RESOLUTION NO. 21664

Background

The Illinois State Toll Highway Authority (the "Tollway"), pursuant to Resolution No. 21398 approved October 26, 2017, entered into an Agreement with Bowman, Barrett & Associates Inc./Christopher B. Burke Engineering, Ltd. on Contract I-17-4303 for Design Services, for Roadway Reconstruction, Widening and Bridge Rehabilitation on the Tri-State Tollway (I-294) from Mile Post 37.8 (O'Hare Oasis) to Mile Post 40.0 (Balmoral Avenue).

Per Tollway request, Bowman, Barrett & Associates Inc./Christopher B. Burke Engineering, Ltd. has submitted a proposal to provide Supplemental Design Services for Contract I-17-4303, increasing the contract upper limit by \$970,000.00, from \$6,700,000.00 to \$7,670,000.00. It is necessary and in the best interest of the Tollway to accept the proposal from Bowman, Barrett & Associates Inc./Christopher B. Burke Engineering, Ltd.

Resolution

The Chief Engineering Officer is authorized to negotiate a Supplemental Agreement with Bowman, Barrett & Associates Inc./Christopher B. Burke Engineering, Ltd. consistent with the aforementioned proposal to increase the contract upper limit by \$970,000.00, subject to the approval of the Acting General Counsel. The Chairman or the Executive Director is authorized to execute the Agreement and the Chief Financial Officer is authorized to issue warrants in payment thereof.

Approved by:

Chairman

Unified Certification Program - Search

Contractor Details

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

Print

I-17-4303

American Surveying

& Engineering, P.C. Coventine Fidis 150 N. Wacker Dr., Ste.

2650

Chicago, IL 60606

County:

Cook

Email: c.fidis@americansurvey.com

Phone: (312) 277-2000 Fax: (312) 277-2002

Categories: Architecture\Engineering, Construction, Professional

I-17-4309

A.I	٨	ICS
IA	м	ıco

Speciality

238910-Site Preparation

238910- MISC:

Contractors

CONSTRUCTION LAYOUT

531210-Offices of Real

AND STAKING

531320-Offices of Real

Estate Agents and Brokers 531210- MISC: REAL ESTATE

NEGOTIATOR

Estate Appraisers

531320- REAL ESTATE

541320-Landscape

APPRAISAL

Architectural Services

541320- URBAN PLANNING

541330-Engineering

541330- WATERWAYS:

Services

TYPICAL

541370-Surveying &

CONSTRUCTION

Mapping (except

INSPECTION

Geophysical) Serv.

SUBSURFACE UTILITY

541620-Environmental

ENGINEERING

Consultant Services

WATERWAYS: COMPLEX

541690-Other Scientific &

FREEWAYS

Technical Consulting

ROADS AND STREETS

LOCATION DRAINAGE

541370- SURVEYING **541620- SANITARY**

ENGINEERING

ENVIRONMENTAL

ASSESSMENT

ENVIRONMENTAL IMPACT

STATEMENTS

541690- TECHNICAL

TRAINING

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Version: 1.1.27.5458

Unified Certification Program - Search

Contractor Details

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

I-17-4303

Print

Environmental

Email: lsawyer@envdesigni.com

Design International Phone: 312-345-1400

inc.

Fax: 312-345-0529

Leslie J Sawyer

33 W. Monroe St., Ste.

1825

Chicago, IL 60603-0000

County:

Cook

Categories: Construction, Professional

NAICS

541330-Engineering

services

541370-Surveying and mapping services (except

geophysical)

541620-Environmental

consulting services

Speciality

541330-Engineering

Services 541370-Surveying

and Mapping Services

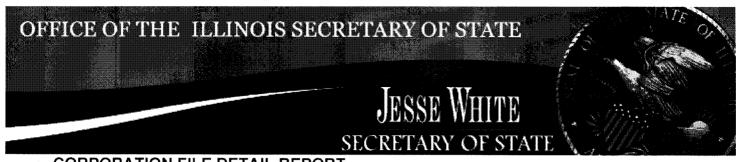
541620-Environmental

Consulting Services

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Version: 1.1.27.5458

I-17-4303



CORPORATION FILE DETAIL REPORT

File Number	55761213		
Entity Name	BOWMAN BARRETT & ASSOC	CIATES, INC.	
Status	ACTIVE		
Entity Type	CORPORATION	Type of Corp	DOMESTIC BCA
Incorporation Date (Domestic)	12/08/1989	State	ILLINOIS
Agent Name	TERRY L ENGEL	Agent Change Date	01/28/1999
Agent Street Address	225 W WASHINGTON ST SUITE 1700	President Name & Address	JAMES DAUM 130 E RANDOLPH ST CHICAGO 60601
Agent City	CHICAGO	Secretary Name & Address	LOUIS BOWMAN 130 E RANDOLPH ST CHICAGO 60601
Agent Zip	60606	Duration Date	PERPETUAL
Annual Report Filing Date	00/00/0000	For Year	2018

Return to the Search Screen

Purchase Certificate of Good Standing

(One Certificate per Transaction)

OTHER SERVICES

File Annual Report

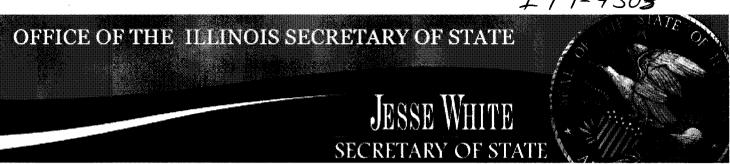
Adopting Assumed Name

Articles of Amendment Effecting A Name Change

Change of Registered Agent and/or Registered Office Address

BACK TO CYBERDRIVEILLINOIS.COM HOME PAGE

I-17-4303



CORPORATION FILE DETAIL REPORT

Annual Report Filing Date	09/05/2018	For Year	2018
Agent Zip	60018	Duration Date	PERPETUAL
Agent City	ROSEMONT	Secretary Name & Address	SUSAN S BURKE SAME
Agent Street Address	9575 W HIGGINS RD 600	President Name & Address	CHRISTOPHER B BURKE 8S201 COLLEGE RD NAPERVILLE 60540
Agent Name	CHRISTOPHER B BURKE	Agent Change Date	12/10/1993
Incorporation Date (Domestic)	10/06/1986	State	ILLINOIS .
Entity Type	CORPORATION	Type of Corp	DOMESTIC BCA
Status	ACTIVE		
Entity Name	CHRISTOPHER B. BURKE EN	GINEERING, LTD.	
File Number	54407831	A ROYANG	

Return to the Search Screen

Purchase Certificate of Good Standing

(One Certificate per Transaction)

OTHER SERVICES

File Annual Report

Adopting Assumed Name

Articles of Amendment Effecting A Name Change

Change of Registered Agent and/or Registered Office Address

BACK TO CYBERDRIVEILLINOIS.COM HOME PAGE

From:

Gomez, Graciela

Sent:

Monday, October 15, 2018 5:03 PM

To:

Gomez, Graciela

Subject:

I-17-4303 - Bowman Barrett & Associates, Inc. FEIN

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

17:00 10/15/18

ACTION: S

VENDOR NUMBER= *

VENDOR NAME:

OFFSET: 00 OF 00

CLAIMING AGENCY NUMBER:

CLAIMING AGENCY NAME: *

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 10/15/18 AT 17:01 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *** PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/ 10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

ENTER=PROCESS, PF3=IOCM, PF12=REFRESH

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From:

Gomez, Graciela

Sent:

Monday, October 15, 2018 5:04 PM

To:

Gomez, Graciela

Subject:

I-17-4303 Christopher B. Burke, Engineering, Ltd. FEIN

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

17:02 10/15/18

ACTION: S

VENDOR NUMBER= ***

OFFSET: 00 OF 00

VENDOR NAME:

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME:

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 10/15/18 AT 17:03 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER **** PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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From:

Gomez, Graciela

Sent:

Tuesday, October 16, 2018 12:24 PM

To:

Gomez, Graciela

Subject:

I-17-4303 American Surveying & Engineering, P.C. FEIN -

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

12:23 10/16/18

ACTION: S

VENDOR NUMBER= ***

OFFSET: 00 OF 00

VENDOR NAME:

CLAIMING AGENCY NUMBER:

CLAIMING AGENCY NAME:

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 10/16/18 AT 12:23 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER ***

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PF12=REFRESH

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From:

Gomez, Graciela

Sent:

Tuesday, October 16, 2018 12:25 PM

To:

Gomez, Graciela

Subject:

I-17-4303 Burns & McDonnell Engineering Co., Inc. - FEIN



OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

12:24 10/16/18

ACTION: S

VENDOR NUMBER=

VENDOR NAME: *

OFFSET: 00 OF 00

CLAIMING AGENCY NUMBER:

CLAIMING AGENCY NAME:

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 10/16/18 AT 12:24 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *** LEASE 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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From:

Gomez, Graciela

Sent:

Tuesday, October 16, 2018 12:23 PM

To:

Gomez, Graciela

Subject:

I-17-4303 Environmental Design International, Inc. - FEIN

OCIS CICIOCP1

OFFSET CONTRACT INQUIRY

12:15 10/16/18

ACTION: S

VENDOR NUMBER= **

OFFSET: 00 OF 00

VENDOR NAME: *

CLAIMING AGENCY NUMBER: *

CLAIMING AGENCY NAME: 3

CLAIMING AGENCY PHONE NUMBER: *

DISCLAIMER:

AS OF 10/16/18 AT 12:22 OUR INVOLUNTARY WITHHOLDING SYSTEM DOES NOT HAVE AN ACTIVE CLAIM AGAINST VENDOR NUMBER *** PLEASE BE ADVISED THAT OUR SYSTEM ONLY CONTAINS CLAIMS FILED BY STATE AGENCIES PURSUANT TO 15 ILCS 405/10.05. A VENDOR MAY BE DELIQUENT IN A DEBT TO THE STATE OF ILLINOIS, BUT THE DEBT MAY NOT BE RECORDED ON OUR INVOLUNTARY WITHHOLDING SYSTEM.

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DESIGN SECTION ENGINEER FIRST SUPPLEMENTAL AGREEMENT INCLUDING TEAMING

The Board of Directors, on the 25th day of October, 2018, 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 the Team of BOWMAN, BARRETT & ASSOCIATES, INC. / CHRISTOPHER B. BURKE ENGINEERING LTD. authorized and existing within the laws of the State of Illinois, hereinafter sometimes referred to as "DESIGN SECTION ENGINEER".

WITNESSETH:

WHEREAS, the TOLLWAY selected the DESIGN SECTION ENGINEER from PSB 17-3, Item 8, and DESIGN SECTION ENGINEER entered into an agreement on October 26, 2017, to provide design section engineering services (hereinafter "Services") for Contract No. I-17-4303 for Tri-State Tollway, Roadway Reconstruction and Bridge Rehabilitation, O'Hare Oasis (Mile Post 37.8) to Balmoral Avenue (Mile Post 40.0); and

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

WHEREAS, DESIGN SECTION ENGINEER has submitted a proposal dated **October 1, 2018**, 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 DESIGN SECTION ENGINEER dated October 26, 2017 ("Original Agreement") and commonly referred to as Contract No. I-17-4303, 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 made a part of this Supplemental Agreement.

ARTICLE II

Time of Performance

Rev. 3/27/2018 Page 1 of 5 Contract I-17-4303

The DESIGN SECTION ENGINEER 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 DESIGN SECTION ENGINEER and all prior Supplemental Agreements, if any, to provide Services for Contract No. I-17-4303 for Tri-State Tollway, Roadway Reconstruction and Bridge Rehabilitation, O'Hare Oasis (Mile Post 37.8) to Balmoral Avenue (Mile Post 40.0) 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 DESIGN SECTION ENGINEER shall maintain in the State of Illinois, for a minimum of five years from the latter of the date of completion of the CONTRACT or the date of final payment under the CONTRACT, adequate books, records, and supporting documents from an accounting system maintained in accordance with generally accepted accounting principles to verify the amounts, recipients, uses and methods of all disbursements of funds passing in conjunction with the CONTRACT. The five year record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The DESIGN SECTION ENGINEER shall at its own expense make such records available in a timely manner for inspection and audit (including copies and extracts of records) as required by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation, and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents at all reasonable times and without prior notice. For purposes of this section, "timeliness" will be considered production within the time period specified by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, but no later than thirty days after a request for records being made unless otherwise agreed to by the parties. The DESIGN SECTION ENGINEER agrees to cooperate fully with any audit conducted by the Auditor General and other State Auditors, the Chief Procurement Officer for General Services, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, and to provide full access to all relevant materials. The auditors reserve the right to enter the DESIGN SECTION ENGINEER's place of business in order to audit the records. If they are not produced in a timely manner by the DESIGN SECTION ENGINEER, then the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY or other State agency for the travel expenses of its auditors in the event that this right is invoked.

The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the DESIGN SECTION ENGINEER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements relate to fulfillment of the DESIGN SECTION ENGINEER's obligations to the TOLLWAY. Such subcontractor shall be required to comply with the terms and conditions of this Section and the TOLLWAY shall be entitled to enforce a breach of that contract.

Any audit adjustment will be submitted on a final invoice for any underpayment or overpayment to the DESIGN SECTION ENGINEER or its subcontractors. The DESIGN SECTION ENGINEER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the DESIGN SECTION ENGINEER, whether those funds are due under this contract or other contracts to which the DESIGN SECTION ENGINEER is a party either directly with the TOLLWAY or as a subcontractor. In the event the DESIGN SECTION ENGINEER fails or refuses to reimburse the TOLLWAY for an overpayment, the DESIGN SECTION ENGINEER shall be responsible for all costs, including attorney fees, incurred by the TOLLWAY to collect such overpayment.

Failure to maintain or make available the books, records, and supporting documents required by this Section shall establish a presumption in favor of the TOLLWAY for recovery of any funds paid by the TOLLWAY under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

The DESIGN SECTION ENGINEER shall reimburse the TOLLWAY for the total costs of an audit that identifies significant findings that would benefit the TOLLWAY, including but not limited to reasonable attorney's fees and other expenses. Significant findings for the purposes of this provision shall be identified as an amount in excess of \$50,000 in aggregate of the audit report or findings of material performance or compliance deficiencies.

If the DESIGN SECTION ENGINEER fails to comply with these requirements, the DESIGN SECTION ENGINEER may be disqualified or suspended from bidding on or working on future contracts.

ARTICLE V

Compensation

The upper limit of compensation for said supplemental Services for Contract No. I-17-4303 for Tri-State Tollway, Roadway Reconstruction and Bridge Rehabilitation, O'Hare Oasis (Mile Post 37.8) to Balmoral Avenue (Mile Post 40.0) performed by the DESIGN SECTION ENGINEER under the Original Agreement and including the services set forth herein, is hereby increased from \$6,700,000.00 by \$970,000.00 to \$7,670,000.00.

ARTICLE VI

Report of a Change in Circumstances

The DESIGN SECTION ENGINEER agrees to report to the TOLLWAY as soon as practically possible, but no later than 21 days following any change in facts or circumstances that might impact the DESIGN SECTION ENGINEER's ability to satisfy its legal or contractual responsibilities and obligations under this contract. Required reports include, but are not limited to changes in the DESIGN SECTION ENGINEER's Certification/Disclosure Forms, the DESIGN SECTION ENGINEER's IDOT prequalification, or any certification or licensing required for this project. Additionally, the DESIGN SECTION ENGINEER agrees to report to the Tollway within the above timeframe any arrests, indictments, convictions or other matters involving the DESIGN SECTION ENGINEER, or any of its principals, that might occur while this contract is in effect. This reporting requirement does not apply to common offenses, including but not limited to minor traffic/vehicle offenses.

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

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

ARTICLE VII

EXPATRIATED ENTITIES

Except in limited circumstances, no business or member of a unitary business group, as defined in the Illinois Income Tax Act, shall submit a bid for or enter into a contract with a State agency if that business or any member of the unitary business group is an expatriated entity.

IN WITNESS WHEREOF, the parties hereto have executed this **FIRST** SUPPLEMENTAL AGREEMENT for **I-17-4303** the day and year first above written.

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY	BOWMAN, BARRETT & ASSOCIATES INC. / CHRISTOPHER B. BURKE ENGINEERING LTD.
By_ 1/15/19	10/25/18
Chair/Executive Director-Signature Date Robert Schillerstrom/Elizabeth Gorman	President-Signature Date Bowman, Barrett & Associates, Inc.
Robert Schmerstrom/Enzabeth Soman	JAMES M. DAVM
APPROVED:	Printed Name as Signed Above
Chief Financial Officer – Signature Date Michael Colsch	President-Signature Date 10/25/18 Christopher B. Burke Engineering LTD.
APPROVED:	Christopher B Burke Printed Name as Signed Above
12/21/17	Printed Name as Signed Above
Actıng General Counsel – Signature Date Elizabeth Oplawski	

Approved as to Form and Constitutionality

| Jack
Attorney General, State of Illinois – Robert Lane - Signature Date

PROPOSAL TO THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY FOR SUPPLEMENTAL DESIGN SECTION ENGINEER SERVICES

FOR CONTRACT NUMBER 1-17-4303

This proposal, dated October 1, 2018, is submitted by Bowman, Barrett & Associates Inc. / Christopher B. Burke Engineering Ltd. of Chicago, Illilnois for Design Section Engineer's Service.

DESCRIPTION/LOCATION OF DESIGN SECTION

The location of the construction Contract <u>I-17-4303</u> for which we propose to provide Design Section Engineering Services is Tri-State Tollway, Roadway Reconstruction and BridgeRehabilitation, O'Hare Oasis (M.P. 37.8) to BalmoralAvenue (M.P. 40.0)., in <u>Cook, DuPage</u> 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 DESIGN ENGINEERING 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 DESIGN SECTION ENGINEER's Services except where herein modified.

FEE PROPOSAL

The DESIGN SECTION ENGINEER 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 Labor Costs (less overtime premium) multiplied by a factor of 2.80 to compensate for Payroll Burden and Fringe Costs, Overhead and

Rev. 3/1/2017	Page 1 of 5	EXHIBIT "1"

PAGE ____OF ___ EXHIBIT "1" Miscellaneous Indirect Costs, and Profit. This factor shall be used for periodic invoicing during the project.

AGREEMENT LIMITS

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

The Upper Limit Compensation shall be increased

from $\frac{6,700,000.00}{6,700,000.00}$ by $\frac{970,000.00}{6,700,000.00}$ to $\frac{7,670,000.00}{6,700,000.00}$.

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

The DESIGN SECTION ENGINEER shall maintain in the State of Illinois, for a minimum of five years from the latter of the date of completion of the CONTRACT or the date of final payment under the CONTRACT, adequate books, records, and supporting documents from an accounting system maintained in accordance with generally accepted accounting principles to verify the amounts, recipients, uses and methods of all disbursements of funds passing in conjunction with the CONTRACT. The five year record maintenance period shall be extended for the duration of any audit in progress at the time of that period's expiration. The DESIGN SECTION ENGINEER shall at its own expense make such records available in a timely manner for inspection and audit (including copies and extracts of records) as required by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation, and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents at all reasonable times and without prior notice. For purposes of this section, "timeliness" will be considered production within the time period specified by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, but no later than thirty days after a request for records being made unless otherwise agreed to by the parties. The DESIGN SECTION ENGINEER agrees to cooperate fully with any audit conducted by the Auditor General and other State Auditors, Chief Procurement Officer, the Illinois Department of Transportation and the TOLLWAY's Inspector General, Internal Audit or other TOLLWAY agents, and to provide full access to all relevant materials. The auditors reserve the right to enter the DESIGN SECTION ENGINEER's place of business in order to audit the records. If they are not produced in a timely manner by the DESIGN SECTION ENGINEER, then the DESIGN SECTION ENGINEER shall reimburse the TOLLWAY or other State agency for the travel expenses of its auditors in the event that this right is invoked.

