "A"

Contract / Section No.	Description	Schedule														
		Start Date	Finish Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
W01	US 20 to Roselle	3/15/2014	10/31/2014													
W02	Roselle to Meachem	3/15/2014	12/1/2014													
W03	Noise Walls - US 20 to Roselle	7/17/2013	10/31/2013													
W04	Noise Walls - Roselle to Meachem	7/17/2013	10/31/2013													
C01	Rohlwing Road Overpass	11/22/2013	9/26/2015													
C02	Elgin O'Hare - Meachem to IL 53	3/24/2014	11/1/2015													
C03	NB I-290 WB to Elgin O'Hare	3/15/2014	9/20/2015													
C04/C05	Ramps: EB I-290 to WB Elgin O'Hare, E. IL 53 & EB EO to I-290	3/24/2014	11/1/2015													
C06	WB Elgin O'Hare to I-290	3/27/2015	11/1/2016													
C07	EB Elgin O'Hare - IL 53/Rohlwing Rd to Park	3/25/2016	11/1/2017													
C08	Elgin O'Hare - Park to Arlington Hts Rd	3/25/2016	11/1/2017													
C09	Devon Ave Bridge	3/19/2015	11/1/2015													
C10	Park Blvd - Pierce Rd - Ketter Dr	3/29/2014	8/31/2014													
C11	Elgin O'Hare - Arlington Hts to Salt Creek	3/15/2016	11/1/2017													
C14	Maintenance Facility	3/26/2015	11/13/2015													
E01	Elgin O'Hare - Salt Creek to Lively Blvd	3/15/2016	10/1/2017													
E02	Elgin O'Hare - Lively Blvd to IL 83	3/15/2016	12/1/2017													
E03	Elgin O'Hare - IL 83 to East of Supreme Dr	3/15/2018	11/29/2020													
ND4	Western Access from York Road	4/1/2017	9/28/2018													
	Wetland Mitigation Site - Lake County															
TL01	Tolling - US 20 to I-290	10/21/2014	8/16/2015													
TL03	Tolling - I-290 to Salt Creek	4/5/2017	10/21/2017													
TL04	Tolling - Salt Creek to IL 83	7/5/2017	7/1/2018													
S01	I-294 @ IL 64 & County Line Rd	3/15/2020	11/1/2021													
S02	Taft Avenue Extension	3/15/2018	11/1/2019													
IN02	Elmhurst Rd/Touhy Ave Interchange	3/15/2017	7/31/2018													
IN01	Elhurst Rd/Oakton St Interchange	3/15/2015	11/1/2015													
N07	Touhy Ave UPRR Grade Separation	4/1/2021	11/1/2022													
S11	Franklin Park Drainage Improvements	3/15/2018	11/1/2019													
TL06	Tolling - I-294 at IL 64	11/1/2020	11/1/2021													
TL07 partial	Tolling - Franklin/Green to I-294 (Use 10% - S02 project)	10/31/2019	11/1/2020													

-  CM Services
-  CCM Services
-  Contingency CCM 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**

<p>1 <u>AAA Engineering, LTD</u></p> <p>Direct Labor                   \$ 195,042.40</p> <p>Direct Costs                   \$ 14,457.60</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ 209,500.00</p>	<p>6 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>
<p>2 <u>Interra, Inc.</u></p> <p>Direct Labor                   \$ 32,984.00</p> <p>Direct Costs                   \$ 4,516.00</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ 37,500.00</p>	<p>7 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>
<p>3 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>	<p>8 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>
<p>4 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>	<p>9 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>
<p>5 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>	<p>10 _____</p> <p>Direct Labor                   \$ -</p> <p>Direct Costs                   \$ -</p> <p>Services by Others             \$ -</p> <p>Additional Services **       \$ -</p> <p>Total this Subconsultant (ULC)                   \$ -</p>

\*\* Additional services funds require prior authorization before use

TOTAL DBE/MBE/WBE Subconsultants: \$ 247,000.00

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ 247,000.00

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): 20.58%

DBE/MBE/WBE Percentage of Total Fee (does not include Additional Services): 20.58%

**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)**

<p>1 <u>CH2M HILL, Inc.</u></p> <table border="0"> <tr><td>Direct Labor</td><td>\$ 38,508.40</td></tr> <tr><td>Direct Costs</td><td>\$ 491.60</td></tr> <tr><td>Services by Others</td><td></td></tr> <tr><td>Additional Services **</td><td></td></tr> <tr><td>Total this Subconsultant (ULC)</td><td>\$ 39,000.00</td></tr> </table>	Direct Labor	\$ 38,508.40	Direct Costs	\$ 491.60	Services by Others		Additional Services **		Total this Subconsultant (ULC)	\$ 39,000.00	<p>6 _____</p> <table border="0"> <tr><td>Direct Labor</td><td>\$ -</td></tr> <tr><td>Direct Costs</td><td>\$ -</td></tr> <tr><td>Services by Others</td><td>\$ -</td></tr> <tr><td>Additional Services **</td><td>\$ -</td></tr> <tr><td>Total this Subconsultant (ULC)</td><td>\$ -</td></tr> </table>	Direct Labor	\$ -	Direct Costs	\$ -	Services by Others	\$ -	Additional Services **	\$ -	Total this Subconsultant (ULC)	\$ -
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Total this Subconsultant (ULC)	\$ -																				

\*\* Additional services funds require prior authorization before use

TOTAL Non-DBE/MBE/WBE Subconsultants: \$ 39,000.00

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ 39,000.00

Project Number: I-12-4082

Consultant: V3 Companies

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2016												TOTAL HOURS				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
CCM																	
Project Manager																	8
CM																	
Resident Engineer																	120
Documentation																	60
<b>TOTALS</b>																	188

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project Number: I-12-4082

Consultant: V3 Companies

EXHIBIT A: ESTIMATED TASK WORK HOURS

TASK	MONTHS of YEAR 2017												TOTAL HOURS				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
CCM																	
Project Manager	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	96
CM																	
Resident Engineer	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	1920
Documentation	120	120	120	120	150	150	130	130	120	120	120	120	120	120	120	120	1520
TOTALS	288	288	288	288	318	318	298	298	298	288	288	288	288	288	288	288	3536

- Notes:**
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project Number: I-12-4082

Consultant: V3 Companies

**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					
CCM																	
Project Manager	8																8
CM																	
Resident Engineer	160																160
Documentation	80																80
TOTALS	248																248

- Notes:**
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project No. I-12-4082

Consultant: V3 Companies

**EXHIBIT B - FEE CALCULATIONS**

**A. DIRECT SALARY (without overtime)**

Total Work Hours: 3,972.00  
(From Exhibit C-3)

Total Dollars: \$ 213,955.00  
(From Exhibit C-3)

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 \$ 599,074.00

**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**  
(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$ 33,403.80

**C. SERVICES BY OTHERS**

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -  
(Do not including estimated additional services)

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -  
(Do not including estimated additional services)

TOTAL SERVICES BY OTHERS \$ -

**D. ADDITIONAL SERVICES (prime and subconsultants)**  
(Requires prior authorization before use)

**E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)** \$ 632,477.80

Date: 10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Administration I	Joanna Hanks	15.55	23.32	YES
	Richard Reynoso	16.50		YES
	Chloe Free	20.00		YES
	Beth Jedlicka	20.00		YES
	Janet Burbey	21.00		YES
	Kastriot Miftari	21.83		YES
	Paul Karnatz	22.50		YES
	Lesley Lapinski	24.00		YES
	Rachelle Reavis	24.00		YES
	Michelle Wandahovich	26.20		YES
	Jane Donnelly	27.50		YES
	Dawn Hannigan	28.40		YES
	Donna Allspach	29.00		YES
	Anthony Rana	30.00		YES
Administration II	Rachel Urbanski	20.00	28.68	YES
	Shannon Coan	32.59		YES
	Kathy Fyten	33.44		YES
Administration III	Michael Held	38.66	44.07	YES
	Sean Sheehan	49.48		YES
Construction Administrator	Victoria Champine (formerly De Paulo)	27.80	37.28	YES
	Jodi Rana	33.50		YES
	Michael Tamme	41.50		YES
	Jeanne Kagel	46.30		YES
Construction Technician III	Michael Fitzgerald	34.70	36.03	YES
	Kenneth Bowgren	36.00		YES
	Terry Clifford Collins	37.40		YES

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? (Yes or No)
Design Technician I	Robby Ice	19.00	19.00	YES
Design Technician III	Nitin Shah	27.41	32.02	YES
	Deborah Boor	31.47		YES
	Vijay Shah	31.47		YES
	Mark Iverson	33.70		YES
	David Pung	33.95		YES
	Barbra Dykes	34.13		YES
Division Director	Christopher Bartosz	59.88	68.74	NO
	Michael Famiglietti	70.00		NO
	Theodore Feenstra Jr.	70.00		NO
	Gregory Wolterstorff	70.00		NO
	Edward Fitch	70.00		NO
	David Heslinga	70.00		NO
	Theodore Niemeyer	70.00		NO
	Tomas Valaitis	70.00		NO
Engineer I	Elaine Schaudt	28.58	28.93	NO
	James Bessier	28.86		NO
	Michael Dirkse	29.05		NO
	Onsel Badur	29.21		NO
Engineer II	Ethan Frisch	29.80	30.64	NO
	Joseph Hallak	30.00		NO
	Francis Giordano	30.30		NO
	Matthew Poulter	30.70		NO
	Alexander Huynh	31.20		NO
	Brendan O'Bryan	31.82		NO

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- (3) Use as many sheets as necessary to show classifications.



Date: 10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Engineer III	Benjamin Hert	32.01	33.91	NO
	Joseph Westerbeke	33.18		NO
	Carl Schwarzer	33.26		NO
	Steven Jandick	34.00		NO
	Katelyn Gierut	35.50		NO
	Andrew McDonald	35.50		NO
Estimating Technician	Thomas Kemp	22.26	22.26	YES
Field Ecologist I	Carolyn Ashley	14.21	14.81	YES
	Daniel Lopez	14.21		YES
	Jacob Kruse	16.00		YES
Field Ecologist II	Joseph Smrt	18.17	18.43	YES
	Craig Mack	18.43		YES
	Daniel Jablonski	18.70		YES
Field Ecologist III	Peter Cappellini	21.51	22.20	YES
	Andrea Pini	22.42		YES
	Derek Pellicci	22.68		YES
Journeyman	David Barron	43.00	43.00	YES
	David Choy	43.00		YES
	Harry Sulek	43.00		YES
Operations Director	Ronald Graf	57.86	57.86	NO
Operations Manager	Bradley Millis	27.36	27.36	NO
Principal	Thomas Slowinski	69.88	69.98	NO
	Stuart Dykstra	70.00		NO
	Louis Gallucci	70.00		NO
	Patrick Kennedy	70.00		NO
	Robin Petroelje	70.00		NO

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- (3) Use as many sheets as necessary to show classifications.

Date: 10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? (Yes' or 'No')
Project Engineer I	Daniel Free	31.90	37.66	NO
	Steven Kranenborg	32.00		NO
	Matthew Nickels	33.06		NO
	Randall Andersen	33.55		NO
	Marcin Iwanicki	35.79		NO
	Matthew Brolley	35.95		NO
	Daren Ellefson	37.14		NO
	Jacob Bauer	38.40		NO
	Elora Hsu (Formerly Ibay)	38.47		NO
	Thomas Kunschke	42.64		NO
	Jennifer Leden	43.80		NO
Lisa Cassaidy	49.18	NO		
Project Engineer II	Geroncio Valencia	37.30	39.75	NO
	Lauren Montero	38.02		NO
	Shauna Urlacher	40.17		NO
	Christopher Hanchett	40.27		NO
	Benjamin Stammis	43.01		NO
Project Manager	Margaret Martin	33.77	41.85	NO
	Walter Levernier	39.34		NO
	Eric Delva	41.56		NO
	Lynn Smith	41.92		NO
	Keith Jones	42.24		NO
	Ryan Wagner	42.79		NO
	Rachael Berthiaume	43.18		NO
	Jacob Mudde	44.07		NO
Andrew Uttan	47.74	NO		
Project Manager I	Amit Pathak	44.81	48.93	NO
	Bradley Prischman	50.99		NO
	Bryan Rieger	50.99		NO

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- (3) Use as many sheets as necessary to show classifications.

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Project Manager II	Laura Shafer	50.99	52.79	NO
	Jennifer Maercklein	51.92		NO
	Heidi Voiroi	53.14		NO
	Peter Reinhofer	55.11		NO
Project Scientist	Kristine Wright	33.24	35.37	NO
	Debra Belmonte	37.50		
Project Surveyor II	Milana Penicka	27.63	28.64	YES
	Svetlana Koleva	29.64		YES
Project Surveyor III	Edward Murray	31.00	31.42	YES
	Steven Past	31.56		YES
	Brian Schaul	31.71		YES
Resident Construction Manager I	Jamison Cullen	41.00	45.00	NO
	Paul Grassly	49.00		NO
Resident Construction Manager II	Humayun Saeed	49.70	50.80	NO
	George Malek	50.00		NO
	Eric Borgman	52.70		NO
Resident Engineer I	Edward Benesh	43.30	46.38	NO
	Borut Vujic	46.00		NO
	Richard Kipp	46.00		NO
	Jeffrey Garth	48.30		NO
	Peter Sathissarat	48.30		NO
Resident Engineer II	Megan Benetatos	51.50	51.50	NO
	Christopher Hoffman	51.50		NO
	Martha Ybarra	51.50		NO

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

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- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

Date: 10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ("Yes" or "No")
Senior Administration	Lori Woody	41.87	49.40	NO
	Stephanie Lindemann	46.75		NO
	John Wiora	52.31		NO
	Rozanne Ferguson	56.67		NO
Senior Construction Technician	Karen Kasten	36.00	39.70	YES
	James Rabiola	36.00		YES
	Steven Barton	38.80		YES
	Timothy Carter	39.00		YES
	Brian Parks	39.50		YES
	Norbert Konor	41.00		YES
	Cheryl Ludwig	41.00		YES
	Sean Ludwig	41.00		YES
	Michael Wallin	41.00		YES
	James Trch	43.70		YES
Senior Estimator	Thomas Foster	48.52	48.52	NO
Senior Project Engineer	Victoria Sykes	43.62	45.04	NO
	Jason Holy	44.80		NO
	Christopher Burke	46.71		NO
Senior Project Manager - Constr Eng	Matthew Powers	59.50	63.07	NO
	Beth Rahe	59.70		NO
	Peter Stukas	70.00		NO
Superintendent	Scott Johnston	54.71	54.71	NO
Survey Crew	Kenneth Ferro	28.33	27.17	YES
	Steven Arnold	31.15		YES
	Rene Delgado	43.00		YES
	Hector Miranda	15.00		YES
	John Ferro	13.50		YES
	Donald Ken Severson	32.01		YES

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Senior Project Manager	Gerald Kwiatkowski	47.86	57.93	NO
	Anthony Strickland	48.32		NO
	Craig McCammack	49.62		NO
	George Milner	51.21		NO
	Scott Brejcha	52.89		NO
	Charles Bartosz	52.91		NO
	Dianna Johnson	53.50		NO
	Grant Van Bortel	53.58		NO
	Michael Warning	61.00		NO
	Derrick Martin	61.67		NO
	Ryan Hartley	62.80		NO
	John Brown	63.95		NO
	Dwayne Gillian	63.95		NO
	Keith Butkus	64.02		NO
	Keith Oswald	69.52		NO
	Robert Murdock	70.00		NO
Senior Project Manager - Trans & Mun	David Greifzu	56.00	65.22	NO
	Michael Rechterik	62.86		NO
	Jeffery Kline	63.67		NO
	Vincent DelMedico	66.95		NO
	Philip Maloney	67.06		NO
	William Vegrzyn	70.00		NO
	George Schober	70.00		NO
Technician I/II	Christopher Mack	13.20	16.58	YES
	Adam Rea	13.70		YES
	Thomas McLennon	15.45		YES
	James Holy	16.00		YES
	Robert Woody	16.00		YES
	Rayme Calhoun	25.13		YES
Technician II	Edwin Guertier III	41.00	41.00	YES

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

Project No.: I-12-4082

Consultant: V3 Companies

Date: 10/3/2016

**EXHIBIT C-2: PAYROLL CLASSIFICATION ESCALATION TABLE**

CONTRACT TERM: 14 NO. OF MONTHS

SCHEDULED START DATE: 12/1/2016

RAISE DATE: 1/1/2017

PERCENT OF RAISE: 3%

**ESCALATION PER YEAR**

Date	Date	Date	Date	Date	Date
12/1/2016	12/31/2016	1/1/2017	12/31/2017	1/1/2018	1/31/2018
1.0	14.0	12.0	14.0	1.0	14.0
7.14%		88.29%		7.58%	
Factor First Period		Escalation Factor Second Period		Escalation Factor Third Period	
				Escalation Factor Fourth Period	
				Escalation Factor Fifth Period	
				Escalation Factor Sixth Period	
				60.0	

The escalation factor for this project is: 103.01%

**EXHIBIT C-3: DIRECT LABOR CALCULATION**

Classification (From Exhibit C-1)	(1) Current Average Hourly Rate (From Ex. C-1) SEE NOTE 1 BELOW	(2) Escalated Average Hourly Rate SEE NOTE 2 BELOW	(3) Estimated Work Hours (Including Overtime)	Direct Labor Extension (Col. 2 x Col. 3)
CCM				
Senior Project Manager - Constr Eng	\$63.07	\$64.97	112.00	\$ 7,277.00
CM				
Senior Project Manager - Constr Eng	\$63.07	\$64.97	2,200.00	\$ 142,934.00
Construction Administrator	\$37.28	\$38.40	1,660.00	\$ 63,744.00

Total Estimated Work Hours: 3,972.00  
Must Match Exhibit A  
 Total Direct Labor: \$ 213,955.00  
 Average Hourly Rate: \$ 53.87

- (1) Average Hourly Rate per classification from C1. Hard enter this number. **DO NOT** insert a formula.  
 \* Average Hourly Rates cannot exceed applicable salary caps.
- (2) Current Average Hourly Rate x Escalation Factor. No escalation factor is allowed for employees at or above the salary cap rate

**EXHIBIT D**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**A. VEHICLE REIMBURSEMENT**

Daily Rate	<u>\$65.00</u>	X	<u>495</u>		\$	<u>32,175.00</u>
	Includes Tolls		No. of Days			

Mileage	<u>\$0.54</u>	X	<u>          </u>		\$	<u>          -</u>
	Mileage Rate		No. of Miles			

(Use mileage rate found at:

<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.a>

<b>TOTAL VEHICLE REIMBURSEMENT</b>					\$	<u>32,175.00</u>
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**B. ALLOWABLE DIRECT COSTS - Enter the total budget of items from the attached Allowable Direct Costs list here:**

[http://www.illinoistollway.com/documents/10157/36206/LG\\_TO\\_LLWAY\\_XX\\_ALLOWABLEDIRECTCOSTS\\_08012008.PDF](http://www.illinoistollway.com/documents/10157/36206/LG_TO_LLWAY_XX_ALLOWABLEDIRECTCOSTS_08012008.PDF)

	\$	<u>844.80</u>
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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**

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**TOTAL ITEMIZED DIRECT COSTS**



**EXHIBIT D (Continued)**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**D. PREMIUM OVERTIME**

Classification	Estimate of Overtime Hours	Escalated Hourly Rate (Premium Portion Only) (SEE NOTE 1 BELOW)	Premium Overtime Dollars (Hours x Rate)
Construction Administrator	20.00	\$19.20	\$ 384.00

**TOTAL PREMIUM OVERTIME** \$ 384.00

**(1) Premium portion is equal to 1/2 of the escalated average hourly rate for the classification. This number is to be hard entered. DO NOT enter a formula**

## 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."

## 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.

Project No. I-12-4082

Consultant: V3 Companies

**EXHIBIT E - KEY PROJECT PERSONNEL**

**Project Manager:** Peter Stukas

**Classification:** Senior Project Manager - Const. Eng.

**Resident Engineer:** Beth Rahe

**Classification:** Senior Project Manager - Const. Eng.

**Documentation Engineer:** Michael Tamme

**Classification:** Construction Administrator

**Project Director:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Documentation Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Civil Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Structural Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Drainage Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Senior Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Others:** \_\_\_\_\_

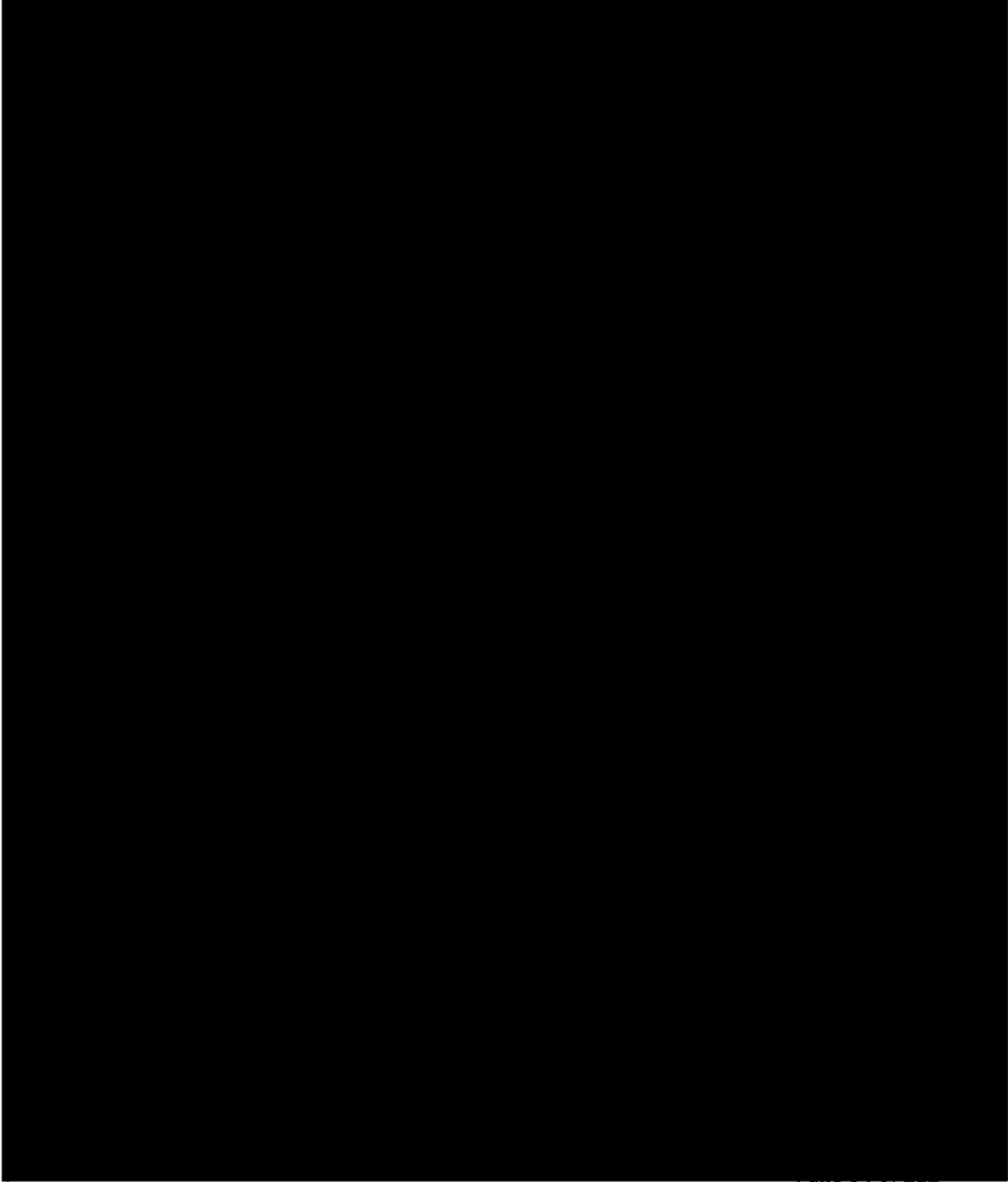
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**List all key personnel titles that are applicable to this project.**

**Attach resumes of all key personnel; Names on resumes must match exactly as they appear here.**

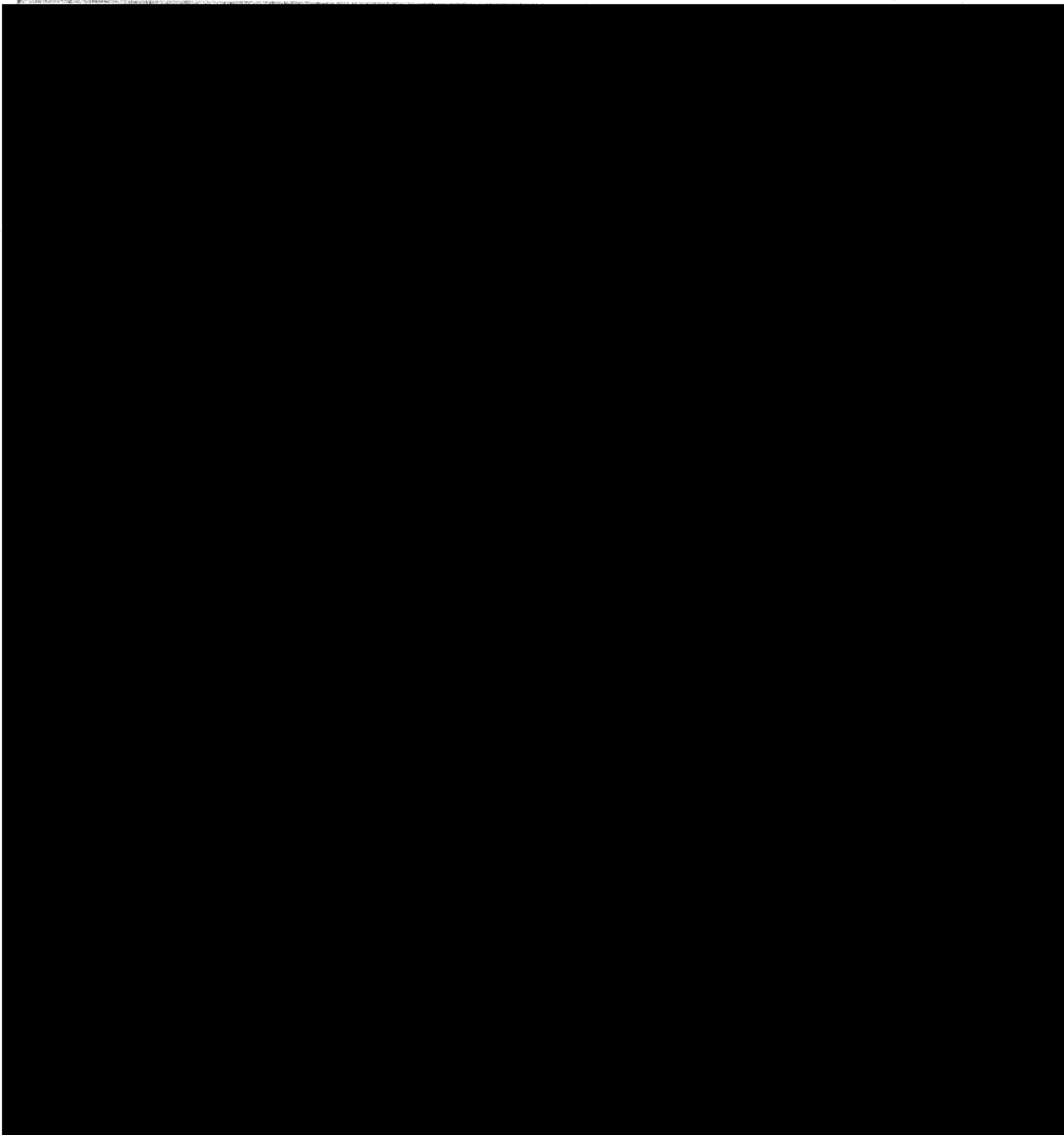


**PETER STUKAS, P.E.**  
Senior Project Manager – Constr. Eng.



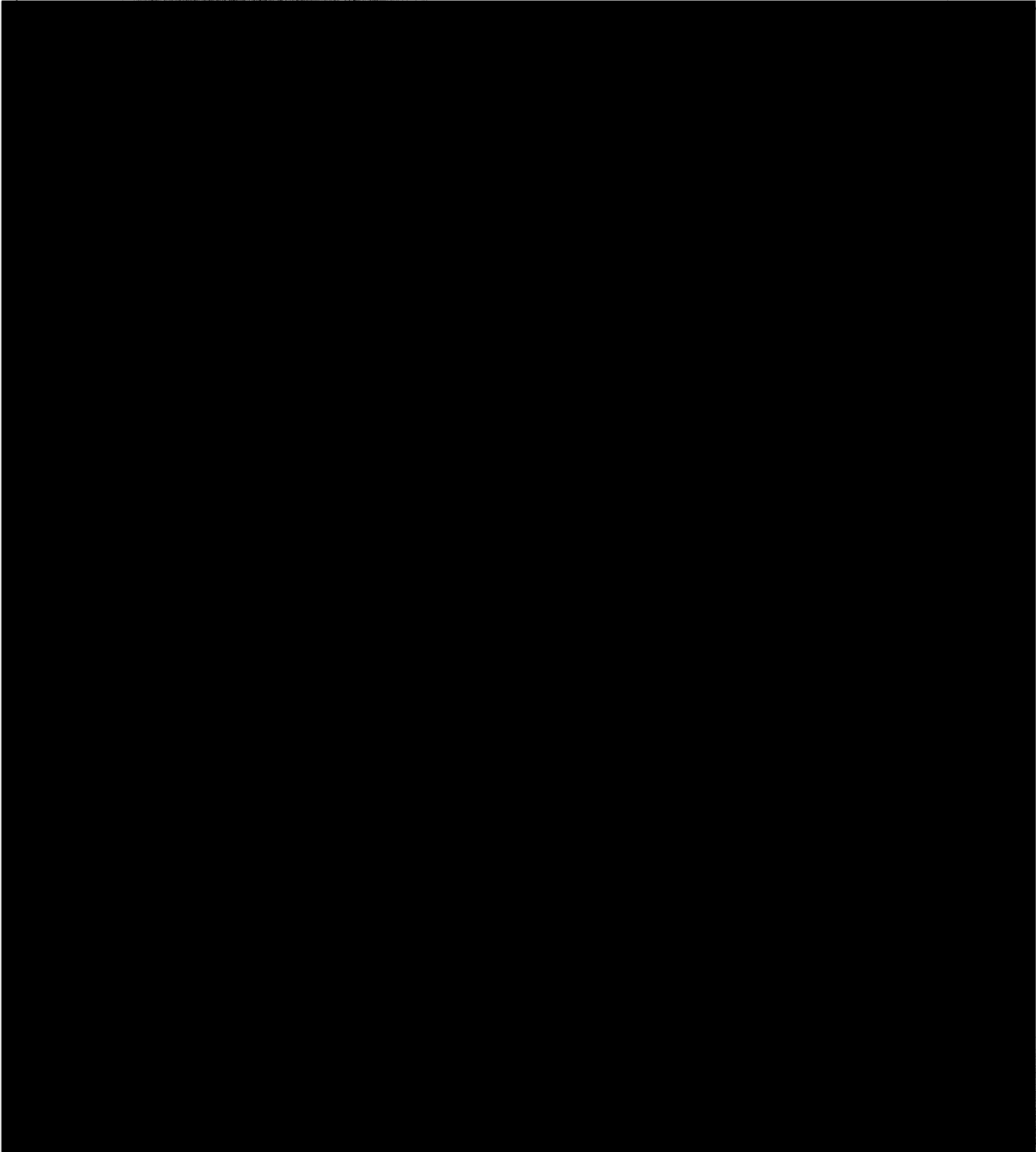


PETER STUKAS, P.E.  
Senior Project Manager – Constr. Eng.