The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the DESIGN SECTION ENGINEER and any subcontractors or suppliers of goods and services to the extent that those subcontracts or agreements

Rev. 3/1/2017 Page 2 of 5 EXHIBIT "1"

PAGE ____OF ___EXHIBIT "1"

relate to fulfillment of the DESIGN SECTION ENGINEER's obligations to the TOLLWAY. Such subcontractor shall be required to comply with the terms and conditions of this Section and the TOLLWAY shall be entitled to enforce a breach of that contract.

Any audit adjustment will be submitted on a final invoice for any underpayment or overpayment to the DESIGN SECTION ENGINEER or its subcontractors. The DESIGN SECTION ENGINEER shall promptly reimburse the TOLLWAY for any overpayment, or the TOLLWAY at its option may deduct any overpayment from any funds due the DESIGN SECTION ENGINEER, whether those funds are due under this contract or other contracts to which the DESIGN SECTION ENGINEER is a party either directly with the TOLLWAY or as a subcontractor. In the event the DESIGN SECTION ENGINEER fails or refuses to reimburse the TOLLWAY for an overpayment, the DESIGN SECTION ENGINEER shall be responsible for all costs, including attorney fees, incurred by the TOLLWAY to collect such overpayment.

Failure to maintain or make available the books, records, and supporting documents required by this Section shall establish a presumption in favor of the TOLLWAY for recovery of any funds paid by the TOLLWAY under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.

The DESIGN SECTION ENGINEER shall reimburse the TOLLWAY for the total costs of an audit that identifies significant findings that would benefit the TOLLWAY, including but not limited to reasonable attorney's fees and other expenses. Significant findings for the purposes of this provision shall be identified as an amount in excess of \$50,000 in aggregate of the audit report or findings of material performance or compliance deficiencies.

If the DESIGN SECTION ENGINEER fails to comply with these requirements, the DESIGN SECTION ENGINEER may be disqualified or suspended from bidding on or working on future contracts.

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

INVOICES for services performed and expenses incurred through December 31st must be submitted to the TOLLWAY no later than February 28th of the subsequent year. The DESIGN SECTION ENGINEER expressly acknowledges that the TOLLWAY, at its discretion, reserves the right not to honor any delinquent INVOICE if the DESIGN SECTION ENGINEER fails to obtain prior written approval from the Chief Engineering Officer for an alternative INVOICE submission date. DESIGN SECTION ENGINEER will request such approval or an INVOICE submittal extension no later than February 15th.

PARTIAL PAYMENTS		
Rev. 3/1/2017	Page 3 of 5	EXHIBIT "1"
		PAGEOF
		EXHIBIT "1

Page 3 of 108

Partial payments to the DESIGN SECTION ENGINEER 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.

REVISIONS TO SUPPLEMENTAL SCOPE OF WORK

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

Rev. 3/1/2017 Page 4 of 5 EXHIBIT "1"

PAGE ____OF ___ EXHIBIT "1"

THIS PROPOSAL FOR SUPPLEMENTAL DESIGN SECTION ENGINEERING SERVICES FOR

CONTRACT <u>I-17-4303</u>

SUBMITTED BY:

FIRM NAME:

BBACBE_TM (Bowman, Barrett & Associates Inc.)

ADDRESS:

130 E. Randolph Street, Ste 2650

CITY, STATE &

ZIP CODE:

Chicago, Illinoi 60601

TELEPHONE:

312-228-0100

FACSIMILE:

312-228-0706

SIGNED BY:

PRINTED NAME: D. David Moses, PE

TITLE:

Senior Vice President

Rev. 3/1/2017

Page 5 of 5

EXHIBIT "1"

PAGE ____OF _EXHIBIT "1"

MKJOLLY



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/24/2018

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.

PRODUCER Mesirow Ir	tificate does not confer rights surance Services, Inc. rk St 11th fl L 60654			CONTACT Megan J NAME: PHONE (A/C, No, Ext): (312) E-MAIL ADDRESS: Megan.J	olly 595-6000 olly@allian		No):	
						RDING COVERAGE		NAIC#
				INSURER A : ACE AI	merican ins	urance Company	226	6/
N\$URED	Bowman, Barrett & Assoc.			INSURER B :				
	130 East Randolph			INSURER C :				
	Suite 2650			INSURER D :				
	Chicago, IL 60601			INSURER E :				
				INSURER F :				
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CERTIFIC	CATE HOLDER			CANCELLATION				
	Illinois State Toll Highway 2700 Ogden Avenue	Authority			N DATE TH	ESCRIBED POLICIES I BEREOF, NOTICE W Y PROVISIONS.		
	Downers Grove, IL 60515			AUTHORIZED REPRESE	ENTATIVE			
CODD	25 (2016/03)			@ 10	99 2015 AC	ORD CORPORATIO	M. Allaiobte	inconinc

MKJOLLY



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/24/2018

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

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

PRODUCER	CONTACT Megan Jolly	
Mesirow Insurance Services, Inc. 353 N. Clark St 11th fi	PHONE (A/C, No, Ext): (312) 595-6000 FAX (A/C, No):	
Chicago, IL 60654	E-MAIL ADDRESS: Megan.Jolly@alliant.com	
	INSURER(S) AFFORDING COVERAGE	NAIC#
	INSURER A: Travelers Property Casualty Company of America	25674
INSURED	INSURER B: Travelers Indemnity Company	25658
Bowman, Barrett & Assoc. 130 East Randolph	INSURER C:	
Suite 2650	INSURER D:	
Chicago, IL 60601	INŞURER E :	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NSR LTR		TYPE OF INSU	RANCE	ADDL SUBF	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
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								MED EXP (Any one person)	\$	10,00
								PERSONAL & ADV INJURY	\$	1,000,00
	GEN'L A	GGREGATE LIMIT	APPLIES PER:					GENERAL AGGREGATE	\$	2,000,00
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_	OTI	HER:							\$	
В		BILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,00
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	if yes, des DESCRIP	scribe under PTION OF OPERATION	ONS below					E.L. DISEASE - POLICY LIMIT	\$	1,000,00
	D	ty - Special		1 1	6608938M214TIL17	12/14/2017	12/14/2018	Contents/ Ded \$2,500		1,600,00

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Re: Illinois Tollway Contract No. I-17-4303, Phase II Engineering services

for Tri-State Tollway (I-294) reconstruction between O'Hare Oasis and

Balmoral Ave.

The following are additional insureds on the general liability and SEE ATTACHED ACORD 101

CERT	IEICA	TE	HOL	
CERI	リアリング	\ I E	HOL	חבת.

CANCELLATION

Illinois State Toll Highway Authority 2700 Ogden Avenue Downers Grove, IL 60515 SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

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I OC #: 1



ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Mesirow Insurance Services, Inc. POLICY NUMBER SEE PAGE 1		NAMED INSURED Bowman, Barrett & Assoc. 130 East Randolph Suite 2650 Chicago, IL 60601	
CARRIER	NAIC CODE		
SEE PAGE 1	SEE P 1	EFFECTIVE DATE: SEE PAGE 1	

ADDITIONAL REMARKS

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

Description of Operations/Locations/Vehicles: automobile liability on a primary/non-contributory basis as required as required by written contract:

Illinois State Toll Highway Authority

Christopher B Burke Engineering

A Waiver of Subrogation applies in favor of the additional insureds with respects to the General Liability, Auto Liability and Workers Compensation policies as required by written contract.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESS AUTO EXTENSION ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

GENERAL DESCRIPTION OF COVERAGE – This endorsement broadens coverage. However, coverage for any injury, damage or medical expenses described in any of the provisions of this endorsement may be excluded or limited by another endorsement to the Coverage Part, and these coverage broadening provisions do not apply to the extent that coverage is excluded or limited by such an endorsement. The following listing is a general coverage description only. Limitations and exclusions may apply to these coverages. Read all the provisions of this endorsement and the rest of your policy carefully to determine rights, duties, and what is and is not covered.

- A. BROAD FORM NAMED INSURED
- **B. BLANKET ADDITIONAL INSURED**
- C. EMPLOYEE HIRED AUTO
- D. EMPLOYEES AS INSURED
- E. SUPPLEMENTARY PAYMENTS INCREASED LIMITS
- F. HIRED AUTO LIMITED WORLDWIDE COV-ERAGE – INDEMNITY BASIS
- G. WAIVER OF DEDUCTIBLE GLASS

PROVISIONS

A. BROAD FORM NAMED INSURED

The following is added to Paragraph A.1., Who Is An Insured, of SECTION II – COVERED AUTOS LIABILITY COVERAGE:

Any organization you newly acquire or form during the policy period over which you maintain 50% or more ownership interest and that is not separately insured for Business Auto Coverage. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier.

B. BLANKET ADDITIONAL INSURED

The following is added to Paragraph c. in A.1., Who Is An Insured, of SECTION II – COVERED AUTOS LIABILITY COVERAGE:

Any person or organization who is required under a written contract or agreement between you and that person or organization, that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to be named as an additional insured is an "insured" for Covered Autos Liability Coverage, but only for damages to which

- H. HIRED AUTO PHYSICAL DAMAGE LOSS OF USE INCREASED LIMIT
- I. PHYSICAL DAMAGE TRANSPORTATION EXPENSES INCREASED LIMIT
- J. PERSONAL PROPERTY
- K. AIRBAGS
- L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS
- M. BLANKET WAIVER OF SUBROGATION
- N. UNINTENTIONAL ERRORS OR OMISSIONS

this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.

C. EMPLOYEE HIRED AUTO

 The following is added to Paragraph A.1., Who Is An Insured, of SECTION II – COV-ERED AUTOS LIABILITY COVERAGE:

An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in an "employee's" name, with your permission, while performing duties related to the conduct of your business.

- The following replaces Paragraph b. in B.5., Other Insurance, of SECTION IV – BUSI-NESS AUTO CONDITIONS:
 - b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:
 - (1) Any covered "auto" you lease, hire, rent or borrow; and
 - (2) Any covered "auto" hired or rented by your "employee" under a contract in an "employee's" name, with your



permission, while performing duties related to the conduct of your business.

However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

D. EMPLOYEES AS INSURED

The following is added to Paragraph A.1., Who Is An Insured, of SECTION II – COVERED AUTOS LIABILITY COVERAGE:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

E. SUPPLEMENTARY PAYMENTS - INCREASED LIMITS

- The following replaces Paragraph A.2.a.(2), of SECTION II – COVERED AUTOS LIABIL-ITY COVERAGE:
 - (2) Up to \$3,000 for cost of bail bonds (including bonds for related traffic law violations) required because of an "accident" we cover. We do not have to furnish these bonds.
- The following replaces Paragraph A.2.a.(4), of SECTION II – COVERED AUTOS LIABIL-ITY COVERAGE:
 - (4) All reasonable expenses incurred by the "insured" at our request, including actual loss of earnings up to \$500 a day because of time off from work.

F. HIRED AUTO - LIMITED WORLDWIDE COV-ERAGE - INDEMNITY BASIS

The following replaces Subparagraph (5) in Paragraph B.7., Policy Period, Coverage Territory, of SECTION IV – BUSINESS AUTO CONDITIONS:

(5) Anywhere in the world, except any country or jurisdiction while any trade sanction, embargo, or similar regulation imposed by the United States of America applies to and prohibits the transaction of business with or within such country or jurisdiction, for Covered Autos Liability Coverage for any covered "auto" that you lease, hire, rent or borrow without a driver for a period of 30 days or less and that is not an "auto" you lease, hire, rent or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company) or members of their households.

- (a) With respect to any claim made or "suit" brought outside the United States of America, the territories and possessions of the United States of America, Puerto Rico and Canada:
 - (i) You must arrange to defend the "insured" against, and investigate or settle any such claim or "suit" and keep us advised of all proceedings and actions.
 - (ii) Neither you nor any other involved "insured" will make any settlement without our consent.
 - (iii) We may, at our discretion, participate in defending the "insured" against, or in the settlement of, any claim or "suit".
 - (iv) We will reimburse the "insured" for sums that the "insured" legally must pay as damages because of "bodily injury" or "property damage" to which this insurance applies, that the "insured" pays with our consent, but only up to the limit described in Paragraph C., Limits Of Insurance, of SECTION II COVERED AUTOS LIABILITY COVERAGE.
 - (v) We will reimburse the "insured" for the reasonable expenses incurred with our consent for your investigation of such claims and your defense of the "insured" against any such "suit", but only up to and included within the limit described in Paragraph C., Limits Of Insurance, of SECTION II COVERED AUTOS LIABILITY COVERAGE, and not in addition to such limit. Our duty to make such payments ends when we have used up the applicable limit of insurance in payments for damages, settlements or defense expenses.
- (b) This insurance is excess over any valid and collectible other insurance available to the "insured" whether primary, excess, contingent or on any other basis.
- (c) This insurance is not a substitute for required or compulsory insurance in any country outside the United States, its territories and possessions, Puerto Rico and Canada.

You agree to maintain all required or compulsory insurance in any such country up to the minimum limits required by local law. Your failure to comply with compulsory insurance requirements will not invalidate the coverage afforded by this policy, but we will only be liable to the same extent we would have been liable had you complied with the compulsory insurance requirements.

(d) It is understood that we are not an admitted or authorized insurer outside the United States of America, its territories and possessions, Puerto Rico and Canada. We assume no responsibility for the furnishing of certificates of insurance, or for compliance in any way with the laws of other countries relating to insurance.

G. WAIVER OF DEDUCTIBLE - GLASS

The following is added to Paragraph D., Deductible, of SECTION III - PHYSICAL DAMAGE COVERAGE:

No deductible for a covered "auto" will apply to glass damage if the glass is repaired rather than replaced.

H. HIRED AUTO PHYSICAL DAMAGE - LOSS OF USE - INCREASED LIMIT

The following replaces the last sentence of Paragraph A.4.b., Loss Of Use Expenses, of SECTION III – PHYSICAL DAMAGE COVERAGE:

However, the most we will pay for any expenses for loss of use is \$65 per day, to a maximum of \$750 for any one "accident".

I. PHYSICAL DAMAGE - TRANSPORTATION EXPENSES - INCREASED LIMIT

The following replaces the first sentence in Paragraph A.4.a., Transportation Expenses, of SECTION III – PHYSICAL DAMAGE COVERAGE:

We will pay up to \$50 per day to a maximum of \$1,500 for temporary transportation expense incurred by you because of the total theft of a covered "auto" of the private passenger type.

J. PERSONAL PROPERTY

The following is added to Paragraph A.4., Coverage Extensions, of SECTION III – PHYSICAL DAMAGE COVERAGE:

Personal Property

We will pay up to \$400 for "loss" to wearing apparel and other personal property which is:

(1) Owned by an "insured"; and

(2) In or on your covered "auto".

This coverage applies only in the event of a total theft of your covered "auto".

No deductibles apply to this Personal Property coverage.

K. AIRBAGS

The following is added to Paragraph B.3., Exclusions, of SECTION III - PHYSICAL DAMAGE COVERAGE:

Exclusion 3.a. does not apply to "loss" to one or more airbags in a covered "auto" you own that inflate due to a cause other than a cause of "loss" set forth in Paragraphs A.1.b. and A.1.c., but only:

- a. If that "auto" is a covered "auto" for Comprehensive Coverage under this policy;
- The airbags are not covered under any warranty; and
- c. The airbags were not intentionally inflated.

We will pay up to a maximum of \$1,000 for any one "loss"

L. NOTICE AND KNOWLEDGE OF ACCIDENT OR LOSS

The following is added to Paragraph A.2.a., of SECTION IV – BUSINESS AUTO CONDITIONS:

Your duty to give us or our authorized representative prompt notice of the "accident" or "loss" applies only when the "accident" or "loss" is known to:

- (a) You (if you are an individual):
- (b) A partner (if you are a partnership);
- (c) A member (if you are a limited liability company);
- (d) An executive officer, director or insurance manager (if you are a corporation or other organization); or
- (e) Any "employee" authorized by you to give notice of the "accident" or "loss".

M. BLANKET WAIVER OF SUBROGATION

The following replaces Paragraph A.5., Transfer Of Rights Of Recovery Against Others To Us, of SECTION IV – BUSINESS AUTO CONDITIONS:

5. Transfer Of Rights Of Recovery Against Others To Us

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract signed and executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of operations contemplated by



COMMERCIAL AUTO

such contract. The waiver applies only to the person or organization designated in such contract.

N. UNINTENTIONAL ERRORS OR OMISSIONS

The following is added to Paragraph B.2., Concealment, Misrepresentation, Or Fraud, of SECTION IV – BUSINESS AUTO CONDITIONS:

The unintentional omission of, or unintentional error in, any information given by you shall not prejudice your rights under this insurance. However this provision does not affect our right to collect additional premium or exercise our right of cancellation or non-renewal.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – WRITTEN CONTRACTS (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

 The following is added to SECTION II – WHO IS AN INSURED:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

- a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and
- b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies. The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

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

- c. In the event that the Limits of Insurance of this Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement shall not increase the limits of insurance described in Section III Limits Of Insurance.
- d. This insurance does not apply to the rendering of or failure to render any "professional services" or construction management errors or omissions.
- e. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured ap-

plies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.

2. The following is added to Paragraph 4.a. of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and noncontributory basis, this insurance is primary to "other insurance" available to the additional insured which covers that person or organization as a named insured for such loss, and we will not share with that "other insurance". But this insurance provided to the additional insured still is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any "other insurance".

3. The following is added to SECTION IV – COM-MERCIAL GENERAL LIABILITY CONDITIONS:

Duties Of An Additional Insured

As a condition of coverage provided to the additional insured:

a. The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:

- How, when and where the "occurrence" or offense took place:
- ii. The names and addresses of any injured persons and witnesses; and
- iii. The nature and location of any injury or damage arising out of the "occurrence" or offense.
- b. If a claim is made or "suit" is brought against the additional insured, the additional insured must:
 - Immediately record the specifics of the claim or "suit" and the date received: and
 - ii. Notify us as soon as practicable.

The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.

- c. The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
- d. The additional insured must tender the defense and indemnity of any claim or "suit" to

any provider of other insurance which would cover the additional insured for a loss we cover. However, this condition does not affect whether this insurance provided to the additional insured is primary to that other insurance available to the additional insured which covers that person or organization as a named insured.

4. The following is added to the **DEFINITIONS** Sec-

"Written contract requiring insurance" means that part of any written contract or agreement under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- After the signing and execution of the contract or agreement by you;
- b. While that part of the contract or agreement is in effect: and
- c. Before the end of the policy period.

Contract Information Sheet

Complete the following information and it will be populated on every exhibit. Joint Venture BBACBE TM / Team: Bowman, Barrett & Associates Inc. Lead Partner: Christopher B. Burke Engineering Ltd. 2nd Partner: 3rd Partner: *I-17-4303* Contract Number: 10/1/2018 Proposal Date: **Exhibit Pointers** Editable cells in each exhibit are underlined in red Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number:	1-17.	1-17-4303			Joint	Venture	Joint Venture / Team:			BBAC	BBACBE_TM		
				EXHIE	EXHIBIT A: ESTIMATED TASK WORK HOURS	TIMATEI	TASK V	NORK H	ours				
									Gra	Ind Total	Grand Total Exhibit A Hours	A Hours	4,739
					Z	ONTHS	MONTHS of YEAR 2018	2018					TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	lut	Aug	deS	Oct	Nov	Dec	
										1580	1580	1579	4739

					***************************************					-			
			-										
													-
												-	
											-		
TOTALS										1580	1580	1579	4739

•		Joint Venture /			
Contract No.:	I-17-4303	Team:	BBACBE_	ТМ	
	<u>EXHII</u>	BIT B: FEE CALCULATI	<u>ONS</u>		
A. DIRECT LABO	R (without overtime)				
	4,739.00 (Total Work Hours from Exhibit C-2)	\$ 49.00 (Average Hourly Rate: Total Direct Salary divided by Total Work Hours)	TOTAL DIRECT SALARY	\$	232,211.00
Multi	iplier to be used on this project:				2.80
	llowable Multiplier = (2.8 DSE) (2			•	
	DIRECT	REGULAR SALARY TIN	IES MULTIPLIER	\$	650,190.80
	LE DIRECT COSTS NO al for Joint Venture/Team listed	T ELIGIBLE FOR PROF above.)	ΙΤ		
	•		TOTAL DIRECT COSTS	\$	132.19
C. SERVICES BY	OTHERS				
Tota	al Allowable Fee DBE/MBE/WBE	Subconsultant (from Exhibit H)	\$ 271,657.01	. ,	
Total Allowable	Fee Non-DBE/MBE/WBE Subco	onsultant (from Exhibit H (cont))	\$ 48,020.00		
		TOTA	L SERVICES BY OTHERS	\$	319,677.01
D. ADDITIONAL S	SERVICES (Prime Consultan	t)			

D

ADDITIONAL SERVICES (Subconsultants)

(Requires prior authorization before use)

(Requires prior authorization before use)

TOTAL ADDITIONAL SERVICES _\$ (Requires prior authorization before use)

E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensation)

970,000.00

Coı	ntract No.:	I-17-4303	_	Lead Part	ner:		Bowman, Barrett & A	ssocia	ates Inc.
		<u>E)</u>	<u>(HIB</u>	IT B: FEE	CALC	<u>ULATI</u>	<u>ONS</u>		
	•								
A.	DIRECT LA	ABOR (without overtime)							
		2,234.00 (Total Work Hours from Exhibit C-2)	<u>)</u> X	(Average H Rate from E C-2)		=	TOTAL DIRECT SALARY	(_\$	109,466.00
		Multiplier to be used on this pro Allowable Multiplier = (2.8 D	-	.5 or 2.8 CM) (2	2.5 P M O)	•			2.89
		DIRE	CT F	REGULAR	SALA	RY TIN	IES MULTIPLIER	\$	306,504.80
В.	REIMBURS	SABLE DIRECT COSTS (For Consultant listed above.)	NOI	ELIGIBLE	E FOR	PROF	IT		
							TOTAL DIRECT COSTS		\$132.19
C.	SERVICES	BY OTHERS							
		Total Allowable Fee DBE/MBE/	WBE :	Subconsultant	(from E	xhibit H)	See JV summary	_	
	Total Allov	wable Fee Non-DBE/MBE/WBE S	ubco	nsultant (from	Exhibit	H (cont))	See JV summary	_	
						тота	L SERVICES BY OTHERS	See J	IV summary
D. .	ADDITION	AL SERVICES (Prime Cons	ultant		(Pegi		See JV summary rauthorization before use	-	
,	ADDITIONA	L SERVICES (Subconsulta	ints)				See JV summary r authorization before use	-	
						TOTAL	_ ADDITIONAL SERVICES r authorization before use	See J	V summary
E . 1	MAXIMUM	ALLOWABLE FEE (Uppe	r Limi	t of Compensa	ation)			\$	306,636.99

Contract No.: I-17-4303 2nd Part	ner: Christopher B. Burke E	Engineering Ltd.
EVIUDIT D. FEE	CALCULATIONS	
EXHIBIT B: FEE	CALCULATIONS	
A. DIRECT LABOR (without overtime)		
2,505.00 X \$ 4 (Total Work Hours from Exhibit C-2) Rate from E	ourly	\$ 122,745.00
Multiplier to be used on this project: Allowable Multiplier = (2.8 DSE) (2.5 or 2.8 CM) (2	2.5 PMO)	2.80
DIRECT REGULAR	SALARY TIMES MULTIPLIER	\$ 343,686.00
B. REIMBURSABLE DIRECT COSTS NOT ELIGIBLE (For Consultant listed above.)	FOR PROFIT	
	TOTAL DIRECT COSTS	
C. SERVICES BY OTHERS		
Total Allowable Fee DBE/MBE/WBE Subconsultant	(from Exhibit H) See JV summary	-
Total Allowable Fee Non-DBE/MBE/WBE Subconsultant (from	Exhibit H (cont)) See JV summary	-
	TOTAL SERVICES BY OTHERS	See JV summary
•		
D. ADDITIONAL SERVICES (Prime Consultant)	See JV summary (Requires prior authorization before use)	-
ADDITIONAL SERVICES (Subconsultants)	See JV summary (Requires prior authorization before use)	-
	TOTAL ADDITIONAL SERVICES (Requires prior authorization before use)	
E. MAXIMUM ALLOWABLE FEE (Upper Limit of Compensa	ation)	\$ 343,686.00

EXHIBIT F

CONTRACT I-17-4303

(Bowman, Barrett & Associates Inc. / Christopher B. Burke Engineering Ltd.)

SCOPE OF SERVICES

Design Contract Supplemental Items:

Tasks within the Phase II Design services have resulted in changes in the character or complexity of the scope of work, and include items listed below.

Advanced Engineering Studies (AES): Original budget and scope was developed based on availability of AES documents containing engineering designs, drawings, CADD files, calculations, and other documents developed to a 30% completion level, and included efforts for review and verification of the AES documents. The Project schedule change resulted in partially completed AES documents being transferred to the BBACBE team for direct development into Phase II construction documents. This change added additional effort for the BBACBE team to complete development of partially completed AES design concepts, investigate Contract Package alternatives and related maintenance of traffic concepts. This work needs to be done expeditiously to meet the design schedule.

Bridge Deck Replacements: Original budget included patching and overlay work on two of the three bridge decks over Irving Park Road and both bridge decks over Lawrence Avenue. These bridge decks now consist of full deck replacements for design development. This task was not known at the time the original contract was negotiated and must be performed expeditiously to meet the design schedule.

Alternate 8R vs. Alternate 9R: Original budget was developed based on improvements shown within the Phase I Alternate 8R. Subsequently, a new Phase I Alternate 9R was developed and selected as the preferred alternate. This Alternate 9R includes additional improvements requiring additional design effort for roadway, structures (retaining walls), drainage, collector-distributor (C-D) roadway system for southbound between Plaza 33 and the O'Hare Oasis, and lane and ramp modifications in the northbound direction. Alternate 9R design concept was memorialized by the Phase I DSE and did not include 30% level AES design documents. Verifying and developing the 9R Alternative concept details will be performed by the BBACBE team.

Median Flex Lane: After the 60% submittal under this contract, direction was received to meet modified flex lane criteria, requiring additional drainage and roadway design efforts.

Median Reconstruction: Original budget was developed based on patching and rehabilitation of the median. Construction scope for the median now consists of complete reconstruction, requiring additional design and detailing efforts.

ITS: Original budget was limited to effort to draft details and locations developed by others under a separate corridor-wide ITS contract. Due to schedule acceleration it was determined that the

Rev. 3/1/2017	EXHIBIT "1"		
	PAGEOFEXHIBIT "1"		

corridor-wide ITS contract would not be available for expedited use, requiring additional efforts under our contract to design and detail ITS elements and infrastructure within our section. These additional efforts are required for multiple ITS systems, including:

- a. Temporary: relocation of the Illinois Tollway fiber optic duct-bank and the Illinois Tollway "Overbuild" fiber optic duct-bank to ensure uninterrupted functionality through both 2018 and 2019 construction contracts.
- b. Permanent: renewal of ITS equipment infrastructure and ITS backbone duct-bank throughout section limits.
- c. ATM: layout and design of foundation locations for Automated Traffic Management (ATM) structures, including coordinating locations with proposed and existing Overhead Sign Structures (OHSS).

Plaza 33 Modifications: Original budget included no work on Plaza 33. Through the course of design development, modifications to Plaza 33 became necessary to accommodate a 5th southbound lane through the Plaza 33 Open Road Tolling (ORT) infrastructure. Additional efforts include extension and modification of camera, antenna support systems and Violation Enforcement System, additional axle detector loops, and the creation of a service roadway allowing vehicular access to ORT equipment cabinets from the cash-lane side of the Plaza.

Lighting Photometrics: Original budget was based on lighting photometric calculations being performed by others under a separate corridor-wide contract. Due to schedule acceleration it is necessary for photometric calculations for both temporary lighting and permanent lighting to be performed under this contract.

Balmoral Bridge Repairs: During inspection of the Balmoral Bridge new impact damage was discovered on one of the beams requiring repair plans under our contract.

Overhead Sign Structure Layout: Original budget was based on corridor-wide determination of OHSS locations by others. Due to schedule acceleration, development of these locations was moved into this contract, including removal of bridge mounted signs at Balmoral Avenue.

Geotechnical: Additional OHSS and ATM locations require additional geotechnical borings.

Retaining Wall Impacts: The Tollway Design Memorandum 18-02 released on May 25, 2018 increases shoulder widths along retaining walls. This will need to be incorporated accordingly. The Alternative 9R also includes two additional retaining walls not included in the original scope of work.

Plats & Legal Descriptions: Original budget included preparation of Right of Way (ROW) documents for all acquisitions planned within our section. Due to schedule acceleration, direction was received that ROW documents started under the Phase I contract would be completed by Phase I instead of our contract. This is a credit to the contract.

Rev. 3/1/2017 EXHIBIT "1"

PAGE ____OF ___EXHIBIT "1"

Contract No.:	I-17-4303	Joint Venture / Team:	BBACBE_TM	

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

V 1	American Survey & Engineering P.C.			7			
	Direct Labor	\$ 82,657.01	~		Direct Labor		
	Direct Costs				Direct Costs	\$ -	·····
	Services by Others		~		Services by Others	\$ -	
	Additional Services **		•		Additional Services **	\$ -	
	Total this Subconsultant (ULC)		\$ 82,657.01		Total this Subconsultant (ULC)	, .	_ _\$
y 2	Environmental Design International		_	8			_
	Direct Labor	\$ 189,000.00	_		Direct Labor		 ,
	Direct Costs		•		Direct Costs	\$ <u>-</u>	
	Services by Others		-		Services by Others	<u> </u>	
	Additional Services **	·			Additional Services **	_\$	_
	Total this Subconsultant (ULC)		\$ 189,000.00		Total this Subconsultant (ULC)		\$ -
3	O'Brien & Associates, Inc		-	9 _			_
	Direct Labor		_		Direct Labor		_
	Direct Costs	\$ -	_		Direct Costs	_\$	_
	Services by Others	\$ -	-		Services by Others	_\$ -	_
	Additional Services **	<u> </u>			Additional Services **	\$ -	_
	Total this Subconsultant (ULC)		\$		Total this Subconsultant (ULC)		\$ -
4	Singh & Associates Inc.			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)		\$ -
5				11			
	Direct Labor		•		Direct Labor		
	Direct Costs	\$ -	-		Direct Costs	_\$	<u></u>
	Services by Others	\$ -			Services by Others		
	Additional Services **	\$ -			Additional Services **	\$ -	_
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$ -
6				12			
	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)		\$ -

TOTAL DBE/MBE/WBE Subconsultants: \$ 271,657.01

TOTAL Additional Services DBE/MBE/WBE Subconsultants: \$
TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: \$ 271,657.01

DBE/MBE/WBE Percentage of Total Fee (includes Additional Services): 28.01%

28.01%

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

EXHIBIT "1"
Page **24** of **108** 14

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I-17-430	3
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-16	HIT	Ver	mure	,	ı ear	n.

BBACBE_TM

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 (<u>NOT</u>	DBE/MBE/WBE)	ĺ
-----------------------------------	--------------	---

Direct Labor	\$ 48,02	0.00			Direct Labor		
Direct Costs					Direct Costs	_\$	<u> </u>
Services by Others					Services by Others	\$ -	•
Additional Services **					Additional Services **	\$	•
Total this Subconsultant (ULC)		\$	48,020.00		Total this Subconsultant (ULC)		\$
				7			
Direct Labor					Direct Labor	\$ -	-
Direct Costs					Direct Costs	\$ -	•
Services by Others					Services by Others	\$ -	·
Additional Services **					Additional Services **	\$ -	<u>. </u>
Total this Subconsultant (ULC)		\$	-		Total this Subconsultant (ULC)		\$
				8 _			
Direct Labor					Direct Labor	\$ -	· .
Direct Costs	\$				Direct Costs	<u> </u>	<u>. </u>
Services by Others	\$				Services by Others	\$	<u>- </u>
Additional Services **	\$	<u></u>			Additional Services **	\$ -	<u>- </u>
Total this Subconsultant (ULC)		_\$			Total this Subconsultant (ULC)		\$
				9 _			
Direct Labor					Direct Labor	\$ -	<u> </u>
Direct Costs	\$				Direct Costs	\$	
Services by Others	_\$	-			Services by Others	\$ -	<u>. </u>
Additional Services **	_\$				Additional Services **	\$	<u>. </u>
Total this Subconsultant (ULC)		_\$	<u>-</u>		Total this Subconsultant (ULC)		_\$
				10			
Direct Labor					Direct Labor	\$ -	
Direct Costs	\$				Direct Costs	\$ -	
Services by Others	_\$	-			Services by Others	\$	· ·
Additional Services **	\$	<u>-</u>			Additional Services **	\$ -	·
Total this Subconsultant (ULC)		_\$	-		Total this Subconsultant (ULC)		_\$

-	Additional	services	tunas	require	prior	authorization	before	use

TOTAL	Non	-DBE/MBE/WBE	Subconsultants:	\$	48,020.00
. •			ounconjuitants.	Ψ	40,020.00

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

TOTAL Allowable Fee Non-DBE/MBE/WBE Subconsultants: _\$ 48,020.00

Contract Information Sheet

Complete the folio	wing information and it will be populated on every exhibit.
Consultant Name:	Bowman, Barrett & Associates Inc.
Contract Number:	I-17-4303
Proposal Date:	10/1/2018
Exhibit Pointers	Editable cells in each exhibit are underlined in red
	Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes
	A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number:	1-17	1-17-4303				Con	Consultant:		Bowm	an, Barret	Bowman, Barrett & Associates Inc.	ates Inc.	
				EXHE	IIT A: ES	TIMATE) TASK	EXHIBIT A: ESTIMATED TASK WORK HOURS	OURS				
									Gra	ind Total	Grand Total Exhibit A Hours	A Hours	2,234
					Σ	MONTHS of YEAR 2018	of YEAR	. 2018			:		TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	lut	Aug	Sep	Oct	Nov	Dec	
Phase II										745	745	744	2234
								, , , , , , , , , , , , , , , , , , ,					

		,											
***************************************						-							
						-							
TO ANALYSIA DE LA CONTRACTOR DE LA CONTR													
11 198													
TOTALS										745	745	744	2234

Co	ntract No.: _	I-17-4303	Consultant: _	Bowman, Barrett & A	ssociat	tes Inc.
		<u>EXHIBI</u>	ГВ: FEE CALC	<u>ULATIONS</u>		
A.	DIRECT LAE	BOR (without overtime)				
		2,234.00 X (Total Work Hours from Exhibit C-2)	\$ 49.00 (Average Hourly Rate from Exhibit C-2)	= TOTAL DIRECT SALARY	\$	109,466.00
	M	lultiplier to be used on this project:				2.80
		Allowable Multiplier = (2.8 DSE) (2.5	or 2.8 CM) (2.5 PMO)			
		DIRECT RE	EGULAR SALAI	RY TIMES MULTIPLIER	\$	306,504.80
В.		ABLE DIRECT COSTS NOT I	ELIGIBLE FOR	PROFIT		
				TOTAL DIRECT COSTS		\$132.19
C.	SERVICES E	BY OTHERS				
	T	otal Allowable Fee DBE/MBE/WBE Su	ıbconsultant (from Ex	chibit H) \$ -		
		ible Fee Non-DBE/MBE/WBE Subcons				
				TOTAL SERVICES BY OTHERS	\$	
		·				
D.	ADDITIONAL	_ SERVICES (Prime Consultant)	/Poqu	ires prior authorization before use)		
	ADDITIONAL	. SERVICES (Subconsultants)		ires prior authorization before use)		
			(Requ	TOTAL ADDITIONAL SERVICES ires prior authorization before use)	\$	-
E.	MAXIMUM A	LLOWABLE FEE (Upper Limit o	of Compensation)		\$	306,636.99

Contract No.:	7-4303	Consultant:		Bowman, Barrett & Associates Inc.
Date:10/	11/2018			
	EXHIBIT C-1: P	EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE	SCALATION TABLE	
	CONTRACT TERM:	8	No. OF MONTHS	
	SCHEDULED START DATE:	10/1/2018		
	RAISE DATE:	10/1/2018		
	PERCENT OF RAISE:	%0		
	ESCALA	ESCALATION PER YEAR Year 1 through 5	hrough 5	
10/1/2018 -	10/1/2018 - 12/31/2018	ı	1	1
Date Date	Date Date	Date Date	Date Date	Date Date
3.0	3.0	3.0	3.0	3.0
Factor First Period	100.00% Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period
	ESCALA1	ESCALATION PER YEAR Year 6 through 10	irough 10	
	1		1	1
Date Date	Date Date	Date Date	Date Date	Date Date
3.0	3.0	3.0	3.0	3.0
Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period
The esc	The escalation factor for this project is:	100.00%		

Bowman, Barrett & Associates Inc. 100.00% \$109,466.00 120.00 35.00 392.00 255.00 170.00 115.00 90.00 75.00 20.00 2,234.00 \$49.00 490.00 472.00 (From Exhibit C-1) **Work Hours** (Including **Estimated** Overtime) **Estimated** \$55.75 \$30.75 \$33.50 **Escalation Factor:** Total **Total Direct** See Note A to (See Note B to \$47.33 \$39.83 \$40.83 \$26.00 Work Hours: Average Hourly Rate: Labor \$70.00 \$38.63 \$18.00 Classification | Classification \$69.17 Hourly Rate Escalated Average Right) **EXHIBIT C-2: DIRECT LABOR CLASSIFICATION MAN-HOURS AND RATES** \$55.75 \$47.33 \$30.75 \$40.83 Consultant: \$39.83 \$33.50 \$38.63 \$26.00 \$70.00 \$69.17 \$18.00 Hourly Rate Average Right) \$60.00 \$40.00 \$60.00 \$70.00 \$60.00 \$50.00 \$70.00 \$70.00 \$20.00 \$40.00 Classification \$70.00 \$70.00 \$70.00 Hourly Rate MAXIMUM Tollway \$25.00 \$40.00 \$20.00 \$15.00 Classification \$40.00 \$40.00 \$25.00 \$20.00 \$30.00 \$20.00 \$8.25 \$8.25 \$50.00 **Hourly Rate** Tollway MINIMUM Tollway Classification Senior Technical Specialist Project Engineer/Planner□ Senior Engineer/Planner Staff Engineer/Planner Engineer /Accountant Technical Specialist 1-17-4303 10/1/2018 Resident Engineer Realty Specialists Project Manager Admin/Clerical Principal Architect Intern Date: Contract No.: Classification Eligible for **Overtime?** Premium ž ŝ ŝ ٤ ŝ £ 8 å ŝ S ŝ ဍ ŝ