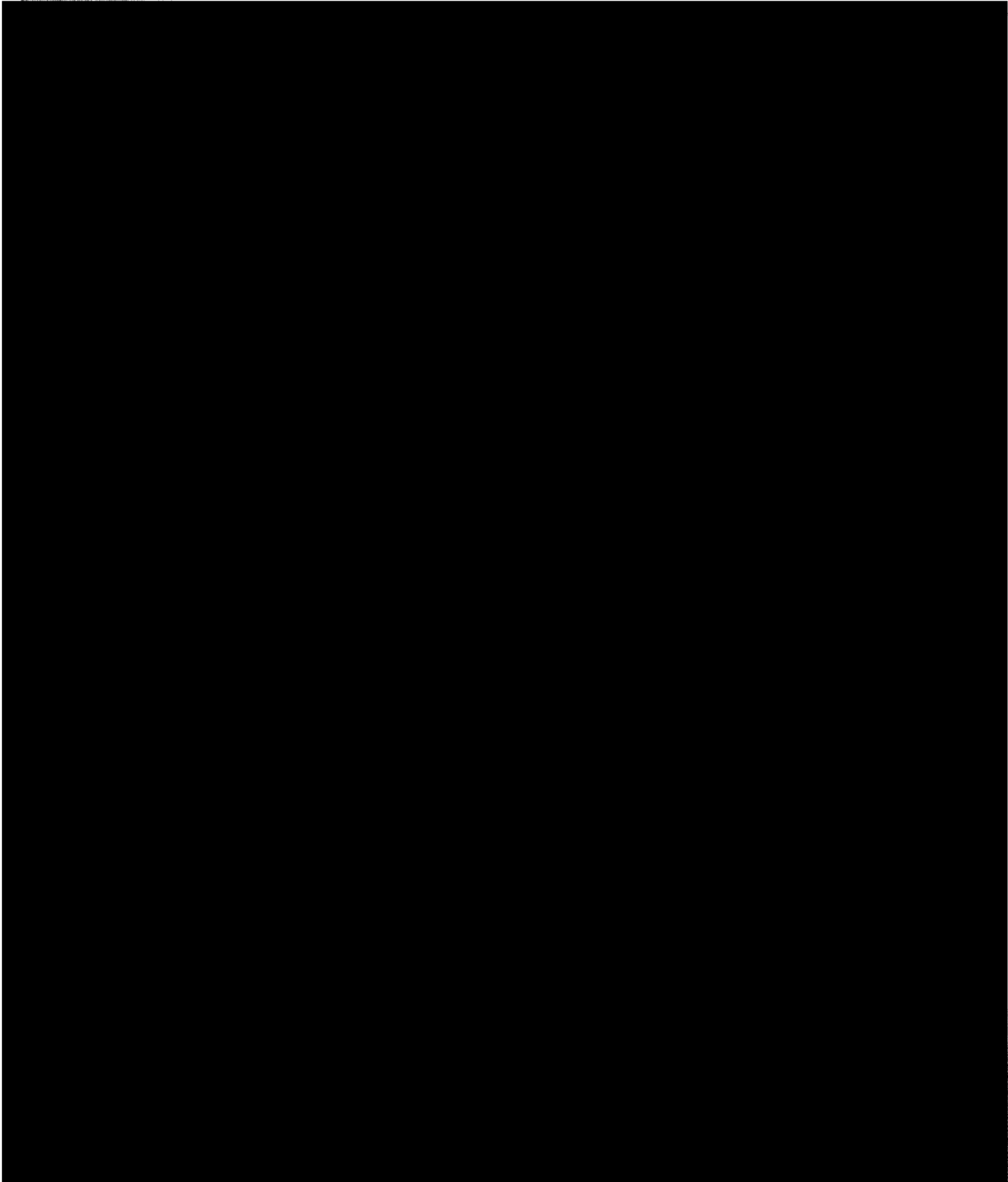
**BETH RAHE, P.E.**  
Senior Project Manager – Constr. Eng.





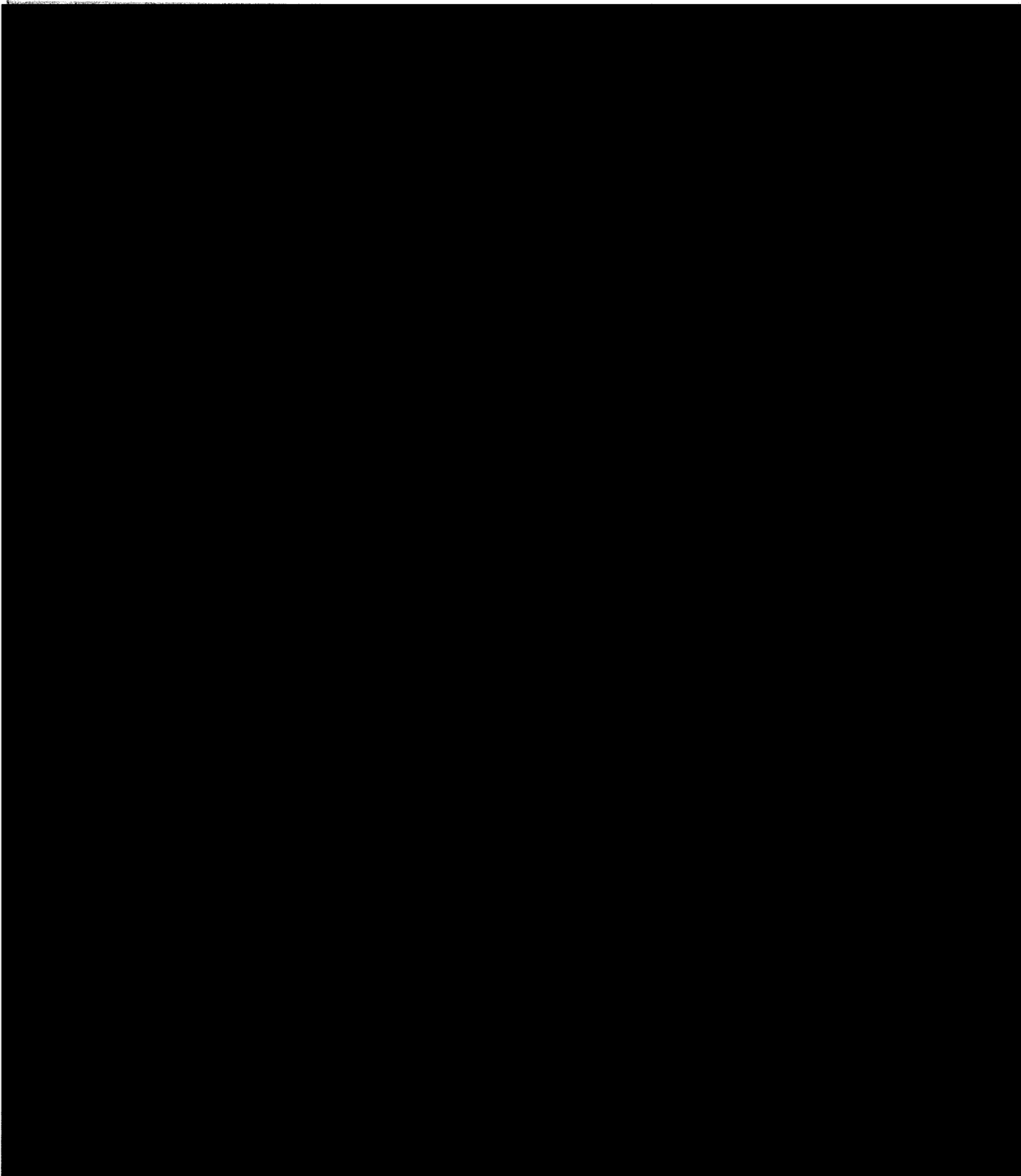


BETH RAHE, P.E.  
Senior Project Manager – Constr. Eng.





MICHAEL TAMME  
Construction Administrator





MICHAEL TAMME  
Construction Administrator

V3 Companies

**Exhibit F**  
**Scope of Work**

**Elgin O'Hare Western Access  
Corridor Construction Management Services**

Contract No. I-12-4082

**Illinois State Toll Highway Authority**

## I. PROJECT DESCRIPTION

This project is to provide Phase III engineering services as required for the corridor construction management, construction inspection, and supervision at selected locations, including the I-290 flyover ramps and other miscellaneous construction contracts associated with the Elgin O'Hare Western Access (EOWA) project in DuPage and Cook Counties, Illinois. The EOWA corridor will consist of separate Construction Management (CM) sections. Within each CM section will be individual construction packages. Each CM may provide phase III engineering services for one or more construction packages.

The project also includes Phase III engineering services including construction inspection and supervision for the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps. Phase III engineering services also include the east segment of ITS installation. The Consultant will perform on-site inspection, review layout of the contract including design changes, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with Tollway specifications. The Consultant must complete and submit final measurements, calculations and final contract documents to the Tollway no later than six (6) weeks after completion of Punch List for the project. The Consultant must have MicroStation capabilities. All final documents shall be submitted in hard copy and electronic format and follow the ICAPP Manual. All CADD file documents shall be required to contain all record drawing modifications.

The EOWA project consists of upgrading and extending the Elgin O'Hare Expressway between IL 19/Gary Avenue and the O'Hare Western Access for about 10 miles. Between IL 19/Gary Avenue and I-290, the expressway will be widened and upgraded along the existing alignment. East of I-290, extending to the Western Access and the proposed O'Hare West Terminal, Thorndale Avenue will be upgraded to a new full-access controlled expressway. The median will accommodate potential dedicated transit service. To accommodate local traffic circulation, frontage roads are proposed extensively throughout the corridor. Service interchanges will provide access at IL 19, Springinsguth Road, Wright Boulevard, Roselle Road, Meacham Road, Rohlwing Road, Park Boulevard, Arlington Heights Road/Prospect Avenue, Wood Dale Road, and IL 83. Access to other intersecting roadways will be provided by a frontage road system. A full-access system interchange will be provided at I-290.

The EOWA project also consists of constructing the O'Hare Western Access, an access controlled Tollway section that will extend from I-90 at the current location of the Des Plaines Oasis to I-294, about 6.2 miles along the western edge of O'Hare Airport. The Western Access Tollway will generally extend southeast along the north edge of Green Street, then cross the Union Pacific Railroad and proceed south, paralleling the east side of the railroad, to a new system connection with I-294 near Grand Avenue. A new bridge that reconnects Taft Road across the Bensenville Yard, linking Franklin Avenue and IL 19 will be constructed, and a full-access system interchange will be provided at I-294. Part of I-294, extending roughly from Grand Avenue south to North Avenue, will be improved to accommodate system ramp connections and lane balance requirements. The proposed median will accommodate potential dedicated transit service north of Thorndale Avenue. System interchanges are proposed at I-90, the Elgin O'Hare Tollway, and I-294. Service interchanges are proposed at IL 72, the proposed O'Hare West Terminal, IL 19, and Green Street/Franklin Street.

## II. CONSTRUCTION MANAGEMENT (CM) SERVICES

### A. EXECUTION OF ENGINEERING SERVICES

1. The CM shall furnish services in accordance with the articles contained in the Authority's CM Manual dated March, 2012, and all applicable Tollway Criteria, Manuals and Bulletins.

Phase III construction management services will be provided for various construction contracts within the corridor, including but not limited to the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps.

2. The CM shall screen loads before they are sent to a Clean Construction or Demolition Debris (CCDD) facility using a 10.6 eV Photoionization Detector. The Detector should be provided by the CM.
3. The CM shall include the Design Corridor Manager (DCM) and Design Section Engineer (DSE) as sub-consultants for the review of shop drawings or for responses to inquiries concerning the design and plan interpretation during construction. This scope of work for the DSE's is not included separately.

### III. CORRIDOR CONSTRUCTION MANAGEMENT (CCM) SERVICES

#### A. EXECUTION OF ENGINEERING SERVICES

1. The Corridor Construction Manager (CCM) is responsible for all aspects of the construction management, coordinating the efforts of the individual project Construction Managers (CM) and a construction support team. The CCM reports directly to the Tollway Project Manager. The CCM will be responsible for coordination of the construction work for the Tollway. The CCM will provide a project lead that will be the single point of contact for the project and will be responsible for overall management of the project and coordination and management of the various project contracts. The CCM shall regularly coordinate and meet with the project consultants (CMs, CM Upon Request (CUR) consultants, Survey Upon Request (SUR) consultants, Design Corridor Manager (DCM), Land Acquisition consultants, Geotechnical Services Upon Request consultants, Utility Coordination and SUE consultants, other project consultants as necessary) and Tollway Departments (including but not limited to Maintenance and Operations, Tollway Engineering, Business Systems, ITS, Land Acquisition, Communications and Planning).

The tasks to be performed by the CCM shall include but not be limited to the following:

1. Support Tollway's internal decision-making process for scope definition, budget change approval, schedule change approval and quality control.
2. The CCM will assist the Tollway in identifying services required to be performed by other contracts and preparation of associated scopes of work and project schedule documents for such contracts. The CCM will assist in reviewing and coordinating project consultants project reporting. The CCM shall coordinate between various contracts managed by others to ensure that the corridor established schedule is maintained in order to meet project need.
3. The CCM will provide recommendations for contract packaging based upon project priorities and criteria. The DCM will prepare associated exhibits and reports.
4. Coordination and project management of CM contracts. The CCM will be the single point of contact between the Tollway and project consultants and will be responsible for delivery of project contracts through the construction phase in accordance with established Tollway schedules and budget. The CCM scope of work includes coordinating corridor construction issues, maintaining a corridor decision log, ensuring consistency (MOT, Communication, etc.), preparing transmittal memos and letters, chairing corridor wide meetings (eg. Stage Change meetings) and assistance with preparation of Staff Summary Sheets required for changes in project schedule and budget.
5. Attend project meetings including contract preconstruction meetings, preconstruction materials meetings, preconstruction sediment and erosion control meetings, weekly progress meetings and other meetings as required.
6. The CCM will monitor CM/Contractor adherence to Soil and Erosion Control requirements.
7. Coordination of Intergovernmental Agreements and/ or permits with IDOT, Local Agencies, airports and Railroads. The CCM shall be the main single point of contact with the affected agencies and will coordinate with the DCM to ensure that all project related agreements and permits are secured for each construction contract. The CCM shall regularly meet with the affected agencies and coordinate project issues with the Tollway, CMs and other affected parties. The CCM will be the single point of

- contact with IDOT, Local Agencies, airports, railroads and other affected agencies for construction phase activities.
8. Coordination with project stakeholders including; airports, communities, business organizations, general public and other interested parties. The CCM scope of work includes assisting the DCM with coordination of public outreach meetings and regular agency coordination meetings, preparation of corridor exhibits and chairing meetings with interested parties as requested; preparation of project information that can be distributed to interested parties; participation in public meetings including providing project presentations; coordination with Tollway Communications Department and providing corridor information and exhibits. The CCM will prepare exhibits and meet with Local Agencies and IDOT to discuss project impacts to Local and IDOT facilities (including cross road traffic and drainage impacts). The CCM will coordinate with the DCM to maintain a log of permits, agreements, etc. required from IDOT and Local Agencies, railroads and utilities.
  9. The CCM will maintain a corridor design and construction schedule. The CCM will maintain a corridor construction cost estimate. The corridor design and construction schedule will be required to be maintained in Primavera P6 format or latest update. The CCM will review DCM developed schedules and will concur with the schedule or make recommendations for modifications.
  10. Periodic observation of CM activities to verify their knowledge, skill, and ability to achieve the desired results. Provide Tollway PM input after observations.
  11. Provide input toward Contractors Interim Performance Evaluations and Final Performance Evaluation. (ISO P 3040), Submit to Tollway DPM of construction for review and consideration.
  12. Review and approve Authorization to Proceed prior to submittal to C5 committee. Review and approve Change Orders and Extra Work Orders prior to submittal to the Tollway. (ISO P 3080)
  13. Facilitate documentation, tracking and resolution of Contract Dispute Resolution Procedure. (ISO P 3120)
  14. Address all construction issues raised by the Tollway Departments.
  15. Assist the C5 committee in resolving any discrepancies between the contractor's estimates and CM's independent cost estimate in order to reach an agreement.
  16. Assist in the notification of local officials of major, disruptive construction work.
  17. Assist Tollway departments in responding to inquiries from public officials and/or the press.
  18. Promote informal partnering by establishing working relationships between the Contractor, CM, DSE, outside agencies and the Tollway.
  19. Review and make recommendations with respect time extensions of project schedule related to change orders and extra work orders.
  20. The CCM will assist in preparation of Board Meeting materials including review of Board Script information, Board Item summaries, etc.
  21. Track CM process for warranty and submittals.
  22. Develop a corridor earthwork management plan in cooperation with the Design Corridor Manager (DCM) and Tollway.
  23. Documenting lessons learned and providing applicable documentation and direction to CMs.
  24. Public Coordination services including, but not limited to, those associated with the project Local Advisory Committee. The DCM will continue as the lead for the Local Advisory Committee with participation by the CCM as necessary.



25. Diversity and Sustainability Initiatives. The CCM will be required to coordinate with the project CMs and report on corridor performance with respect to DBE/EEO progress and goal attainment, green initiative progress, etc.
26. Administrative support including, but not limited to, preparation of project correspondence, scheduling meetings, preparation of meeting agendas and meeting minutes, Proliance Web Based Management administration and communication.
27. The CCM will be required to utilize the Tollway's Web Based Project Management System for all official project communications.

The corridor construction support team is comprised of construction and documentation engineers reporting directly to the CCM and are responsible for coordinating the efforts of the various CMs and ensuring that the day to day activities of the CMs and respective Contractors are in accordance with the Tollway Construction Manual and meet Tollway criteria. The tasks to be performed by the corridor construction support team shall include but not be limited to the following:

1. Provide bid phase and post design coordination and support.
2. Provide general coordination and oversight of the Construction Project Managers (CPM). Monitor CMs and assist in resolving anticipated field problems.
3. Make recommendations to the Tollway with respect to field changes and other technical field problems.
4. Coordinate and monitor CPMs for consistency between construction sections.
5. Review contract documents and specifications with regard to constructability and consistency between design sections. Coordinate and confirm completion of constructability reviews by CMs.
6. Provide separate constructability reviews from the CM with the objective to ensure consistency between design sections, that the numbers of potential change orders are minimized and the probability of delays and disputes are reduced.
7. Coordinate required revisions identified within the constructability reviews with the DCM.
8. Attend meetings with Tollway and outside agencies for issues that arise during construction.
9. Coordinate and monitor the CMs for consistency between sections by performing on-site internal QA audits of CM's documentation and material inspection for compliance with approved plans and procedures.
10. Coordinate overall construction issues, stages, etc. between adjacent projects.
11. Utilize the Tollway's web-based management software to inform Construction Management Team (CM, CPM & CCM) of resolution of corridor issues.
12. Coordinate and attend monthly construction coordination meetings with project CMs. Document in accordance with Tollway procedures. Schedule and invite meeting attendees and Tollway stakeholders, as required.
13. Quarterly review (minimum) of implementation and construction activities for compliance with approved QNQC plan.
14. Issues NCR's when applicable and monitors the NCR process as it related to their project. Reports investigation and action to prevent reoccurrence to CCM. (F 5070)
15. Assist in coordination and attend all coordination meetings between affected municipalities, utilities and other agencies required for the project.
16. Assist DCM to resolve design issues that arise during construction and communicate resolution to Construction Project Managers.
17. Facilitate and expedite contract closeout to ensure that all work is completed in accordance with the contract documents. Schedule final closeout meeting.

18. Monitor Quality Assurance items such as:
  - a. Monitor NCRs initiated by the Tollway, DSEs, CMs and Contractors for trends that required corrective action initiatives.
  - b. Monitor customer complaints and other customer feedback to identify the need for corrective action initiatives or the opportunity for preventative actions.
  - c. Initiate and monitor preventative action initiatives and report on their status to the Tollway Design Managers. (F 5050)
19. Review warranty materials assembled by the CM and summarize key components for the Tollway.
20. Frequent/Daily Review of CM logs (RFI's, Shop Drawings, PCO's, etc.) for timeliness of response, action and reporting, review response/direction for CM for item closure.
21. Frequent/Daily Review tracking of approved extra work orders relative to approved/submitted pay request versus approved PCO upper limit.
22. Coordinate the scheduling of preconstruction meeting and distribution of the Meeting Agenda (P 1040). Confirm all Tollway Departments and outside agencies with a stake in the project are invited.
23. Assist the CM in coordinating the pre-construction meeting.
24. Responsible for follow-up activities associated with the preconstruction meeting.
25. Maintain knowledge of overall project status as well as impacts of construction on Tollway users and surrounding communities.
26. Monitor CM's activities to confirm tasks set forth in the Tollway Construction Manual are completed.
27. Coordinate responses to RFI's and project submittals.
28. Coordinate and facilitate construction submittal review with Tollway departments. Schedule review meetings with Tollway departments as required expediting approval of critical items.
29. Prioritize and expedite resolution of issues that arise during construction
30. Elevate Lessons Learned issues that arise during construction to the CDM and CCM, whom subsequently inform other design or construction sections.
31. Confirm submittal, review and approve monthly Project Status Reports. Confirm that project binders are updated weekly with weekly reports and logs.
32. Review and monitor CM documentation and material inspection, including Contractor adherence to the Contract DBE and EEO plans.
33. Monitor material inspection and QAQC programs.
34. Monitor the response time for and coordinate consistency of RFI's, submittals and correspondence.
35. Review and approve C5 Authorizations and Change/Extra Work Orders for completeness and accuracy prior to forwarding to the Tollway for processing.
36. Review progress schedules and adherence to the Approved Progress Schedules.
37. Review Value Engineering proposals for feasibility and benefit to the Tollway via written recommendation.
38. Attend weekly coordination and progress meetings with the CM, Contractor and Tollway staff.
39. Perform reviews (as required) of CM internal QA audits for compliance with approved plans.
40. Perform audit duties as requested to satisfy documentation review requirements.
41. Monitor CM and Contractor activities and issues NCRs as required.
42. Monitor CM and Contractor activities for schedule critical path elements.
43. A contingency has been added to the contract in order to allow for potential Corridor Construction Management Services for construction contracts that may be advanced and that are associated with receipt of non-Tollway funding for construction. A

requirement of such funding is that work needs to start within a specific time frame. The Tollway is adding has included contingency funding to the contract to ensure that the Tollway is in a position to receive the funding and manage the construction for any of these projects if they are approved. Contingency funding has also been included to allow for an EOWA corridor project office. The Tollway is continuing to explore opportunities for a project office to allow for a project office to be leased along the EOWA corridor at no cost to contract. Operating expenses for the project office are not anticipated to be provided for no cost and are assumed to be included in the contingency amount included in the contract. Release of contingency for operating expenditures for the project office will be required regardless of whether or not the Tollway will be responsible for lease of the office.

The Corridor Construction Manager (CCM) is to assist the Tollway and the DCM as communications liaison with all stakeholders. The tasks to be performed as communications liaison shall include but not be limited to the following:

1. Develop and distribute to all stakeholders a monthly construction stage change schedule. Prior to all significant stage changes, schedule, invite attendees and coordinate a stage change review meeting to present the upcoming stage change and impacts on Tollway users, traffic congestion, toll plaza personnel, and local municipalities.
2. Attend periodic Tollway Communication Department meetings as requested to provide program project summary.
3. Coordinate all lane closures and traffic stage changes for all construction contracts with the Tollway Maintenance, Communications, Toll Services, Facilities Maintenance as well as adjacent Tollway, IDOT, and local agency projects. Work will include ensuring that lane closure information is consistent, accurate, reliable and timely.
4. Will act as single point of contact for IDOT and local municipality coordination for construction phase activities. Coordinate development and tracking of status permits. Develop and track intergovernmental agreements and provide status updates to the effected agencies. Track reviews by outside agencies (non-utility) for timeliness and incorporation in the plans.
5. Provide executive level communication protocols to assure information is delivered in a format that supports the Tollway's internal decision making processes.
6. Prepare Incident Management Plan appendices.

The Construction Corridor Manager and its subconsultants are precluded from managing and directly supervising work that they are performing under other Tollway contracts. The following shall apply:

The CCM and its subconsultants can perform work on other Tollway projects provided that:

1. The consultant does not serve as the Tollway's project manager overseeing work done by that consultant firm on another Tollway contract - specifically if the consultant reviews progress reports and invoices of a contract that has that consultant as a part of the team.
2. The consultant does not review their own firm's work if that consultant firm is working on another Tollway contract.
3. Any other potential issue that a professional firm, professional individual or the Tollway reasonably determines is inappropriate shall not be allowed to occur.

**IV. REQUIRED SUBMITTALS TO THE AUTHORITY**

Submittal requirements shall be in accordance with the CM Manual.

**V. ITEMS TO BE FURNISHED TO THE CONSTRUCTION MANAGER**

In addition to the items to be provided as described in the CM Manual, the following will be supplied:

1. It shall be the responsibility of the CM to select the applicable reduced record drawings from the Tollway's GIS Site.
2. Digital Ortho-Imagery, contours, horizontal and vertical survey control and center line of the project limits.
3. Copies of ISTHA Standard Specifications, Standard Drawings, and ISTHA Design Criteria can be obtained from the Tollway's website.
4. Copy of contract documents for all construction contracts noted in Section II.

**PROJECT SCHEDULE**  
**Contract No. I-12-4082**  
**Corridor Construction Management and Construction Management Services**  
**Elgin O'Hare Western Access Tollway**

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**SCHEDULE**

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1.	Proposal Meeting	January 2013
2.	CM Proposal Submittal	February 1, 2013
3.	CM Proposal Approval	February 8, 2013
4.	Board Award	February 28, 2013
5.	NTP	May 1, 2013
6.	Construction Start Date	July 17, 2013
7.	Construction Contract Completion**	June 30, 2018

\*\*Represents completion of construction for U.S. 20 to IL 83 section, wetland mitigation site and initial O'Hare access ramp from York Road.

See Attachment "A"

### Bridge Improvements within Project Limits

**Contract No. I-12-4082**  
**Corridor Construction Management and Construction Management Services**  
**Elgin O'Hare Western Access Tollway**

<b>4039 Elgin O'Hare: U.S. 20 to Meacham Rd/Medinah Rd.</b>						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		US 20 <sup>1</sup>	U	Steel	B (IDOT)
	EB, WB		Metra RR <sup>1</sup>	O	Steel	A
	EB, WB		Gary Avenue Ramp	U	Steel	A
	EB, WB		Springinsguth Road and Ramp	O	Steel	A
	EB, WB		IL 19	O	Steel	A
	EB, WB		Rodenberg Road	O	Steel	A
	EB, WB		Wright Boulevard	O	Steel	A
	EB, WB		Mitchell Boulevard	O	Steel	A
	EB, WB		CPRR Spur	O	Concrete	A
	EB, WB		Roselle Road	U	Steel	B (Cook)
	EB, WB		Plum Grove Road	U	Steel	B (Roselle)

<b>4014 Elgin O'Hare: Meacham Rd./Medinah Rd. to Arlington Heights Rd.</b>						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Medinah/Meacham Rd	O	Steel	B(DuPage/Cook Co.)
	Ramp G1		Ramp G7, EO Expy and I-290 <sup>1</sup>	O		B(IDOT)
	EO		Rohlwing Rd	U		B(IDOT)
	Ramp K2		Ramp G3	O		A
	Ramp K1		Ramp G2 and G5	O		A
	WB EO/Ramp K1		I-290 <sup>1</sup>	O		A
	Ramp G5		I-290 and EO Expwy <sup>1</sup>	O		B(IDOT)
	EB EO		I-290 <sup>1</sup>	O		A
	Ramp G3		I-290 <sup>1</sup>	O		A
	Ramp G1		Ramp G7 <sup>1</sup>	O		B(IDOT)
	Ramp G6		Ramp K3 <sup>1</sup>	O		B(IDOT)
	EB, WB		Park Blvd.	O		A
	EB, WB		Arlington Heights Rd.	O		A.
	Rohlwing Rd.		Dry Land Bridge	O		B(IDOT)

4042 Devon Av Bridge Reconst. Park Blvd./Pierce Rd./Ketter Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB/WB Devon Av		I-290	O	TBD	B(IDOT, Cook Co.)

4040 Elgin O'Hare: Arlington Heights Rd. to Lively Blvd.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Prospect Avenue	O	TBD	A
	EB, WB		Salt Creek	O	TBD	A
	EB, WB		Salt Creek Frontage Road	O	Steel	TBD
	EB, WB		Mittel Boulevard	O	TBD	A
	EB, WB		Wood Dale Road	U	TBD	B (DuPage)

4041 Elgin O'Hare: Lively Blvd. to Supreme Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Lively Boulevard	O	TBD	A
	EB, WB		IL 83	O	TBD	A
	EB, WB		RR Spur	O	TBD	A
	EB, WB		Supreme Drive	O	TBD	A

TBD						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	Hook (Ramps Q1, Q5, and Q6)		Over Ramps P1 and P8, West Bypass, RR Tracks, and York Rd.	O		B(DuPage)

- \*\* A Type – Illinois Tollway has complete maintenance responsibility.
  - \*\* B Type – Illinois Tollway has partial maintenance responsibility.
  - \*\* C Type – Illinois Tollway has complete or partial maintenance responsibility.
- <sup>1</sup>CM responsibilities

## Attachment A

### Web-based Project Management System

The Illinois Tollway has a Web-based Project Management System (System) that will be used by project participants on Tollway CRP projects. The System provides a number of benefits to the project participants, including:

- 1) Simplification of communications.
- 2) Automated tracking of time-sensitive items.
- 3) Automated reporting.
- 4) Common document management and storage as electronic documents will reside in a central repository.
- 5) Audit trail of information so project participants will be able to determine who did what and when.
- 6) Real-time access and exchange of information.
- 7) Easy, secure, 24/7 access to project information over the Internet via a computer and an Internet browser.

The successful consultant must establish broadband Internet connectivity in order to effectively utilize the System (T1 is recommended) and must comply with all work instructions and procedures relating to its use. The consultant must furnish all hardware and software required to effectively utilize the System, including personal computers, peripheral software, virus protection software, System plug-ins, ActiveX installation, firewall configuration and high-speed document scanners. The consultant will be solely responsible for coordination between its subconsultants & suppliers, and the System. All document transmittals and written communication from the consultant to the Illinois Tollway must be made electronically via the System. In certain cases where "wet signatures" and/or stamps are required by the Tollway, document transmittals must be made simultaneously via the System for record and by traditional means for paper documents, unless the consultant is directed otherwise in writing by the Tollway. Once stamped/signed documents have been obtained, they must be scanned and uploaded to the System for record.

All consultant, subconsultant and supplier employees who will use the web-based system must complete the training provided by the Tollway prior to having access to the system. A valid e-mail address must be provided prior to training session. The consultant agrees to comply with all terms and conditions associated with use of the web-based project management system.

- 1.0 Consultant shall utilize ISTHA web based project management system to track and manage projects. System shall be an official record of all project communication. Consultant shall post copies of all project related documents on the System.
- 2.0 Within 14 calendar days of Notice to Proceed , Consultant shall designate a website manager (coordinator) who is to be the point of contact with ISTHA website implementation and support staff.

- 3.0** Consultant is required but not limited to submit the following using the System:
- 3.1 Submittal schedule, submittals shall be processed using the System to provide a record of activity.
  - 3.2 Progress reports.
  - 3.3 Inspection reports.
  - 3.4 Requests for information, project clarifications, general communication and project related issues.
  - 3.5 Meeting agendas, no later than 3 days before meeting.
  - 3.6 Minutes of meetings, no later than 3 days after each progress meeting date, distribute copies of minutes via the System to each party present and to other parties who should have been present. Include a brief summary in narrative form of progress since the previous meeting and report.
- 4.0** Document submission requirements. Project documents transmitted via the System must comply with the following electronic formats:
- 4.1 Documents that are marked up or unavailable in electronic format (drawings, sketches, correspondence, etc. generated by hand drafting methods) shall be scanned to PDF (.pdf) , black and white with maximum resolution of 200dpi using CCITT Group 4 (2d Fax) compression.
  - 4.2 Documents that have been generated using Adobe Acrobat PDF printer drivers (not scanned) shall be submitted to the System.
  - 4.3 Electronic photographs shall be submitted in JPEG (.JPG) file format, sized at a minimum resolution of 1024x768 pixels.
  - 4.4 Grayscale or color photo images that are scanned shall be saved in JPEG (.JPG) file format with medium to low quality compression at a maximum resolution of 200 dpi.
  - 4.5 Product data that is available for download from the Manufacturer's website, that has been generated using Adobe Acrobat .PDF printer drivers (not scanned) may also be submitted via the System.