(See Note D to Hours Only)

(See Note C to **Hourly Rate**

Right)

Right)

(Overtime

Estimated Overtime Hours

Escalated Average Premium Overtime

OVERTIME PREMIUM

Total

Estimated O/T Hours: Average

Premium O/T

Hourly Rate:

Total Overtime

Premium:

DIRECT COST

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour	
Principal	Engineer VIII	Ross Anderson	\$50 - \$70	
	Engineer VIII	James Daum		
Project Manager	Engineer VII	Donato Brescia	\$40 - \$70	
	Engineer VII	Daniel Filice		
	Engineer VII	Elmer G. Hessenthaler		
	Engineer VII	Joseph Hosanna		
	Engineer VII	D. David Moses		
	Engineer VII	Jason Loo		
Senior Engineer/Planner	Engineer VI	John Leary	\$40 - \$70	
	Engineer VI	James Outlaw		
,	Engineer VI	Robert Rose		
	Engineer VI	Richard Rudnicki		
Resident Engineer	Engineer V	Jordan Christensen	\$40 - \$70	
	Engineer V	Oscar Coronado		
	Engineer V	James Kibbons		
Project Engineer/Planner□	Engineer IV	Rosalva Adan	\$25 - \$60	
	Engineer IV	Bryan Crader		
	Engineer IV	Samaan Issa		
,	Engineer IV	Octavio Lopez		
Staff Engineer/Planner	Engineer I/II	Domantas Darkus	\$20 - \$40	
	Engineer I/II	Joshua Starzyk		
Engineer /Accountant	Engineer III	Emma Kay	\$20 - \$60	
	Engineer III	Christine Rhoades		
Senior Technical Specialist	CADD Technician III	Raymond Davis	\$25 - \$60	
	Arch/Eng Technician III	C. Edward Dersch		
	Arch/Eng Technician III	Laura Mueller		
	CADD Technician III	Eugenue Panganiban		
	CADD Technician III	Marinela Reglos		

Contract No.:	Consultant:	Bowman, Barrett & Associates Inc.	
Contract No.: 1-17-4303	Consultant:	Bowman, Barrett & Associates Inc.	_

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour \$15 - \$50	
Technical Specialist	Inspector II	Thomas Barrett		
	Arch/Eng Technician II	Michael Kacmarek		
	Arch/Eng Technician II	Igor Kalinin		
Architect			\$30 - \$70	
Realty Specialists			\$20 - \$70	
Intern Intern		TBD	\$8.25 - \$20	
Admin/Clerical	Administrative Assistant	Margaret Mott	\$8.25 - \$40	
	Administrative Assistant	Megan Schenk		
			·	
·				

Contract	No.: I-17-4303	Consultant:	Bowman, Barrett & Associates Inc.
		<u>EXHIBIT D</u>	
	REIMBURSABI	LE DIRECT COSTS - WORK	SHEET ESTIMATES
A.		EMENT - rate based on link be cms/Employees/travel/Pages/Tr	
В.	https://www.illinoistollwa	COSTS - based on link below ay.com/documents/20184/23867 LEDIRECTCOSTS 12132013.P	3/LG TOL
C.	Allowable Direct Cost	OSTS - For any expense not inc is list, written permission mus eer prior to its inclusion. List t	t be received
	DIRECT COST CATEG	GORY	
	N/A		
		and the state of t	
		- Administration	
		And the second s	
	TOTAL DIR	ECT COSTS (Vehicles, Allowa	ble and Itemized) \$ 132.19

ALLOWABLE DIRECT COSTS

09.12.2018

Effective for contracts awarded on or after August 1, 2018, the following costs are allowable when requested by the Tollway 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 (per GOVERNOR'S TRAVEL CONTROL BOARD)
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)

Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)

Air Fare

Vehicles

Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)

Vehicle Rental (including tolls)

Vehicle Owned or Leased (does not include

personal vehicles, not owned by the company) (includes tolls)

Parking

Tolls (Personal Vehicles only)

Overtime

Shift Differential

Overnight Delivery/Postage Courier Service

Copies of Deliverables

Specific Insurance - required for project

CADD

Monuments – Permanent

Advertisements 2-way Radio

Telephone Usage

Web Site

Facility Rental for Public Meetings & Exhibits/Rendering

& AV Equipment/Transcriptions

Recording Fees
Courthouse Fees
Testing of Soil Samples

Lab Services (excluding Phase III normal construction

inspection such as beam breaks, cylinder breaks, pavement cores)

pavement cores)

Equipment rental specific for project (snooper for bridge

inspection, noise meter, etc.)

Specialized equipment - on an as needed basis with prior

approval

Traffic Systems
Storm sewer cleaning and televising
Traffic control and protection

Aerial photography, mapping and drone usage

Utility exploratory trenching

Up to State rate maximum

Actual cost (up to State rate maximum)

Actual cost

Coach Rate with 2 weeks advance purchase with

ISTHA approval

Up to State rate maximum

Actual cost up to \$55/day

\$65/full day, \$32.50/half day (4 hours or less)

Actual Cost

Actual Cost

Premium portion

Actual cost (based on firm's policy)

Actual Cost

Actual Cost

Actual Cost

Actual Costs (Maximum of \$450.00/Mo)

Actual Cost

Actual Cost

Actual cost (Survey or Phase III only)

Actual Cost (Traffic System Monitoring Only)

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

7.0100.0050

Actual Cost

Actual Cost

Actual Cost Actual Cost

Actual Cost

Actual Cost

Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates_ http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

ALLOWABLE DIRECT COSTS

The number of days will be calculated as follows for extended stay **- Weekly (vehicle and hotel) – Number of days on job site plus one day to travel to and from job site per week.

**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 Tollway project manager.

NOTES:

• For CM 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 CM Manual allowance.

Contract No.:	1-17-4303	Consultant: <u>Bowman, Barrett & Associates Inc.</u>
	<u> </u>	XHIBIT E - KEY PROJECT PERSONNEL
Project Principal:		James Daum, PE
Project Manag	er:	D. David Moses, PE
Project Engineer:		
Resident Engir	neer:	
Documentation		
Project Civil Er	_	Robert Rose, PE
Project Structural Engineer:		
		Daniel Filice, PE, SE
Project Draina	ge Engineer:	
Senior Enginee	er:	
Others:	Name:	Ross Anderson, PE
	Classification:	QA/QC
	Name:	
	Classification:	
	Name:	
	Classification:	
	Name:	
	Classification:	

EXHIBIT F

Contract No. I-17-4303 Bowman, Barrett & Associates Inc. SCOPE OF SERVICES

Design Contract Supplemental Items:

Tasks within the Phase II Design services have resulted in changes in the character or complexity of the scope of work, and include items listed below.

Advanced Engineering Studies (AES): Original budget and scope was developed based on availability of AES documents containing engineering designs, drawings, CADD files, calculations, and other documents developed to a 30% completion level, and included efforts for review and verification of the AES documents. The Project schedule change resulted in partially completed AES documents being transferred to the BBACBE team for direct development into Phase II construction documents. This change added additional effort for the BBACBE team to complete development of partially completed AES design concepts, investigate Contract Package alternatives and related maintenance of traffic concepts. This work needs to be done expeditiously to meet the design schedule.

<u>Bridge Deck Replacements</u>: Original budget included patching and overlay work on two of the three bridge decks over Irving Park Road and both bridge decks over Lawrence Avenue. These bridge decks now consist of full deck replacements for design development. This task was not known at the time the original contract was negotiated and must be performed expeditiously to meet the design schedule.

Alternate 8R vs. Alternate 9R: Original budget was developed based on improvements shown within the Phase I Alternate 8R. Subsequently, a new Phase I Alternate 9R was developed and selected as the preferred alternate. This Alternate 9R includes additional improvements requiring additional design effort for roadway, structures (retaining walls), drainage, collector-distributor (C-D) roadway system for southbound between Plaza 33 and the O'Hare Oasis, and lane and ramp modifications in the northbound direction. Alternate 9R design concept was memorialized by the Phase I DSE and did not include 30% level AES design documents. Verifying and developing the 9R Alternative concept details will be performed by the BBACBE team.

<u>Median Flex Lane</u>: After the 60% submittal under this contract, direction was received to meet modified flex lane criteria, requiring additional drainage and roadway design efforts.

<u>Median Reconstruction</u>: Original budget was developed based on patching and rehabilitation of the median. Construction scope for the median now consists of complete reconstruction, requiring additional design and detailing efforts.

<u>ITS</u>: Original budget was limited to effort to draft details and locations developed by others under a separate corridor-wide ITS contract. Due to schedule acceleration it was determined that the corridor-wide ITS contract would not be available for expedited use, requiring additional efforts under our contract to design and detail ITS elements and infrastructure within our section. These additional efforts are required for multiple ITS systems, including:

- a. <u>Temporary</u>: relocation of the Illinois Tollway fiber optic duct-bank and the Illinois Tollway "Overbuild" fiber optic duct-bank to ensure uninterrupted functionality through both 2018 and 2019 construction contracts.
- b. <u>Permanent</u>: renewal of ITS equipment infrastructure and ITS backbone duct-bank throughout section limits.
- c. <u>ATM</u>: layout and design of foundation locations for Automated Traffic Management (ATM) structures, including coordinating locations with proposed and existing Overhead Sign Structures (OHSS).

<u>Plaza 33 Modifications</u>: Original budget included no work on Plaza 33. Through the course of design development, modifications to Plaza 33 became necessary to accommodate a 5th southbound lane through the Plaza 33 Open Road Tolling (ORT) infrastructure. Additional efforts include extension and modification of camera, antenna support systems and Violation Enforcement System, additional axle detector loops, and the creation of a service roadway allowing vehicular access to ORT equipment cabinets from the cash-lane side of the Plaza.

<u>Lighting Photometrics</u>: Original budget was based on lighting photometric calculations being performed by others under a separate corridor-wide contract. Due to schedule acceleration it is necessary for photometric calculations for both temporary lighting and permanent lighting to be performed under this contract.

<u>Balmoral Bridge Repairs</u>: During inspection of the Balmoral Bridge new impact damage was discovered on one of the beams requiring repair plans under our contract.

<u>Overhead Sign Structure Layout</u>: Original budget was based on corridor-wide determination of OHSS locations by others. Due to schedule acceleration, development of these locations was moved into this contract, including removal of bridge mounted signs at Balmoral Avenue.

Geotechnical: Additional OHSS and ATM locations require additional geotechnical borings.

<u>Retaining Wall Impacts</u>: The Tollway Design Memorandum 18-02 released on May 25, 2018 increases shoulder widths along retaining walls. This will need to be incorporated accordingly. The Alternative 9R also includes two additional retaining walls not included in the original scope of work.

<u>Plats & Legal Descriptions</u>: Original budget included preparation of Right of Way (ROW) documents for all acquisitions planned within our section. Due to schedule acceleration, direction was received that ROW documents started under the Phase I contract would be completed by Phase I instead of our contract. This is a credit to the contract.

EXHIBIT G

Contract No. I-17-4303

Bowman, Barrett & Associates Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
PTB 152-004	4 I-80 from Grundy County Line to US 30	\$4,943,821.00	\$420,000.00	12/31/2019
PTB 165-008	3 US 20 at IL 59	\$1,445,502.00	80000	12/31/2018
PTB 168-012	2 Circle Interchange Phase III	\$5,122,370.00	\$50,000.00	1/31/2018
I-14-4190	I-90, Roadway Retaining Wall and Bridge	\$2,712,242.00	\$3,000.00	12/31/2018
PSB 14-1,	Reconstruction and Widening, West of			
Item 5	Higgins Road to Roselle Road			
RR-16-	I-88, Roadway and Bridge Rehabilitation,	\$2,115,681.00	\$30,000.00	12/31/2018
4254,	Design, MP 91.41 (Annie Glidden Rd) to			
PSB 16-1,	MP 113.3 (IL 56) Phase II Engineering			
Item 7				
I-17-4303	Tri-State Tollway, Roadway	\$6,700,000.00	\$1,000,000.00	11/30/2022
PSB 17-3,	Reconstruction and Bridge Rehabilitation,			
Item 8	O'Hare Oasis (MP 37.8) to Balmoral			
	Avenue (MP 40.0)			
RR-14-	Tri-State Bridge	\$6,891,122.00	\$846,000.00	12/31/2019
4222,	Rehabilitation/Reconstruction, Burlington			
PSB 14-3,	Northern Santa Fe (BNSF) Railroad Bridge			
Item 2	(MP 26.6)			
PTB 188-008	3 I-90 (Kennedy Expressway): I-190 to IL	\$5,473,570.00	\$5,200,000.00	12/31/2020
	43(Harlem) Phase III			

Contract No.:	I-17-4303	Consultant:	Bowman, Barrett & Associates Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

DDE	SUBCONSU	OTIZAT I
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1				6			-
	Direct Labor				Direct Labor		-
	Direct Costs				Direct Costs	<u>\$</u>	-
	Services by Others	····			Services by Others	\$ -	-
	Additional Services **		_		Additional Services **	\$ -	-
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$ -
2				7 _			_
	Direct Labor				Direct Labor		-
	Direct Costs				Direct Costs	\$ -	~
	Services by Others		••••		Services by Others	\$ -	_
	Additional Services **		_		Additional Services **	\$ -	_
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$ -
2				R			
• –	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)	Ψ	- • -
	Total tills Subcollsultant (GEO)		Ψ		Total this Subconsultant (OLO)		
4 _	+ · · · · · · · · · · · · · · · · · · ·		_	9 _			_
	Direct Labor				Direct Labor		-
	Direct Costs		_		Direct Costs	\$ -	-
	Services by Others	_\$ -	_		Services by Others	\$ -	-
	Additional Services **	\$ -	_		Additional Services **	\$ -	-
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$ -
5				10			
J	Direct Labor			10	Direct Labor		•
	Direct Costs	\$ -			Direct Costs	\$ -	-
	Services by Others	\$ -			Services by Others	\$ -	-
	Additional Services **	\$ -			Additional Services **	\$ -	
	Total this Subconsultant (ULC)		 \$ -		Total this Subconsultant (ULC)		- \$ -
					, o.a., and oasse, oanam, (020)		<u>. Y</u>
Additio	nal services funds require prior autho	rization before use			TOTAL DBE/MBE/WB	BE Subconsultants:	\$ -
				TOTAL A	dditional Services DBE/MBE/WB	E Subconsultants:	<u>\$</u> -
				тот	'AL Allowable Fee DBE/MBE/WB	E Subconsultants:	s -
			DBE/MBE	WBE Perc	entage of Total Fee (includes Ad	ditional Services):	
			DBE/MBE/WBE Pe	ercentage o	of Total Fee (does not include Ad	ditional Services):	

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Bowman, Barrett & Associates Inc.

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

Direct Costs Services by Others		······			Direct Costs Services by Others	\$ - \$ -	
Additional Services **					Additional Services **	\$ -	-
Total this Subconsultant (ULC)			_		Total this Subconsultant (ULC)		- \$
		<u></u>		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)		_\$	<u>-</u>		Total this Subconsultant (ULC)		\$
	<u>,</u>			9			_
Direct Labor	<u>\$</u>				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)		\$

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

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name:	Christopher B. Burke Engineering, Ltd.	_
Contract Number:	I-17-4303	-
Proposal Date:	10/1/2017	-
Exhibit Pointers	Editable cells in each exhibit are underlined in red	_
	Notes and guidance for each exhibit are on the right of the o	vhibita in vallou toxt boxer

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number:	1-17-	1-17-4303				Co	Consultant:		Christopl	her B. Bur	ke Engine	Christopher B. Burke Engineering, Ltd.	
				EXHIE	EXHIBIT A: ESTIMATED TASK WORK HOURS	TIMATEI) TASK	NORK H	OURS				
									Gra	Ind Total	Grand Total Exhibit A Hours	A Hours	2,505
					W O	NTHS of	MONTHS of YEAR 2018						TOTAL HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Inc	Aug	Sep	Oct	Nov	Dec	
Phase II										835	835	835	2505
										-			
								-					
			-										
TOTALS										835	835	835	2505
	•												

Contract No.:	1-17-4303	Consultant:	Christopher B. Burke Er	ngineerin	g, Ltd.
	<u>EXHIB</u>	IT B: FEE CALCUL	<u>ATIONS</u>		
A. DIRECT LABO	PR (without overtime)				
·	2,505.00 X (Total Work Hours from Exhibit C-2)	\$ 49.00 = (Average Hourly Rate from Exhibit C-2)	TOTAL DIRECT SALARY	\$	122,745.00
	tiplier to be used on this project:	5 ou 2 9 CM\ /2 5 DMO\			2.80
д	allowable Multiplier = (2.8 DSE) (2.		TIMES MULTIPLIER	\$	343,686.00
	SLE DIRECT COSTS NOT Prime Consultant listed above.)	ELIGIBLE FOR PR	OFIT		
			TOTAL DIRECT COSTS		
C. SERVICES BY	OTHERS				
Tot	al Allowable Fee DBE/MBE/WBE	Subconsultant (from Exhib	it H) _\$	٠.	
Total Allowable	e Fee Non-DBE/MBE/WBE Subco	nsultant (from Exhibit H (c	ont)) <u>\$</u>		
		١	OTAL SERVICES BY OTHERS	\$	-
D. ADDITIONAL S	SERVICES (Prime Consultant		prior authorization before use)	,	
ADDITIONAL S	SERVICES (Subconsultants)	(Requires	prior authorization before use)		
			OTAL ADDITIONAL SERVICES prior authorization before use)	\$	-
E. MAXIMUM ALI	LOWABLE FEE (Upper Limi	t of Compensation)		\$	343,686.00

Contract No.:	1-17-4303	Consultant:	Christopher B. Burke Engineering, Ltd.	e Engineering, Ltd.
Date:	10/1/2017			
	EXHIBIT C-1: P	EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE	SCALATION TABLE	
	CONTRACT TERM:	3	No. OF MONTHS	
	SCHEDULED START DATE: RAISE DATE:	10/1/2018		
	PERCENT OF RAISE:	%0		
	ESCALA	ESCALATION PER YEAR Year 1 through 5	ırough 5	
10/1/2018 -	10/1/2018 - 12/31/2018	1		1
Date Date	e Date Date	Date Date	Date Date	Date Date
3.0	3.0	3.0	3.0	3.0
Factor First Period	100.00% Escalation Factor Second Period	Escalation Factor Third Period	Escalation Factor Fourth Period	Escalation Factor Fifth Period
	ESCALAI	ESCALATION PER YEAR Year 6 through 10	rough 10	
1		(1
Date Date	e Date Date	Date Date	Date Date	Date Date
3.0	3.0	3.0	3.0	3.0
Escalation Factor Sixth Period	iod Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period
The	The escalation factor for this project is:	100.00%		

Consultant:	
1-17-4303	
Contract No.:	

Christopher B. Burke Engineering, Ltd. 10/1/2017 Date:

100.00% (From Exhibit C-1) Escalation Factor:

	EXHIBIT C-2: DIRECT LABOR CL		TION MAN-	ASSIFICATION MAN-HOURS AND RATES	RATES		DIRECT COST OVERTIME PREMIUM	COST
					Total Estimated Work Hours:	2,505.00	Total Estimated O/T Hours:	
					Average Hourly Rate:	\$49.00	Average Premium O/T Hourly Rate:	
					Total Direct Labor	\$122,745.00	Total Overtime Premium:	
Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Average Average Hourly Rate for for Classification (See Note A to (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to	Estimated Overtime Hours (Overtime Hours Only) (See Note D to
No	Principal	\$50.00	\$70.00	\$70.00	\$70.00	105.00		
N _O	Project Manager	\$40.00	\$70.00	\$65.60	\$65.60	530.00		
o <mark>N</mark>	Senior Engineer/Planner	\$40.00	\$70.00	\$53.20	\$53.20	615.00		
No	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner□	\$25.00	\$60.00	\$44.80	\$44.80	505.00		
No	Staff Engineer/Planner	\$20.00	\$40.00					
No	Engineer /Accountant	\$20.00	\$60.00	\$31.64	\$31.64	410.00		
oN _o	Senior Technical Specialist	\$25.00	\$60.00	\$45.25	\$45.25	125.00		
₽ XI	Technical Specialist	\$15.00	\$50.00	\$35.50	\$35.50	140.00		-
2 IIB	Architect	\$30.00	\$70.00	\$52.50	\$52.50	5.00		
₽ IT	Realty Specialists	\$20.00	\$70.00					
² ″1″	Intern	\$8.25	\$20.00	\$15.00	\$15.00	50.00		
No	Admin/Clerical	\$8.25	\$40.00	\$33.43	\$33.43	20.00		

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Consultant: Christopher B. Burke Engineering, Ltd.