<b>System Requirements</b>	
Operating System	Windows XP
Internet Browser	Internet Explorer version 6.0 or greater
Processor Speed	2.0 GHz or greater
System Memory (RAM)	512 Megabytes or greater
Hard Drive Space	1500 Megabytes (1.5Gb)
Display Resolution	1024x768 or greater
Connection Type	Broadband Internet Connection (T1) – If a T1 is not an available option, each System participant must have a dedicated (not shared) DSL or equivalent Internet connection.
Other hardware	CD-ROM or DVD drive
<b>Recommended Professional Document Scanners<sup>6</sup></b>	
Medium Format Scanner <sup>1</sup>	Canon DR-5020 Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Canon DR-5080C Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D IPC Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D VRS Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Epson GT-30000 Document Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS610 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS810 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select P36 Color Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select MP36 MonochromeScanner or equivalent
<b>Required Additional Software</b>	
Portable Document Format(.PDF) file reader	Adobe Acrobat Reader <sup>2</sup>
Portable Document Format(.PDF) file generator	Adobe Acrobat <sup>3</sup>
ZIP File compression utility	WinZip <sup>4</sup> or equal

<sup>1</sup> Large and medium format scanning may also be outsourced to a digital reproduction house in your locale.

<sup>2</sup> Adobe Acrobat Reader is free software available for download at <http://www.adobe.com/>

<sup>3</sup> Adobe Acrobat is not a free software and must be purchased. At least one copy of the software must be purchased by the Consultant and must reside on a PC accessible to all users within the Consultant's office. The purchase and installation of multiple copies is recommended.

<sup>4</sup> A fully functional evaluation version of WinZip is available for download at <http://www.winzip.com/>, alternative free file compression utility is 7-zip available at <http://www.7-zip.org/>

**Note:** The scanner models specified meet the requirements of website usage and are provided for information purposes only. Scanner models may change or be discontinued by the manufacturer.

Exhibit F -  
Attachment "A"

Contract / Section No.	Description	Schedule														
		Start Date	Finish Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
W01	US 20 to Roselle	3/15/2014	10/31/2014													
W02	Roselle to Meachem	3/15/2014	12/1/2014													
W03	Noise Walls - US 20 to Roselle	7/17/2013	10/31/2013													
W04	Noise Walls - Roselle to Meachem	7/17/2013	10/31/2013													
C01	Rohlwing Road Overpass	11/22/2013	9/26/2015													
C02	Elgin O'Hare - Meachem to IL 53	3/24/2014	11/1/2015													
C03	NB I-290 WB to Elgin O'Hare	3/15/2014	9/20/2015													
C04/C05	Ramps: EB I-290 to WB Elgin O'Hare, E. IL 53 & EB EO to I-290	3/24/2014	11/1/2015													
C06	WB Elgin O'Hare to I-290	3/27/2015	11/1/2016													
C07	EB Elgin O'Hare - IL 53/Rohlwing Rd to Park	3/25/2016	11/1/2017													
C08	Elgin O'Hare - Park to Arlington Hts Rd	3/25/2016	11/1/2017													
C09	Devon Ave Bridge	3/19/2015	11/1/2015													
C10	Park Blvd - Pierce Rd - Ketter Dr	3/29/2014	8/31/2014													
C11	Elgin O'Hare - Arlington Hts to Salt Creek	3/15/2016	11/1/2017													
C14	Maintenance Facility	3/26/2015	11/13/2015													
E01	Elgin O'Hare - Salt Creek to Lively Blvd	3/15/2016	10/1/2017													
E02	Elgin O'Hare - Lively Blvd to IL 83	3/15/2016	12/1/2017													
E03	Elgin O'Hare - IL 83 to East of Supreme Dr	3/15/2018	11/29/2020													
N04	Western Access from York Road	4/1/2017	9/28/2018													
	Wetland Mitigation Site - Lake County															
TL01	Tolling - US 20 to I-290	10/21/2014	8/16/2015													
TL03	Tolling - I-290 to Salt Creek	4/5/2017	10/21/2017													
TL04	Tolling - Salt Creek to IL 83	7/5/2017	7/1/2018													
S01	I-294 @ IL 64 & County Line Rd	3/15/2020	11/1/2021													
S02	Taft Avenue Extension	3/15/2018	11/1/2019													
IN02	Elmhurst Rd/Touhy Ave Interchange	3/15/2017	7/31/2018													
IN01	Elhurst Rd/Oakton St Interchange	3/15/2015	11/1/2015													
N07	Touhy Ave UPRR Grade Separation	4/1/2021	11/1/2022													
S11	Franklin Park Drainage Improvements	3/15/2018	11/1/2019													
TL06	Tolling - I-294 at IL 64	11/1/2020	11/1/2021													
TL07 partial	Tolling - Franklin/Green to I-294 (Use 10% - S02 project)	10/31/2019	11/1/2020													

-  CM Services
-  CCM Services
-  Contingency CCM Services

**EXHIBIT G**

**CURRENT OBLIGATIONS FOR PROJECT  
I-12-4082  
V3 Companies**

<b>Route &amp; V3 Job No.</b>	<b>Work Scope &amp; Description of Project</b>	<b>Fee (Including all Supplementals and Extra Work Orders)</b>	<b>Fee Remaining To Be Earned</b>	<b>Estimated Date of Completion</b>
<b>EOWA</b> 13054	Elgin O'Hare Western Access (EOWA – 4082)	\$30,108,000	\$10,792,465	05/01/2018
<b>METRA</b> 09178.03	UPRR North Line Reconstruction of Bridge	\$6,376,650	\$1,733,858	11/30/2019
<b>RCMA</b> 11012	Residential Concrete and Miscellaneous (RCMA) – CDOT Various	\$1,057,648	\$115,000	12/31/2016
<b>I-90 DCM PSB(11-4)</b> 12087	I-90 DCM (I-11-4018)	\$4,372,451	\$297,564	02/28/2017
<b>CDOT</b> 11169.21	2015-2016 Ancillary Sewer Construction	\$3,639,731	\$370,417	10/31/2016
<b>Washington Street</b> 14144	Washington Street Underpass (Lake County, IL)	\$2,212,512	\$959,024	09/30/2017
<b>Union Station</b> 14030	Union Station Transportation Center	\$2,128,329	\$565,816	12/23/2019
<b>Dan Ryan, Wilson Transfer Station, Blue Line</b> 13104.01.02.03	CTA Construction Quality Services (RTA)	\$1,999,956	\$851,352	06/30/2018
<b>UP Power/Fiber Optic</b> 15159	Moffat – UP Power/Fiber Optic	\$2,000,000	\$917,077	7/31/2017
<b>Stratton Lock &amp; Dam</b> 14024.01	Stratton Lock & Dam Improvements	\$1,067,153	\$527,927	11/30/2017
<b>CDOT</b> 11169.20	TOR #88	\$1,037,180	\$683,543	07/31/2017
<b>CSO</b> 14238	CSO Long Term Controls Project	\$775,500	\$316,014	01/23/2017
<b>TOTAL</b>		<b>\$56,775,110</b>	<b>\$18,130,057</b>	

**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

<hr/>	
Direct Labor	_____
Direct Costs	_____
Services by Others	_____
Additional Services **	_____
Total this Subconsultant (ULC)	\$ _____

6

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Direct Labor	\$ _____
Direct Costs	\$ _____
Services by Others	\$ _____
Additional Services **	\$ _____
Total this Subconsultant (ULC)	\$ _____

2

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Direct Costs	_____
Services by Others	_____
Additional Services **	_____
Total this Subconsultant (ULC)	\$ _____

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Direct Labor	\$ _____
Direct Costs	\$ _____
Services by Others	\$ _____
Additional Services **	\$ _____
Total this Subconsultant (ULC)	\$ _____

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Direct Labor	\$ _____
Direct Costs	\$ _____
Services by Others	\$ _____
Additional Services **	\$ _____
Total this Subconsultant (ULC)	\$ _____

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Additional Services **	\$ _____
Total this Subconsultant (ULC)	\$ _____

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Services by Others	\$ _____
Additional Services **	\$ _____
Total this Subconsultant (ULC)	\$ _____

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Additional Services **	\$ _____
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Additional Services **	\$ _____
Total this Subconsultant (ULC)	\$ _____

10

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Direct Labor	\$ _____
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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): 0.00%

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	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Direct Labor</td> <td style="width: 20%; border-bottom: 1px solid black;"></td> <td style="width: 50%;"></td> </tr> <tr> <td>Direct Costs</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Services by Others</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Additional Services **</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Total this Subconsultant (ULC)</td> <td style="border-bottom: 1px solid black;"></td> <td style="text-align: right;">\$ -</td> </tr> </table>	Direct Labor			Direct Costs			Services by Others			Additional Services **			Total this Subconsultant (ULC)		\$ -
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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: \$ -

Project Number: I-12-4082

Consultant: TY Lin International Great Lakes, Inc.

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2016												TOTAL HOURS				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
CM																	
Field Engineer																	40
CCM																	40
Implementation Engineer																	8
<b>TOTALS</b>																	48

- Notes:**
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project Number: I-12-4082

Consultant: TY Lin International Great Lakes, Inc.

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2017												TOTAL HOURS		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
CM															
Field Engineer	40	80	120	160	160	160	160	160	160	120	80	40			1440
CCM															
Implementation Engineer	8	16	24	32	32	32	32	32	32	24	24	10			298
<b>TOTALS</b>	48	96	144	192	192	192	192	192	192	144	104	50			1738

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project Number: I-12-4082

Consultant: TY Lin International Great Lakes, 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				
CM																
Field Engineer	40															40
CCM																
Implementation Engineer	8															8
<b>TOTALS</b>	48															48

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3



Project No. I-12-4082

Consultant: TY Lin International Great Lakes, Inc.

**EXHIBIT B - FEE CALCULATIONS**

**A. DIRECT SALARY (without overtime)**

Total Work Hours: 1,834.00  
(From Exhibit C-3)

Total Dollars: \$ 95,274.00  
(From Exhibit C-3)

Multiplier to be used on this project:

Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

2.80

DIRECT REGULAR SALARY TIMES MULTIPLIER

\$ 266,767.20

**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**  
(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$ 14,755.00

**C. SERVICES BY OTHERS**

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -  
(Do not including estimated additional services)

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -  
(Do not including estimated additional services)

TOTAL SERVICES BY OTHERS \$ -

**D. ADDITIONAL SERVICES (prime and subconsultants)**  
(Requires prior authorization before use)

**E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)**

\$ 281,522.20

Project No.:

I-12-4082

Consultant: TY Lin International Great Lakes, Inc.

Date:

10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Regional Director	Heather Gaffney	\$70.00	\$70.00	No
Principal Engineer	Heather Gaffney	\$70.00	\$70.00	No
Operations Manager	Douglas Jakalski	\$70.00	\$70.00	No
Director of Rail & Transit	Paula Pionton	\$70.00	\$70.00	No
Principal Engineer, Railroad	Joseph Lorenzini	\$70.00	\$70.00	No
Chief Engineer	Donald Jakesch	\$70.00	\$70.00	No
Chief Construction Engineer	Bruce Bushnell	\$70.00	\$70.00	No
Chief Structural Engineer	Phillip D. Frey	\$70.00	\$70.00	No
Chief Civil Engineer	Daniel Drew	\$70.00	\$70.00	No
Planning Department Manager	Linda Sloan	\$60.00	\$60.00	No
Deputy Chief of Construction	Keith Lodding	\$69.00	\$69.00	No
Project Director II	Jeffry Goliber	\$70.00	\$70.00	No
Senior Aviation Electrical Engineer	Brent Molendyk	\$59.05	\$59.05	No
Senior Structural Engineer IV	Anna Dukes	\$70.00	\$70.00	No
Senior Structural Engineer III	Jeffrey Neumann	\$68.00	\$67.59	No
	Spiros Pantazis	\$67.17		No
Senior Structural Engineer II	Timothy Gall	\$56.81	\$56.81	No
Senior Structural Engineer I	Rodrigo Hoyos	\$37.08	\$37.08	No
Structural Engineer	Adam Ali	\$54.08	\$54.08	No
Senior Civil Engineer V	Bruce Bushnell	\$70.00	\$70.00	No
Senior Civil Engineer IV	Eric Grzeskowiak	\$70.00	\$69.50	No
	Keith Lodding	\$69.00		No
Senior Civil Engineer III	Joel Marhoul	\$63.25	\$56.70	No
	Daniel Anderson	\$54.50		No
	Patricia Davidson	\$52.35		No
Senior Civil Engineer II	Mark Gormely	\$50.00	\$46.81	No
	Nathan Roseberry	\$47.75		No
	Jeffery Fine	\$47.00		No
	David Miller	\$42.50		No
Senior Civil Engineer I	Daniel Schmit	\$42.30	\$38.48	No
	Rebecca Dahlstrom	\$41.50		No
	Jack Ringness	\$40.60		No
	Christopher Gottlieb	\$39.50		No
	Matthew Richardi	\$38.85		No
	Cary Chan	\$37.50		No
	Kyle Peschel	\$35.00		No
	Bradley Topol	\$32.60		No
Senior Transportation Engineer II	Nathan Roseberry	\$47.75	\$47.75	No
Transportation Engineer	Ron Valdez	\$36.30	\$36.30	No
Civil Engineer IV	Kari Watson	\$33.00	\$33.00	No
Engineer III	Zachary Jaydos	\$30.00	\$29.50	No

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? (Yes' or No')
	Patrick Lodding	\$29.00		No
Engineer	Qinxin Zheng	\$26.45	\$26.45	No
GIS Analyst	Erich Kutschke	\$35.50	\$35.50	No
Senior Planner	James Considine	\$70.00	\$70.00	No
Transportation Planner IV	David Smith	\$36.00	\$36.00	No
Staff Engineer III	David Gleason	\$33.00	\$33.00	No
Staff Engineer II	Ryan Pieper	\$30.19	\$30.19	No
Staff Engineer I/Assistant Engineer	Nick Fagan	\$30.50	\$27.21	No
	Kyle Schweizer	\$28.50		No
	Veronica Ward	\$27.75		Yes
	Shawn Ficker	\$27.00		Yes
	Kiefer Heiman	\$27.00		Yes
	Kevin Berry	\$25.73		Yes
	Rhyan Crawford	\$24.00		Yes
Senior Construction Engineer III	Jeffrey Neumann	\$68.00	\$60.93	No
	Lawrence Mestan	\$65.00		No
	Brian Blahous	\$60.50		No
	Gordon Snyder	\$56.65		No
	Daniel Anderson	\$54.50		No
Senior Construction Engineer II	Mitesh Deshpande	\$46.50	\$46.50	No
Senior Construction Engineer I	Christopher Gottlieb	\$39.50	\$39.50	No
Construction Manager	Ron Crawford	\$58.00	\$49.50	No
	Joyce Barnes	\$53.00		No
	Kevin Whalen	\$50.50		No
	Kayed Alkhodour	\$48.00		No
	Anabel Colindres	\$38.00		No
Construction Engineer IV	Phillip Prince	\$35.50	\$33.00	No
	Xavier Alarcon	\$32.00		No
	Vincent Rollins	\$31.50		No
Construction Engineer II	Evangelos Giorgas	\$41.55	\$41.55	No
Construction Engineer	Justin Wiater	\$36.00	\$32.75	No
	John Dwyer	\$29.50		No
Senior Inspector IV	David McGuire	\$55.00	\$55.00	No
Senior Inspector	Reynart Garcia	\$39.00	\$39.00	No
Inspector III	Buenaventura Tallud	\$37.00	\$37.00	No
Office Administrator	Barbara Morales	\$42.30	\$42.30	No
Project Administrator	Taryn Bushnell	\$33.50	\$33.50	No
Project Controls Specialist	Sharon Tanner	\$33.00	\$33.00	No
Marketing Manager	Sharon Speziale	\$45.68	\$45.68	No
Marketing Coordinator III	Taylor Preuss	\$25.00	\$25.00	No
Marketing Assistant	Diana Petrenko	\$20.00	\$20.00	Yes
Project Accountant	Wahdeen Dowell	\$34.85	\$34.85	No
Accounting Assistant	Daphne Dixon	\$22.00	\$22.00	Yes
Receptionist/Administrative Assistant	Jen Le	\$18.00	\$18.00	Yes

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
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- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

Project No.: I-12-4082

Consultant: TY Lin International Great Lakes, Inc.

Date: 10/3/2016

**EXHIBIT C-2: PAYROLL CLASSIFICATION ESCALATION TABLE**

CONTRACT TERM: 14 NO. OF MONTHS

SCHEDULED START DATE: 12/1/2016

RAISE DATE: 1/1/2017

PERCENT OF RAISE: 3%

**ESCALATION PER YEAR**

Date	Date	Date	Date	Date	Date
12/1/2016 - 12/31/2016	1/1/2017 - 12/31/2017	1/1/2018 - 1/31/2018	-	-	-
1.0	12.0	1.0	14.0	14.0	60.0
14.0	14.0	14.0	14.0	14.0	60.0
7.14%	88.29%	7.58%			
Factor First Period	Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period	Escalation Factor Sixth Period

The escalation factor for this project is: 103.01%



**EXHIBIT D**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**A. VEHICLE REIMBURSEMENT**

Daily Rate	<u>\$65.00</u>	X	<u>227</u>	<u>\$ 14,755.00</u>
	Includes Tolls		No. of Days	

Mileage	<u>\$0.54</u>	X	<u>          </u>	<u>\$ -</u>
	Mileage Rate		No. of Miles	

(Use mileage rate found at:

<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.a>

<b>TOTAL VEHICLE REIMBURSEMENT</b>	<b><u>\$ 14,755.00</u></b>
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**B. ALLOWABLE DIRECT COSTS - Enter the total budget of items from the attached Allowable Direct Costs list here:**

[http://www.illinoistollway.com/documents/10157/36206/LG\\_TO\\_LLWAY\\_XX\\_ALLOWABLEDIRECTCOSTS\\_08012008.PDF](http://www.illinoistollway.com/documents/10157/36206/LG_TO_LLWAY_XX_ALLOWABLEDIRECTCOSTS_08012008.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**

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**TOTAL ITEMIZED DIRECT COSTS**





## 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.”**

## 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.

**EXHIBIT E - KEY PROJECT PERSONNEL**

**Project Principal:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Manager:** Bruce Bushnell

**Classification:** Chief Construction Engineer

**Project Engineer:** David Miller

**Classification:** Senior Civil Engineer II

**Resident Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Documentation Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Civil Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Structural Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Drainage Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Senior Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Others:** \_\_\_\_\_

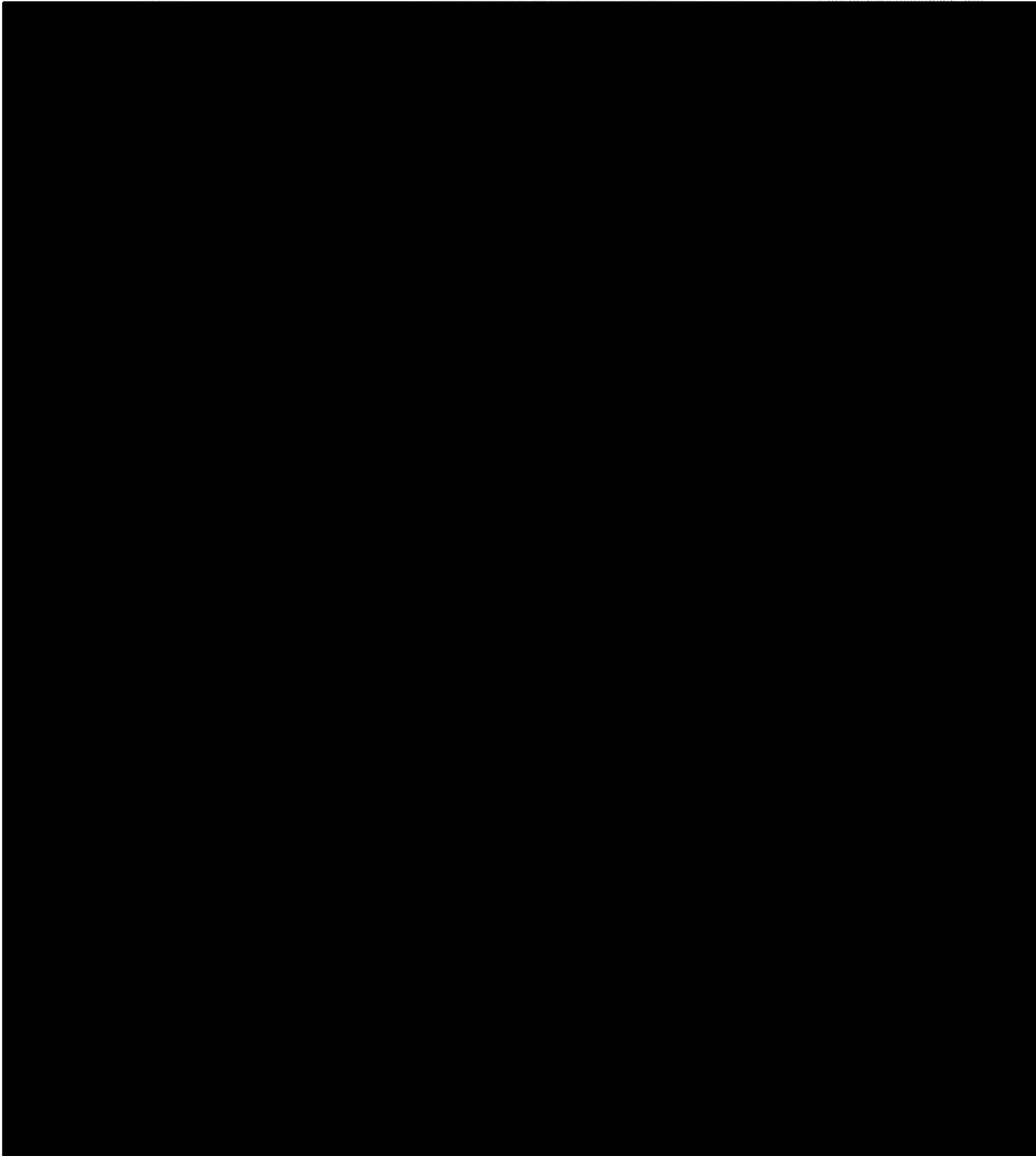
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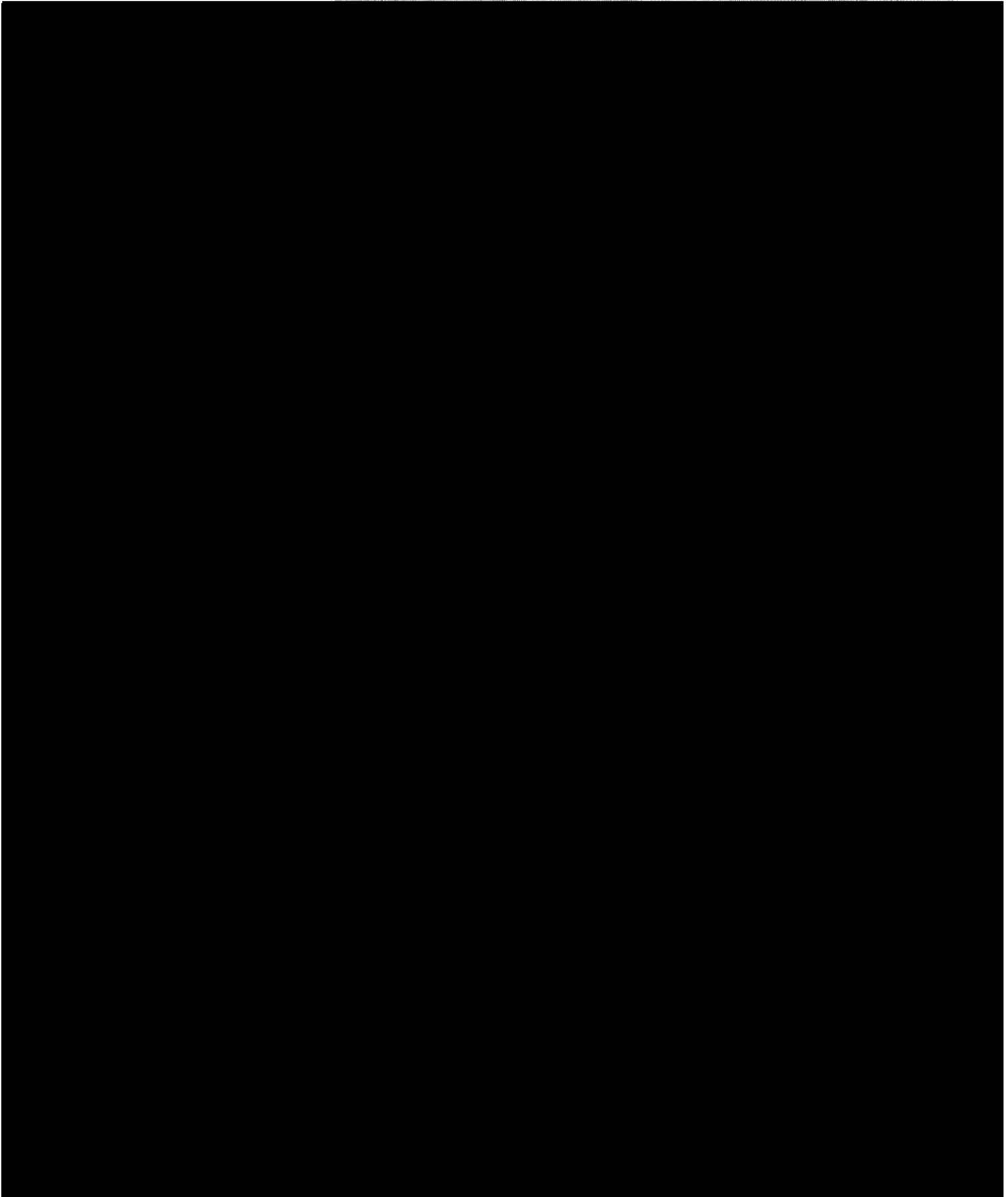
**List all key personnel titles that are applicable to this project.**

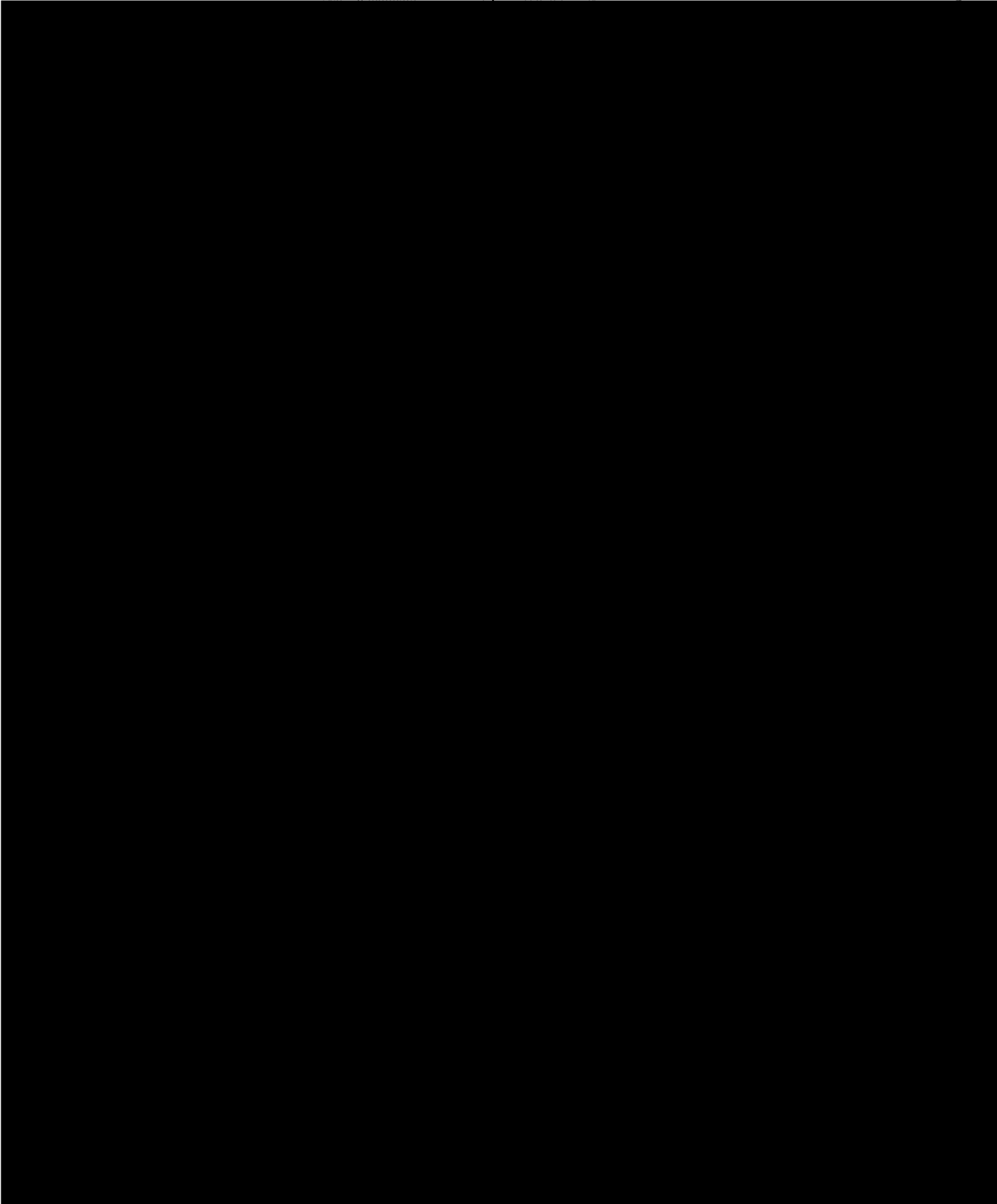
**Attach resumes of all key personnel; Names on resumes must match exactly as they appear here.**

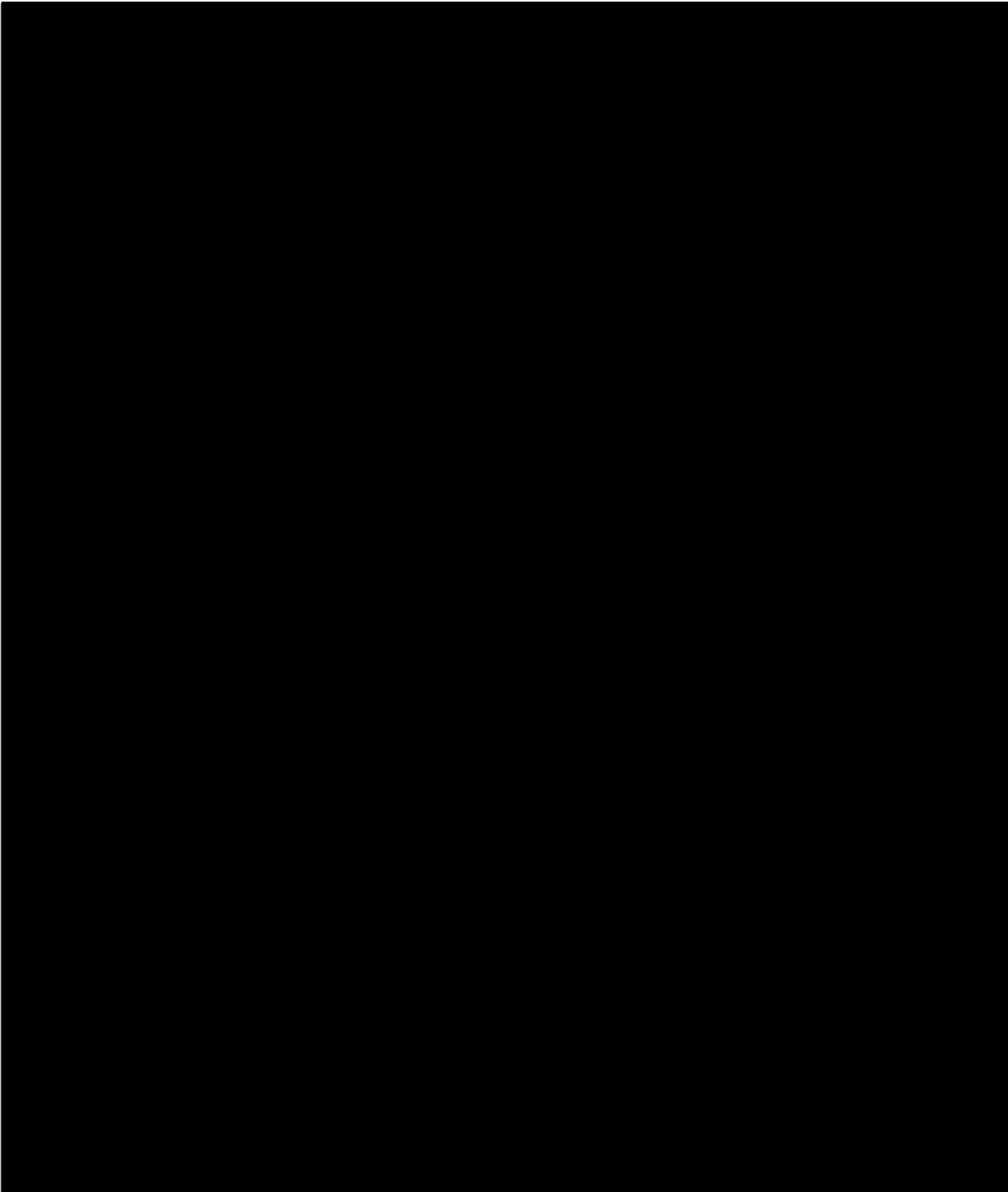
**BRUCE BUSHNELL, P.E.**  
Chief Construction Engineer