Date: 10/1/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Engineer VI	Michael Kerr	\$50 - \$70
		Jason Souden	
		Thomas Burke	
		William Crosson	
		Donald Dressel	
		Michael Matkovic	
		George M. Ziegler	
Project Manager	Engineer V	John Caruso	\$40 - \$70
Tojost Manago.	Engineer	Lee Fell	ψ+0 - ψ/ 0
		Peter Harmet	
		Jeffrey Julkowski	
		Patrick Kielty	
		Bryan Luke	
	·	Majid Mobasseri	
		Jonathan O'Connell	
		Val Racich	
		Gary Rozwadowski	
		Stephen Sugg	
		Bryan Welch	
		Kevin Wilson	
		Martin Worman	
	Enironmental Res Spec V	Jedd Anderson	
		Julie Gangloff	
		Peter Knysz	
****		Thomas McArdle	
	Survey V	John Murphy	
	Engineering Tech V	TBD	
Senior Engineer/Planner	Engineer IV	James Amelio	\$40, \$70
Comor Engineen/Flatinet	LINGING CLIV	Emily Anderson	\$40 - \$70
		Katrina Ballado	
· · · · · · · · · · · · · · · · · · ·		Katima Ballado Kevin Balldwin	
		Jeffrey Barnett	

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Contract No.: I-17-4303 Consultant: Christopher B. Burke Engineering, Ltd.	
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Date: 10/1/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
		Kevin Betke	
		David Buckley	
		Michael Cothard	
		llene Dailey	
		Anthony DeRicco	
		Jeana Gowin	
		Matthew Huffman	
		Elizabeth Jensen	
		Andrew Pufundt	
		Melissa McGhee	
		Michael Michalowicz	
		Frank Nemes	
		Donald Oliphant	
		Travis Parry	
		Matthew Rosa	
		Greg Sanders	
		Phil Santos	
,		Luke Sherry	1-2
		Amir Soltani	
		David Vogel	
	Survey IV	Kenneth Rasmussen	
	Environmental Res Spec IV	Angela Force	
		Eric Japsen	
		Thomas Kehoe	
,		Casey Perry	
	CAD Manager	Alexie Karavakis	
		Peter Magnelli	
		Paul Najarro Jr.	
		. salitajano ot.	
sident Engineer			\$40 - \$70
oject Engineer/Planner□	Engineer III	Paula Andrews	\$25 - \$60
		Miros Antas	
		James Barbee	
		Martin Bojovic	

Contract No.: I-17-4303

Consultant: Christopher B. Burke Engineering, Ltd.

Date: 10/1/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
		Michael Burke	
		Penelope Burke	
		Christopher Faust	
		Bobby Gunnells	
		David Kleinwachter	
		Ryan Lindeman	
		Kristen Marquie	
		Nicholas Morel	
		William Schultz	
		Mark Thomas	
		Jeffrey Williams	
		Muhammad Younus	
	Survey III	Brian Gillett	
		James Schmieder	
Staff Engineer/Planner			\$20 - \$40
Engineer /Accountant	Engineer I/II	Ryan Billings	\$20 - \$60
		Edmund Burke	
		Dena Delpazir	
	.,	Ryan Duffy	
		Michael Gratzke	
		Richard Jezierny	
		Douglas Kerr	
		Brian Kuilbus	70/24/2/
		John LaPaglia	
		William Loftus	
		Fancisco Martinez	
		John Miller	
		Danile O'Connell	
		Andrea Pizzo	
		Alex Shafer	
· · · · · · · · · · · · · · · · · · ·		Daniel Schroeder	
		Matthew Slawitschek	
		Joshua Sitrick	
		Jessica Taskila	

Rev. 6/2016

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I-17-4303

Consultant: Christopher B. Burke Engineering, Ltd.

Date: 10/1/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
		Joseph Wilk	
		Sanae Yasroubdoust	
Senior Technical Specialist	Engineering Technician IV	Gerald Hennelly	\$25 - \$60
		Thomas Szabo	
	Assitant CAD Manager	Michael Goldenberg	
		Elmo Toda	
	CAD Technician II	Fidel Bariso	
		Primo Razalan	
		Eduardo Toda	
Fechnical Specialist	Environmental Res Spec. III	Megan Briggs	\$15 - \$50
		Candice Jacobs	
		Amber Kowal	
		Brooke Ryan	
		Robert Sliwinski	
		Kurt Hansen	
	Environmental Res Spec. I/II		
	Engieering Technician III	TBD	
	Engineering Technician I/II	Howell-Lindgren, Nigel	
		Ella Sidorczuk	
	GIS Specialist III	David Walters	
	GIS Specialist I/II	Matthew Hayes	
	Survey II	Robert Keller	
		Karl Schlenker	
		Martin Wiggins	
		Thomas Wilk	
	Survey I	Piotr Galecki	
		Alberto Torres	
		William Wilson	
	Environmental Resource Tech	Kenneth Kopija	
Architect	Landscape Architect	Douglas Gotham	\$30 - \$70
Realty Specialists			\$20 - \$70
ntern	Engineering Intern	Joseph Lynch	\$8.25 - \$20

Rev. 6/2016

Contract No.:	I-17- 4 303	Consultant:	Christopher B. Burke Engineering, Ltd.
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Date: 10/1/2017

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
		Peter O'Neill	
		Abigail Peterson	
		Jacob Speelman	
		Christopher Troiani	
	Surveying Intern	TBD	
Admin/Clerical	Administrative	Paula Bassett	\$8.25 - \$40
		Julie Cahill	
		Heidi Cothard	
		Mercy Lamourt	
		Sharon Lennstrom	
		Kimberly Rocha	
		Mary Veit	

Consultant:

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

- A. VEHICLE REIMBURSEMENT rate based on link below http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx
- B. ALLOWABLE DIRECT COSTS based on link below

 http://www.illinoistollway.com/documents/10157/2389762/12 LG T

 OLLWAY XX ALLOWABLEDIRECTCOSTS 10012013.PDF
- C. ITEMIZED DIRECT COSTS For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:

DIRECT COST CATEGORY

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)

	<u> </u>	XHIBIT E - KEY PROJECT PERSONNEL
Project Princip	al:	Michael Kerr, PE
Project Manager:		Jason Souden, PE
Project Drainaç	ge Engineer:	Jonathon O'Connell, PE
Drainage Engir	neer:	Ilene Dailey, PE
Drainage Engir	neer:	
Drainage Engir	neer:	
Environmental:		Jedd Anderson, PWS, CWS, SPESC
Erosion Contro	ol:	
Landscape:		
•	Name	Jaka Camaa
Others:	Name: Classification:	John Caruso QMP Lighting/ITS
	Glassification.	QIVIF Lighting/113
	Name:	
	Classification:	
	Name:	
	Classification:	
	Name:	
	Classification:	

Consultant: Christopher B. Burke Engineering, Ltd.

Contract No.: I-17-4303

EXHIBIT F

Contract No. I-17-4303 Christopher B. Burke Engineering, Ltd. SCOPE OF SERVICES

Design Contract Supplemental Items:

Tasks within the Phase II Design services have resulted in changes in the character or complexity of the scope of work, and include items listed below.

Advanced Engineering Studies (AES): Original budget and scope was developed based on availability of AES documents containing engineering designs, drawings, CADD files, calculations, and other documents developed to a 30% completion level, and included efforts for review and verification of the AES documents. The Project schedule change resulted in partially completed AES documents being transferred to the BBACBE team for direct development into Phase II construction documents. This change added additional effort for the BBACBE team to complete development of partially completed AES design concepts, investigate Contract Package alternatives and related maintenance of traffic concepts. This work needs to be done expeditiously to meet the design schedule.

<u>Bridge Deck Replacements</u>: Original budget included patching and overlay work on two of the three bridge decks over Irving Park Road and both bridge decks over Lawrence Avenue. These bridge decks now consist of full deck replacements for design development. This task was not known at the time the original contract was negotiated and must be performed expeditiously to meet the design schedule.

Alternate 8R vs. Alternate 9R: Original budget was developed based on improvements shown within the Phase I Alternate 8R. Subsequently, a new Phase I Alternate 9R was developed and selected as the preferred alternate. This Alternate 9R includes additional improvements requiring additional design effort for roadway, structures (retaining walls), drainage, collector-distributor (C-D) roadway system for southbound between Plaza 33 and the O'Hare Oasis, and lane and ramp modifications in the northbound direction. Alternate 9R design concept was memorialized by the Phase I DSE and did not include 30% level AES design documents. Verifying and developing the 9R Alternative concept details will be performed by the BBACBE team.

<u>Median Flex Lane</u>: After the 60% submittal under this contract, direction was received to meet modified flex lane criteria, requiring additional drainage and roadway design efforts.

<u>Median Reconstruction</u>: Original budget was developed based on patching and rehabilitation of the median. Construction scope for the median now consists of complete reconstruction, requiring additional design and detailing efforts.

<u>ITS</u>: Original budget was limited to effort to draft details and locations developed by others under a separate corridor-wide ITS contract. Due to schedule acceleration it was determined that the corridor-wide ITS contract would not be available for expedited use, requiring additional efforts under our contract to design and detail ITS elements and infrastructure within our section. These additional efforts are required for multiple ITS systems, including:

- a. <u>Temporary</u>: relocation of the Illinois Tollway fiber optic duct-bank and the Illinois Tollway "Overbuild" fiber optic duct-bank to ensure uninterrupted functionality through both 2018 and 2019 construction contracts.
- b. <u>Permanent</u>: renewal of ITS equipment infrastructure and ITS backbone duct-bank throughout section limits.
- c. <u>ATM</u>: layout and design of foundation locations for Automated Traffic Management (ATM) structures, including coordinating locations with proposed and existing Overhead Sign Structures (OHSS).

<u>Plaza 33 Modifications</u>: Original budget included no work on Plaza 33. Through the course of design development, modifications to Plaza 33 became necessary to accommodate a 5th southbound lane through the Plaza 33 Open Road Tolling (ORT) infrastructure. Additional efforts include extension and modification of camera, antenna support systems and Violation Enforcement System, additional axle detector loops, and the creation of a service roadway allowing vehicular access to ORT equipment cabinets from the cash-lane side of the Plaza.

<u>Lighting Photometrics</u>: Original budget was based on lighting photometric calculations being performed by others under a separate corridor-wide contract. Due to schedule acceleration it is necessary for photometric calculations for both temporary lighting and permanent lighting to be performed under this contract.

<u>Balmoral Bridge Repairs</u>: During inspection of the Balmoral Bridge new impact damage was discovered on one of the beams requiring repair plans under our contract.

<u>Overhead Sign Structure Layout</u>: Original budget was based on corridor-wide determination of OHSS locations by others. Due to schedule acceleration, development of these locations was moved into this contract, including removal of bridge mounted signs at Balmoral Avenue.

Geotechnical: Additional OHSS and ATM locations require additional geotechnical borings.

Retaining Wall Impacts: The Tollway Design Memorandum 18-02 released on May 25, 2018 increases shoulder widths along retaining walls. This will need to be incorporated accordingly. The Alternative 9R also includes two additional retaining walls not included in the original scope of work.

<u>Plats & Legal Descriptions</u>: Original budget included preparation of Right of Way (ROW) documents for all acquisitions planned within our section. Due to schedule acceleration, direction was received that ROW documents started under the Phase I contract would be completed by Phase I instead of our contract. This is a credit to the contract.

EXHIBIT G

Contract No. I-17-4303

Christopher B. Burke Engineering, Ltd.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
Prime				
RR-11-4032	Environmental Services Upon Request	\$5,000,000.00	\$15,000.00	5/1/2018
	Tri -State Tollway 95th St - Blamoral Ave Planning Studies Upon Request	\$5,000,000.00	\$5,000,000.00	06/31/23
Sub				
I-11-4014	Elgin O'Hare ByPass	\$498,140.00	\$229,622.00	5/31/2018
	Sub to CH2M Hill			
I-12-4080	Illinois 53 Extension	\$800,000.00	\$0.00	4/1/2019
	Sub to Transystems			
RR-14-4221	Tri State Tollway- Mile Long Bridge	\$1,326,200.00	\$312,557.00	3/1/2020
	Sub to Locher, HDR, Quiggg			
RR-14-4222	Tri State Tollway-BNSF Rail	\$1,038,371.00	\$205,931.00	8/31/2019
	Sub to Bowman Barrett			
I-15-4656	EOWA I-294 to I-290 Trio	\$2,392,203.00	\$835,653.00	5/31/2019
	Sub Benesch/CBBEL/Lin JV			
I-14-4190	I-90	JV=9,499,523		7/31/2017
	BCP Tollway Partners JV	CBBEL=2,151971.36	\$0.00	
I-18-4383	Tri State Wolf to Balmoral	\$5,000.00	\$5,000.00	2/1/2018
	Sub to Lochner			
IDOT				
P-91-004-09	Various Saftey Assessments	\$600,000.00	\$40,000.00	1/28/2018
P-91-007-09	IL 47 doe US 14 to Charles Road Sub to Strand	\$468,980.00	\$88,000.00	3/1/2017
P-91-388-10	US 45 (form IL 132 to IL 173)	\$1,655,172.00	\$7,000.00	4/30/2018

EXHIBIT G

Contract No. I-17-4303

Christopher B. Burke Engineering, Ltd.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
P-91-597-10	I-290West of US 12/20/45	\$1,489,117.00	\$54,000.00	12/1/2017
	Sub to Parsons Brinckerhoff			
P-91-762-10	I-55 from I-355 to I-94 -Sub to Stantec	2,017,733.00	500,000.00	11/23/2018
C-91-75-13	Construction Inspection at I-90 and Cumberland	2,091,291.00	187,000.00	11/01/15
D-91-01-14	Il 47 form US 14 to South of IL 176 Phase II Sub to Strand	244,927.00	134,000.00	04/22/19
D-91-467-14	FAU 2857 Wood Street from North of Little Calumet River to South of US6	229,168.00	30,000.00	12/01/16
	Sub to Infrastructure			
P-91-119-14	Various Phase I Contracts	1,200,000.00	349,000.00	02/01/19
D-60-031-15	Various Scat Projects	400,000.00	23,000.00	03/01/17
P-91-224-16	Various Phase I Contracts	1,200,000.00	700,000.00	08/30/19
D-60-031-18	Various Scat Projects	300,000.00	207,000.00	11/01/20
P-91-014-18	Phase I IL 53 from IL 62 to US 12 Sub to RS & H	Still in Negotiations	Still in Negotiations	
P-91-05-18	Interstate 90 from Interstarte 94 to S of Ohio Sub to Lochner	Still in Negotiations	Still in Negotiations	
City of Chicago	Various Contracts	40,000,000.00	8,000.00	Various
All Other Work	Various Contracts	43,334,000.00	•	Various
Public & Privat	re e			

Contract No.	

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Christopher B. Burke Engineering, Ltd.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

			6				
Direct Labor				Direct Labor			
Direct Costs		***************************************		Direct Costs	\$	-	
Services by Others		<u></u>		Services by Others	\$	-	
Additional Services **				Additional Services **	\$	<u> </u>	
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 **	\$	<u> </u>	
Total this Subconsultant (ULC)		\$		Total this Subconsultant (ULC)		\$	
			8				
Direct Labor			_	Direct Labor			
Direct Costs	\$	<u>-</u>		Direct Costs	\$	<u>-</u>	
Services by Others	\$			Services by Others	\$		
Additional Services **	\$	<u>-</u>		Additional Services **	\$	-	
Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$	
			9				
Direct Labor			-	Direct Labor			
Direct Costs	\$	<u>- </u>		Direct Costs	\$		
Services by Others	\$			Services by Others	\$		
Additional Services **	\$	<u>-</u>		Additional Services **	\$		
Total this Subconsultant (ULC)		\$		Total this Subconsultant (ULC)		\$	
			10				
Direct Labor				Direct Labor			
Direct Costs	\$			Direct Costs	\$ -	-	
Services by Others	\$	<u>-</u>		Services by Others	\$	-	
Additional Services **	\$			Additional Services **			
Total this Subconsultant (ULC)		\$		Total this Subconsultant (ULC)			

EXHIBIT "1"

TOTAL Allowable Fee DBE/MBE/WBE Subconsultants: _ \$ ____

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

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

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г				14	v.

-	-	40	^-		
-1	7-	43	UJ	•	

Consultant:	Christopher B.	Burke Engineering, Ltd.