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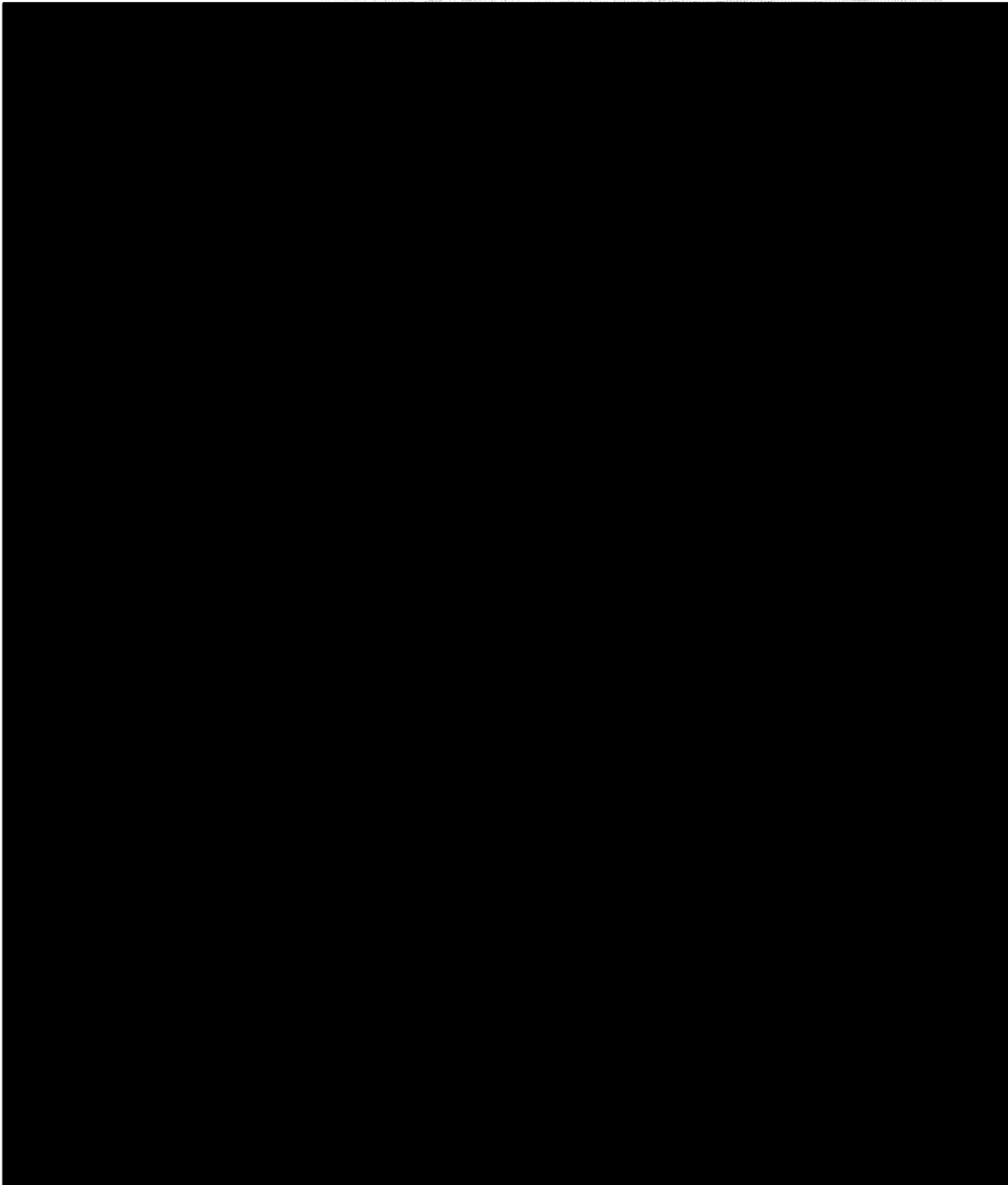




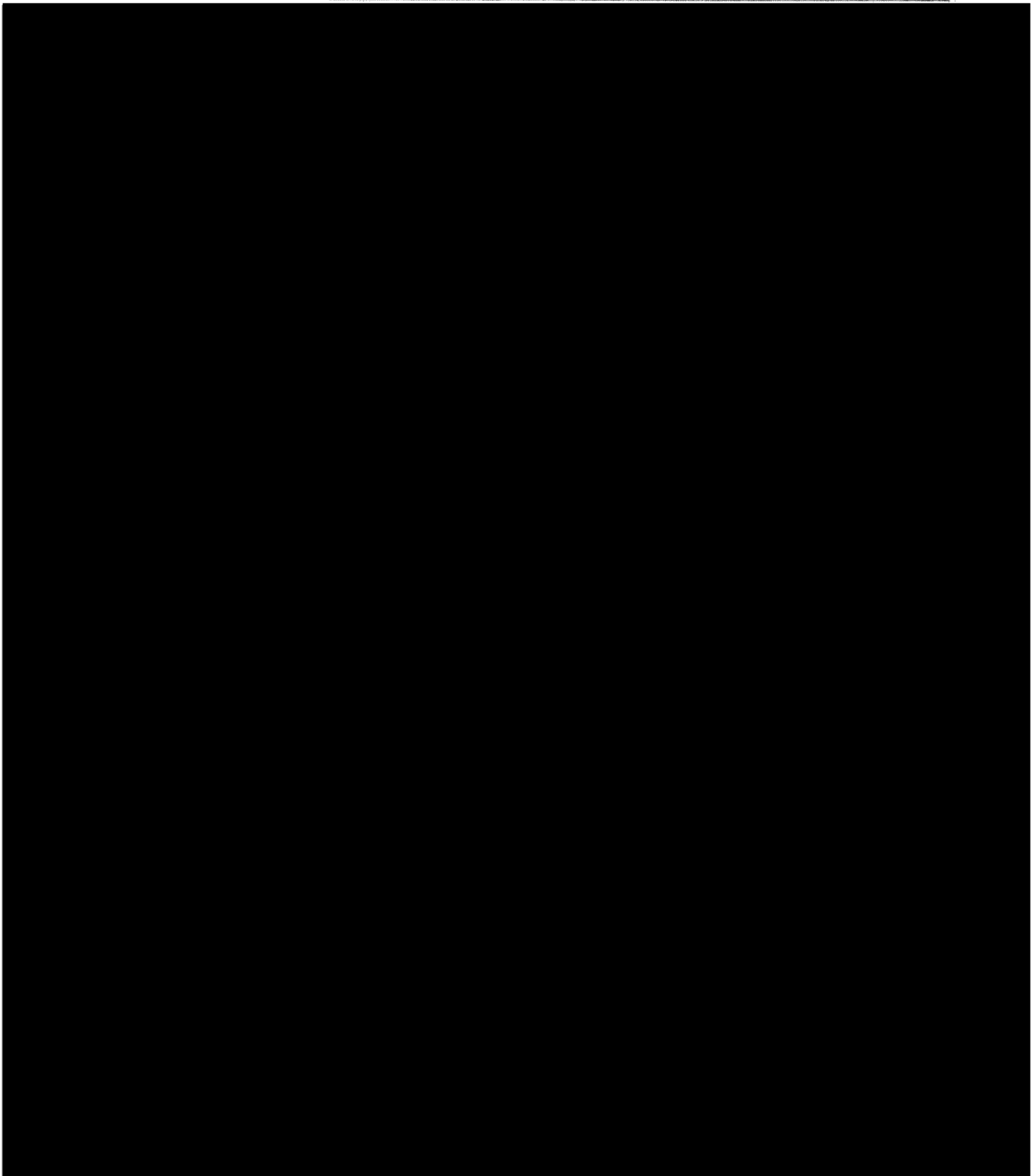


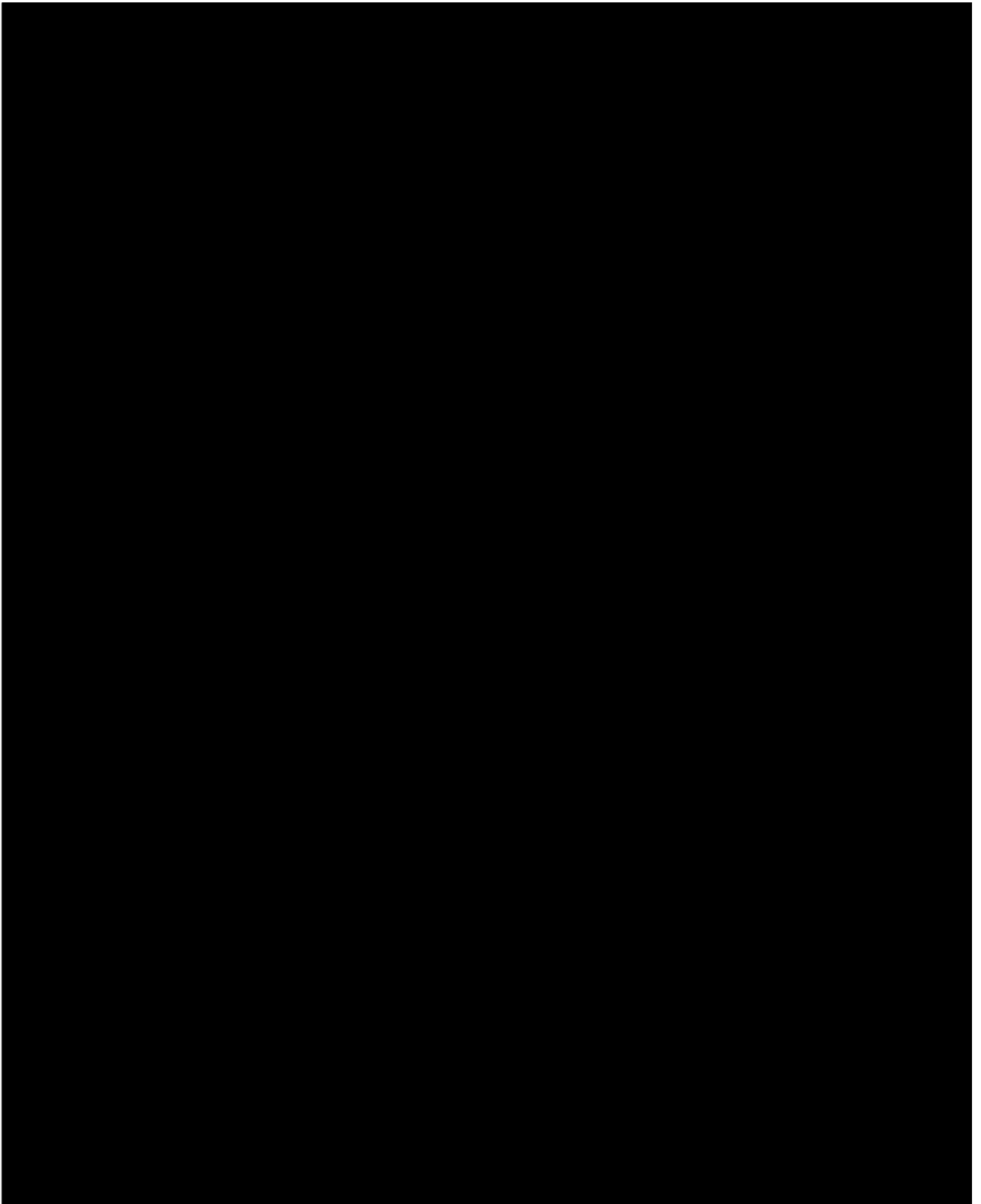
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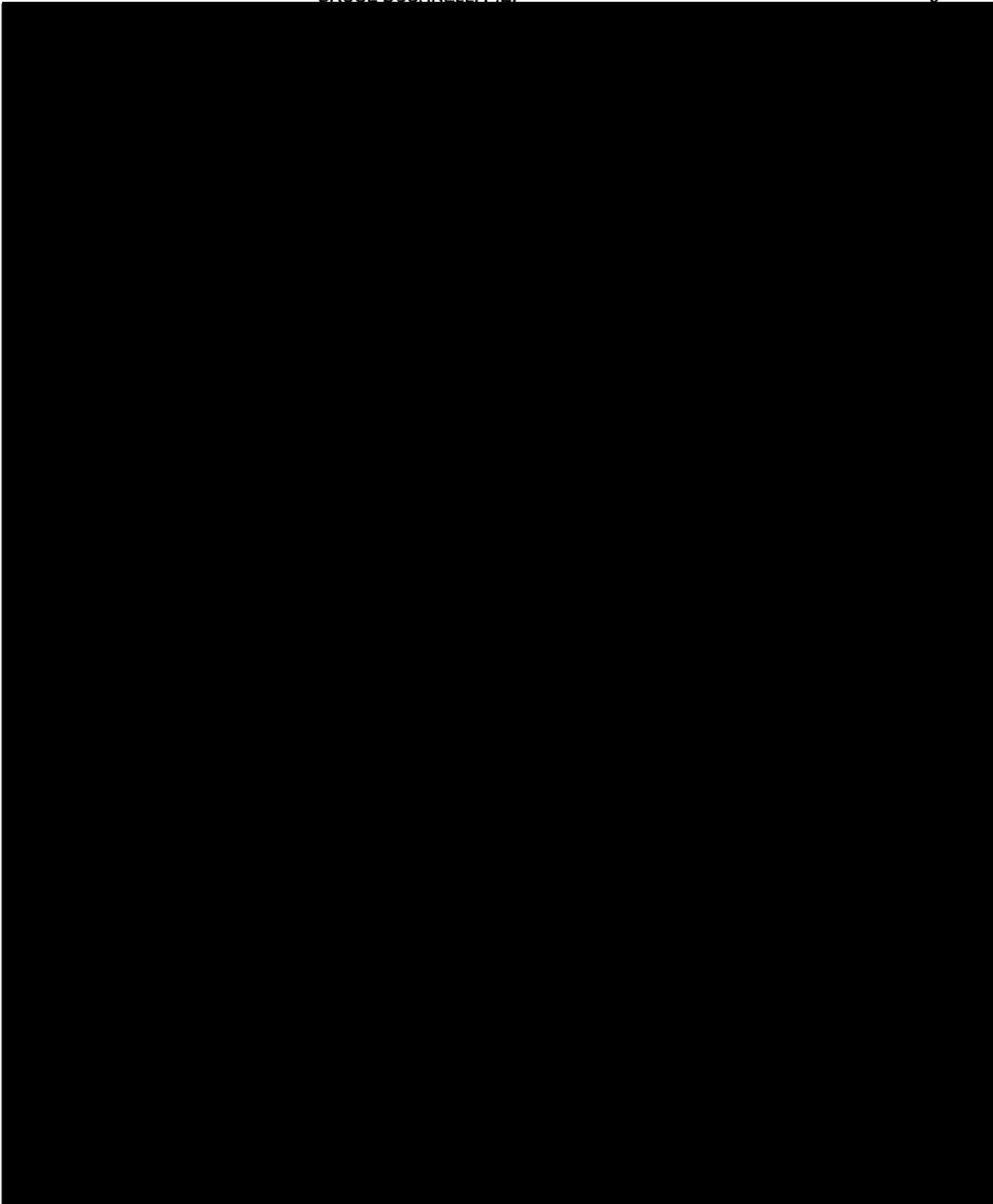