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

1			_		6			_	
	Direct Labor		_			Direct Labor		_	
	Direct Costs	***	_			Direct Costs	\$ -	_	
	Services by Others		····			Services by Others	_\$		
	Additional Services **		_			Additional Services **	\$ -		
	Total this Subconsultant (ULC)		\$			Total this Subconsultant (ULC)		\$	
2 _			_		7				
	Direct Labor		_			Direct Labor	\$ -	_	
	Direct Costs					Direct Costs	\$ -		
	Services by Others		••••			Services by Others	\$	••••	
	Additional Services **		_			Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$	-		Total this Subconsultant (ULC)		\$	-
3					8				
	Direct Labor	\$ -	_			Direct Labor	\$ -	- 	
	Direct Costs	\$ -				Direct Costs	\$ -		
	Services by Others	\$ -				Services by Others	\$ -		
	Additional Services **	\$ -				Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$			Total this Subconsultant (ULC)		\$	-
4					9				
	Direct Labor	\$ -	····			Direct Labor	\$ -		
	Direct Costs	\$ -				Direct Costs	\$ -	-	
	Services by Others	\$ -	_			Services by Others	\$ -	_	
	Additional Services **	\$ -	_			Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$	<u>-</u>		Total this Subconsultant (ULC)		\$	· .
5					10				
	Direct Labor	\$ -	_			Direct Labor	\$ -	_	
	Direct Costs	<u> </u>	••••			Direct Costs	\$ -		
	Services by Others	\$ -				Services by Others	<u> </u>		
	Additional Services **	\$ -	_			Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$	-		Total this Subconsultant (ULC)		\$	<u>.</u>
Additio	nal services funds require prior author	ization before use	•			TOTAL Non-DBE/MBE/M	VBE Subconsultants	:_\$	
				TOTA	Al Additio	nal Services Non-DBE/MBE/V	/RF Subconsultants	. •	_
				.077	/	Joi fides Holl-DDL/MDE/	Gabconsultants	· <u> </u>	

Additional services lunus	require prior	authorization before	use

TOTAL Non-DBE/MBE/WBE Subconsultants:	\$	-
TOTAL Additional Services Non-DBE/MBE/WBE Subconsultants:	\$	
TOTAL Allowable Fee Non DRE/MRE/MRE Subconcultante:	•	

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name:	American Surveying & Engineering, P.C.	_
Contract Number:	I-17-4303	
Proposal Date:	10/1/2018	_
Exhibit Pointers	Editable cells in each exhibit are underlined in red	

Notes and guidance for each exhibit are on the right of the exhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number:	1-17-	1-17-4303				င်္ဝ	Consultant:		American	American Surveying & Engineering, P.C.	3 & Engine	eering, P.(ı,
				EXHIE	EXHIBIT A: ESTIMATED TASK WORK HOURS	TIMATE) TASK (NORK H	ours				
									219	Grand Total Exhibit A Hours	Exhibit A	A Hours	
					Σ	MONTHS of YEAR 2018	of YEAR	2018					TOT HOUI
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Phase II										258	258	258	
											-		
												-	
												•	
			-										
TOTALS										258	258	258	
													l

EXHIBIT A: ESTIMATED TASK WORK HOURS

Contract No.:	I-17-4303	Consulta	nt:	American Surveying & E	ngineering	P.C.
	EXH	IBIT B: FEE (CALCULAT	<u>IONS</u>		
A. DIRECT LABO	PR (without overtime)					
	774.00 (Total Work Hours from Exhibit C-2)	X \$ 38 (Average Ho Rate from Ex C-2)	ourly	TOTAL DIRECT SALARY	\$	29,520.36
	tiplier to be used on this projec Allowable Multiplier = (2.8 DSE)		5 PMO)			2.80
	DIRECT	REGULAR S	SALARY TI	MES MULTIPLIER	\$	82,657.01
	BLE DIRECT COSTS No r Prime Consultant listed above		FOR PRO	TOTAL DIRECT COSTS		
C. SERVICES BY	OTHERS					
Tot	al Allowable Fee DBE/MBE/WB	E Subconsultant (from Exhibit H)_\$	-	
Total Allowabi	e Fee Non-DBE/MBE/WBE Sub	consultant (from E	xhibit H (cont))_\$ -	-	
			тот	AL SERVICES BY OTHERS	\$	
	SERVICES (Prime Consulta		(Requires pri	or authorization before use)		
ADDITIONAL	SERVICES (Subconsultants	5)	(Requires pri	or authorization before use)	•	
				AL ADDITIONAL SERVICES or authorization before use)		
E. MAXIMUM ALI	LOWABLE FEE (Upper Li	imit of Compensat	ion)		\$	82,657.01

EXHIBIT C-1: PA	EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE	SCALATION TABLE	
CONTRACT TERM:	8	No. OF MONTHS	
SCHEDULED START DATE:	10/1/2018		
RAISE DATE:	10/1/2018		
PERCENT OF RAISE:	%0		
ESCALATI	ESCALATION PER YEAR Year 1 through 5	ırough 5	
10/1/2018 - 12/31/2018		ı	1
Date Date	Date Date	Date Date	Date Date
3.0	3.0	3.0	3.0
100.00%	Foodletion Footlet Third Deciral	Foodstion Foots Fourth Design	Ennalation Endare Eith Daind
calation ractor second renod	Escalation ractor mild renod	Escalation ractor routh retion	Escalation ractor ritin renod
ESCALATION	ESCALATION PER YEAR Year 6 through 10	rough 10	
1	ı	1	1
Date Date	Date Date	Date Date	Date Date
3.0	3.0	3.0	3.0
alation Factor Seventh Period	Escalation Factor Eightt Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period
The escalation factor for this project is:	100.00%		
	Date Date 3.0 Escalation Factor Seventh Period This project is:	ate Date Date Date 3.0 3.0 Accordance Severith Period Escalation Factor Eighth Factor Eighth Period Escalation Factor Eighth Factor	Date Date Date 3.0 Sacietation Factor Eighth Period Escalation Factor Ninth

Contract No.:	1-17-4303			Consultant:	Am	erican Surveying	American Surveying & Engineering, P.C.	U
Date:	10/1/2018			Escala	Escalation Factor:	100.00%		
						(From Exhibit C-1)		
	EXHIBIT C-2: DIRECT LABOR	BOR CLASSIFICATION MAN-HOURS AND RATES	TION MAN-H	OURS AND	RATES		DIRECT COST OVERTIME PREMIUM	COST
					Total Estimated Work Hours:	774.00	Total Estimated O/T Hours:	
					Average Hourly Rate:	\$38.14	Average Premium O/T Hourly Rate:	
					Total Direct Labor_	\$29,520.36	Total Overtime Premium:	
Classification Eligible for Permium	Tollaceification	Tollway MINIMUM Hourly Rate for	Tollway MAXIMUM Hourly Rate for	Average Hourly Rate for Classification (See Note A to	Average Average Hourly Rate Hourly Rate for Classification Classification (See Note A to (See Note B to	Estimated Work Hours (Including	Escalated Average Premium Overtime Hourly Rate (See To	Estimated Overtime Hours (Overtime Hours Only) (See Dto Biotht)
o _N	Principal	\$50.00	\$70.00		faußin.	(2)	(aug	(might
No	Project Manager	\$40.00	\$70.00	\$67.51	\$67.51	50.00		
No	Senior Engineer/Planner	\$40.00	\$70.00	\$65.38	\$65.38	80.00		
ON O	Resident Engineer	\$40.00	\$70.00			- Anna Caracina (Anna		
No	Project Engineer/Planner□	\$25.00	\$60.00	\$54.59	\$54.59	85.00		
No	Staff Engineer/Planner	\$20.00	\$40.00	\$35.00	\$35.00	107.00		***************************************
No	Engineer /Accountant	\$20.00	\$60.00					
No	Senior Technical Specialist	\$25.00	\$60.00	\$35.00	\$35.00	200.00		
No	Technical Specialist	\$15.00	\$50.00	\$22.41	\$22.41	212.00		
No	Architect	\$30.00	\$70.00					
N _O	Realty Specialists	\$20.00	\$70.00					
N _O	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00	\$19.50	\$19.50	40.00		

Contract No.:	I-17-4303	Consultant:	American Surveying & Engineering, P.C.

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal			\$50 - \$70
Project Manager	PROJECT MANAGER	COVENTINE FIDIS	\$40 - \$70
	PROJECT MANAGER	MARK M. WOOD	
	PROJECT MANAGER	STEVEN M. RIENKS	
	PROJECT MANAGER	JAY P. HOWELL	
	PROJECT MANAGER	JOHN A. DYBAS III	
	PROJECT MANAGER	LARRY D. MARTIN	
Senior Engineer/Planner	PROJECT SURVEYOR/ENG IV	PAUL F. STANTON	\$40 - \$70
	PROJECT SURVEYOR/ENG IV	CRAIG L. DUY	
	PROJECT SURVEYOR/ENG III	THOMAS A. SANDERSON	
Resident Engineer			\$40 - \$70
Project Engineer/Planner□	PROJECT SURVEYOR/ENG III	ERIC J. SLADEK	\$25 - \$60
	PROJECT SURVEYOR/ENG I	ROBERT MICHAEL BACHARA	
Staff Engineer/Planner	PROJECT SURVEYOR/ENG II	ROBERT S. SAXER	\$20 - \$40
Engineer /Accountant			\$20 - \$60
Senior Technical Specialist	CADD TECHNICIAN	CRAIG A. HILLS	\$25 - \$60
	CADD TECHNICIAN	WILLIAM BARAN	
	CADD TECHNICIAN	BRANNDON D. ELSBREE	
	CADD TECHNICIAN	JESSE J. NOCON	
	CADD TECHNICIAN	AMANDA J. JOHNSON	
·····	CADD TECHNICIAN	JOSEPH B. MAGNOTTA	
	ENGINEER/SURVEY TECH III	THOMAS H. HOYLE	
	ENGINEER/SURVEY TECH III	DARYL F. EDWARDS	
	ENGINEER/SURVEY TECH III	GUSTAVO ALEX AGUILAR	
	ENGINEER/SURVEY TECH III	KRISTOPHER M. MCALLISTER	
	ENGINEER/SURVEY TECH III	JEFFREY F. MUMMERT	
Technical Specialist	ENGINEER/SURVEY TECH II	GARY R. BRANDT	\$15 - \$50
	ENGINEER/SURVEY TECH II	BRADLY J. DUFFY	
	ENGINEER/SURVEY TECH II	LAWRENCE T. DEMANCHE	
	ENGINEER/SURVEY TECH II	ROBERTO ASCENCIO	
	ENGINEER/SURVEY TECH I	DAVID W. CISKOWSKI	

Contract No.:	I-17-4303	Consultant:	American Surveying & Engineering, P.C.

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
	ENGINEER/SURVEY TECH I	ANDREW T. BROWN	
	ENGINEER/SURVEY TECH I	JARED W. MILLS	
Architect			\$30 - \$70
Realty Specialists			\$20 - \$70
Intern			\$8.25 - \$20
Admin/Clerical	ADMINISTRATIVE/CLERICAL III	LINDSEY JO STUTZKE-JONES	\$8.25 - \$40
, "			
,	77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

Rev. 6/2016

Contract N	No.:	I-17-4303		_Consultant:	American Surveyin P.0	
				EXHIBIT D		
		REIMBURSABL	E DIRECT	COSTS - WOR	KSHEET ESTIMATES	
Α.		IICLE REIMBURSE //www2.illinois.gov/c			elow ravelReimbursement.aspx	
B.	https	OWABLE DIRECT (s://www.illinoistollwa	y.com/docu	<u> </u>	73/LG TOL	
C.	Allo	MIZED DIRECT COS wable Direct Costs n the Chief Enginee	list, writte	en permission mu	st be received	
	DIR	ECT COST CATEG	ORY			
	, 124 (14 (14 (14 (14 (14 (14 (14 (14 (14 (1					
·						
·	······					

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)

ALLOWABLE DIRECT COSTS

09.12.2018

Effective for contracts awarded on or after August 1, 2018_7 the following costs are allowable when requested by the Tollway 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 (per GOVERNOR'S TRAVEL CONTROL BOARD)
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)

Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)

Air Fare

Vehicles

Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)

Vehicle Rental (including tolls)

Vehicle Owned or Leased (does not include

personal vehicles, not owned by the company) (includes tolls)

Parking

Tolls (Personal Vehicles only)

Overtime

Shift Differential

Overnight Delivery/Postage Courier Service

Copies of Deliverables

Specific Insurance – required for project

CADD

Monuments - Permanent

Advertisements

2-way Radio

Telephone Usage

Web Site

Facility Rental for Public Meetings & Exhibits/Rendering

& AV Equipment/Transcriptions

Recording Fees

Courthouse Fees

Testing of Soil Samples

Lab Services (excluding Phase III normal construction

inspection such as beam breaks, cylinder breaks,

pavement cores)

Equipment rental specific for project (snooper for bridge

inspection, noise meter, etc.)

Specialized equipment - on an as needed basis with prior

approval

Traffic Systems

Storm sewer cleaning and televising

Traffic control and protection

Aerial photography, mapping and drone usage

Utility exploratory trenching

Up to State rate maximum

Actual cost (up to State rate maximum)

Actual cost

Coach Rate with 2 weeks advance purchase with

ISTHA approval

Up to State rate maximum

Actual cost up to \$55/day

\$65/full day, \$32.50/half day (4 hours or less)

Actual Cost

Actual Cost

Premium portion

Actual cost (based on firm's policy)

Actual Cost

Actual Cost

Actual Cost

Actual Costs (Maximum of \$450.00/Mo)

Actual Cost

Actual Cost

Actual cost (Survey or Phase III only)

Actual Cost (Traffic System Monitoring Only)

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

.....

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

Actual Cost

ALLOWABLE DIRECT COSTS

- *website for State Reimbursement Rates_ http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx
- On all agreements authorization after January 1, 2005, GPS Equipment is considered a "tool of the trade."

ALLOWABLE DIRECT COSTS

The number of days will be calculated as follows for extended stay **- Weekly (vehicle and hotel) – Number of days on job site plus one day to travel to and from job site per week.

**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 Tollway project manager.

NOTES:

• For CM 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 CM Manual allowance.

EXHIBIT E - KEY PROJECT PERSONNEL Project Principal: Project Manager:	
Project Manager:	
Project Engineer:	
Resident Engineer:	
Documentation Engineer:	
Project Civil Engineer:	
Project Structural Engineer:	
Project Drainage Engineer:	
Senior Engineer:	
Others: Name: Mark M. Wood, PLS	
Classification: ALTA.ROW	
Name: Thomas A. Sanderson, PE	
Classification: SUBSURFACE UTILITY	
Olassingation. OCDOSKI / KOE OTIETT	
Name:	
Classification:	
Name:	
Classification:	

APPENDIX TO EXHIBIT F

Contract No. I-17-4303

American Surveying & Engineering, P.C.

SCOPE OF SERIVICES

Each firm will be bound to the Tollway's Exhibit F Scope of Work as prepared by the Tollway. Each firm will perform only work they are qualified to perform to the professional Standard of Care level required by the Tollway. Work tasks will be assigned by the combined management team consisting of Bowman, Barrett & Associates Inc. and Christopher B. Burke Engineering, Ltd., as required to meet the expectations of the Tollway for this project.

EXHIBIT F Contract No. I-17-4303 BBACBE_TM SCOPE OF SERVICES

Design Contract Supplemental Items:

Tasks within the Phase II Design services have resulted in changes in the character or complexity of the scope of work, and include items listed below.

Advanced Engineering Studies (AES): Original budget and scope was developed based on availability of AES documents containing engineering designs, drawings, CADD files, calculations, and other documents developed to a 30% completion level, and included efforts for review and verification of the AES documents. The Project schedule change resulted in partially completed AES documents being transferred to the BBACBE team for direct development into Phase II construction documents. This change added additional effort for the BBACBE team to complete development of partially completed AES design concepts, investigate Contract Package alternatives and related maintenance of traffic concepts. This work needs to be done expeditiously to meet the design schedule.

<u>Bridge Deck Replacements</u>: Original budget included patching and overlay work on two of the three bridge decks over Irving Park Road and both bridge decks over Lawrence Avenue. These bridge decks now consist of full deck replacements for design development. This task was not known at the time the original contract was negotiated and must be performed expeditiously to meet the design schedule.

Alternate 8R vs. Alternate 9R: Original budget was developed based on improvements shown within the Phase I Alternate 8R. Subsequently, a new Phase I Alternate 9R was developed and selected as the preferred alternate. This Alternate 9R includes additional improvements requiring additional design effort for roadway, structures (retaining walls), drainage, collector-distributor (C-D) roadway system for southbound between Plaza 33 and the O'Hare Oasis, and lane and ramp modifications in the northbound direction. Alternate 9R design concept was memorialized by the Phase I DSE and did not include 30% level AES design documents. Verifying and developing the 9R Alternative concept details will be performed by the BBACBE team.

<u>Median Flex Lane</u>: After the 60% submittal under this contract, direction was received to meet modified flex lane criteria, requiring additional drainage and roadway design efforts.

<u>Median Reconstruction</u>: Original budget was developed based on patching and rehabilitation of the median. Construction scope for the median now consists of complete reconstruction, requiring additional design and detailing efforts.

<u>ITS</u>: Original budget was limited to effort to draft details and locations developed by others under a separate corridor-wide ITS contract. Due to schedule acceleration it was determined that the corridor-wide ITS contract would not be available for expedited use, requiring additional efforts under our contract to design and detail ITS elements and infrastructure within our section. These additional efforts are required for multiple ITS systems, including:

- a. <u>Temporary</u>: relocation of the Illinois Tollway fiber optic duct-bank and the Illinois Tollway "Overbuild" fiber optic duct-bank to ensure uninterrupted functionality through both 2018 and 2019 construction contracts.
- b. <u>Permanent</u>: renewal of ITS equipment infrastructure and ITS backbone duct-bank throughout section limits.
- c. <u>ATM</u>: layout and design of foundation locations for Automated Traffic Management (ATM) structures, including coordinating locations with proposed and existing Overhead Sign Structures (OHSS).

<u>Plaza 33 Modifications</u>: Original budget included no work on Plaza 33. Through the course of design development, modifications to Plaza 33 became necessary to accommodate a 5th southbound lane through the Plaza 33 Open Road Tolling (ORT) infrastructure. Additional efforts include extension and modification of camera, antenna support systems and Violation Enforcement System, additional axle detector loops, and the creation of a service roadway allowing vehicular access to ORT equipment cabinets from the cash-lane side of the Plaza.

<u>Lighting Photometrics</u>: Original budget was based on lighting photometric calculations being performed by others under a separate corridor-wide contract. Due to schedule acceleration it is necessary for photometric calculations for both temporary lighting and permanent lighting to be performed under this contract.

<u>Balmoral Bridge Repairs</u>: During inspection of the Balmoral Bridge new impact damage was discovered on one of the beams requiring repair plans under our contract.

<u>Overhead Sign Structure Layout</u>: Original budget was based on corridor-wide determination of OHSS locations by others. Due to schedule acceleration, development of these locations was moved into this contract, including removal of bridge mounted signs at Balmoral Avenue.

Geotechnical: Additional OHSS and ATM locations require additional geotechnical borings.

<u>Retaining Wall Impacts</u>: The Tollway Design Memorandum 18-02 released on May 25, 2018 increases shoulder widths along retaining walls. This will need to be incorporated accordingly. The Alternative 9R also includes two additional retaining walls not included in the original scope of work.

<u>Plats & Legal Descriptions</u>: Original budget included preparation of Right of Way (ROW) documents for all acquisitions planned within our section. Due to schedule acceleration, direction was received that ROW documents started under the Phase I contract would be completed by Phase I instead of our contract. This is a credit to the contract.