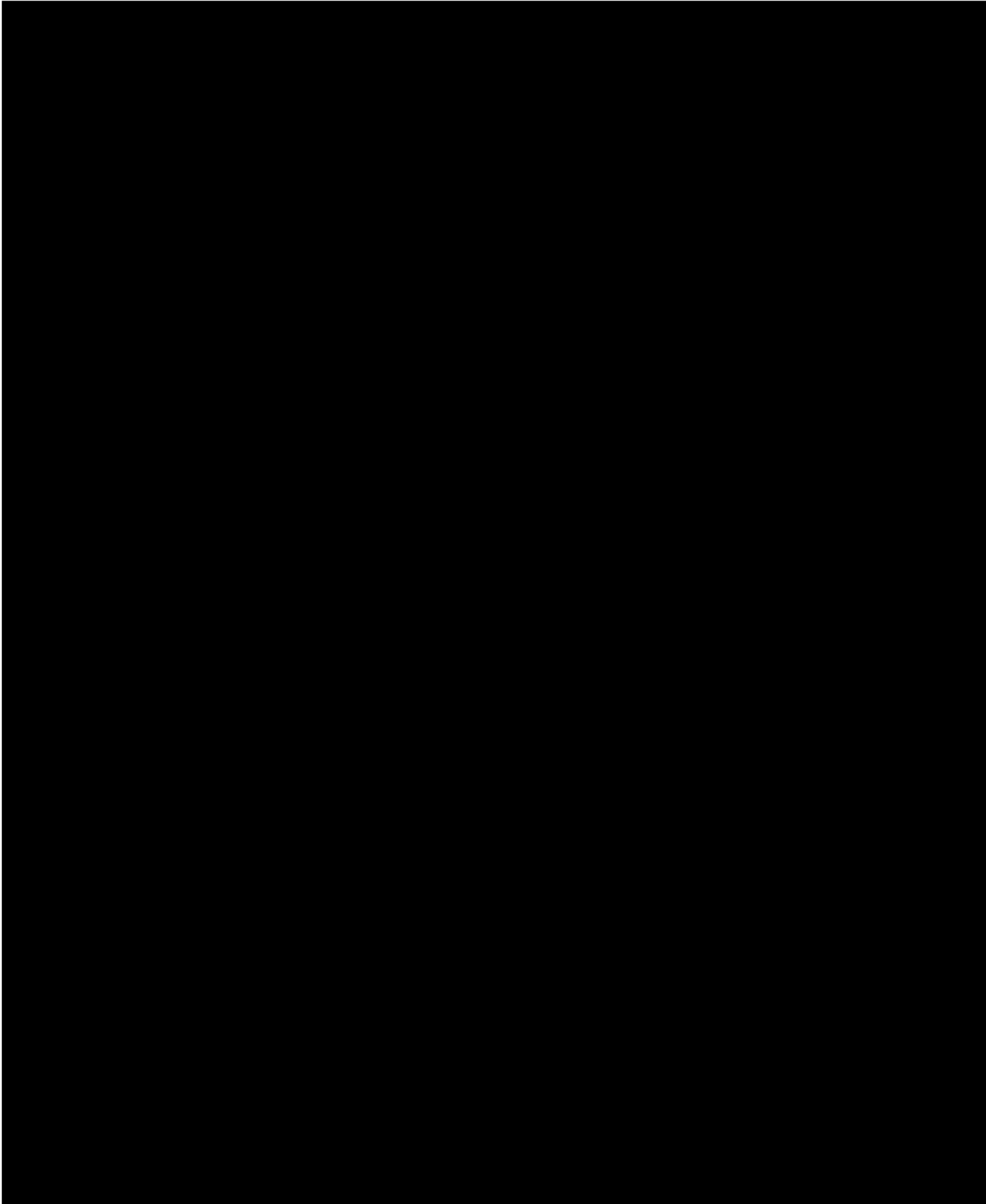
INTERNATIONAL

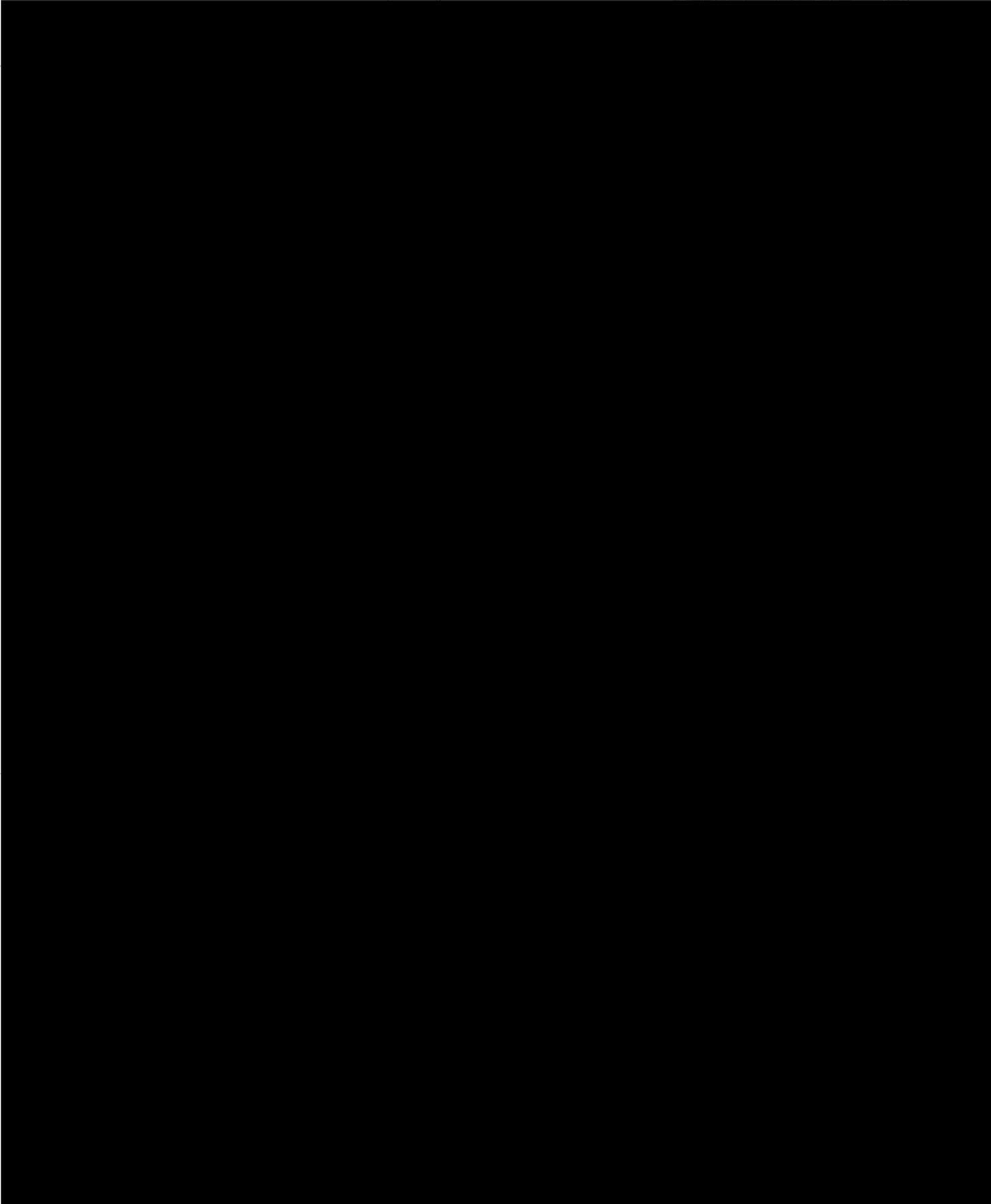


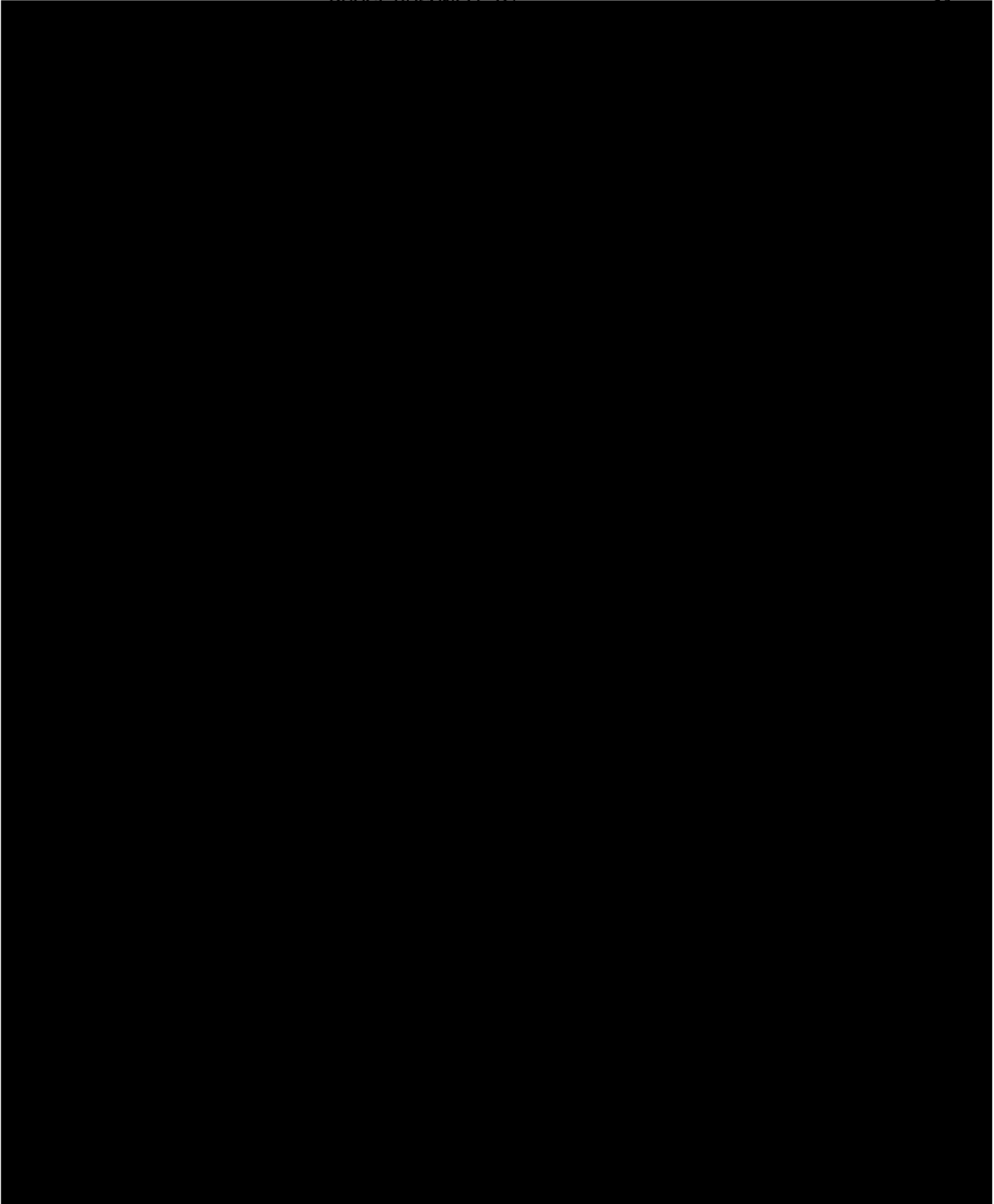


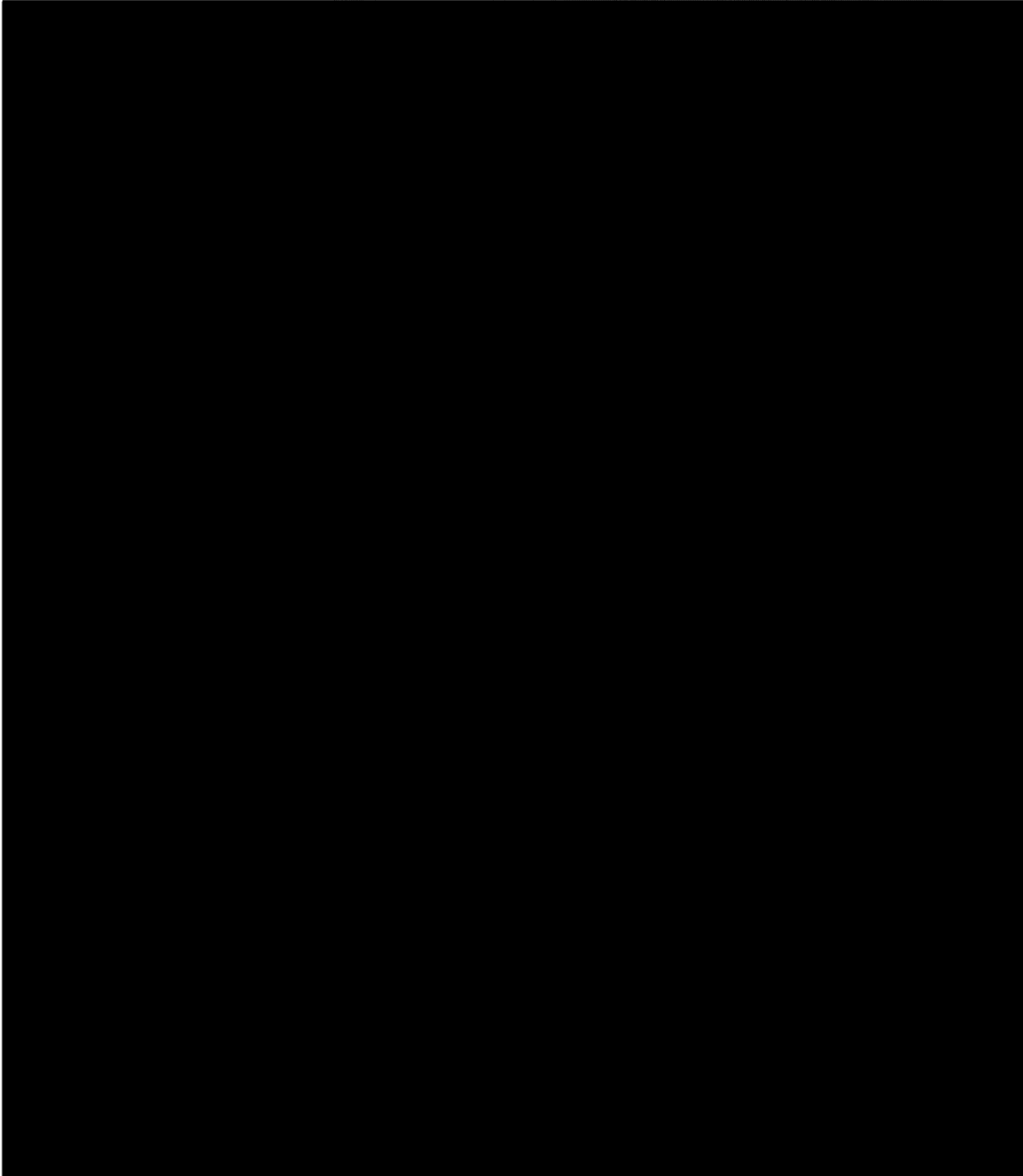
INTERNATIONAL









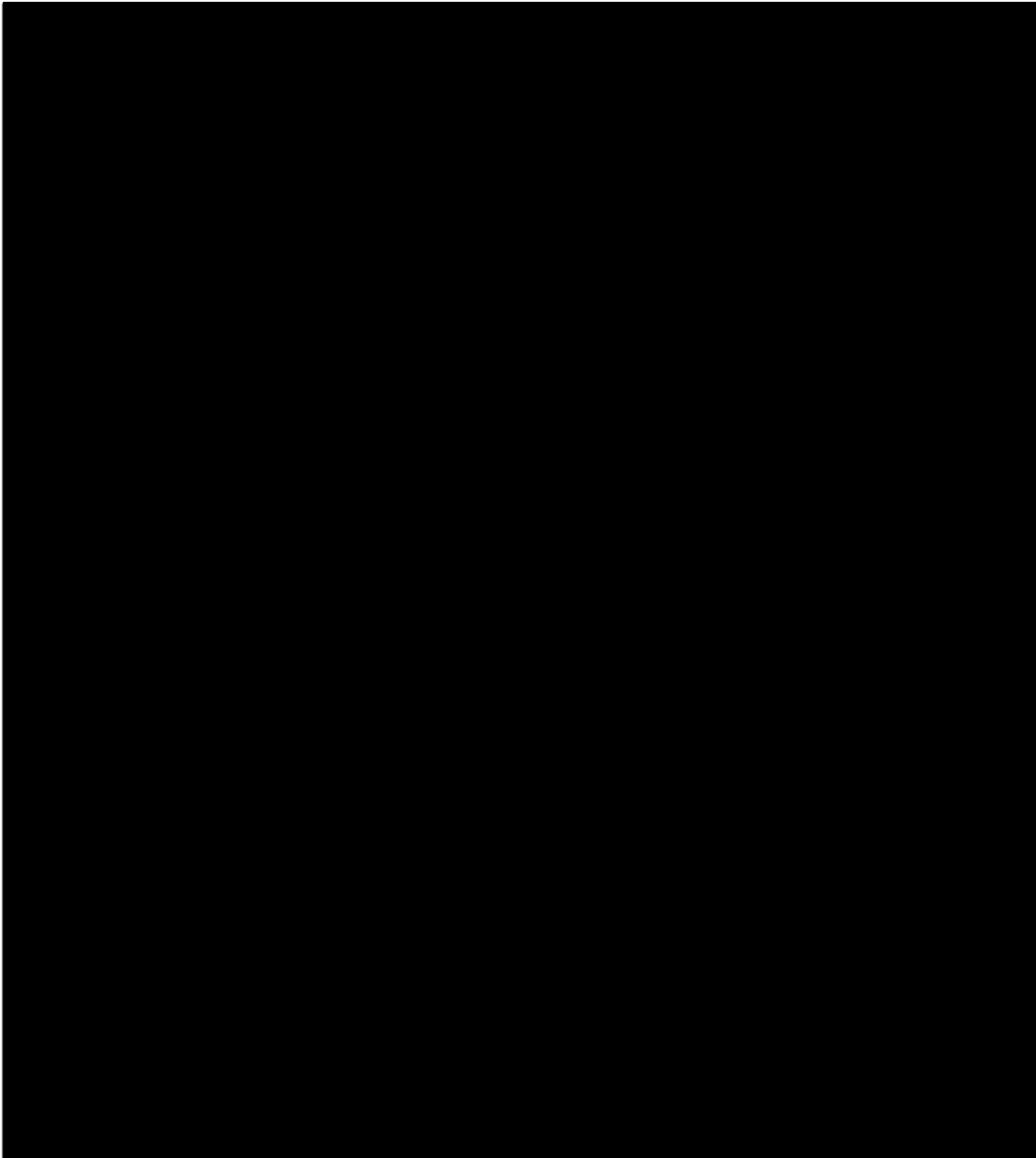


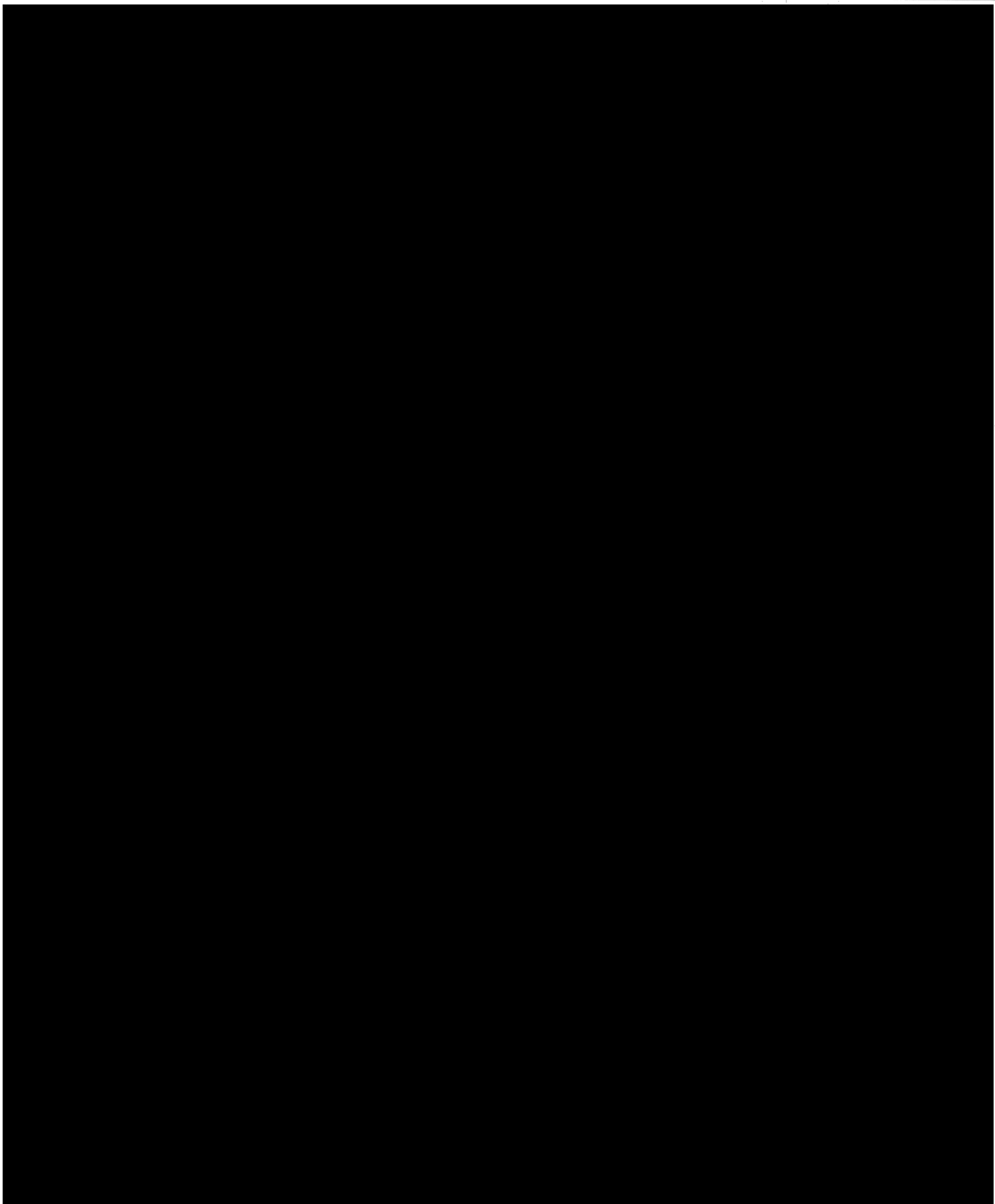


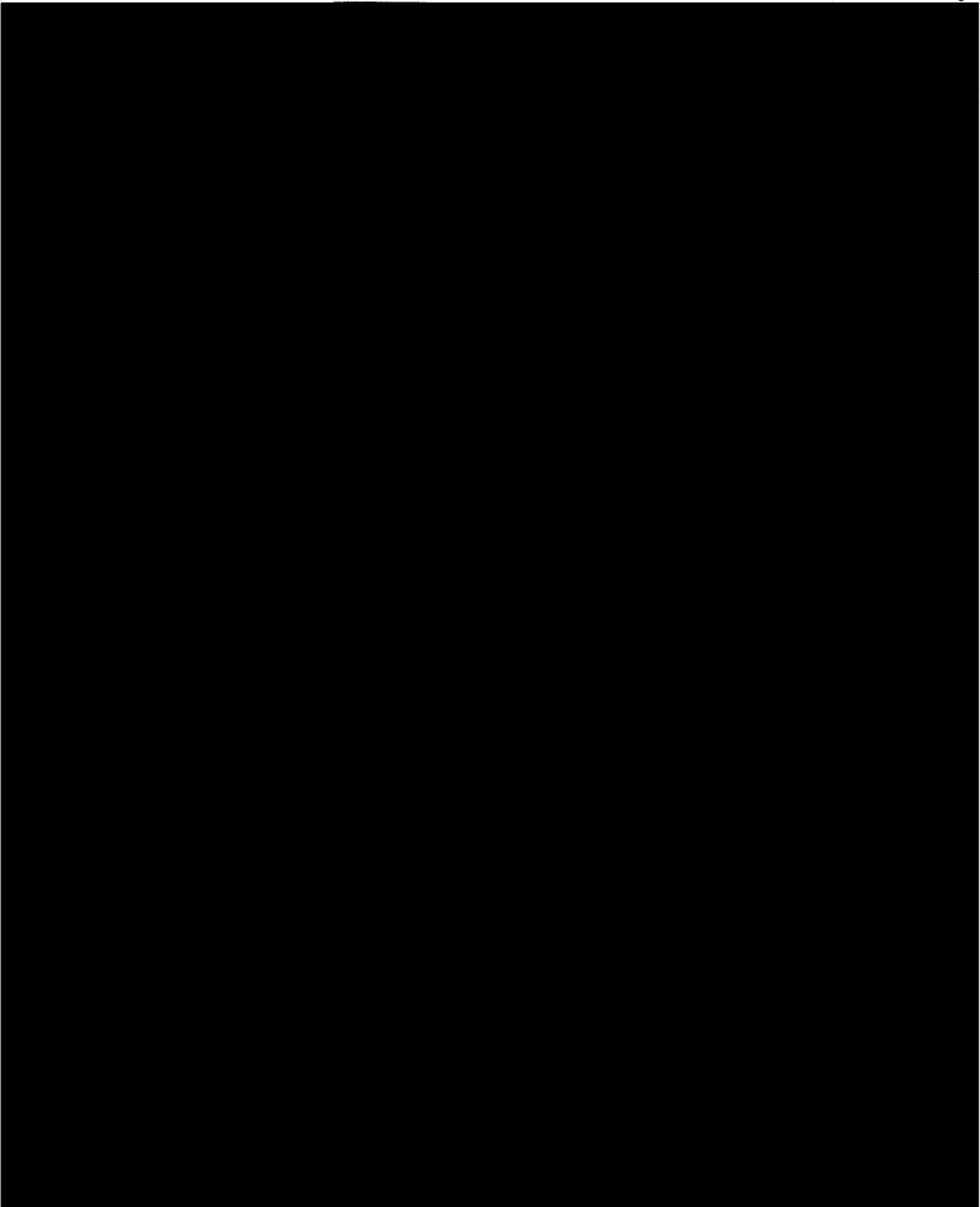
**DAVID MILLER, P.E.**

Senior Civil Engineer II

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TY Lin

# **Exhibit F**

## **Scope of Work**

**Elgin O'Hare Western Access  
Corridor Construction Management Services**

Contract No. I-12-4082

**Illinois State Toll Highway Authority**

## I. PROJECT DESCRIPTION

This project is to provide Phase III engineering services as required for the corridor construction management, construction inspection, and supervision at selected locations, including the I-290 flyover ramps and other miscellaneous construction contracts associated with the Elgin O'Hare Western Access (EOWA) project in DuPage and Cook Counties, Illinois. The EOWA corridor will consist of separate Construction Management (CM) sections. Within each CM section will be individual construction packages. Each CM may provide phase III engineering services for one or more construction packages.

The project also includes Phase III engineering services including construction inspection and supervision for the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps. Phase III engineering services also include the east segment of ITS installation. The Consultant will perform on-site inspection, review layout of the contract including design changes, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with Tollway specifications. The Consultant must complete and submit final measurements, calculations and final contract documents to the Tollway no later than six (6) weeks after completion of Punch List for the project. The Consultant must have MicroStation capabilities. All final documents shall be submitted in hard copy and electronic format and follow the ICAPP Manual. All CADD file documents shall be required to contain all record drawing modifications.

The EOWA project consists of upgrading and extending the Elgin O'Hare Expressway between IL 19/Gary Avenue and the O'Hare Western Access for about 10 miles. Between IL 19/Gary Avenue and I-290, the expressway will be widened and upgraded along the existing alignment. East of I-290, extending to the Western Access and the proposed O'Hare West Terminal, Thorndale Avenue will be upgraded to a new full-access controlled expressway. The median will accommodate potential dedicated transit service. To accommodate local traffic circulation, frontage roads are proposed extensively throughout the corridor. Service interchanges will provide access at IL 19, Springinsguth Road, Wright Boulevard, Roselle Road, Meacham Road, Rohlwing Road, Park Boulevard, Arlington Heights Road/Prospect Avenue, Wood Dale Road, and IL 83. Access to other intersecting roadways will be provided by a frontage road system. A full-access system interchange will be provided at I-290.

The EOWA project also consists of constructing the O'Hare Western Access, an access controlled Tollway section that will extend from I-90 at the current location of the Des Plaines Oasis to I-294, about 6.2 miles along the western edge of O'Hare Airport. The Western Access Tollway will generally extend southeast along the north edge of Green Street, then cross the Union Pacific Railroad and proceed south, paralleling the east side of the railroad, to a new system connection with I-294 near Grand Avenue. A new bridge that reconnects Taft Road across the Bensenville Yard, linking Franklin Avenue and IL 19 will be constructed, and a full-access system interchange will be provided at I-294. Part of I-294, extending roughly from Grand Avenue south to North Avenue, will be improved to accommodate system ramp connections and lane balance requirements. The proposed median will accommodate potential dedicated transit service north of Thorndale Avenue. System interchanges are proposed at I-90, the Elgin O'Hare Tollway, and I-294. Service interchanges are proposed at IL 72, the proposed O'Hare West Terminal, IL 19, and Green Street/Franklin Street.

## II. CONSTRUCTION MANAGEMENT (CM) SERVICES

### A. EXECUTION OF ENGINEERING SERVICES

1. The CM shall furnish services in accordance with the articles contained in the Authority's CM Manual dated March, 2012, and all applicable Tollway Criteria, Manuals and Bulletins.

Phase III construction management services will be provided for various construction contracts within the corridor, including but not limited to the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps.

2. The CM shall screen loads before they are sent to a Clean Construction or Demolition Debris (CCDD) facility using a 10.6 eV Photoionization Detector. The Detector should be provided by the CM.
3. The CM shall include the Design Corridor Manager (DCM) and Design Section Engineer (DSE) as sub-consultants for the review of shop drawings or for responses to inquiries concerning the design and plan interpretation during construction. This scope of work for the DSE's is not included separately.

### III. CORRIDOR CONSTRUCTION MANAGEMENT (CCM) SERVICES

#### A. EXECUTION OF ENGINEERING SERVICES

1. The Corridor Construction Manager (CCM) is responsible for all aspects of the construction management, coordinating the efforts of the individual project Construction Managers (CM) and a construction support team. The CCM reports directly to the Tollway Project Manager. The CCM will be responsible for coordination of the construction work for the Tollway. The CCM will provide a project lead that will be the single point of contact for the project and will be responsible for overall management of the project and coordination and management of the various project contracts. The CCM shall regularly coordinate and meet with the project consultants (CMs, CM Upon Request (CUR) consultants, Survey Upon Request (SUR) consultants, Design Corridor Manager (DCM), Land Acquisition consultants, Geotechnical Services Upon Request consultants, Utility Coordination and SUE consultants, other project consultants as necessary) and Tollway Departments (including but not limited to Maintenance and Operations, Tollway Engineering, Business Systems, ITS, Land Acquisition, Communications and Planning).

The tasks to be performed by the CCM shall include but not be limited to the following:

1. Support Tollway's internal decision-making process for scope definition, budget change approval, schedule change approval and quality control.
2. The CCM will assist the Tollway in identifying services required to be performed by other contracts and preparation of associated scopes of work and project schedule documents for such contracts. The CCM will assist in reviewing and coordinating project consultants project reporting. The CCM shall coordinate between various contracts managed by others to ensure that the corridor established schedule is maintained in order to meet project need.
3. The CCM will provide recommendations for contract packaging based upon project priorities and criteria. The DCM will prepare associated exhibits and reports.
4. Coordination and project management of CM contracts. The CCM will be the single point of contact between the Tollway and project consultants and will be responsible for delivery of project contracts through the construction phase in accordance with established Tollway schedules and budget. The CCM scope of work includes coordinating corridor construction issues, maintaining a corridor decision log, ensuring consistency (MOT, Communication, etc.), preparing transmittal memos and letters, chairing corridor wide meetings (eg. Stage Change meetings) and assistance with preparation of Staff Summary Sheets required for changes in project schedule and budget.
5. Attend project meetings including contract preconstruction meetings, preconstruction materials meetings, preconstruction sediment and erosion control meetings, weekly progress meetings and other meetings as required.
6. The CCM will monitor CM/Contractor adherence to Soil and Erosion Control requirements.
7. Coordination of Intergovernmental Agreements and/ or permits with IDOT, Local Agencies, airports and Railroads. The CCM shall be the main single point of contact with the affected agencies and will coordinate with the DCM to ensure that all project related agreements and permits are secured for each construction contract. The CCM shall regularly meet with the affected agencies and coordinate project issues with the Tollway, CMs and other affected parties. The CCM will be the single point of



- contact with IDOT, Local Agencies, airports, railroads and other affected agencies for construction phase activities.
8. Coordination with project stakeholders including; airports, communities, business organizations, general public and other interested parties. The CCM scope of work includes assisting the DCM with coordination of public outreach meetings and regular agency coordination meetings, preparation of corridor exhibits and chairing meetings with interested parties as requested; preparation of project information that can be distributed to interested parties; participation in public meetings including providing project presentations; coordination with Tollway Communications Department and providing corridor information and exhibits. The CCM will prepare exhibits and meet with Local Agencies and IDOT to discuss project impacts to Local and IDOT facilities (including cross road traffic and drainage impacts). The CCM will coordinate with the DCM to maintain a log of permits, agreements, etc. required from IDOT and Local Agencies, railroads and utilities.
  9. The CCM will maintain a corridor design and construction schedule. The CCM will maintain a corridor construction cost estimate. The corridor design and construction schedule will be required to be maintained in Primavera P6 format or latest update. The CCM will review DCM developed schedules and will concur with the schedule or make recommendations for modifications.
  10. Periodic observation of CM activities to verify their knowledge, skill, and ability to achieve the desired results. Provide Tollway PM input after observations.
  11. Provide input toward Contractors Interim Performance Evaluations and Final Performance Evaluation. (ISO P 3040), Submit to Tollway DPM of construction for review and consideration.
  12. Review and approve Authorization to Proceed prior to submittal to C5 committee. Review and approve Change Orders and Extra Work Orders prior to submittal to the Tollway. (ISO P 3080)
  13. Facilitate documentation, tracking and resolution of Contract Dispute Resolution Procedure. (ISO P 3120)
  14. Address all construction issues raised by the Tollway Departments.
  15. Assist the C5 committee in resolving any discrepancies between the contractor's estimates and CM's independent cost estimate in order to reach an agreement.
  16. Assist in the notification of local officials of major, disruptive construction work.
  17. Assist Tollway departments in responding to inquiries from public officials and/or the press.
  18. Promote informal partnering by establishing working relationships between the Contractor, CM, DSE, outside agencies and the Tollway.
  19. Review and make recommendations with respect time extensions of project schedule related to change orders and extra work orders.
  20. The CCM will assist in preparation of Board Meeting materials including review of Board Script information, Board Item summaries, etc.
  21. Track CM process for warranty and submittals.
  22. Develop a corridor earthwork management plan in cooperation with the Design Corridor Manager (DCM) and Tollway.
  23. Documenting lessons learned and providing applicable documentation and direction to CMs.
  24. Public Coordination services including, but not limited to, those associated with the project Local Advisory Committee. The DCM will continue as the lead for the Local Advisory Committee with participation by the CCM as necessary.

25. Diversity and Sustainability Initiatives. The CCM will be required to coordinate with the project CMs and report on corridor performance with respect to DBE/EEO progress and goal attainment, green initiative progress, etc.
26. Administrative support including, but not limited to, preparation of project correspondence, scheduling meetings, preparation of meeting agendas and meeting minutes, Proliance Web Based Management administration and communication.
27. The CCM will be required to utilize the Tollway's Web Based Project Management System for all official project communications.

The corridor construction support team is comprised of construction and documentation engineers reporting directly to the CCM and are responsible for coordinating the efforts of the various CMs and ensuring that the day to day activities of the CMs and respective Contractors are in accordance with the Tollway Construction Manual and meet Tollway criteria. The tasks to be performed by the corridor construction support team shall include but not be limited to the following:

1. Provide bid phase and post design coordination and support.
2. Provide general coordination and oversight of the Construction Project Managers (CPM). Monitor CMs and assist in resolving anticipated field problems.
3. Make recommendations to the Tollway with respect to field changes and other technical field problems.
4. Coordinate and monitor CPMs for consistency between construction sections.
5. Review contract documents and specifications with regard to constructability and consistency between design sections. Coordinate and confirm completion of constructability reviews by CMs.
6. Provide separate constructability reviews from the CM with the objective to ensure consistency between design sections, that the numbers of potential change orders are minimized and the probability of delays and disputes are reduced.
7. Coordinate required revisions identified within the constructability reviews with the DCM.
8. Attend meetings with Tollway and outside agencies for issues that arise during construction.
9. Coordinate and monitor the CMs for consistency between sections by performing on-site internal QA audits of CM's documentation and material inspection for compliance with approved plans and procedures.
10. Coordinate overall construction issues, stages, etc. between adjacent projects.
11. Utilize the Tollway's web-based management software to inform Construction Management Team (CM, CPM & CCM) of resolution of corridor issues.
12. Coordinate and attend monthly construction coordination meetings with project CMs. Document in accordance with Tollway procedures. Schedule and invite meeting attendees and Tollway stakeholders, as required.
13. Quarterly review (minimum) of implementation and construction activities for compliance with approved QNQC plan.
14. Issues NCR's when applicable and monitors the NCR process as it related to their project. Reports investigation and action to prevent reoccurrence to CCM. (F 5070)
15. Assist in coordination and attend all coordination meetings between affected municipalities, utilities and other agencies required for the project.
16. Assist DCM to resolve design issues that arise during construction and communicate resolution to Construction Project Managers.
17. Facilitate and expedite contract closeout to ensure that all work is completed in accordance with the contract documents. Schedule final closeout meeting.

18. Monitor Quality Assurance items such as:
  - a. Monitor NCRs initiated by the Tollway, DSEs, CMs and Contractors for trends that required corrective action initiatives.
  - b. Monitor customer complaints and other customer feedback to identify the need for corrective action initiatives or the opportunity for preventative actions.
  - c. Initiate and monitor preventative action initiatives and report on their status to the Tollway Design Managers. (F 5050)
19. Review warranty materials assembled by the CM and summarize key components for the Tollway.
20. Frequent/Daily Review of CM logs (RFI's, Shop Drawings, PCO's, etc.) for timeliness of response, action and reporting, review response/direction for CM for item closure.
21. Frequent/Daily Review tracking of approved extra work orders relative to approved/submitted pay request versus approved PCO upper limit.
22. Coordinate the scheduling of preconstruction meeting and distribution of the Meeting Agenda (P 1040). Confirm all Tollway Departments and outside agencies with a stake in the project are invited.
23. Assist the CM in coordinating the pre-construction meeting.
24. Responsible for follow-up activities associated with the preconstruction meeting.
25. Maintain knowledge of overall project status as well as impacts of construction on Tollway users and surrounding communities.
26. Monitor CM's activities to confirm tasks set forth in the Tollway Construction Manual are completed.
27. Coordinate responses to RFI's and project submittals.
28. Coordinate and facilitate construction submittal review with Tollway departments. Schedule review meetings with Tollway departments as required expediting approval of critical items.
29. Prioritize and expedite resolution of issues that arise during construction
30. Elevate Lessons Learned issues that arise during construction to the CDM and CCM, whom subsequently inform other design or construction sections.
31. Confirm submittal, review and approve monthly Project Status Reports. Confirm that project binders are updated weekly with weekly reports and logs.
32. Review and monitor CM documentation and material inspection, including Contractor adherence to the Contract DBE and EEO plans.
33. Monitor material inspection and QAQC programs.
34. Monitor the response time for and coordinate consistency of RFI's, submittals and correspondence.
35. Review and approve C5 Authorizations and Change/Extra Work Orders for completeness and accuracy prior to forwarding to the Tollway for processing.
36. Review progress schedules and adherence to the Approved Progress Schedules.
37. Review Value Engineering proposals for feasibility and benefit to the Tollway via written recommendation.
38. Attend weekly coordination and progress meetings with the CM, Contractor and Tollway staff.
39. Perform reviews (as required) of CM internal QA audits for compliance with approved plans.
40. Perform audit duties as requested to satisfy documentation review requirements.
41. Monitor CM and Contractor activities and issues NCRs as required.
42. Monitor CM and Contractor activities for schedule critical path elements.
43. A contingency has been added to the contract in order to allow for potential Corridor Construction Management Services for construction contracts that may be advanced and that are associated with receipt of non-Tollway funding for construction. A

requirement of such funding is that work needs to start within a specific time frame. The Tollway is adding has included contingency funding to the contract to ensure that the Tollway is in a position to receive the funding and manage the construction for any of these projects if they are approved. Contingency funding has also been included to allow for an EOWA corridor project office. The Tollway is continuing to explore opportunities for a project office to allow for a project office to be leased along the EOWA corridor at no cost to contract. Operating expenses for the project office are not anticipated to be provided for no cost and are assumed to be included in the contingency amount included in the contract. Release of contingency for operating expenditures for the project office will be required regardless of whether or not the Tollway will be responsible for lease of the office.

The Corridor Construction Manager (CCM) is to assist the Tollway and the DCM as communications liaison with all stakeholders. The tasks to be performed as communications liaison shall include but not be limited to the following:

1. Develop and distribute to all stakeholders a monthly construction stage change schedule. Prior to all significant stage changes, schedule, invite attendees and coordinate a stage change review meeting to present the upcoming stage change and impacts on Tollway users, traffic congestion, toll plaza personnel, and local municipalities.
2. Attend periodic Tollway Communication Department meetings as requested to provide program project summary.
3. Coordinate all lane closures and traffic stage changes for all construction contracts with the Tollway Maintenance, Communications, Toll Services, Facilities Maintenance as well as adjacent Tollway, IDOT, and local agency projects. Work will include ensuring that lane closure information is consistent, accurate, reliable and timely.
4. Will act as single point of contact for IDOT and local municipality coordination for construction phase activities. Coordinate development and tracking of status permits. Develop and track intergovernmental agreements and provide status updates to the effected agencies. Track reviews by outside agencies (non-utility) for timeliness and incorporation in the plans.
5. Provide executive level communication protocols to assure information is delivered in a format that supports the Tollway's internal decision making processes.
6. Prepare Incident Management Plan appendices.

The Construction Corridor Manager and its subconsultants are precluded from managing and directly supervising work that they are performing under other Tollway contracts. The following shall apply:

The CCM and its subconsultants can perform work on other Tollway projects provided that:

1. The consultant does not serve as the Tollway's project manager overseeing work done by that consultant firm on another Tollway contract - specifically if the consultant reviews progress reports and invoices of a contract that has that consultant as a part of the team.
2. The consultant does not review their own firm's work if that consultant firm is working on another Tollway contract.
3. Any other potential issue that a professional firm, professional individual or the Tollway reasonably determines is inappropriate shall not be allowed to occur.

**IV. REQUIRED SUBMITTALS TO THE AUTHORITY**

Submittal requirements shall be in accordance with the CM Manual.

**V. ITEMS TO BE FURNISHED TO THE CONSTRUCTION MANAGER**

In addition to the items to be provided as described in the CM Manual, the following will be supplied:

1. It shall be the responsibility of the CM to select the applicable reduced record drawings from the Tollway's GIS Site.
2. Digital Ortho-Imagery, contours, horizontal and vertical survey control and center line of the project limits.
3. Copies of ISTHA Standard Specifications, Standard Drawings, and ISTHA Design Criteria can be obtained from the Tollway's website.
4. Copy of contract documents for all construction contracts noted in Section II.

**PROJECT SCHEDULE**  
**Contract No. I-12-4082**  
**Corridor Construction Management and Construction Management Services**  
**Elgin O'Hare Western Access Tollway**

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SCHEDULE

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1.	Proposal Meeting	January 2013
2.	CM Proposal Submittal	February 1, 2013
3.	CM Proposal Approval	February 8, 2013
4.	Board Award	February 28, 2013
5.	NTP	May 1, 2013
6.	Construction Start Date	July 17, 2013
7.	Construction Contract Completion**	June 30, 2018

\*\*Represents completion of construction for U.S. 20 to IL 83 section, wetland mitigation site and initial O'Hare access ramp from York Road.

See Attachment "A"

**Bridge Improvements within Project Limits**

**Contract No. I-12-4082  
Corridor Construction Management and Construction Management Services  
Elgin O'Hare Western Access Tollway**

<b>4039 Elgin O'Hare: U.S. 20 to Meacham Rd/Medinah Rd.</b>						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		US 20 <sup>1</sup>	U	Steel	B (IDOT)
	EB, WB		Metra RR <sup>1</sup>	O	Steel	A
	EB, WB		Gary Avenue Ramp	U	Steel	A
	EB, WB		Springinsguth Road and Ramp	O	Steel	A
	EB, WB		IL 19	O	Steel	A
	EB, WB		Rodenberg Road	O	Steel	A
	EB, WB		Wright Boulevard	O	Steel	A
	EB, WB		Mitchell Boulevard	O	Steel	A
	EB, WB		CPRR Spur	O	Concrete	A
	EB, WB		Roselle Road	U	Steel	B (Cook)
	EB, WB		Plum Grove Road	U	Steel	B (Roselle)

<b>4014 Elgin O'Hare: Meacham Rd./Medinah Rd. to Arlington Heights Rd.</b>						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Medinah/Meacham Rd	O	Steel	B(DuPage/Cook Co.)
	Ramp G1		Ramp G7, EO Expy and I-290 <sup>1</sup>	O		B(IDOT)
	EO		Rohling Rd	U		B(IDOT)
	Ramp K2		Ramp G3	O		A
	Ramp K1		Ramp G2 and G5	O		A
	WB EO/Ramp K1		I-290 <sup>1</sup>	O		A
	Ramp G5		I-290 and EO Expwy <sup>1</sup>	O		B(IDOT)
	EB EO		I-290 <sup>1</sup>	O		A
	Ramp G3		I-290 <sup>1</sup>	O		A
	Ramp G1		Ramp G7 <sup>1</sup>	O		B(IDOT)
	Ramp G6		Ramp K3 <sup>1</sup>	O		B(IDOT)
	EB, WB		Park Blvd.	O		A
	EB, WB		Arlington Heights Rd.	O		A.
	Rohling Rd.		Dry Land Bridge	O		B(IDOT)

4042 Devon Av Bridge Reconst. Park Blvd./Pierce Rd./Ketter Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB/WB Devon Av		I-290	O	TBD	B(IDOT, Cook Co.)

4040 Elgin O'Hare: Arlington Heights Rd. to Lively Blvd.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Prospect Avenue	O	TBD	A
	EB, WB		Salt Creek	O	TBD	A
	EB, WB		Salt Creek Frontage Road	O	Steel	TBD
	EB, WB		Mittel Boulevard	O	TBD	A
	EB, WB		Wood Dale Road	U	TBD	B (DuPage)

4041 Elgin O'Hare: Lively Blvd. to Supreme Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Lively Boulevard	O	TBD	A
	EB, WB		IL 83	O	TBD	A
	EB, WB		RR Spur	O	TBD	A
	EB, WB		Supreme Drive	O	TBD	A

TBD						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	Hook (Ramps Q1, Q5, and Q6)		Over Ramps P1 and P8, West Bypass, RR Tracks, and York Rd.	O		B(DuPage)

- \*\* A Type – Illinois Tollway has complete maintenance responsibility.
  - \*\* B Type – Illinois Tollway has partial maintenance responsibility.
  - \*\* C Type – Illinois Tollway has complete or partial maintenance responsibility.
- <sup>1</sup>CM responsibilities

## Attachment A

### Web-based Project Management System

The Illinois Tollway has a Web-based Project Management System (System) that will be used by project participants on Tollway CRP projects. The System provides a number of benefits to the project participants, including:

- 1) Simplification of communications.
- 2) Automated tracking of time-sensitive items.
- 3) Automated reporting.
- 4) Common document management and storage as electronic documents will reside in a central repository.
- 5) Audit trail of information so project participants will be able to determine who did what and when.
- 6) Real-time access and exchange of information.
- 7) Easy, secure, 24/7 access to project information over the Internet via a computer and an Internet browser.

The successful consultant must establish broadband Internet connectivity in order to effectively utilize the System (T1 is recommended) and must comply with all work instructions and procedures relating to its use. The consultant must furnish all hardware and software required to effectively utilize the System, including personal computers, peripheral software, virus protection software, System plug-ins, ActiveX installation, firewall configuration and high-speed document scanners. The consultant will be solely responsible for coordination between its subconsultants & suppliers, and the System. All document transmittals and written communication from the consultant to the Illinois Tollway must be made electronically via the System. In certain cases where "wet signatures" and/or stamps are required by the Tollway, document transmittals must be made simultaneously via the System for record and by traditional means for paper documents, unless the consultant is directed otherwise in writing by the Tollway. Once stamped/signed documents have been obtained, they must be scanned and uploaded to the System for record.

All consultant, subconsultant and supplier employees who will use the web-based system must complete the training provided by the Tollway prior to having access to the system. A valid e-mail address must be provided prior to training session. The consultant agrees to comply with all terms and conditions associated with use of the web-based project management system.

- 1.0 Consultant shall utilize ISTHA web based project management system to track and manage projects. System shall be an official record of all project communication. Consultant shall post copies of all project related documents on the System.
- 2.0 Within 14 calendar days of Notice to Proceed , Consultant shall designate a website manager (coordinator) who is to be the point of contact with ISTHA website implementation and support staff.



- 3.0** Consultant is required but not limited to submit the following using the System:
- 3.1 Submittal schedule, submittals shall be processed using the System to provide a record of activity.
  - 3.2 Progress reports.
  - 3.3 Inspection reports.
  - 3.4 Requests for information, project clarifications, general communication and project related issues.
  - 3.5 Meeting agendas, no later than 3 days before meeting.
  - 3.6 Minutes of meetings, no later than 3 days after each progress meeting date, distribute copies of minutes via the System to each party present and to other parties who should have been present. Include a brief summary in narrative form of progress since the previous meeting and report.
- 4.0** Document submission requirements. Project documents transmitted via the System must comply with the following electronic formats:
- 4.1 Documents that are marked up or unavailable in electronic format (drawings, sketches, correspondence, etc. generated by hand drafting methods) shall be scanned to PDF (.pdf) , black and white with maximum resolution of 200dpi using CCITT Group 4 (2d Fax) compression.
  - 4.2 Documents that have been generated using Adobe Acrobat PDF printer drivers (not scanned) shall be submitted to the System.
  - 4.3 Electronic photographs shall be submitted in JPEG (.JPG) file format, sized at a minimum resolution of 1024x768 pixels.
  - 4.4 Grayscale or color photo images that are scanned shall be saved in JPEG (.JPG) file format with medium to low quality compression at a maximum resolution of 200 dpi.
  - 4.5 Product data that is available for download from the Manufacturer's website, that has been generated using Adobe Acrobat .PDF printer drivers (not scanned) may also be submitted via the System.

System Requirements	
Operating System	Windows XP
Internet Browser	Internet Explorer version 6.0 or greater
Processor Speed	2.0 GHz or greater
System Memory (RAM)	512 Megabytes or greater
Hard Drive Space	1500 Megabytes (1.5Gb)
Display Resolution	1024x768 or greater
Connection Type	Broadband Internet Connection (T1) – If a T1 is not an available option, each System participant must have a dedicated (not shared) DSL or equivalent Internet connection.
Other hardware	CD-ROM or DVD drive
Recommended Professional Document Scanners <sup>6</sup>	
Medium Format Scanner <sup>1</sup>	Canon DR-5020 Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Canon DR-5080C Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D IPC Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D VRS Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Epson GT-30000 Document Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS610 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS810 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select P36 Color Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select MP36 MonochromeScanner or equivalent
Required Additional Software	
Portable Document Format(.PDF) file reader	Adobe Acrobat Reader <sup>2</sup>
Portable Document Format(.PDF) file generator	Adobe Acrobat <sup>3</sup>
ZIP File compression utility	WinZip <sup>4</sup> or equal

<sup>1</sup> Large and medium format scanning may also be outsourced to a digital reproduction house in your locale.

<sup>2</sup> Adobe Acrobat Reader is free software available for download at <http://www.adobe.com/>

<sup>3</sup> Adobe Acrobat is not a free software and must be purchased. At least one copy of the software must be purchased by the Consultant and must reside on a PC accessible to all users within the Consultant's office. The purchase and installation of multiple copies is recommended.

<sup>4</sup> A fully functional evaluation version of WinZip is available for download at <http://www.winzip.com/>, alternative free file compression utility is 7-zip available at <http://www.7-zip.org/>

**Note:** The scanner models specified meet the requirements of website usage and are provided for information purposes only. Scanner models may change or be discontinued by the manufacturer.

Exhibit F -  
Attachment "A"

Contract / Section No.	Description	Schedule														
		Start Date	Finish Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
W01	US 20 to Roselle	3/15/2014	10/31/2014													
W02	Rosselle to Meachem	3/15/2014	12/1/2014													
W03	Noise Walls - US 20 to Roselle	7/17/2013	10/31/2013													
W04	Noise Walls - Roselle to Meachem	7/17/2013	10/31/2013													
C01	Rohlwing Road Overpass	11/22/2013	9/26/2015													
C02	Elgin O'Hare - Meachem to IL 53	3/24/2014	11/1/2015													
C03	NB I-290 WB to Elgin O'Hare	3/15/2014	9/20/2015													
C04/C05	Ramps: EB I-290 to WB Elgin O'Hare, E. IL 53 & EB EO to I-290	3/24/2014	11/1/2015													
C06	WB Elgin O'Hare to I-290	3/27/2015	11/1/2016													
C07	EB Elgin O'Hare - IL 53/Rohlwing Rd to Park	3/25/2016	11/1/2017													
C08	Elgin O'Hare - Park to Arlington Hts Rd	3/25/2016	11/1/2017													
C09	Devon Ave Bridge	3/19/2015	11/1/2015													
C10	Park Blvd - Pierce Rd - Ketter Dr	3/29/2014	8/31/2014													
C11	Elgin O'Hare - Arlington Hts to Salt Creek	3/15/2016	11/1/2017													
C14	Maintenance Facility	3/26/2015	11/13/2015													
E01	Elgin O'Hare - Salt Creek to Lively Blvd	3/15/2016	10/1/2017													
E02	Elgin O'Hare - Lively Blvd to IL 83	3/15/2016	12/1/2017													
E03	Elgin O'Hare - IL 83 to East of Supreme Dr	3/15/2018	11/29/2020													
N04	Western Access from York Road	4/1/2017	9/28/2018													
	Wetland Mitigation Site - Lake County															
TL01	Tolling - US 20 to I-290	10/21/2014	8/16/2015													
TL03	Tolling - I-290 to Salt Creek	4/5/2017	10/21/2017													
TL04	Tolling - Salt Creek to IL 83	7/5/2017	7/1/2018													
S01	I-294 @ IL 64 & County Line Rd	3/15/2020	11/1/2021													
S02	Taft Avenue Extension	3/15/2018	11/1/2019													
IN02	Elmhurst Rd/Touhy Ave Interchange	3/15/2017	7/31/2018													
IN01	Elhurst Rd/Oakton St Interchange	3/15/2015	11/1/2015													
N07	Touhy Ave UPRR Grade Separation	4/1/2021	11/1/2022													
S11	Franklin Park Drainage Improvements	3/15/2018	11/1/2019													
TL06	Tolling - I-294 at IL 64	11/1/2020	11/1/2021													
TL07 partial	Tolling - Franklin/Green to I-294 (Use 10% - S02 project)	10/31/2019	11/1/2020													

-  CM Services
-  CCM Services
-  Contingency CCM Services

**EXHIBIT G**

**Contract No. I-12-4082**

**T Y Lin International Great Lakes, Inc.**

**CURRENT OBLIGATIONS FOR PROJECT**

<b>Route &amp; Job No.</b>	<b>Work Scope &amp; Description of Project</b>	<b>Fee (Including all Supplementals and Extra Work Orders) (total all work)</b>	<b>Fee Remaining To Be Earned</b>	<b>Estimated Date of Completion</b>
PTB 12-5	EOWA Construction Management Services	\$10,524,000.00	CM Services \$3,528,000.00	6/1/2018
CDOT	Misc Design Services and Construction Management Services	\$16,384,000.00	Design \$171,000.00	12/31/2016
			CM Services \$1,053,000.00	12/31/2017
IDOT	Misc. Design Services and Construction Management Services	\$27,834,000.00	Design \$119,000.00	3/31/2017
			CM Services \$2,162,000.00	12/31/2017
Other	Metra and CTA Design, and other	\$29,866,000.00	Design \$2,173,000.00	12/31/2017
			CM Services \$737,000.00	12/31/2017

**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**

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Direct Labor	\$	-																			
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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: \$1 -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): 0.00%

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: \$ \_\_\_\_\_ -

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2016												TOTAL HOURS
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
CM													
Inspector/ Field Engineer												5	5
<b>TOTALS</b>												5	5

Notes:  
 1.) Use as many pages as required to show the entire schedule for this project.  
 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3





Project Number: I-12-4082

Consultant: AAA Engineering, LTD.

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		
CM														
Inspector/ Field Engineer	20													20
<b>TOTALS</b>	20													20

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Date Revised 04/09/12

Project No. I-12-4082

Consultant: AAA Engineering, LTD.

### EXHIBIT B - FEE CALCULATIONS

**A. DIRECT SALARY (without overtime)**

Total Work Hours: 1,685.00  
(From Exhibit C-3)

Total Dollars: \$ 69,658.00  
(From Exhibit C-3)

Multiplier to be used on this project:  
Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

2.80

DIRECT REGULAR SALARY TIMES MULTIPLIER

\$ 195,042.40

**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**  
(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$ 14,457.60

**C. SERVICES BY OTHERS**

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -  
(Do not including estimated additional services)

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -  
(Do not including estimated additional services)

TOTAL SERVICES BY OTHERS \$ -

**D. ADDITIONAL SERVICES (prime and subconsultants)**  
(Requires prior authorization before use)

**E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)**

\$ 209,500.00

Date: 10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Project Principal	Rachel Borenstein	70.00	70.00	No
Project Manager	Oren Skidelsky	70.00	70.00	No
Senior Electrical Engineer	Sheldon Kirshner	80.00	72.00	No
	John Mirabella	64.00		No
Electrical Engineer	Alex Farekas	54.00	54.63	No
	Boris Gorelik	57.50		No
	Steven Choi	52.00		No
	Irwin Smiley	55.00		No
Senior Mechanical Engineer	Morrie Lieberman	64.00	67.00	No
	George Pavlakis	70.00		No
Design Engineer	Eric Mirabella	32.25	32.25	No
Inspector/Field Engineer	Bruce Spero	49.17	40.99	No
	Ryan Christoffel	39.14		No
	Matt Loszach	34.65		No
Technician II	Chris Martin	29.00	27.68	Yes
	Habib Rouf	28.50		Yes
	Claire Goodman	35.20		Yes
	Tahddeus Andry	18.00		Yes
Administrative	Hannah Ange	39.18	28.34	Yes
	Alesia Rivera	17.50		Yes

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

Project No.: I-12-4082

Date: 10/3/2016

Consultant: AAA Engineering, LTD.

**EXHIBIT C-2: PAYROLL CLASSIFICATION ESCALATION TABLE**

CONTRACT TERM: 14 NO. OF MONTHS  
 SCHEDULED START DATE: 12/1/2016  
 RAISE DATE: 10/1/2017  
 PERCENT OF RAISE: 3%

**ESCALATION PER YEAR**

Date	Date	Date	Date	Date	Date
12/1/2016 - 9/30/2017	10/1/2017 - 1/31/2018				
10.0	4.0				
14.0	14.0	14.0	14.0	14.0	60.0
71.43% Factor First Period	29.43% Escalation Factor Second Period				
		Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period	Escalation Factor Sixth Period

The escalation factor for this project is: 100.86%



**EXHIBIT D**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**A. VEHICLE REIMBURSEMENT**

Daily Rate	<u>\$65.00</u>	X	<u>222</u>	\$	<u>14,430.00</u>
	Includes Tolls		No. of Days		

Mileage	<u>\$0.54</u>	X		\$	<u>-</u>
	Mileage Rate		No. of Miles		

(Use mileage rate found at:

<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.a>

<b>TOTAL VEHICLE REIMBURSEMENT</b>		\$	<u>14,430.00</u>
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**B. ALLOWABLE DIRECT COSTS - Enter the total budget of items from the attached Allowable Direct Costs list here:**

[http://www.illinoistollway.com/documents/10157/36206/LG TO LLWAY XX ALLOWABLEDIRECTCOSTS\\_08012008.PDF](http://www.illinoistollway.com/documents/10157/36206/LG_TO_LLWAY_XX_ALLOWABLEDIRECTCOSTS_08012008.PDF)

\$	<u>27.60</u>
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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**

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**TOTAL ITEMIZED DIRECT COSTS**

**EXHIBIT D (Continued)**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**D. PREMIUM OVERTIME**

Classification	Estimate of Overtime Hours	Escalated Hourly Rate (Premium Portion Only) (SEE NOTE 1 BELOW)	Premium Overtime Dollars (Hours x Rate)

**TOTAL PREMIUM OVERTIME \$**

**(1) Premium portion is equal to 1/2 of the escalated average hourly rate for the classification. This number is to be hard entered. DO NOT enter a formula**

## 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.”**

## 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.

Project No. I-12-4082

Consultant: AAA Engineering, LTD.

**EXHIBIT E - KEY PROJECT PERSONNEL**

Inspector/Field Engineer Bruce Spero

Classification: Inspector/Field Engineer

Inspector/Field Engineer Ryan Christoffel

Classification: Inspector/Field Engineer

Project Engineer: \_\_\_\_\_

Classification: \_\_\_\_\_

Resident Engineer: \_\_\_\_\_

Classification: \_\_\_\_\_

Documentation Engineer: \_\_\_\_\_

Classification: \_\_\_\_\_

Project Civil Engineer: \_\_\_\_\_

Classification: \_\_\_\_\_

Project Structural Engineer: \_\_\_\_\_

Classification: \_\_\_\_\_

Project Drainage Engineer: \_\_\_\_\_

Classification: \_\_\_\_\_

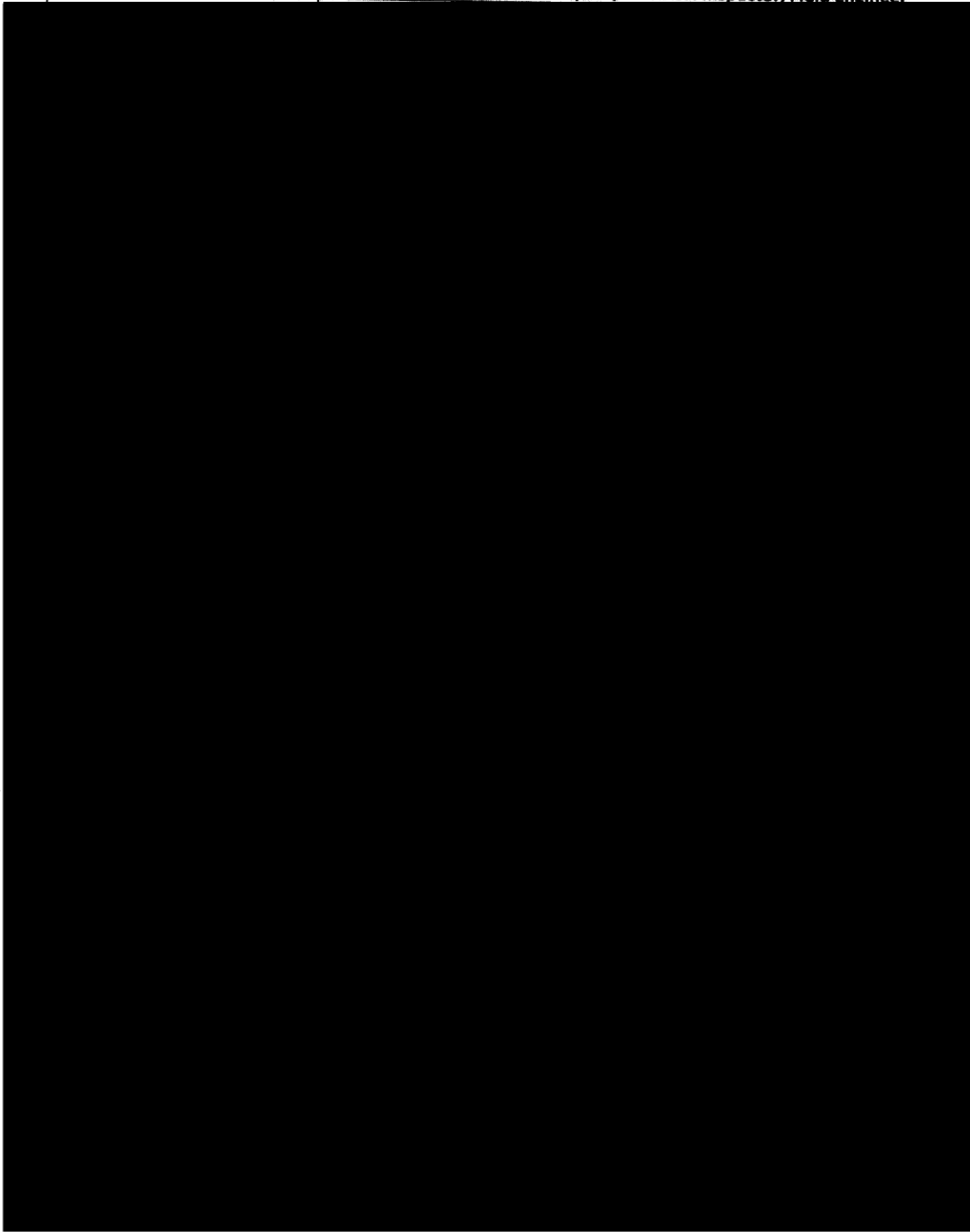
Senior Engineer: \_\_\_\_\_

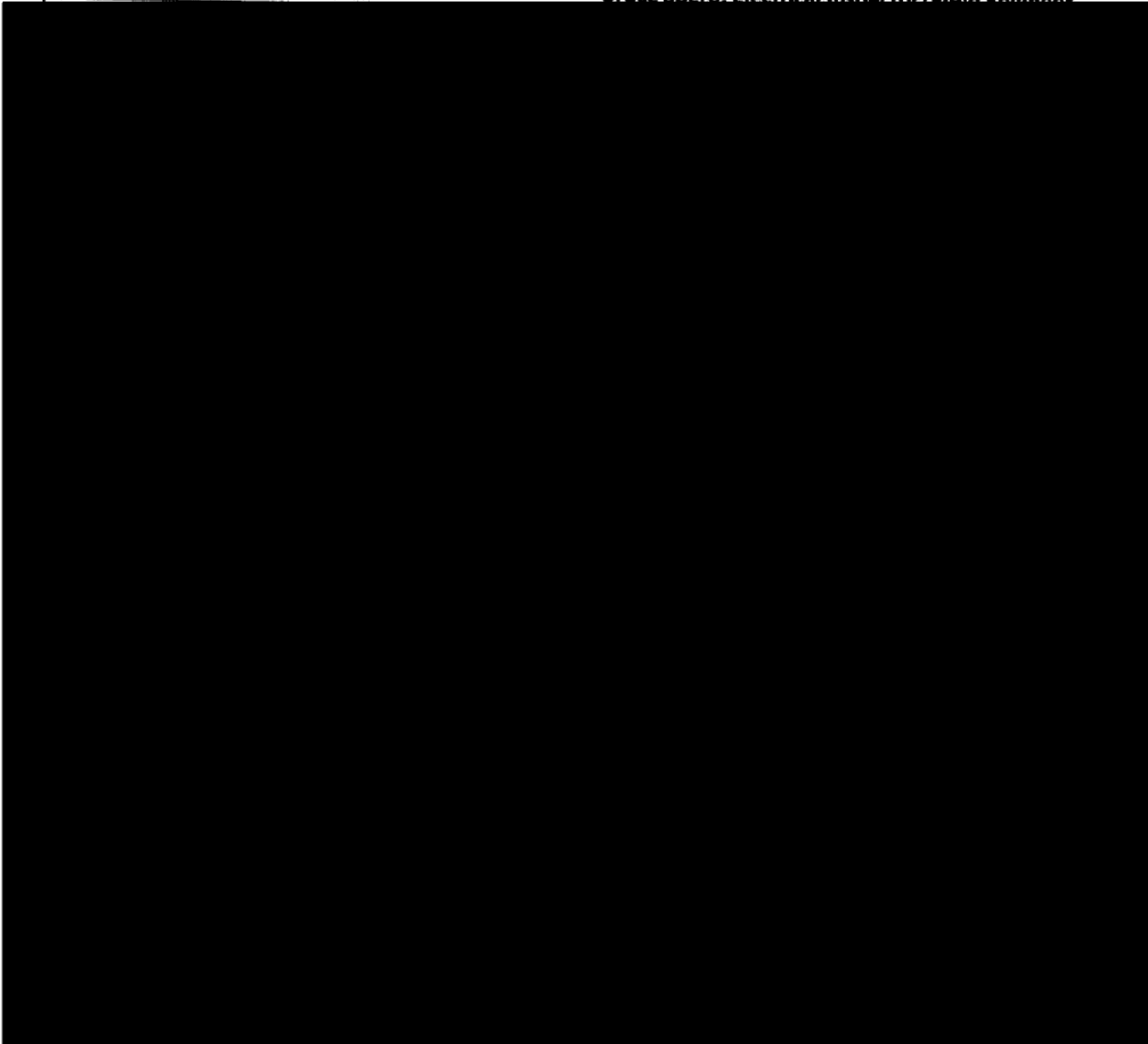
Classification: \_\_\_\_\_

Others: \_\_\_\_\_

List all key personnel titles that are applicable to this project.

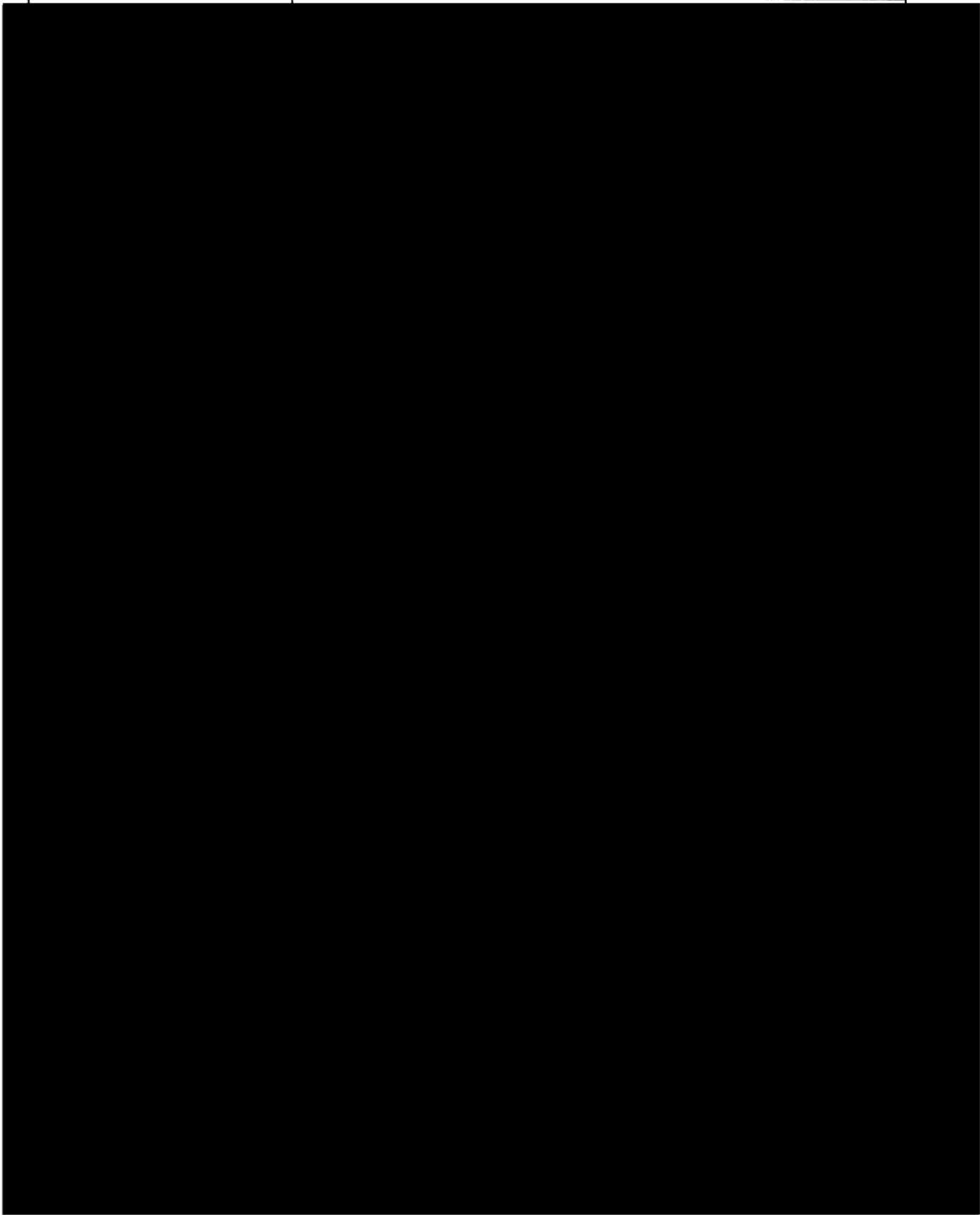
Attach resumes of all key personnel; Names on resumes must match exactly as they appear here.

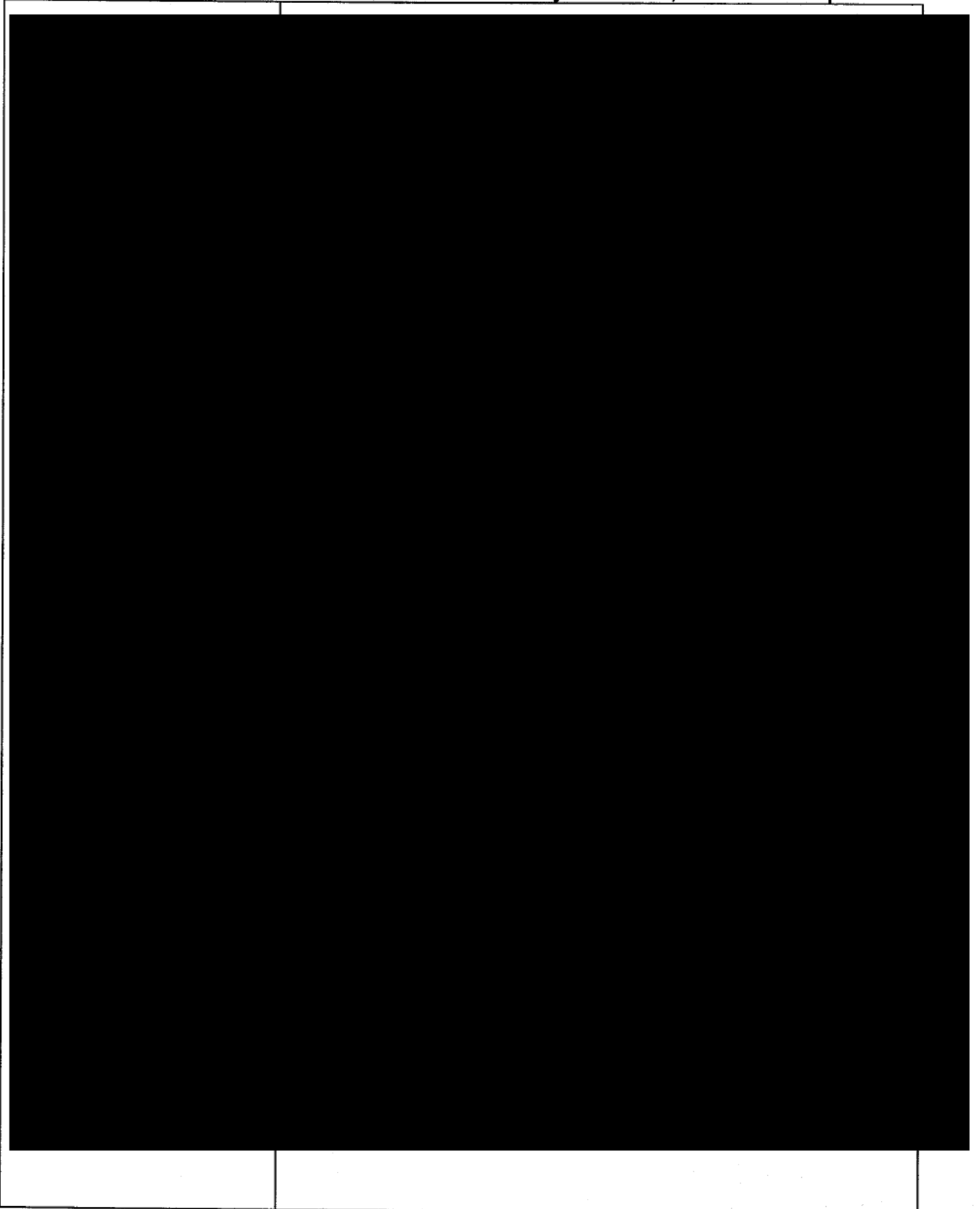




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EXHIBIT "1"  
PAGE 290 OF 367





AAA Engineering, Ltd.

# **Exhibit F**

## **Scope of Work**

**Elgin O'Hare Western Access  
Corridor Construction Management Services**

Contract No. I-12-4082

**Illinois State Toll Highway Authority**



## I. PROJECT DESCRIPTION

This project is to provide Phase III engineering services as required for the corridor construction management, construction inspection, and supervision at selected locations, including the I-290 flyover ramps and other miscellaneous construction contracts associated with the Elgin O'Hare Western Access (EOWA) project in DuPage and Cook Counties, Illinois. The EOWA corridor will consist of separate Construction Management (CM) sections. Within each CM section will be individual construction packages. Each CM may provide phase III engineering services for one or more construction packages.

The project also includes Phase III engineering services including construction inspection and supervision for the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps. Phase III engineering services also include the east segment of ITS installation. The Consultant will perform on-site inspection, review layout of the contract including design changes, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with Tollway specifications. The Consultant must complete and submit final measurements, calculations and final contract documents to the Tollway no later than six (6) weeks after completion of Punch List for the project. The Consultant must have MicroStation capabilities. All final documents shall be submitted in hard copy and electronic format and follow the ICAPP Manual. All CADD file documents shall be required to contain all record drawing modifications.