EXHIBIT G

Contract No. I-17-4303

American Surveying & Engineering, P.C.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
P-98-080-17	Various Locations ASE #117105	\$300,000.00	\$210,366.35	TBD
RR-16-9396	Aerial Mapping Upon Request ASE #217100	\$105,000.00	\$87,263.54	TBD
I-17-4681	Elgin O'Hare ASE #217099	TBD	TBD	TBD
I-17-4295	I-55 Ramps to Ogden Ave. ASE #217097	\$750,000.00	\$548,382.20	TBD
I-17-4297	75th St. to I-55 Ramps ASE #217096	\$512,825.79	\$309,648.72	10/31/2026
I-17-4296	95th St. to LaGrange Rd. ASE #217095	\$263,463.50	\$160,429.93	TBD
RR-15-99-75RF	RTollway Systemwide GEC ASE #217066	\$739,425.39	\$567,853.55	12/31/2019
RR-16-4265	Central Tri-State Design ASE #217038	\$989,805.00	\$573,312.09	4/14/2027
I-16-4266	IL-53 EIS ASE #216065	\$750,000.00	\$641,729.74	6/30/2019
I-15-4659	Wight - Phase II and Phase III ASE #215192	\$65,000.00	\$31,400.45	3/31/2019
I-15-4657	AMEC TY LIN EOWA I-294 ASE #515188	\$849,154.00	\$803,463.37	12/31/2021
P-91-001-16	IDOT Survey Various/Various ASE #215163	\$499,987.74	\$193,683.23	12/7/2025
P-94-008-14	IDOT Survey Various/Various ASE #114053	\$300,000.00	\$160,929.08	10/31/2024
RR-14-4181	Fiber Optic Maintenance #214009.2	\$1,900,000.00	\$262,699.66	4/15/2019
RR-14-4181	Fiber Optic Maintenance ASE #214009	\$425,000.00	\$38,563.31	4/15/2019
. I-13-4623	Elgin O'Hare Western Access, I-290 to IL 83 Advance Work Contracts ASE #214003	\$144,876.45	\$54,082.98	3/27/2022
I-13-4119	I-88 Photo control: I-39 to Sterling, IL ASE #213056	\$105,000.00	\$15,245.03	TBD
D-91-317-13	Various Locations ASE #213070	\$300,000.00	\$87,650.01	9/30/2023
P-92-099-11	Various Survey Projects, Various Routes, Various Counties, Region Two/District Two ASE #111077	\$350,000.00	\$19,817.50	10/31/2021
I-11-4014	Elgin O'Hare Western Bypass Tollway, Design Corridor Management ASE #211098	\$8,162,850.20	\$854,262.51	TBD
P-93-011-10	Various Locations ASE #210007	\$300,000.00	\$118,248.63	5/1/2019

EXHIBIT G

Contract No. I-17-4303

American Surveying & Engineering, P.C.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
P-98-080-17	Various Locations ASE #117105	\$300,000.00	\$210,366.35	TBD
RR-16-9396	Aerial Mapping Upon Request ASE #217100	\$105,000.00	\$87,263.54	TBD
I-17-4681	Elgin O'Hare ASE #217099	TBD	TBD	TBD
I-17-4295	I-55 Ramps to Ogden Ave. ASE #217097	\$750,000.00	\$548,382.20	TBD
I-17-4297	75th St. to I-55 Ramps ASE #217096	\$512,825.79	\$309,648.72	10/31/2026
I-17-4296	95th St. to LaGrange Rd. ASE #217095	\$263,463.50	\$160,429.93	TBD
RR-15-99-75RF	RTollway Systemwide GEC ASE #217066	\$739,425.39	\$567,853.55	12/31/2019
RR-16-4265	Central Tri-State Design ASE #217038	\$989,805.00	\$573,312.09	4/14/2027
I-16-4266	IL-53 EIS ASE #216065	\$750,000.00	\$641,729.74	6/30/2019
I-15-4659	Wight - Phase II and Phase III ASE #215192	\$65,000.00	\$31,400.45	3/31/2019
I-15-4657	AMEC TY LIN EOWA I-294 ASE #515188	\$849,154.00	\$803,463.37	12/31/2021
P-91-001-16	IDOT Survey Various/Various ASE #215163	\$499,987.74	\$193,683.23	12/7/2025
P-94-008-14	IDOT Survey Various/Various ASE #114053	\$300,000.00	\$160,929.08	10/31/2024
RR-14-4181	Fiber Optic Maintenance #214009.2	\$1,900,000.00	\$262,699.66	4/15/2019
RR-14-4181	Fiber Optic Maintenance ASE #214009	\$425,000.00	\$38,563.31	4/15/2019
I-13-4623	Elgin O'Hare Western Access, I-290 to IL 83 Advance Work Contracts ASE #214003	\$144,876.45	\$54,082.98	3/27/2022
I-13-4119	I-88 Photo control: I-39 to Sterling, IL ASE #213056	\$105,000.00	\$15,245.03	TBD
D-91-317-13	Various Locations ASE #213070	\$300,000.00	\$87,650.01	9/30/2023
P-92-099-11	Various Survey Projects, Various Routes, Various Counties, Region Two/District Two ASE #111077	\$350,000.00	\$19,817.50	10/31/2021
I-11-4014	Elgin O'Hare Western Bypass Tollway, Design Corridor Management ASE #211098	\$8,162,850.20	\$854,262.51	TBD
P-93-011-10	Various Locations ASE #210007	\$300,000.00	\$118,248.63	5/1/2019

Contract No.:	I-17-4303	Consultant:	American Surveying & Engineering, P.C.
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EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must

					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)		\$	<u>- · · </u>		Total this Subconsultant (ULC)		\$
					10			••••
	Direct Labor					Direct Labor		
	Direct Costs	\$ -				Direct Costs	\$ -	Anne
	Services by Others	<u>\$</u> -	_			Services by Others	_\$ -	_
	Additional Services **	\$				Additional Services **	\$ -	_
	Total this Subconsultant (ULC)		\$			Total this Subconsultant (ULC)		\$
ııdı s	services funds require prior author	IIZAUON D e tore use				TOTAL DBE/MBE/WB		
					TOTAL A	dditional Services DBE/MBE/WB	E Subconsultants	: <u>\$</u>

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

-1	7-	43	03	3

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	SUBCONSUL	TANTS	(NOT	DBE	/MBE/WBE	Ξ)
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1			_	6			_	
	Direct Labor		_		Direct Labor		_	
	Direct Costs		_		Direct Costs	\$ -	_	
	Services by Others		_		Services by Others	\$ -	_	
	Additional Services **		_		Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$	
2				7				
	Direct Labor		_	'	Direct Labor	\$ -	-	
	Direct Costs		-		Direct Costs	\$ -	_	
	Services by Others				Services by Others	\$ -		
	Additional Services **		•		Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		- \$ -		Total this Subconsultant (ULC)		- \$	_
	, ,				, ,			
3			-	8			-	
	Direct Labor	\$ -	••		Direct Labor	\$ -	-	
	Direct Costs	\$ -			Direct Costs	\$ -		
	Services by Others	<u>\$</u>			Services by Others	\$		
	Additional Services **	_\$	-		Additional Services **	\$	-	
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$	
4			•••	9			···	
	Direct Labor	<u> </u>	***		Direct Labor	\$ -	_	
	Direct Costs	\$ -	·		Direct Costs	<u> </u>		
	Services by Others	\$ -	_		Services by Others	\$ -	_	
	Additional Services **	\$ -	_		Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$	
5				10				
	Direct Labor	\$ -	_		Direct Labor	\$ -	- -	
	Direct Costs	\$ -	•••		Direct Costs	\$ -		
	Services by Others	\$ -	•••		Services by Others	\$ -		
	Additional Services **	\$	_		Additional Services **	\$ -	_	
	Total this Subconsultant (ULC)		\$ -		Total this Subconsultant (ULC)		\$	
					TOTAL New DREMANCA	m= 0 .		
Audition	al services funds require prior author	ization Derore USE			TOTAL Non-DBE/MBE/V	voe aubconsuitants:	.	
			тот	AL Addition	onal Services Non-DBE/MBE/V	BE Subconsultants:	\$	
				TOTAL A	Mowable Fee Non-DBE/MBE/V	/BE Subconsultants:	: \$	-

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name:	Burns & McDonnell Engineering Co., Inc.	•
Contract Number:	I-17-4303	-
Proposal Date:	10/1/2018	-
Exhibit Pointers	Editable cells in each exhibit are underlined in red	-
	Notes and guidance for each exhibit are on the right of the e	xhibits in vellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

Contract Number:	1-17	I-17-4303				Con	Consultant:		Burns & ∧	AcDonnell	Burns & McDonnell Engineering Co., Inc.	ing Co., Ir	ن
				EXHIB	SIT A: ES	TIMATE	EXHIBIT A: ESTIMATED TASK WORK HOURS	VORK H	ours				
									Gra	and Total	Grand Total Exhibit A Hours	A Hours	350
													TOTAL
					Σ	ONTHS (MONTHS of YEAR 2018	2018					HOURS
TASK	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Phase II										110	110	110	330
Meetings / Coordination / Admin										2	7	9	20
			***************************************		***************************************	***************************************			***************************************	***************************************			

TOTALS										117	117	116	350

Contract No.:	I-17-4303	Consultant:	Burns & McDonnell Eng	ineering Co	o., Inc.
	<u>EXHI</u> I	BIT B: FEE CALCU	JLATIONS		
A. DIRECT LABO	PR (without overtime)				
	(Total Work Hours from Exhibit C-2)	\$ 49.00 (Average Hourly Rate from Exhibit C-2)	= TOTAL DIRECT SALARY	\$	17,150.00
	tiplier to be used on this project Allowable Multiplier = (2.8 DSE) (2.80
	DIRECT	REGULAR SALAF	RY TIMES MULTIPLIER	\$	48,020.00
	BLE DIRECT COSTS NO Prime Consultant listed above.		PROFIT		
			TOTAL DIRECT COSTS		
C. SERVICES BY	OTHERS				
Tot	al Allowable Fee DBE/MBE/WBE	Subconsultant (from Ex	hibit H) \$ -		
Total Allowabl	e Fee Non-DBE/MBE/WBE Subc	onsultant (from Exhibit H	(cont)) \$ -		
			TOTAL SERVICES BY OTHERS	\$	-
D. ADDITIONAL S	SERVICES (Prime Consultar	· -	res prior authorization before use)	•	
ADDITIONAL S	SERVICES (Subconsultants)		res prior authorization before use)		•
		(Poqui	TOTAL ADDITIONAL SERVICES res prior authorization before use)	\$	-
			res prior authorization before use)		
E. MAXIMUM ALI	LOWABLE FEE (Upper Lin	nit of Compensation)		\$	48,020.00

Burns & McDonnell Engineering Co., Inc.					Date	3.0	Escalation Factor Fifth Period			3.0	Escalation Factor Tenth Period	
		ESCALATION TABLE	No. OF MONTHS	through 5	Date	3.0	Escalation Factor Fourth Period	hrough 10	- Date Date	3.0	Escalation Factor Ninth Period	1
Consultant:		EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE	3 10/1/2018 10/1/2018 0%	ESCALATION PER YEAR Year 1 through 5	Date	3.0	Escalation Factor Third Period	ESCALATION PER YEAR Year 6 through 10	- Date Date	3.0	Escalation Factor Eighth Period	100.00%
4503	10/1/2018	EXHIBIT C-1. F	CONTRACT TERM: SCHEDULED START DATE: RAISE DATE: PERCENT OF RAISE:	ESCALA	10/1/2018 - 12/31/2018 Date Date	3.0	100.00% Escalation Factor Second Period	ESCALA	Date Date	3.0	Escalation Factor Seventh Period	escalation factor for this project is:
Contract No.: 1-17-4503	Date: 10/1/				10/1/2018 - Date	3.0	Factor First Period		Date Date	3.0	Escalation Factor Sixth Period	The escala

Contract No.:	1-17-4303			Consultant:	Bur	ns & McDonnell	Burns & McDonnell Engineering Co., Inc.	nc.
Date:	10/1/2018			Escala	Escalation Factor:	100.00% (From Exhibit C-1)		
	EXHIBIT C-2: DIRECT LABOR	BOR CLASSIFICATION MAN-HOURS AND RATES	TION MAN-H	HOURS AND	RATES		DIRECT COST OVERTIME PREMIUM	COST PREMIUM
					Total Estimated Work Hours:	350.00	Total Estimated O/T Hours:	
					Average Hourly Rate:	\$49.00	Average Premium O/T Hourly Rate:	
					Total Direct Labor	\$17,150.00	Total Overtime Premium:	
Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to Right)	Average Average Hourly Rate for Classification Classification (See Note A to (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to	Estimated Overtime Hours (Overtime Hours Only) (See Note D to
No	Principal	\$50.00	\$70.00					
S :	Project Manager	\$40.00	\$70.00	\$49.00	\$49.00	350.00		
No No	Senior Engineer/Planner Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner□	\$25.00	\$60.00					
ON I	Staff Engineer/Planner	\$20.00	\$40.00					
NO NO	Engineer / Accountant Senior Technical Specialist	\$20.00	\$60.00					
No	Technical Specialist	\$15.00	\$50.00					
No	Architect	\$30.00	\$70.00					
No	Realty Specialists	\$20.00	\$70.00					
No	Intern	\$8.25	\$20.00	Account of the second				
No	Admin/Clerical	\$8.25	\$40.00					

Contract No.:	I-17-4303
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Consultant: Burns & McDonnell Engineering Co., Inc.

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Department Manager	Eisenbeis, Kevin	\$50 - \$70
Project Manager	Project Manager - Level 15	Koylass, Gerry E. (Gerry)	\$40 - \$70
	Project Manager - Level 14	Papirnik, Matthew A.	
4	Project Manager - Level 17	McCay, Thomas A.	
	Project Manager - Level 14	Schumacher, Luke A. (Luke)	
Senior Engineer/Planner			\$40 - \$70
Resident Engineer			\$40 - \$70
Project Engineer/Planner			\$25 - \$60
Staff Engineer/Planner			\$20 - \$40
Engineer /Accountant			\$20 - \$60
Senior Technical Specialist			\$25 - \$60
Technical Specialist			\$15 - \$50
Architect			\$30 - \$70
Realty Specialists			\$20 - \$70
Intern			\$8.25 - \$20
Admin/Clerical			\$8.25 - \$40
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Contract N	lo.:	I-17-4303	Consultant:	Burns & McDonnell Engineering Co., Inc.
			EXHIBIT D	
		REIMBURSABLE DIR	RECT COSTS - WORKS	SHEET ESTIMATES
A.			- rate based on link belongloyees/travel/Pages/Tra	
В.	https		S - based on link below /documents/20184/238673 ECTCOSTS 12132013.PI	
C.	Allo	wable Direct Costs list, v	For any expense not inc written permission must or to its inclusion. List th	be received
	DIRE	ECT COST CATEGORY		

		18.94.4.1.		

			Note that the state of the stat	
			,	

		TOTAL DIRECT CO	OSTS (Vehicles Allowah	ale and Itemized)

Contract No.:	<u>I-17-4303</u>	Consultant: Burns & McDonnell Engineering Co., Inc.
	. <u>E</u>	EXHIBIT E - KEY PROJECT PERSONNEL
Project Princi	pal:	
Project Manaç	ger:	
Project Engine	eer:	
Resident Engi	ineer:	
Documentatio	n Engineer:	
Project Civil E	ingineer:	Matthew Papirnik, PE, PTOE, ENV SP
Project Struct	ural Engineer:	
Project Draina	nge Engineer:	
Senior Engine	er:	
Others:	Name:	Kevin Eisenbeis, PE, SE
	Classification:	QMP Structures
	Name:	
	Classification:	
	Name:	
	Classification:	
	Name:	
	Classification:	

APPENDIX TO EXHIBIT F

Contract No. I-17-4303

Burns & McDonnell Engineering Co., Inc.

SCOPE OF SERIVICES

Each firm will be bound to the Tollway's Exhibit F Scope of Work as prepared by the Tollway. Each firm will perform only work they are qualified to perform to the professional Standard of Care level required by the Tollway. Work tasks will be assigned by the combined management team consisting of Bowman, Barrett & Associates Inc. and Christopher B. Burke Engineering, Ltd., as required to meet the expectations of the Tollway for this project.

EXHIBIT F Contract No. I-17-4303 BBACBE_TM SCOPE OF SERVICES

Design Contract Supplemental Items:

Tasks within the Phase II Design services have resulted in changes in the character or complexity of the scope of work, and include items listed below.

Advanced Engineering Studies (AES): Original budget and scope was developed based on availability of AES documents containing engineering designs, drawings, CADD files, calculations, and other documents developed to a 30% completion level, and included efforts for review and verification of the AES documents. The Project schedule change resulted in partially completed AES documents being transferred to the BBACBE team for direct development into Phase II construction documents. This change added additional effort for the BBACBE team to complete development of partially completed AES design concepts, investigate Contract Package alternatives and related maintenance of traffic concepts. This work needs to be done expeditiously to meet the design schedule.

<u>Bridge Deck Replacements</u>: Original budget included patching and overlay work on two of the three bridge decks over Irving Park Road and both bridge decks over Lawrence Avenue. These bridge decks now consist of full deck replacements for design development. This task was not known at the time the original contract was negotiated and must be performed expeditiously to meet the design schedule.

Alternate 8R vs. Alternate 9R: Original budget was developed based on improvements shown within the Phase I Alternate 8R. Subsequently, a new Phase I Alternate 9R was developed and selected as the preferred alternate. This Alternate 9R includes additional improvements requiring additional design effort for roadway, structures (retaining walls), drainage, collector-distributor (C-D) roadway system for southbound between Plaza 33 and the O'Hare Oasis, and lane and ramp modifications in the northbound direction. Alternate 9R design concept was memorialized by the Phase I DSE and did not include 30% level AES design documents. Verifying and developing the 9R Alternative concept details will be performed by the BBACBE team.

<u>Median Flex Lane</u>: After the 60% submittal under this contract, direction was received to meet modified flex lane criteria, requiring additional drainage and roadway design efforts.

<u>Median Reconstruction</u>: Original budget was developed based on patching and rehabilitation of the median. Construction scope for the median now consists of complete reconstruction, requiring additional design and detailing efforts.

<u>ITS</u>: Original budget was limited to effort to draft details and locations developed by others under a separate corridor-wide ITS contract. Due to schedule acceleration it was determined that the corridor-wide ITS contract would not be available for expedited use, requiring additional efforts under our contract to design and detail ITS elements and infrastructure within our section. These additional efforts are required for multiple ITS systems, including:

- a. <u>Temporary</u>: relocation of the Illinois Tollway fiber optic duct-bank and the Illinois Tollway "Overbuild" fiber optic duct-bank to ensure uninterrupted functionality through both 2018 and 2019 construction contracts.
- b. <u>Permanent</u>: renewal of ITS equipment infrastructure and ITS backbone duct-bank throughout section limits.
- c. <u>ATM</u>: layout and design of foundation locations for Automated Traffic Management (ATM) structures, including coordinating locations with proposed and existing Overhead Sign Structures (OHSS).

<u>Plaza 33 Modifications</u>: Original budget included no work on Plaza 33. Through the course of design development, modifications to Plaza 33 became necessary to accommodate a 5th southbound lane through the Plaza 33 Open Road Tolling (ORT) infrastructure. Additional efforts include extension and modification of camera, antenna support systems and Violation Enforcement System, additional axle detector loops, and the creation of a service roadway allowing vehicular access to ORT equipment cabinets from the cash-lane side of the Plaza.