The EOWA project consists of upgrading and extending the Elgin O'Hare Expressway between IL 19/Gary Avenue and the O'Hare Western Access for about 10 miles. Between IL 19/Gary Avenue and I-290, the expressway will be widened and upgraded along the existing alignment. East of I-290, extending to the Western Access and the proposed O'Hare West Terminal, Thorndale Avenue will be upgraded to a new full-access controlled expressway. The median will accommodate potential dedicated transit service. To accommodate local traffic circulation, frontage roads are proposed extensively throughout the corridor. Service interchanges will provide access at IL 19, Springinsguth Road, Wright Boulevard, Roselle Road, Meacham Road, Rohlwing Road, Park Boulevard, Arlington Heights Road/Prospect Avenue, Wood Dale Road, and IL 83. Access to other intersecting roadways will be provided by a frontage road system. A full-access system interchange will be provided at I-290.

The EOWA project also consists of constructing the O'Hare Western Access, an access controlled Tollway section that will extend from I-90 at the current location of the Des Plaines Oasis to I-294, about 6.2 miles along the western edge of O'Hare Airport. The Western Access Tollway will generally extend southeast along the north edge of Green Street, then cross the Union Pacific Railroad and proceed south, paralleling the east side of the railroad, to a new system connection with I-294 near Grand Avenue. A new bridge that reconnects Taft Road across the Bensenville Yard, linking Franklin Avenue and IL 19 will be constructed, and a full-access system interchange will be provided at I-294. Part of I-294, extending roughly from Grand Avenue south to North Avenue, will be improved to accommodate system ramp connections and lane balance requirements. The proposed median will accommodate potential dedicated transit service north of Thorndale Avenue. System interchanges are proposed at I-90, the Elgin O'Hare Tollway, and I-294. Service interchanges are proposed at IL 72, the proposed O'Hare West Terminal, IL 19, and Green Street/Franklin Street.

## II. CONSTRUCTION MANAGEMENT (CM) SERVICES

### A. EXECUTION OF ENGINEERING SERVICES

1. The CM shall furnish services in accordance with the articles contained in the Authority's CM Manual dated March, 2012, and all applicable Tollway Criteria, Manuals and Bulletins.

Phase III construction management services will be provided for various construction contracts within the corridor, including but not limited to the Elgin O'Hare and I-290 interchange ramp construction which includes construction of two proposed third level flyover ramps.

2. The CM shall screen loads before they are sent to a Clean Construction or Demolition Debris (CCDD) facility using a 10.6 eV Photoionization Detector. The Detector should be provided by the CM.
3. The CM shall include the Design Corridor Manager (DCM) and Design Section Engineer (DSE) as sub-consultants for the review of shop drawings or for responses to inquiries concerning the design and plan interpretation during construction. This scope of work for the DSE's is not included separately.

### III. CORRIDOR CONSTRUCTION MANAGEMENT (CCM) SERVICES

#### A. EXECUTION OF ENGINEERING SERVICES

1. The Corridor Construction Manager (CCM) is responsible for all aspects of the construction management, coordinating the efforts of the individual project Construction Managers (CM) and a construction support team. The CCM reports directly to the Tollway Project Manager. The CCM will be responsible for coordination of the construction work for the Tollway. The CCM will provide a project lead that will be the single point of contact for the project and will be responsible for overall management of the project and coordination and management of the various project contracts. The CCM shall regularly coordinate and meet with the project consultants (CMs, CM Upon Request (CUR) consultants, Survey Upon Request (SUR) consultants, Design Corridor Manager (DCM), Land Acquisition consultants, Geotechnical Services Upon Request consultants, Utility Coordination and SUE consultants, other project consultants as necessary) and Tollway Departments (including but not limited to Maintenance and Operations, Tollway Engineering, Business Systems, ITS, Land Acquisition, Communications and Planning).

The tasks to be performed by the CCM shall include but not be limited to the following:

1. Support Tollway's internal decision-making process for scope definition, budget change approval, schedule change approval and quality control.
2. The CCM will assist the Tollway in identifying services required to be performed by other contracts and preparation of associated scopes of work and project schedule documents for such contracts. The CCM will assist in reviewing and coordinating project consultants project reporting. The CCM shall coordinate between various contracts managed by others to ensure that the corridor established schedule is maintained in order to meet project need.
3. The CCM will provide recommendations for contract packaging based upon project priorities and criteria. The DCM will prepare associated exhibits and reports.
4. Coordination and project management of CM contracts. The CCM will be the single point of contact between the Tollway and project consultants and will be responsible for delivery of project contracts through the construction phase in accordance with established Tollway schedules and budget. The CCM scope of work includes coordinating corridor construction issues, maintaining a corridor decision log, ensuring consistency (MOT, Communication, etc.), preparing transmittal memos and letters, chairing corridor wide meetings (eg. Stage Change meetings) and assistance with preparation of Staff Summary Sheets required for changes in project schedule and budget.
5. Attend project meetings including contract preconstruction meetings, preconstruction materials meetings, preconstruction sediment and erosion control meetings, weekly progress meetings and other meetings as required.
6. The CCM will monitor CM/Contractor adherence to Soil and Erosion Control requirements.
7. Coordination of Intergovernmental Agreements and/ or permits with IDOT, Local Agencies, airports and Railroads. The CCM shall be the main single point of contact with the affected agencies and will coordinate with the DCM to ensure that all project related agreements and permits are secured for each construction contract. The CCM shall regularly meet with the affected agencies and coordinate project issues with the Tollway, CMs and other affected parties. The CCM will be the single point of

- contact with IDOT, Local Agencies, airports, railroads and other affected agencies for construction phase activities.
8. Coordination with project stakeholders including; airports, communities, business organizations, general public and other interested parties. The CCM scope of work includes assisting the DCM with coordination of public outreach meetings and regular agency coordination meetings, preparation of corridor exhibits and chairing meetings with interested parties as requested; preparation of project information that can be distributed to interested parties; participation in public meetings including providing project presentations; coordination with Tollway Communications Department and providing corridor information and exhibits. The CCM will prepare exhibits and meet with Local Agencies and IDOT to discuss project impacts to Local and IDOT facilities (including cross road traffic and drainage impacts). The CCM will coordinate with the DCM to maintain a log of permits, agreements, etc. required from IDOT and Local Agencies, railroads and utilities.
  9. The CCM will maintain a corridor design and construction schedule. The CCM will maintain a corridor construction cost estimate. The corridor design and construction schedule will be required to be maintained in Primavera P6 format or latest update. The CCM will review DCM developed schedules and will concur with the schedule or make recommendations for modifications.
  10. Periodic observation of CM activities to verify their knowledge, skill, and ability to achieve the desired results. Provide Tollway PM input after observations.
  11. Provide input toward Contractors Interim Performance Evaluations and Final Performance Evaluation. (ISO P 3040), Submit to Tollway DPM of construction for review and consideration.
  12. Review and approve Authorization to Proceed prior to submittal to C5 committee. Review and approve Change Orders and Extra Work Orders prior to submittal to the Tollway. (ISO P 3080)
  13. Facilitate documentation, tracking and resolution of Contract Dispute Resolution Procedure. (ISO P 3120)
  14. Address all construction issues raised by the Tollway Departments.
  15. Assist the C5 committee in resolving any discrepancies between the contractor's estimates and CM's independent cost estimate in order to reach an agreement.
  16. Assist in the notification of local officials of major, disruptive construction work.
  17. Assist Tollway departments in responding to inquiries from public officials and/or the press.
  18. Promote informal partnering by establishing working relationships between the Contractor, CM, DSE, outside agencies and the Tollway.
  19. Review and make recommendations with respect time extensions of project schedule related to change orders and extra work orders.
  20. The CCM will assist in preparation of Board Meeting materials including review of Board Script information, Board Item summaries, etc.
  21. Track CM process for warranty and submittals.
  22. Develop a corridor earthwork management plan in cooperation with the Design Corridor Manager (DCM) and Tollway.
  23. Documenting lessons learned and providing applicable documentation and direction to CMs.
  24. Public Coordination services including, but not limited to, those associated with the project Local Advisory Committee. The DCM will continue as the lead for the Local Advisory Committee with participation by the CCM as necessary.

25. Diversity and Sustainability Initiatives. The CCM will be required to coordinate with the project CMs and report on corridor performance with respect to DBE/EEO progress and goal attainment, green initiative progress, etc.
26. Administrative support including, but not limited to, preparation of project correspondence, scheduling meetings, preparation of meeting agendas and meeting minutes, Proliance Web Based Management administration and communication.
27. The CCM will be required to utilize the Tollway's Web Based Project Management System for all official project communications.

The corridor construction support team is comprised of construction and documentation engineers reporting directly to the CCM and are responsible for coordinating the efforts of the various CMs and ensuring that the day to day activities of the CMs and respective Contractors are in accordance with the Tollway Construction Manual and meet Tollway criteria. The tasks to be performed by the corridor construction support team shall include but not be limited to the following:

1. Provide bid phase and post design coordination and support.
2. Provide general coordination and oversight of the Construction Project Managers (CPM). Monitor CMs and assist in resolving anticipated field problems.
3. Make recommendations to the Tollway with respect to field changes and other technical field problems.
4. Coordinate and monitor CPMs for consistency between construction sections.
5. Review contract documents and specifications with regard to constructability and consistency between design sections. Coordinate and confirm completion of constructability reviews by CMs.
6. Provide separate constructability reviews from the CM with the objective to ensure consistency between design sections, that the numbers of potential change orders are minimized and the probability of delays and disputes are reduced.
7. Coordinate required revisions identified within the constructability reviews with the DCM.
8. Attend meetings with Tollway and outside agencies for issues that arise during construction.
9. Coordinate and monitor the CMs for consistency between sections by performing on-site internal QA audits of CM's documentation and material inspection for compliance with approved plans and procedures.
10. Coordinate overall construction issues, stages, etc. between adjacent projects.
11. Utilize the Tollway's web-based management software to inform Construction Management Team (CM, CPM & CCM) of resolution of corridor issues.
12. Coordinate and attend monthly construction coordination meetings with project CMs. Document in accordance with Tollway procedures. Schedule and invite meeting attendees and Tollway stakeholders, as required.
13. Quarterly review (minimum) of implementation and construction activities for compliance with approved QNQC plan.
14. Issues NCR's when applicable and monitors the NCR process as it related to their project. Reports investigation and action to prevent reoccurrence to CCM. (F 5070)
15. Assist in coordination and attend all coordination meetings between affected municipalities, utilities and other agencies required for the project.
16. Assist DCM to resolve design issues that arise during construction and communicate resolution to Construction Project Managers.
17. Facilitate and expedite contract closeout to ensure that all work is completed in accordance with the contract documents. Schedule final closeout meeting.

18. Monitor Quality Assurance items such as:
  - a. Monitor NCRs initiated by the Tollway, DSEs, CMs and Contractors for trends that required corrective action initiatives.
  - b. Monitor customer complaints and other customer feedback to identify the need for corrective action initiatives or the opportunity for preventative actions.
  - c. Initiate and monitor preventative action initiatives and report on their status to the Tollway Design Managers. (F 5050)
19. Review warranty materials assembled by the CM and summarize key components for the Tollway.
20. Frequent/Daily Review of CM logs (RFI's, Shop Drawings, PCO's, etc.) for timeliness of response, action and reporting, review response/direction for CM for item closure.
21. Frequent/Daily Review tracking of approved extra work orders relative to approved/submitted pay request versus approved PCO upper limit.
22. Coordinate the scheduling of preconstruction meeting and distribution of the Meeting Agenda (P 1040). Confirm all Tollway Departments and outside agencies with a stake in the project are invited.
23. Assist the CM in coordinating the pre-construction meeting.
24. Responsible for follow-up activities associated with the preconstruction meeting.
25. Maintain knowledge of overall project status as well as impacts of construction on Tollway users and surrounding communities.
26. Monitor CM's activities to confirm tasks set forth in the Tollway Construction Manual are completed.
27. Coordinate responses to RFI's and project submittals.
28. Coordinate and facilitate construction submittal review with Tollway departments. Schedule review meetings with Tollway departments as required expediting approval of critical items.
29. Prioritize and expedite resolution of issues that arise during construction
30. Elevate Lessons Learned issues that arise during construction to the CDM and CCM, whom subsequently inform other design or construction sections.
31. Confirm submittal, review and approve monthly Project Status Reports. Confirm that project binders are updated weekly with weekly reports and logs.
32. Review and monitor CM documentation and material inspection, including Contractor adherence to the Contract DBE and EEO plans.
33. Monitor material inspection and QAQC programs.
34. Monitor the response time for and coordinate consistency of RFI's, submittals and correspondence.
35. Review and approve C5 Authorizations and Change/Extra Work Orders for completeness and accuracy prior to forwarding to the Tollway for processing.
36. Review progress schedules and adherence to the Approved Progress Schedules.
37. Review Value Engineering proposals for feasibility and benefit to the Tollway via written recommendation.
38. Attend weekly coordination and progress meetings with the CM, Contractor and Tollway staff.
39. Perform reviews (as required) of CM internal QA audits for compliance with approved plans.
40. Perform audit duties as requested to satisfy documentation review requirements.
41. Monitor CM and Contractor activities and issues NCRs as required.
42. Monitor CM and Contractor activities for schedule critical path elements.
43. A contingency has been added to the contract in order to allow for potential Corridor Construction Management Services for construction contracts that may be advanced and that are associated with receipt of non-Tollway funding for construction. A

requirement of such funding is that work needs to start within a specific time frame. The Tollway is adding has included contingency funding to the contract to ensure that the Tollway is in a position to receive the funding and manage the construction for any of these projects if they are approved. Contingency funding has also been included to allow for an EOWA corridor project office. The Tollway is continuing to explore opportunities for a project office to allow for a project office to be leased along the EOWA corridor at no cost to contract. Operating expenses for the project office are not anticipated to be provided for no cost and are assumed to be included in the contingency amount included in the contract. Release of contingency for operating expenditures for the project office will be required regardless of whether or not the Tollway will be responsible for lease of the office.

The Corridor Construction Manager (CCM) is to assist the Tollway and the DCM as communications liaison with all stakeholders. The tasks to be performed as communications liaison shall include but not be limited to the following:

1. Develop and distribute to all stakeholders a monthly construction stage change schedule. Prior to all significant stage changes, schedule, invite attendees and coordinate a stage change review meeting to present the upcoming stage change and impacts on Tollway users, traffic congestion, toll plaza personnel, and local municipalities.
2. Attend periodic Tollway Communication Department meetings as requested to provide program project summary.
3. Coordinate all lane closures and traffic stage changes for all construction contracts with the Tollway Maintenance, Communications, Toll Services, Facilities Maintenance as well as adjacent Tollway, IDOT, and local agency projects. Work will include ensuring that lane closure information is consistent, accurate, reliable and timely.
4. Will act as single point of contact for IDOT and local municipality coordination for construction phase activities. Coordinate development and tracking of status permits. Develop and track intergovernmental agreements and provide status updates to the effected agencies. Track reviews by outside agencies (non-utility) for timeliness and incorporation in the plans.
5. Provide executive level communication protocols to assure information is delivered in a format that supports the Tollway's internal decision making processes.
6. Prepare Incident Management Plan appendices.

The Construction Corridor Manager and its subconsultants are precluded from managing and directly supervising work that they are performing under other Tollway contracts. The following shall apply:

The CCM and its subconsultants can perform work on other Tollway projects provided that:

1. The consultant does not serve as the Tollway's project manager overseeing work done by that consultant firm on another Tollway contract - specifically if the consultant reviews progress reports and invoices of a contract that has that consultant as a part of the team.
2. The consultant does not review their own firm's work if that consultant firm is working on another Tollway contract.
3. Any other potential issue that a professional firm, professional individual or the Tollway reasonably determines is inappropriate shall not be allowed to occur.

**IV. REQUIRED SUBMITTALS TO THE AUTHORITY**

Submittal requirements shall be in accordance with the CM Manual.

**V. ITEMS TO BE FURNISHED TO THE CONSTRUCTION MANAGER**

In addition to the items to be provided as described in the CM Manual, the following will be supplied:

1. It shall be the responsibility of the CM to select the applicable reduced record drawings from the Tollway's GIS Site.
2. Digital Ortho-Imagery, contours, horizontal and vertical survey control and center line of the project limits.
3. Copies of ISTHA Standard Specifications, Standard Drawings, and ISTHA Design Criteria can be obtained from the Tollway's website.
4. Copy of contract documents for all construction contracts noted in Section II.

**PROJECT SCHEDULE**  
**Contract No. I-12-4082**  
**Corridor Construction Management and Construction Management Services**  
**Elgin O'Hare Western Access Tollway**

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SCHEDULE

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1.	Proposal Meeting	January 2013
2.	CM Proposal Submittal	February 1, 2013
3.	CM Proposal Approval	February 8, 2013
4.	Board Award	February 28, 2013
5.	NTP	May 1, 2013
6.	Construction Start Date	July 17, 2013
7.	Construction Contract Completion**	June 30, 2018

\*\*Represents completion of construction for U.S. 20 to IL 83 section, wetland mitigation site and initial O'Hare access ramp from York Road.

See Attachment "A"



**Bridge Improvements within Project Limits**

**Contract No. I-12-4082  
Corridor Construction Management and Construction Management Services  
Elgin O'Hare Western Access Tollway**

<b>4039 Elgin O'Hare: U.S. 20 to Meacham Rd/Medinah Rd.</b>						
<b>Bridge #</b>	<b>Traffic Direction</b>	<b>Mile Post</b>	<b>Location</b>	<b>Tollway Over (O) Under (U)</b>	<b>Type of Bridge</b>	<b>Maintenance**</b>
	EB, WB		US 20 <sup>1</sup>	U	Steel	B (IDOT)
	EB, WB		Metra RR <sup>1</sup>	O	Steel	A
	EB, WB		Gary Avenue Ramp	U	Steel	A
	EB, WB		Springinsguth Road and Ramp	O	Steel	A
	EB, WB		IL 19	O	Steel	A
	EB, WB		Rodenberg Road	O	Steel	A
	EB, WB		Wright Boulevard	O	Steel	A
	EB, WB		Mitchell Boulevard	O	Steel	A
	EB, WB		CPRR Spur	O	Concrete	A
	EB, WB		Roselle Road	U	Steel	B (Cook)
	EB, WB		Plum Grove Road	U	Steel	B (Roselle)

<b>4014 Elgin O'Hare: Meacham Rd./Medinah Rd. to Arlington Heights Rd.</b>						
<b>Bridge #</b>	<b>Traffic Direction</b>	<b>Mile Post</b>	<b>Location</b>	<b>Tollway Over (O) Under (U)</b>	<b>Type of Bridge</b>	<b>Maintenance**</b>
	EB, WB		Medinah/Meacham Rd	O	Steel	B(DuPage/Cook Co.)
	Ramp G1		Ramp G7, EO Expy and I-290 <sup>1</sup>	O		B(IDOT)
	EO		Rohlwing Rd	U		B(IDOT)
	Ramp K2		Ramp G3	O		A
	Ramp K1		Ramp G2 and G5	O		A
	WB EO/Ramp K1		I-290 <sup>1</sup>	O		A
	Ramp G5		I-290 and EO Expwy <sup>1</sup>	O		B(IDOT)
	EB EO		I-290 <sup>1</sup>	O		A
	Ramp G3		I-290 <sup>1</sup>	O		A
	Ramp G1		Ramp G7 <sup>1</sup>	O		B(IDOT)
	Ramp G6		Ramp K3 <sup>1</sup>	O		B(IDOT)
	EB, WB		Park Blvd.	O		A
	EB, WB		Arlington Heights Rd.	O		A.
	Rohlwing Rd.		Dry Land Bridge	O		B(IDOT)

4042 Devon Av Bridge Reconst. Park Blvd./Pierce Rd./Ketter Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB/WB Devon Av		I-290	O	TBD	B(IDOT, Cook Co.)

4040 Elgin O'Hare: Arlington Heights Rd. to Lively Blvd.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Prospect Avenue	O	TBD	A
	EB, WB		Salt Creek	O	TBD	A
	EB, WB		Salt Creek Frontage Road	O	Steel	TBD
	EB, WB		Mittel Boulevard	O	TBD	A
	EB, WB		Wood Dale Road	U	TBD	B (DuPage)

4041 Elgin O'Hare: Lively Blvd. to Supreme Dr.						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	EB, WB		Lively Boulevard	O	TBD	A
	EB, WB		IL 83	O	TBD	A
	EB, WB		RR Spur	O	TBD	A
	EB, WB		Supreme Drive	O	TBD	A

TBD						
Bridge #	Traffic Direction	Mile Post	Location	Tollway Over (O) Under (U)	Type of Bridge	Maintenance**
	Hook (Ramps Q1, Q5, and Q6)		Over Ramps P1 and P8, West Bypass, RR Tracks, and York Rd.	O		B(DuPage)

- \*\* A Type – Illinois Tollway has complete maintenance responsibility.
  - \*\* B Type – Illinois Tollway has partial maintenance responsibility.
  - \*\* C Type – Illinois Tollway has complete or partial maintenance responsibility.
- <sup>1</sup>CM responsibilities

## Attachment A

### Web-based Project Management System

The Illinois Tollway has a Web-based Project Management System (System) that will be used by project participants on Tollway CRP projects. The System provides a number of benefits to the project participants, including:

- 1) Simplification of communications.
- 2) Automated tracking of time-sensitive items.
- 3) Automated reporting.
- 4) Common document management and storage as electronic documents will reside in a central repository.
- 5) Audit trail of information so project participants will be able to determine who did what and when.
- 6) Real-time access and exchange of information.
- 7) Easy, secure, 24/7 access to project information over the Internet via a computer and an Internet browser.

The successful consultant must establish broadband Internet connectivity in order to effectively utilize the System (T1 is recommended) and must comply with all work instructions and procedures relating to its use. The consultant must furnish all hardware and software required to effectively utilize the System, including personal computers, peripheral software, virus protection software, System plug-ins, ActiveX installation, firewall configuration and high-speed document scanners. The consultant will be solely responsible for coordination between its subconsultants & suppliers, and the System. All document transmittals and written communication from the consultant to the Illinois Tollway must be made electronically via the System. In certain cases where "wet signatures" and/or stamps are required by the Tollway, document transmittals must be made simultaneously via the System for record and by traditional means for paper documents, unless the consultant is directed otherwise in writing by the Tollway. Once stamped/signed documents have been obtained, they must be scanned and uploaded to the System for record.

All consultant, subconsultant and supplier employees who will use the web-based system must complete the training provided by the Tollway prior to having access to the system. A valid e-mail address must be provided prior to training session. The consultant agrees to comply with all terms and conditions associated with use of the web-based project management system.

- 1.0 Consultant shall utilize ISTHA web based project management system to track and manage projects. System shall be an official record of all project communication. Consultant shall post copies of all project related documents on the System.
- 2.0 Within 14 calendar days of Notice to Proceed , Consultant shall designate a website manager (coordinator) who is to be the point of contact with ISTHA website implementation and support staff.

- 3.0** Consultant is required but not limited to submit the following using the System:
- 3.1 Submittal schedule, submittals shall be processed using the System to provide a record of activity.
  - 3.2 Progress reports.
  - 3.3 Inspection reports.
  - 3.4 Requests for information, project clarifications, general communication and project related issues.
  - 3.5 Meeting agendas, no later than 3 days before meeting.
  - 3.6 Minutes of meetings, no later than 3 days after each progress meeting date, distribute copies of minutes via the System to each party present and to other parties who should have been present. Include a brief summary in narrative form of progress since the previous meeting and report.
- 4.0** Document submission requirements. Project documents transmitted via the System must comply with the following electronic formats:
- 4.1 Documents that are marked up or unavailable in electronic format (drawings, sketches, correspondence, etc. generated by hand drafting methods) shall be scanned to PDF (.pdf) , black and white with maximum resolution of 200dpi using CCITT Group 4 (2d Fax) compression.
  - 4.2 Documents that have been generated using Adobe Acrobat PDF printer drivers (not scanned) shall be submitted to the System.
  - 4.3 Electronic photographs shall be submitted in JPEG (.JPG) file format, sized at a minimum resolution of 1024x768 pixels.
  - 4.4 Grayscale or color photo images that are scanned shall be saved in JPEG (.JPG) file format with medium to low quality compression at a maximum resolution of 200 dpi.
  - 4.5 Product data that is available for download from the Manufacturer's website, that has been generated using Adobe Acrobat .PDF printer drivers (not scanned) may also be submitted via the System.

<b>System Requirements</b>	
Operating System	Windows XP
Internet Browser	Internet Explorer version 6.0 or greater
Processor Speed	2.0 GHz or greater
System Memory (RAM)	512 Megabytes or greater
Hard Drive Space	1500 Megabytes (1.5Gb)
Display Resolution	1024x768 or greater
Connection Type	Broadband Internet Connection (T1) – If a T1 is not an available option, each System participant must have a dedicated (not shared) DSL or equivalent Internet connection.
Other hardware	CD-ROM or DVD drive
<b>Recommended Professional Document Scanners<sup>6</sup></b>	
Medium Format Scanner <sup>1</sup>	Canon DR-5020 Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Canon DR-5080C Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D IPC Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Fujitsu M 4097D VRS Document Scanner or equivalent
Medium Format Scanner <sup>1</sup>	Epson GT-30000 Document Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS610 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Océ TDS810 36" Monochrome Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select P36 Color Scanner or equivalent
Large Format Scanner <sup>1</sup>	Vidar Select MP36 MonochromeScanner or equivalent
<b>Required Additional Software</b>	
Portable Document Format(.PDF) file reader	Adobe Acrobat Reader <sup>2</sup>
Portable Document Format(.PDF) file generator	Adobe Acrobat <sup>3</sup>
ZIP File compression utility	WinZip <sup>4</sup> or equal

<sup>1</sup> Large and medium format scanning may also be outsourced to a digital reproduction house in your locale.

<sup>2</sup> Adobe Acrobat Reader is free software available for download at <http://www.adobe.com/>

<sup>3</sup> Adobe Acrobat is not a free software and must be purchased. At least one copy of the software must be purchased by the Consultant and must reside on a PC accessible to all users within the Consultant's office. The purchase and installation of multiple copies is recommended.




<sup>4</sup> A fully functional evaluation version of WinZip is available for download at <http://www.winzip.com/>, alternative free file compression utility is 7-zip available at <http://www.7-zip.org/>

**Note:** The scanner models specified meet the requirements of website usage and are provided for information purposes only. Scanner models may change or be discontinued by the manufacturer.



Exhibit F -  
Attachment "A"

Contract / Section No.	Description	Schedule														
		Start Date	Finish Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
W01	US 20 to Roselle	3/15/2014	10/31/2014													
W02	Rosselle to Meachem	3/15/2014	12/1/2014													
W03	Noise Walls - US 20 to Roselle	7/17/2013	10/31/2013													
W04	Noise Walls - Roselle to Meachem	7/17/2013	10/31/2013													
C01	Rohlwing Road Overpass	11/22/2013	9/26/2015													
C02	Elgin O'Hare - Meachem to IL 53	3/24/2014	11/1/2015													
C03	NB I-290 WB to Elgin O'Hare	3/15/2014	9/20/2015													
C04/C05	Ramps: EB I-290 to WB Elgin O'Hare, E. IL 53 & EB EO to I-290	3/24/2014	11/1/2015													
C06	WB Elgin O'Hare to I-290	3/27/2015	11/1/2016													
C07	EB Elgin O'Hare - IL 53/Rohlwing Rd to Park	3/25/2016	11/1/2017													
C08	Elgin O'Hare - Park to Arlington Hts Rd	3/25/2016	11/1/2017													
C09	Devon Ave Bridge	3/19/2015	11/1/2015													
C10	Park Blvd - Pierce Rd - Ketter Dr	3/29/2014	8/31/2014													
C11	Elgin O'Hare - Arlington Hts to Salt Creek	3/15/2016	11/1/2017													
C14	Maintenance Facility	3/26/2015	11/13/2015													
E01	Elgin O'Hare - Salt Creek to Lively Blvd	3/15/2016	10/1/2017													
E02	Elgin O'Hare - Lively Blvd to IL 83	3/15/2016	12/1/2017													
E03	Elgin O'Hare - IL 83 to East of Supreme Dr	3/15/2018	11/29/2020													
N04	Western Access from York Road	4/1/2017	9/28/2018													
	Wetland Mitigation Site - Lake County															
TL01	Tolling - US 20 to I-290	10/21/2014	8/16/2015													
TL03	Tolling - I-290 to Salt Creek	4/5/2017	10/21/2017													
TL04	Tolling - Salt Creek to IL 83	7/5/2017	7/1/2018													
S01	I-294 @ IL 64 & County Line Rd	3/15/2020	11/1/2021													
S02	Taft Avenue Extension	3/15/2018	11/1/2019													
IN02	Elmhurst Rd/Touhy Ave Interchange	3/15/2017	7/31/2018													
IN01	Elhurst Rd/Oakton St Interchange	3/15/2015	11/1/2015													
N07	Touhy Ave UPRR Grade Separation	4/1/2021	11/1/2022													
S11	Franklin Park Drainage Improvements	3/15/2018	11/1/2019													
TL06	Tolling - I-294 at IL 64	11/1/2020	11/1/2021													
TL07 partial	Tolling - Franklin/Green to I-294 (Use 10% - S02 project)	10/31/2019	11/1/2020													

-  CM Services
-  CCM Services
-  Contingency CCM Services

## EXHIBIT G

### CURRENT OBLIGATIONS FOR PROJECTS

I-12-4082

AAA Engineering, Inc.

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
Cook County ADA Revisions	Mechanical/Electrical/Plumbing Engineering Services	\$265,000.00	\$260,000.00	12/31/19
Lakefront Trail Improvements Over Chicago River	Electrical Engineering Services	\$224,000.00	\$190,000.00	6/30/17
Signal Design Service-University Park	Engineering Services	\$49,000.00	\$31,000.00	12/31/2016
SWPP Dehumidification Plant	Electrical Engineering Services	\$52,000.00	\$35,000.00	4/30/2017
Chicago Union Station	Mechanical/Electrical/Plumbing Engineering Services	\$369,000.00	\$359,000.00	6/30/2018
CDOT Adams Street Bridge & Vaduct CM	Construction Administration	\$105,000.00	\$73,000.00	1/31/2017
DOA Power Study	Electrical Engineering Services	\$98,000.00	\$68,000.00	12/31/2016
CTA Ravenswood Loop Conector Signal	Electrical/Communication Engineering Services	\$295,000.00	\$186,000.00	1/15/2018
CTA 95th Street Terminal	Electrical/Traction Power/Construction Administration	\$2,100,000.00	\$1,600,000.00	12/31/2018
O'Hare Conrac	Construction Engineering	\$1,038,000.00	\$893,000.00	6/30/2017

**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	<table border="0" style="width: 100%;"> <tr><td>Direct Labor</td><td style="border-bottom: 1px solid black;"></td><td></td></tr> <tr><td>Direct Costs</td><td style="border-bottom: 1px solid black;"></td><td></td></tr> <tr><td>Services by Others</td><td style="border-bottom: 1px solid black;"></td><td></td></tr> <tr><td>Additional Services **</td><td style="border-bottom: 1px solid black;"></td><td></td></tr> <tr><td>Total this Subconsultant (ULC)</td><td style="border-bottom: 1px solid black; text-align: right;">\$</td><td style="border-bottom: 1px solid black; text-align: right;">-</td></tr> </table>	Direct Labor			Direct Costs			Services by Others			Additional Services **			Total this Subconsultant (ULC)	\$	-	6	<table border="0" style="width: 100%;"> <tr><td>Direct Labor</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black; text-align: right;">\$</td><td style="border-bottom: 1px solid black; text-align: right;">-</td></tr> <tr><td>Direct Costs</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black; text-align: right;">\$</td><td style="border-bottom: 1px solid black; text-align: right;">-</td></tr> <tr><td>Services by Others</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black; text-align: right;">\$</td><td style="border-bottom: 1px solid black; text-align: right;">-</td></tr> <tr><td>Additional Services **</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black; text-align: right;">\$</td><td style="border-bottom: 1px solid black; text-align: right;">-</td></tr> <tr><td>Total this Subconsultant (ULC)</td><td style="border-bottom: 1px solid black;"></td><td style="border-bottom: 1px solid black; text-align: right;">\$</td><td style="border-bottom: 1px solid black; text-align: right;">-</td></tr> </table>	Direct Labor		\$	-	Direct Costs		\$	-	Services by Others		\$	-	Additional Services **		\$	-	Total this Subconsultant (ULC)		\$	-					
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\*\* 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: \$ "1" -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): 0.00%

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)**

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TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -



Project Number: I-12-4082

Consultant: Interra, Inc.

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2017												TOTAL HOURS				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
CM																	
Project Principal				1		1		1					1				5
Senior Technical Specialist				40	40	40	40	40	45	45							290
<b>TOTALS</b>				41	40	41	40	41	45	46						1	295

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project Number: I-12-4082

Consultant: Interra, 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		
CM														
Project Principal	1													1
Senior Technical Specialist														
TOTALS	1													1

Notes:

- 1.) Use as many pages as required to show the entire schedule for this project.
- 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Project No. I-12-4082

Consultant: Interra, Inc.

**EXHIBIT B - FEE CALCULATIONS**

**A. DIRECT SALARY (without overtime)**

Total Work Hours: 297.00  
(From Exhibit C-3)

Total Dollars: \$ 11,791.00  
(From Exhibit C-3)

Multiplier to be used on this project: \_\_\_\_\_  
Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2.5 PMO)

2.80

DIRECT REGULAR SALARY TIMES MULTIPLIER

\$ 33,014.80

**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**  
(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$ 4,485.20

**C. SERVICES BY OTHERS**

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ \_\_\_\_\_  
(Do not including estimated additional services)

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ \_\_\_\_\_  
(Do not including estimated additional services)

TOTAL SERVICES BY OTHERS \$ \_\_\_\_\_

**D. ADDITIONAL SERVICES (prime and subconsultants)**  
(Requires prior authorization before use)

**E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)**

\$ 37,500.00

Date: 10/3/2016

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? (Yes' or 'No')
Principal	Anshuman Balekal	70.00	70.00	No
	Sanjeev Bandi	70.00		No
	Sudhakar Rao Doppalapudi	70.00		No
Project Manager	Ashish Shah	57.69	58.35	No
	John Huang	59.00		No
Project Engineer	Santanoo Sen	45.00	42.45	No
	Supraja Reddy	36.00		No
	Tony Ferguson	46.35		No
Staff Engineer	Eric Slusser	26.00	26.52	No
	Reshma Chirakka	27.50		No
	Sharmila M Guntaka	22.28		No
	Srivani Guntaka	30.29		No
Admin/Clerical	Anna Dudziak	16.00	16.00	No
Senior Technical Specialist	Adam Zienciewicz	38.87	37.83	Yes
	Adam Wartsbaugh	38.87		Yes
	Atul Kumar	37.59		Yes
	Azmath Syed	35.04		Yes
	Digish Patel	34.34		Yes
	Eloy Madrigal	37.59		Yes
	Gabriella Lattanzi	38.87		Yes
	Kenneth Warner	38.50		Yes
	Micheal Wieckhorst	37.59		Yes
	Rajendra Patel	37.59		Yes
	Rajesh Patel	34.34		Yes
	Ricky Vosler	37.59		Yes
	Rupen Shah	41.00		Yes
	Seyed Beladi	37.59		Yes
	Tom Wujick	38.87		Yes
Tony Sorisho	38.87		Yes	
Vijaykumar Patel	38.87		Yes	

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
	Vince Sourile	38.87		Yes

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.

Project No.: I-12-4082

Consultant: Interra, Inc.

Date: 10/3/2016

**EXHIBIT C-2: PAYROLL CLASSIFICATION ESCALATION TABLE**

CONTRACT TERM: 14 NO. OF MONTHS

SCHEDULED START DATE: 12/1/2016

RAISE DATE: 1/1/2017

PERCENT OF RAISE: 3%

**ESCALATION PER YEAR**

Date	Date	Date	Date	Date	Date	Date
12/1/2016	12/31/2016	1/1/2017	12/31/2017	1/1/2018	1/31/2018	
1.0	12.0	14.0	14.0	1.0	14.0	60.0
7.14%	88.29%	7.58%				
Factor First Period	Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period	Escalation Factor Sixth Period	

The escalation factor for this project is: 103.01%



Project No.: 1-12-4082

Consultant: Interra, Inc.

Date: 10/3/2016

Total Escalation Factor from C-2: 103.01%

**EXHIBIT C-3: DIRECT LABOR CALCULATION**

Classification (From Exhibit C-1)	(1) Current Average Hourly Rate (From Ex. C-1) SEE NOTE 1 BELOW	(2) Escalated Average Hourly Rate SEE NOTE 2 BELOW	(3) Estimated Work Hours (Including Overtime)	Direct Labor Extension (Col. 2 x Col. 3)
Principal	\$70.00	\$70.00	7.00	\$ 490.00
Project Manager	\$58.35	\$60.10		
Project Engineer	\$42.45	\$43.73		
Staff Engineer	\$26.52	\$27.32		
Admin/Clerical	\$16.00	\$16.48		
Senior Technical Specialist	\$37.83	\$38.97	290.00	\$ 11,301.00

Total Estimated Work Hours: 297.00  
Must Match Exhibit A  
Total Direct Labor: \$ 11,791.00  
Average Hourly Rate: \$ 39.70

- (1) Average Hourly Rate per classification from C1. Hard enter this number. **DO NOT** insert a formula.  
\* Average Hourly Rates cannot exceed applicable salary caps.
- (2) Current Average Hourly Rate x Escalation Factor. No escalation factor is allowed for employees at or above the salary cap rate

**EXHIBIT D**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**A. VEHICLE REIMBURSEMENT**

Daily Rate	<u>\$65.00</u>	X	<u>36</u>		<u>\$ 2,340.00</u>
	Includes Tolls		No. of Days		

Mileage	<u>\$0.565</u>	X	<u>        </u>		<u>\$ -</u>
	Mileage Rate		No. of Miles		

(Use mileage rate found at:

<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.a>

<b>TOTAL VEHICLE REIMBURSEMENT</b>					<b><u>\$ 2,340.00</u></b>
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**B. ALLOWABLE DIRECT COSTS - Enter the total budget of items from the attached Allowable Direct Costs list here:**

[http://www.illinoistollway.com/documents/10157/36206/LG TO LLWAY XX ALLOWABLEDIRECTCOSTS 08012008.PDF](http://www.illinoistollway.com/documents/10157/36206/LG_TO_LLWAY_XX_ALLOWABLEDIRECTCOSTS_08012008.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**

Standard Proctor

Grain Szie Analysis w/Hydrometer

Atterberg Limits

Organic Content

PGE Gradation

Concrete Cylinders

Shotcrete Cores

HMA Air Voids

Ignition Extraction

Reflux Extraction

Washed Gradation

Core Density

Residual Asphalt

<b>TOTAL ITEMIZED DIRECT COSTS</b>					<b><u>\$ 2,145.20</u></b>
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**EXHIBIT D (Continued)**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**D. PREMIUM OVERTIME**

Classification	Estimate of Overtime Hours	Escalated Hourly Rate (Premium Portion Only) (SEE NOTE 1 BELOW)	Premium Overtime Dollars (Hours x Rate)

TOTAL PREMIUM OVERTIME \$                     -

**(1) Premium portion is equal to 1/2 of the escalated average hourly rate for the classification. This number is to be hard entered. DO NOT enter a formula**

## 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."**

## 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.

Project No. I-12-4082

Consultant: Interra, Inc.

**EXHIBIT E - KEY PROJECT PERSONNEL**

**Project Principal:** Sudhakar Rao Doppalapudi

**Classification:** Principal

**Project Manager:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Senior Technical Specialist:** Vijaykumar Patel

**Classification:** Senior Technical Specialist

**Resident Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Documentation Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Civil Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Structural Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Drainage Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Senior Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Others:** \_\_\_\_\_

**List all key personnel titles that are applicable to this project.**

**Attach resumes of all key personnel; Names on resumes must match exactly as they appear here.**

Interra Inc.

**EXHIBIT F**

I-12-4082

**SCOPE OF SERVICES**

Phase III engineering services are required for the construction inspection, and supervision at selected locations on the Tollway system. Scope of work would consist of providing inspection and testing services on an as needed basis for various items. The Consultant will perform on-site inspection, review layout of contract including design changes, provide materials and geotechnical inspection and testing, prepare records, maintain documentation and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with Tollway specifications. The Consultant must complete and submit final measurements, calculations and final contract documents to the Tollway no later than six (6) weeks after completion of Punch List for the project.



**EXHIBIT G**

**CURRENT OBLIGATIONS FOR PROJECT**

**Interra, Inc.**

**CONTRACT I-12-4082**

<b>Route &amp; Job No.</b>	<b>Work Scope &amp; Description of Project</b>	<b>Fee (Including all Supplementals and Extra Work Orders)</b>	<b>Fee Remaining To Be Earned</b>	<b>Estimated Date of Completion</b>
RR-12-4082	Material Testing	\$808,111	\$89,000	2016
I-13-4108	Material Testing	\$250,000	\$43,501	2016
I-13-4106	Material Testing	\$150,000	\$85,000	2016
I-13-4107	Material Testing	\$160,914	\$128,637	2016
I-13-4625	Material Testing	\$150,000	\$103,502	2016
I-13-4152	Material Testing	\$70,000	\$55,207	2016
I-12-4054	Material Testing	\$58,000	\$39,663	2016
RR-14-4195	Material Testing	\$3,750,000	\$2,100,000	2018
I-14-4188	Material Testing	\$506,488	\$250,000	2016
RR-15-4242	Material Testing	\$650,000	\$650,000	2018

**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	<table border="0" style="width: 100%;"> <tr> <td style="width: 80%;">Direct Labor</td> <td style="width: 10%; border-bottom: 1px solid black;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>Direct Costs</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Services by Others</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Additional Services **</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Total this Subconsultant (ULC)</td> <td style="border-bottom: 1px solid black; text-align: right;">\$</td> <td style="border-bottom: 1px solid black; text-align: right;">-</td> </tr> </table>	Direct Labor			Direct Costs			Services by Others			Additional Services **			Total this Subconsultant (ULC)	\$	-
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\*\* 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: \$ "1" -

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): 0.00%

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)**

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\*\* 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: \$ -



Project Number: I-12-4082

Consultant: CH2M Hill, Inc.

**EXHIBIT A: ESTIMATED TASK WORK HOURS**

TASK	MONTHS of YEAR 2017												TOTAL HOURS			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
CM																
Design Support	30	30	20	20	20	20	20	20	15	10	10	10	10	10	10	225
<b>TOTALS</b>	30	30	20	20	20	20	20	20	15	10	10	10	10	10	10	225

- Notes:
- 1.) Use as many pages as required to show the entire schedule for this project.
  - 2.) The grand total of all hours shown on all Exhibit A forms must match the Total Estimated Work Hours on Exhibit C-3

Date Revised 04/09/12



Project No. I-12-4082

Consultant: CH2M Hill, Inc.

**EXHIBIT B - FEE CALCULATIONS**

**A. DIRECT SALARY (without overtime)**

Total Work Hours: 240.00 Total Dollars: \$ 13,753.00  
(From Exhibit C-3) (From Exhibit C-3)

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 \$ 38,508.40

**B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE FOR PROFIT**  
(For Prime Consultant listed above.)

TOTAL DIRECT COSTS \$ 491.60

**C. SERVICES BY OTHERS**

Total Allowable Fee DBE/MBE/WBE Subconsultant (from Exhibit H) \$ -  
(Do not including estimated additional services)

Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from Exhibit H (cont)) \$ -  
(Do not including estimated additional services)

TOTAL SERVICES BY OTHERS \$ -

**D. ADDITIONAL SERVICES (prime and subconsultants)**  
(Requires prior authorization before use)

**E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)** \$ 39,000.00

**EXHIBIT C-1: COMPANY EMPLOYEE CLASSIFICATION LIST**

Classification	Name (SEE NOTE 1 BELOW)	Current Hourly Rate	Classification Average Rate (SEE NOTE 2 BELOW)	Eligible for Prem. OT? ('Yes' or 'No')
Sr. Manager	Aldrich, Jeffrey	70.00	70.00	No
	Chanowitz, Aaron	70.00		No
Sr. Engineer	Baah, Daniel	70.00	66.79	No
	Gavin, Matthew (Matt)	63.97		No
	Melnik, Dmitry	70.00		No
	Mockenhaupt, Keith	63.17		No
Engineer	Connor, Brian	63.14	57.92	No
	Glynn, Marie	63.86		No
	Lynch, Steven (Steve)	64.83		No
	Moller, Jason	56.10		No
	Shah, Manisha	48.55		No
	Weaver, Charles (Jake)	60.51		No
	Chakrabarti, Saurav	48.46		No
Jr. Engineer	Fox, Michael	49.55	41.64	No
	Kukadia, Sarah	44.79		No
	Mapp, Jamie	30.57		No
Office	Belvisi, Rebecca	25.70	28.80	No
	Glaum, Ed	31.90		No

\* Exhibit C-1 is a comprehensive list of classifications of company employees.

- (1) List all Employees located in your company's Illinois office(s) by classification. Out of state employees to be used on this project should be included.
- (2) Divide the sum of the "CURRENT HOURLY RATES" for all employees in a classification by the number of employees in that classification.
- (3) Use as many sheets as necessary to show classifications.



Project No.: I-12-4082

Date: 10/3/2016

Consultant: CH2M Hill, Inc.

**EXHIBIT C-2: PAYROLL CLASSIFICATION ESCALATION TABLE**

CONTRACT TERM: 14 NO. OF MONTHS

SCHEDULED START DATE: 12/1/2016

RAISE DATE: 4/1/2017

PERCENT OF RAISE: 3%

**ESCALATION PER YEAR**

Date	Date	Date	Date	Date	Date	Date
12/1/2016	3/31/2017	4/1/2017	1/31/2018			
4.0	14.0	10.0	14.0	14.0	14.0	60.0
28.57%	73.57%					
Factor First Period	Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period	Escalation Factor Sixth Period	

The escalation factor for this project is: 102.14%



**EXHIBIT D**

**REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES**

**A. VEHICLE REIMBURSEMENT**

Daily Rate	<u>\$ 65.00</u>	X	<u>3</u>		<u>\$ 195.00</u>
	Includes Tolls		No. of Days		

Mileage	<u>\$ 0.540</u>	X	<u>250</u>		<u>\$ 135.00</u>
	Mileage Rate		No. of Miles		

(Use mileage rate found at:

<http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.a>

<b>TOTAL VEHICLE REIMBURSEMENT</b>					<u>\$ 330.00</u>
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**B. ALLOWABLE DIRECT COSTS - Enter the total budget of items from the attached Allowable Direct Costs list here:**

[http://www.illinoistollway.com/documents/10157/36206/LG\\_TO\\_LLWAY\\_XX\\_ALLOWABLEDIRECTCOSTS\\_08012008.PDF](http://www.illinoistollway.com/documents/10157/36206/LG_TO_LLWAY_XX_ALLOWABLEDIRECTCOSTS_08012008.PDF)

\$ 161.60

**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**

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**TOTAL ITEMIZED DIRECT COSTS**

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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."

## 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.

Project No. I-12-4082

Consultant: CH2M Hill, Inc.

**EXHIBIT E - KEY PROJECT PERSONNEL**

**Project Principal:** Aaron Chanowitz

**Classification:** Senior Manager

**Project Manager:** Steven Lynch (Steve)

**Classification:** Engineer

**Project Engineer:** Steven Lynch (Steve)

**Classification:** Engineer

**Resident Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Documentation Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Civil Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Project Structural Engineer:** Keith Mockenhaupt

**Classification:** Senior Engineer

**Project Drainage Engineer:** Charles Weaver (Jake)

**Classification:** Engineer

**Senior Engineer:** \_\_\_\_\_

**Classification:** \_\_\_\_\_

**Others:** \_\_\_\_\_

List all key personnel titles that are applicable to this project.

Attach resumes of all key personnel; Names on resumes must match exactly as they appear here.



**Aaron Chanowitz, PE**

**Role: Project Principal / Senior Manager**

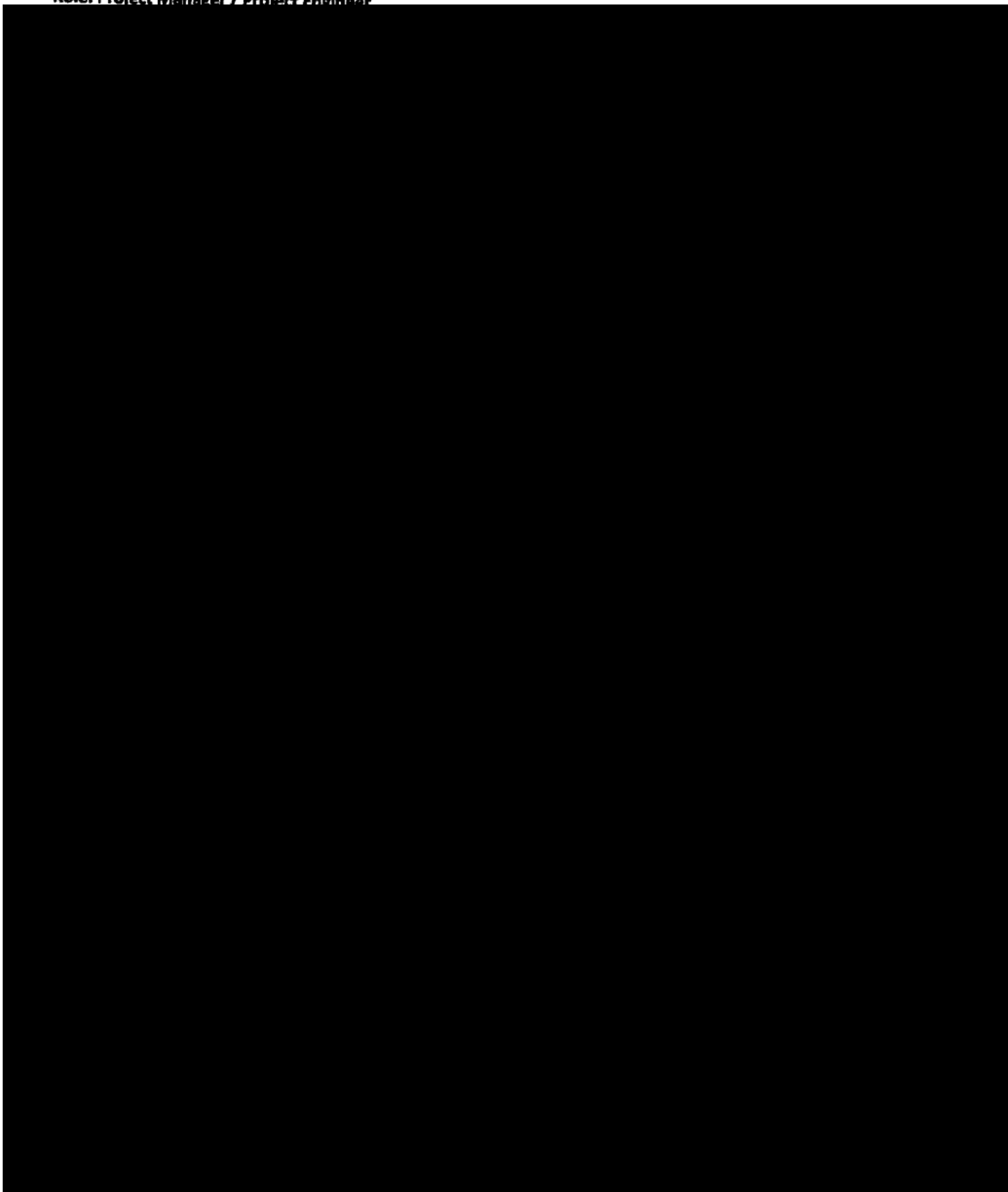


EXHIBIT "1"

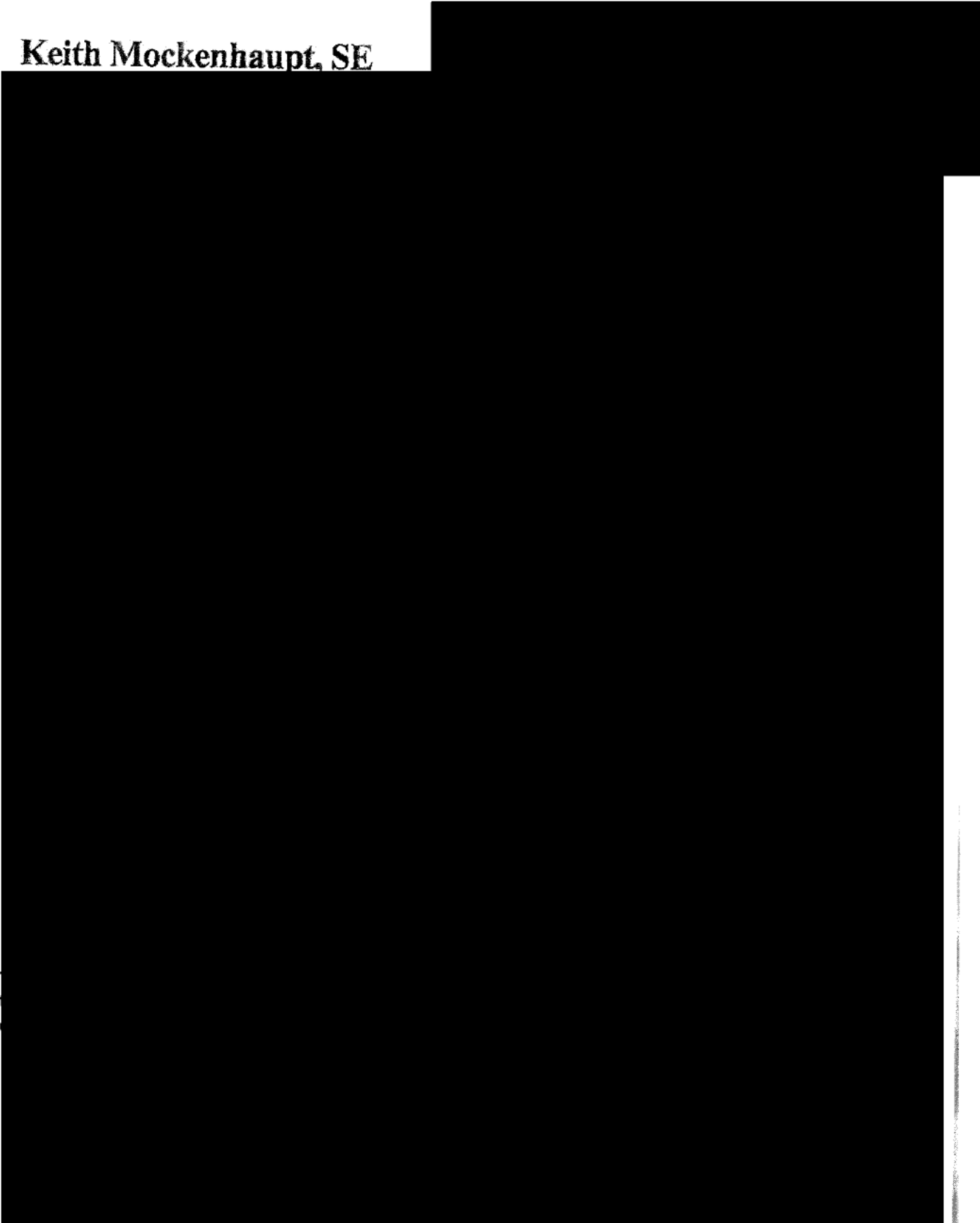
**Steve Lynch, PE**

**Role: Project Manager / Project Engineer**

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**Keith Mockenhaupt, SE**

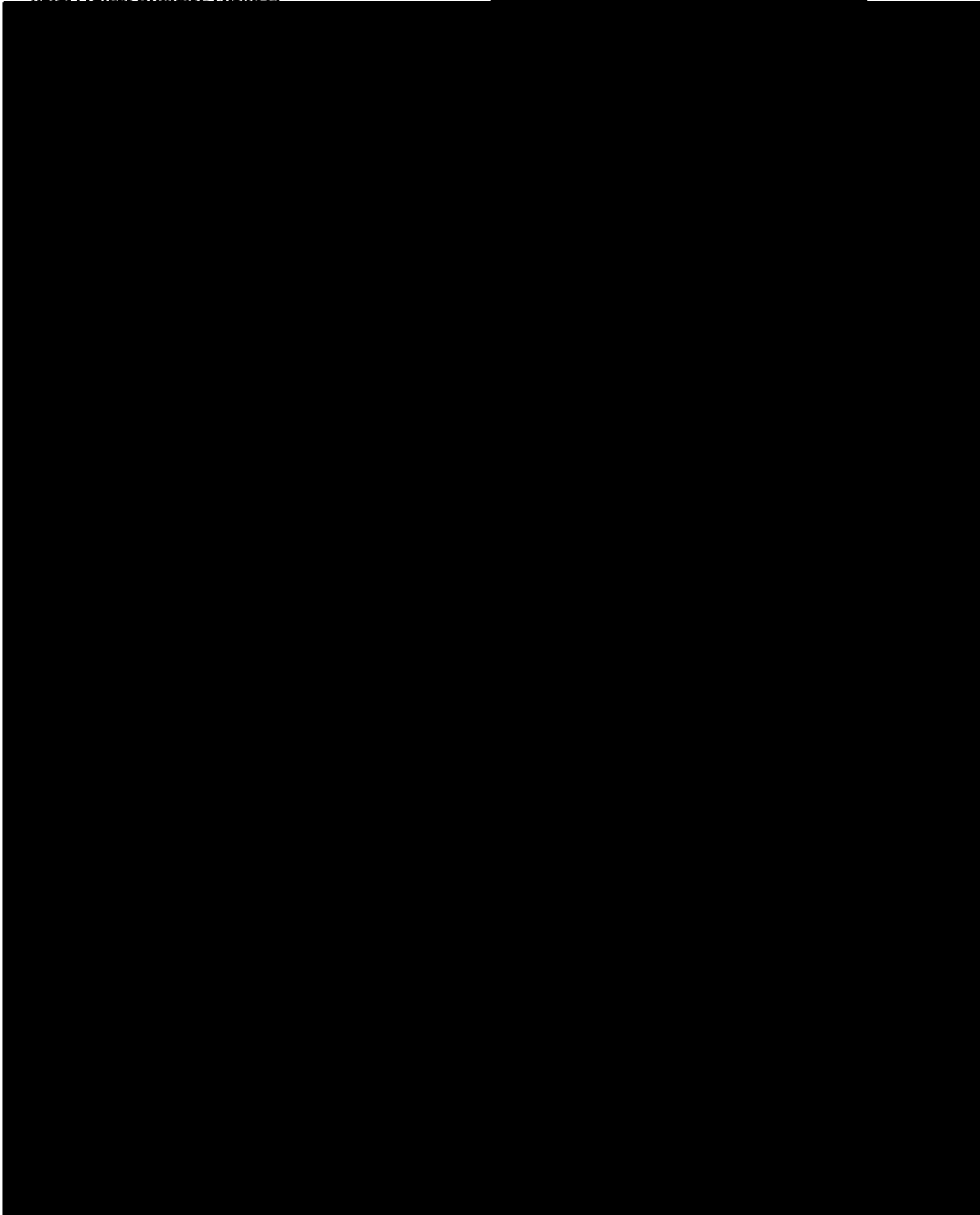


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**Charles (Jake) Weaver, PE**

**Role: Project Drainage Engineer**



**EXHIBIT F**

Construction Contract No. I-12-4082

~~Design Contract No. I-11-4014~~

*ok* SCOPE OF SERVICES

**Construction Support Phase (Exhibit F)**

The scope of work consists of providing Design Section Engineer (DSE) services during the construction phase of the Elgin O'Hare Expressway: US-20 to IL-83 project section including the Intelligent Transportation Systems (ITS) improvements. DSE construction phase services covered in this contract correspond with the following construction contract packages: I-14-4638.

Construction phase support services will be provided in accordance with the Illinois Tollway Design Section Engineer's manual. For budgeting purposes, it is assumed that work elements will involve providing DSE services, as listed below and requested by the Construction Manager (CM), on a time and material basis during the project construction phase:

- Review of shop drawings
- Response to inquiries (RFI) concerning the design and plan interpretation during construction
- Review of proposed construction contract changes including field changes, value engineering proposals and performance base design
- Attendance at coordination meetings
- Project close-out support

I-12-4082

**EXHIBIT G**

## CURRENT OBLIGATIONS FOR PROJECT

## CH2M HILL

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplements and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
O'Hare Master Civil	OMP Master Civil	\$26,595,605	\$400,000	12/31/2015
35 <sup>th</sup> Street Bridge	City of Chicago Construction Management	\$2,300,000	\$379,000	12/31/2016
CTA Construction Mgmt.	CTA Construction Mgmt.	\$1,746,048	\$900,000	2021
DuPage Airport	DuPage Airport On-Call	\$510,845	\$0	2021
DuPage Airport	DuPage Airport On-Call	\$3,226,564	\$418,000	2021
DuPage Airport	DuPage Airport On-Call	\$259,533	\$16,000	2021
DuPage Airport	DuPage Airport On-Call	\$97,170	\$13,000	2021
PTB 175-2	District 1 Var/Var	\$1,800,000	\$1,150,000	TBD
PTB 156-3	District 1 Var/Var PM	\$3,200,000	\$10,000	3/1/2016
PTB 160-19	District 8 Var/Var	\$1,000,000	\$375,000	12/31/2017
RFP 13-HA-2	IDOT Strategic & Financial Planning Assistance for Alternative Contracting	\$5,915,635	\$2,209,640	5/20/2017
PTB 154-58	IL 13 Final Design	\$2,597,345	\$2,000	12/31/2016
PTB 159-6	US 30 Phase I Study	\$439,357	\$150,000	12/31/2017
PTB 156-42	US 50 Phase I Study	\$827,321	\$400,000	12/31/2016
PTB 170-21	Various IL Safety Program Analysis & Technical Support	\$12,000,000	\$6,400,000	7/2/2020
PSB 14-01	Elgin O'Hare Western Access Tollway, Construction Support Phase	\$70,000	\$0	8/31/2017
PSB 11-3	Elgin O'Hare Western Access	\$103,839,394	\$18,757,650	12/31/2018

**EXHIBIT G- Cont.**

CURRENT OBLIGATIONS FOR PROJECT

CH2M HILL

	Tollway, Design Corridor Manager			
PSB 12-5	Elgin O'Hare Western Access, Tollway CCM	\$267,663	\$20,000	4/30/2017
PSB 15-2	Elgin O'Hare Western Access between Tri-State and Franklin St and Tri-State between North Ave and Wolf Rd	\$5,390,000	\$5,390,000	5/31/2019
Kane County Impact Fee	Kane County Impact Fee	\$172,155	\$111,185	3/31/2017
Kane County LRTP	Kane County LRTP	\$299,781	\$142,000	3/31/2017



**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 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		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	\$ -	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	\$ -	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	\$ -	Direct Labor		\$ -
	Direct Costs	\$ -	Direct Costs		\$ -
	Services by Others	\$ -	Services by Others		\$ -
	Additional Services **	\$ -	Additional Services **		\$ -
	Total this Subconsultant (ULC)	\$ -	Total this Subconsultant (ULC)		\$ -
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)		\$ -
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)		\$ -
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)		\$ -
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)		\$ -
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 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): 0.00%

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	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Direct Labor</td> <td style="width: 20%; border-bottom: 1px solid black;"></td> <td style="width: 50%;"></td> </tr> <tr> <td>Direct Costs</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Services by Others</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Additional Services **</td> <td style="border-bottom: 1px solid black;"></td> <td></td> </tr> <tr> <td>Total this Subconsultant (ULC)</td> <td style="border-bottom: 1px solid black;"></td> <td style="text-align: right;">\$ -</td> </tr> </table>	Direct Labor			Direct Costs			Services by Others			Additional Services **			Total this Subconsultant (ULC)		\$ -
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Total this Subconsultant (ULC)		\$ -														

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TOTAL Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants: \$ -

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: \$ -