<u>Lighting Photometrics</u>: Original budget was based on lighting photometric calculations being performed by others under a separate corridor-wide contract. Due to schedule acceleration it is necessary for photometric calculations for both temporary lighting and permanent lighting to be performed under this contract.

<u>Balmoral Bridge Repairs</u>: During inspection of the Balmoral Bridge new impact damage was discovered on one of the beams requiring repair plans under our contract.

<u>Overhead Sign Structure Layout</u>: Original budget was based on corridor-wide determination of OHSS locations by others. Due to schedule acceleration, development of these locations was moved into this contract, including removal of bridge mounted signs at Balmoral Avenue.

Geotechnical: Additional OHSS and ATM locations require additional geotechnical borings.

Retaining Wall Impacts: The Tollway Design Memorandum 18-02 released on May 25, 2018 increases shoulder widths along retaining walls. This will need to be incorporated accordingly. The Alternative 9R also includes two additional retaining walls not included in the original scope of work.

<u>Plats & Legal Descriptions</u>: Original budget included preparation of Right of Way (ROW) documents for all acquisitions planned within our section. Due to schedule acceleration, direction was received that ROW documents started under the Phase I contract would be completed by Phase I instead of our contract. This is a credit to the contract.

EXHIBIT G

Contract No. I-17-4303

Burns & McDonnell Engineering Co., Inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	Work Scope & Description of Project		Fee (Including all Work Scope & Description of Project Supplementals and Extra Work Orders)		ee Remaining o Be Earned	Estimated Date of Completion
107.007	5: 44		4 000 400 05		200 000 00	11/30/2018
167-007	Rt. 14	\$	4,690,486.85	\$	300,000.00	40/04/0040
169-010	Various Phase I	\$	1,800,000.00	\$	10,000.00	12/31/2018
						12/31/2019
173-006	Various Phase I	\$	1,800,000.00	\$	250,000.00	
175.017	N : 5) ///		050 000 00		040.000.00	12/31/2019
175-017	Various Phase I/II	\$	850,000.00	\$	210,000.00	5/31/2019
179-011	I-280 Phase I/II	\$	342,050.00	\$	145,000.00	5/31/2019
						5/31/2019
183-005	Monroe	\$	1,817,912.03	\$	1,293,000.00	
						10/31/2018
185-008	Various Phase III	\$	100,000.00	\$	100,000.00	
						12/31/2018
D-3-102	Wash-Wab CTA Station	\$	3,340,332.03	\$	90,000.00	0/20/2010
E-6-149	Western Ave over Belmont Ave	\$	2,011,574.23	\$	5,000.00	9/30/2018
				Ť		12/31/2019
S-7-217	61st Street Master Plan	\$	71,000.00	\$	60,000.00	
						12/31/2018
I-14-4186	I-90 East of Oakton to East of Lee St.	\$	15,000,000.00	\$	69,000.00	
						9/30/2020
I-17-4678	Elgin O'Hare Western Access, Pratt to Touhy Av	\$	2,683,000.00	\$	1,700,000.00	
						9/30/2019
RR-16-4254	I-88 IL 56 to Annie Glidden	\$	3,758,000.00	\$	1,800,000.00	

Contract No.:	I-17-4303	Consultant:	Burns & McDonnell Engineering Co., Inc.

EXHIBIT H - SERVICES BY OTHERS

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

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

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Consultant:	Burns	ጲ	N
Consultant.	Duilis	Œ	

Burns & McDonnell Engineering Co., Inc.

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.

EXHIBIT H - SERVICES BY OTHERS (continued)

OTHER SUBCONSULTANTS (NOT DBE/MBE/WBE)

1 _			_	6			_
	Direct Labor	<u> </u>	_		Direct Labor		
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	Total this Subconsultant (ULC)		<u> </u>		Total this Subconsultant (ULC)		\$ -
Addition	nal services funds require prior author	ization before use			TOTAL Non-DBE/MBE/W	BE Subconsultants:	\$ -
			TOT	VI V44iti	onal Services Non-DBE/MBE/W	RE Subconsultants	•
			101				
				TOTAL A	Mon-DRE/MRE/M	RE Subconcultante.	•

Contract Information Sheet

Complete the following information and it will be populated on every exhibit.

Consultant Name:	Environmental Design International Inc.	
Contract Number:	I-17-4303	_
Proposal Date:	10/1/2018	-
Exhibit Pointers	Editable cells in each exhibit are underlined in red	
	Notes and guidance for each exhibit are on the right of the e	xhibits in yellow text boxes

A full set of instructions to complete the exhibits is available on the Tollway's website

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Environmental Design International inc.		Grand Total Exhibit A Hours			Oct	200												500	
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	EXHIBIT A: ESTIMATED TASK WORK H <u>ours</u>			2018	Aug														
Consultant:) TASK			MONTHS of YEAR 2018	Jul														
Cod	TIMATE			ONTHS (Jun														
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4303					Feb														
1-17-4303					Jan					-		-				-			
Contract Number:				•	TASK	Phase II									•			TOTALS	

EXHIBIT "1" Page **95** of **108**

Contract No.:	I-17-4303	Consultant:	Environmental Design I	nternatio	onal inc.
	EXHIB	IT B: FEE CALCUL	ATIONS		
A. DIRECT LABO	R (without overtime)				
	1,500.00 X (Total Work Hours from Exhibit C-2)	\$ 45.00 = (Average Hourly Rate from Exhibit C-2)	TOTAL DIRECT SALARY	\$	67,500.00
Multi	iplier to be used on this project:				2.80
A	llowable Multiplier = (2.8 DSE) (2.	.5 or 2.8 CM) (2.5 PMO)			
	DIRECT F	REGULAR SALARY	TIMES MULTIPLIER	\$	189,000.00
C. SERVICES BY	Prime Consultant listed above.) OTHERS		TOTAL DIRECT COSTS	— <u>, , , , , , , , , , , , , , , , , , ,</u>	
Tota	al Allowable Fee DBE/MBE/WBE S	Subconsultant (from Exhib	it H) \$		
Total Allowable	Fee Non-DBE/MBE/WBE Subcor	nsultant (from Exhibit H (co	ont))_\$		
		ו	OTAL SERVICES BY OTHERS	\$	· <u>-</u>
	SERVICES (Prime Consultant	<u>-</u>	prior authorization before use)		
		(Requires	prior authorization before use)		
			OTAL ADDITIONAL SERVICES prior authorization before use)	\$	-
E. MAXIMUM ALL	.OWABLE FEE (Upper Limi	t of Compensation)		\$	189,000.00

Contract No.:	1-17-4303	Consultant:		Environmental Design International inc.
Date:	10/1/2018			
	EXHIBIT C-1: P	EXHIBIT C-1: PAYROLL CLASSIFICATION ESCALATION TABLE	SCALATION TABLE	
	CONTRACT TERM:	3	No. OF MONTHS	
	SCHEDULED START DATE:	10/1/2018		
	RAISE DATE:	10/1/2018		
	PERCENT OF RAISE:	%0		
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Escalation Factor Sixth Period	Escalation Factor Seventh Period	Escalation Factor Eighth Period	Escalation Factor Ninth Period	Escalation Factor Tenth Period
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Contract No.:	1-17-4303			Consultant:	En	vironmental Desi	Environmental Design International inc.	10.
Date:	10/1/2018			Escala	Escalation Factor:	100.00%		
						(From Exhibit C-1)		,
	EXHIBIT C-2: DIRECT LABOR	BOR CLASSIFICATION MAN-HOURS AND RATES	TION MAN-F	OURS AND	RATES		DIRECT COST OVERTIME PREMIUM	COST
					Total Estimated Work Hours:	1,500.00	Total Estimated O/T Hours:	
	•				Average Hourly Rate:	\$45.00	Average Premium O/T Hourly Rate:	
					Total Direct Labor	\$67,500.00	Total Overtime Premium:	·
Classification Eligible for Premium Overtime?	Tollway Classification	Tollway MINIMUM Hourly Rate for Classification	Tollway MAXIMUM Hourly Rate for Classification	Average Hourly Rate for Classification (See Note A to	Escalated Average Average Hourly Rate for Classification Classification (See Note A to (See Note B to Right)	Estimated Work Hours (Including Overtime)	Escalated Average Premium Overtime Hourly Rate (See Note C to	Estimated Overtime Hours (Overtime Hours Only) (See Note D to
No	Principal	\$50.00	\$70.00	\$70.00		2.00		
o N	Project Manager	\$40.00	\$70.00	\$69.50	\$69.50	90.00		
. oN	Senior Engineer/Planner	\$40.00	\$70.00	\$62.09	\$62.09	275.00		
oN.	Resident Engineer	\$40.00	\$70.00					
No	Project Engineer/Planner□	\$25.00	\$60.00	\$52.35	\$52.35	230.00		
No No	Staff Engineer/Planner	\$20.00	\$40.00	\$34.44	\$34.44	549.00		
No	Engineer /Accountant	\$20.00	\$60.00		`			
No	Senior Technical Specialist	\$25.00	\$60.00	\$39.27	\$39.27	204.00		
ON	Technical Specialist	\$15.00	\$50.00	\$32.74	\$32.74	127.00		
No	Architect	\$30.00	\$70.00					
No No	Realty Specialists	\$20.00	\$70.00					
N _O	Intern	\$8.25	\$20.00					
No	Admin/Clerical	\$8.25	\$40.00	\$35.52	\$35.52	20.00		***************************************
				-				

Contract No.:	I-17-4303	Consultant: _	Environmental Design International inc.	

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
Principal	Program Manager	Michael Ring	\$50 - \$70
Project Manager	Engineer III	Graig Neville	\$40 - \$70
	Surveyor II	William Fleming	
Senior Engineer/Planner	Engineer III	Michal Bartusiewicz	\$40 - \$70
	Senior Consulting Engineer	Glenn Schimer	
	Engineer III	Klye Chamberlain	
Resident Engineer			\$40 - \$70
Project Engineer/Planner□	Engineer II	Jillyn K. O'Shea	\$25 - \$60
	Environmental Engineer III	Felix Moran	
Staff Engineer/Planner	Engineer I	Haider Nadir	\$20 - \$40
	Engineer I	Brendan Famham	
	Engineer I	Sarah Fayh	
	Engineer I	Terry Haynes	
Engineer /Accountant			\$20 - \$60
Senior Technical Specialist	Surveyor II	LeaAnn Graves	\$25 - \$60
	Surveyor I	Matthew Westerkamp	
	Task Manager	Scott Dileto	
	Task Manager		
Technical Specialist	Survey Crew Chief	Jeffry Flowers	\$15 - \$50
	Survey Crew Chief	John Toczylowski	
	Survey Instrument Person	Daniel Herman	
	Survey Instrument Person	Daniel Check	
	CADD Technician	Jason Szabo	
	CADD Technician	Keith Richardson	
	Environmental Scientist II	Nick Szymanski	
	Environmental Scientist I	Collen Schwartz	
	Environmental Technician	Anthony Spalla	

Contract No.:	I-17-4303	Consultant:	Environmental Design International inc.

Date: 10/1/2018

EXHIBIT C-3: DIRECT LABOR EMPLOYEE CLASSIFICATION LIST

Tollway Classification	Consultant Classification (specific to each company)	Consultant Employee Name (SEE NOTE 1 TO RIGHT)	Range per Hour
ş	Environmental Scientist I	Akihla Townsend	
	Environmental Scientist I	Brendan Kinsella	
Architect			\$30 - \$70
Realty Specialists			\$20 - \$70
Intern			\$8.25 - \$20
Admin/Clerical	Admin	Sharon Harrison	\$8.25 - \$40
		Monique Beal	
			-
-			
,			

Contract No.:

Consultant:

EXHIBIT D

REIMBURSABLE DIRECT COSTS - WORKSHEET ESTIMATES

A. VEHICLE REIMBURSEMENT - rate based on link below http://www2.illinois.gov/cms/Employees/travel/Pages/TravelReimbursement.aspx В. **ALLOWABLE DIRECT COSTS - based on link below** https://www.illinoistollway.com/documents/20184/238673/LG TOL LWAY XX ALLOWABLEDIRECTCOSTS 12132013.PDF/b3dab3 C. ITEMIZED DIRECT COSTS - For any expense not included in the Allowable Direct Costs list, written permission must be received from the Chief Engineer prior to its inclusion. List those below:

DIRECT COST CATEGORY	

TOTAL DIRECT COSTS (Vehicles, Allowable and Itemized)

Contract No.:	<u>I-17-4303</u>	Consultant: _	Environmental Design International inc.
		EXHIBIT E - KEY PROJECT	PERSONNEL
Project Principa	al:		
Project Manage	er:		
Project Engine	er:		
Resident Engin	eer:		
Documentation	Engineer:		·
Project Civil En	aineer:	Jillyn K. O'Shea, PE	
Project Structu			
Project Drainag	e Engineer:		
Senior Enginee	r:		
Others:	Name:		
	Classification:		· · · · · · · · · · · · · · · · · · ·
	Name:		
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APPENDIX TO EXHIBIT F

Contract No. I-17-4303

Environmental Design International Inc.

SCOPE OF SERIVICES

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EXHIBIT F Contract No. I-17-4303 BBACBE_TM SCOPE OF SERVICES

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<u>Median Reconstruction</u>: Original budget was developed based on patching and rehabilitation of the median. Construction scope for the median now consists of complete reconstruction, requiring additional design and detailing efforts.

ITS: Original budget was limited to effort to draft details and locations developed by others under a separate corridor-wide ITS contract. Due to schedule acceleration it was determined that the corridor-wide ITS contract would not be available for expedited use, requiring additional efforts under our contract to design and detail ITS elements and infrastructure within our section. These additional efforts are required for multiple ITS systems, including:

- a. <u>Temporary</u>: relocation of the Illinois Tollway fiber optic duct-bank and the Illinois Tollway "Overbuild" fiber optic duct-bank to ensure uninterrupted functionality through both 2018 and 2019 construction contracts.
- b. <u>Permanent</u>: renewal of ITS equipment infrastructure and ITS backbone duct-bank throughout section limits.
- c. <u>ATM</u>: layout and design of foundation locations for Automated Traffic Management (ATM) structures, including coordinating locations with proposed and existing Overhead Sign Structures (OHSS).

<u>Plaza 33 Modifications</u>: Original budget included no work on Plaza 33. Through the course of design development, modifications to Plaza 33 became necessary to accommodate a 5th southbound lane through the Plaza 33 Open Road Tolling (ORT) infrastructure. Additional efforts include extension and modification of camera, antenna support systems and Violation Enforcement System, additional axle detector loops, and the creation of a service roadway allowing vehicular access to ORT equipment cabinets from the cash-lane side of the Plaza.

<u>Lighting Photometrics</u>: Original budget was based on lighting photometric calculations being performed by others under a separate corridor-wide contract. Due to schedule acceleration it is necessary for photometric calculations for both temporary lighting and permanent lighting to be performed under this contract.

<u>Balmoral Bridge Repairs</u>: During inspection of the Balmoral Bridge new impact damage was discovered on one of the beams requiring repair plans under our contract.

<u>Overhead Sign Structure Layout</u>: Original budget was based on corridor-wide determination of OHSS locations by others. Due to schedule acceleration, development of these locations was moved into this contract, including removal of bridge mounted signs at Balmoral Avenue.

Geotechnical: Additional OHSS and ATM locations require additional geotechnical borings.

<u>Retaining Wall Impacts</u>: The Tollway Design Memorandum 18-02 released on May 25, 2018 increases shoulder widths along retaining walls. This will need to be incorporated accordingly. The Alternative 9R also includes two additional retaining walls not included in the original scope of work.

<u>Plats & Legal Descriptions</u>: Original budget included preparation of Right of Way (ROW) documents for all acquisitions planned within our section. Due to schedule acceleration, direction was received that ROW documents started under the Phase I contract would be completed by Phase I instead of our contract. This is a credit to the contract.

EXHIBIT G

Contract No. I-17-4303

Environmental Design International inc.

CURRENT OBLIGATIONS FOR PROJECT

Route & Job No.	ork Scope & Description of Project	Fee (Including all Supplementals and Extra Work Orders)	Fee Remaining To Be Earned	Estimated Date of Completion
RR-16-4267 Mainte	enance Facilities Design	\$3,900,000.00	\$2,219,930.00	6/30/2020
PTB 162-16 Variou	s Land Acquisition Surveys, D1	\$500,000.00	\$213,000.00	3/1/2019
PTB 175-09 Land A	Acquisition US 45 / IL 21, D1	\$1,000,000.00	\$810,929.00	9/15/2025
RR-13-5660 I-88 D	ixon to Rock Falls	\$17,300.00	\$1,853.00	11/30/2016
RR-12-4079 Mainte	enance Facilities System-wide	\$445,676.00	\$170,319.00	6/30/2017
PTB 169-14 Variou	s Phase I Projects, D1	\$1,146,000.00	\$447,627.00	3/3/2018
PTB 172-01 US 41	/ I-55 Phase III Outbound	\$2,343,595.00	\$1,108,891.00	10/31/2017
PTB 172-27 Hazard	lous Waste (Sub to Ecol & Env.)	\$800,000.00	\$634,086.00	2/20/2018
PTB 176-01 Hazard	lous Waste (Sub to Ecol & Env.)	\$525,000.00	\$505,246.00	3/3/2023

Contract No.:	I-17-4303	Consultant:	Environmental Design International inc.	

EXHIBIT H - SERVICES BY OTHERS

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	Direct Labor		_			Direct Labor			
	Direct Costs		·····			Direct Costs	\$	-	
	Services by Others					Services by Others	\$	_	
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	Direct Labor		_			Direct Labor			
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	Additional Services **					Additional Services **	\$		
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	Services by Others	\$ -	_			Services by Others	\$	-	
	Additional Services **	\$ -	_			Additional Services **	\$		
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1	al services funds require prior autho	rization before use				TOTAL DBE/MBE/WB	E Subconsulta	ants: _\$	_
					TOTAL A	ditional Services DBE/MBE/WB	E Subconsult	ants: \$	

EXHIBIT "16" Page **107** of **108**

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

			_	
4	7-4	20		

Consultant:	Environmental Design International inc.
O O I I O GI I CI	Environmental Design international inc.

EXHIBIT H - SERVICES BY OTHERS (continued)

Exhibits A-G must be submitted for each subconsultant listed below. If a subconsultant requires "Services by Others", they must include Exhibit H and attach Exhibits A-G for second tier subconsultants.

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	Direct Labor					Direct Labor			
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	Services by Others		*************************************			Services by Others	\$	<u> </u>	
	Additional Services **					Additional Services **	\$	-	
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	Direct Labor				_	Direct Labor	\$		
	Direct Costs					Direct Costs	\$		
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	Additional Services **					Additional Services **	\$	<u>-</u>	
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	Direct Labor	\$	_			Direct Labor	\$		
	Direct Costs	\$	-			Direct Costs	_	-	
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ļ					9				
	Direct Labor	\$	_		•	Direct Labor	\$		
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	Direct Costs	\$	_			Direct Costs	\$		
	Services by Others	\$				Services by Others	\$		
	Additional Services **	_\$				Additional Services **	\$	<u>-</u>	
	Total this Subconsultant (ULC)			\$ 		Total this Subconsultant (ULC)		\$	

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