

# PROFESSIONAL SERVICES BULLETIN 18-2

## ADDENDUM 1

*ADDENDUM 1 does not change the due date or time.*

**STATEMENTS OF INTEREST are due by 4:30:00 p.m. (local time)**

**Due Date: April 24, 2018**

**Successful Offerors will be notified.**

**Overall results will be posted on the Illinois  
Procurement Bulletin.**

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No. 18-2 Addendum 1

Date March 30, 2018

ISTHA web site: [www.illinoistollway.com](http://www.illinoistollway.com)



Illinois Tollway  
2700 Ogden Avenue, Downers Grove, IL 60515

**ADDENDUM NO 1  
TO  
PROFESSIONAL SERVICES BULLETIN No 18-2**

**March 30, 2018**

Addendum No 1 does not change the due date or time. Statements of Interest are due via the e-Builder process:

<https://app.e-builder.net/public/publicLanding.aspx?QS=8b550cb238ba4d768a53aa87d3c9cdcd>  
to the Illinois State Toll Highway Authority, by 4:30:00 p.m. Central Time, April 24, 2018.

**NOTES:**

Addendum 1 makes the following revisions to Professional Services Bulletin (PSB) No 18-2:

**Revision 1:** Replace Page 1 with Page 1R:

- To reflect the revisions to the page number and/or page revision.

**Revision 2:** Replace Page 2 with Page 2R:

- To correct the e-Builder PSB SOI Helpdesk email address: it should be [ebuilder@getipass.com](mailto:ebuilder@getipass.com)

**Revision 3:** Replace Page 4 with Page 4R:

- To correct the project number for item 10: it should be RR-18-**9016**.
- To add items 11 and 12 to PSB No 18-2.

**Revision 4:** Replace Page 5 with Page 5R:

- To update the total number of items from ten (10) to twelve (12).

**Revision 5:** Replace Page A-17 with A-17R:

- To correct the project number for item 10: it should be RR-18-**9016**.

**Revision 6:** Replace Pages A-18 thru A-19 with Pages A-18R thru A-19R:

- To add item 11 to PSB No 18-2.

**Revision 7:** Replace Pages A-20 thru A-24 with Pages A-20R thru A-24R:

- To add item 12 to PSB No 18-2.

**Revision 8:** Replace Page 21 with Pages 21R.a and 21R.b:

- To update and include the Exhibit A: Key Project Personnel for items 11 and 12.

**Revision 9:** Replace Page 62 with Page 62R:

- To correct the e-Builder PSB SOI Helpdesk email address: it should be [ebuilder@getipass.com](mailto:ebuilder@getipass.com)

**END OF NOTES**

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# PART I: THE SCHEDULE

## 1.1 CONTACT INFORMATION

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

## 1.2 OFFICIAL NOTICE

**EFFECTIVE IMMEDIATELY:** Professional Services Bulletin (PSB) 18-2 responses will be submitted via the Illinois Tollway's Web-based Program Management System (e-Builder). See below for additional details.

PSB 18-2 is the official notice of needed professional services for the Illinois State Toll Highway Authority ("Illinois Tollway", "Tollway"), as authorized by the Architectural, Engineering, and Land Surveying Qualifications Based Selection Act, 30 ILCS 535. This PSB contains information pertaining to the advertisement for Statements of Interest (SOI) and is part of the official Illinois Procurement Bulletin for the Illinois State Toll Highway Authority. PSB 18-2, including all Exhibits and forms, is available on the Tollway's website at: <https://www.illinoistollway.com/doing-business/construction-engineering/bids-bulletins-awards>. Additional information is also posted on the Illinois Procurement Bulletin at: <http://www.purchase.state.il.us>. For instructions on accessing the Tollway website, PSB, and Exhibits please refer to the Table of Contents. Instructions on receiving procurement opportunities are included in the "Illinois Procurement Bulletin (IPB) Notice" section of this PSB.

### 1.2.1 PSB 18-2 Summary

The e-Builder process for PSB 18-2 can be found in the Public Folder at:

<https://app.e-builder.net/public/PublicFolderView.aspx?FolderID={dc0355ee-4323-458e-91b5-547c6655b5f5}>

You will need the following before you can submit an SOI in e-Builder:

- Webinar Training (see the e-Builder Public Folder link listed above)
- Security Key (see Section 4.4 Submittal Instructions)
- e-Builder Login ID (see Section 4.4 Submittal Instructions)
- Firm Code Name (see Section 4.4 Submittal Instructions)
- e-Builder link to PSB 18-2 SOI process: <http://www.e-builder.net>

All questions related to this PSB must be submitted electronically through the e-Builder SOI Mailbox at [PSB 18-2.02 Questions and RFIs@docs.e-builder.net](mailto:PSB_18-2.02_Questions_and_RFIs@docs.e-builder.net) at least 10 days prior to the submittal date of April 24, 2018. The subject line should read: PSB 18-2 Question. Answers will be addressed via an Addendum published on the IPB. For e-Builder technical questions, please contact the e-Builder PSB SOI Helpdesk: [ebuilder@getipass.com](mailto:ebuilder@getipass.com). Please call if you need assistance: (630) 241-6800, ext. 3851.

This is not an invitation for bids. Firms properly prequalified for the projects listed herein may indicate their desire to be considered for selection by submitting an SOI to the Tollway via the e-Builder PSB 18-2 SOI process located at the following: <http://www.e-builder.net>

The Tollway follows the Qualifications Based Selection (QBS) process mandated by Illinois statute (30 ILCS 535/1: Architectural, Engineering, and Land Surveying Qualifications Based Selection Act) for selecting qualified consultants under this PSB.

SOI e-Builder submittals must be received by April 24, 2018, 4:30:00 P.M. CT. Any submittals received after that time will be returned via an e-Builder notification and considered late. Late submittals will not be accepted by the Tollway and will be deemed non-responsive.

1.4 Professional Services Bulletin No. 18-2 Item Index

Item No.	Project No. / County	Description	Page
1	RR-18-4383 Cook	Tri-State Tollway, 95 <sup>th</sup> Street to Balmoral Avenue, Planning Studies Upon Request. On-Call and as-needed. Phase I Engineering Services for Planning Studies and Master Plan Services.	A-1
2	RR-18-4382 Lake	Tri-State Tollway, Stearns School Road Bridge Reconstruction (M.P. 7.5). Phase II Engineering Services.	A-3
3	RR-18-4379 DuPage and Kane	Reagan Memorial Tollway, Roadway and Bridge Rehabilitation, M.P. 117.8 (Aurora Toll Plaza) to M.P. 123.4 (IL 59). Phase II Engineering Services.	A-5
4	RR-18-4381 Kane	Reagan Memorial Tollway, Pavement and Structural Preservation and Rehabilitation, M.P. 113.3 (Illinois Route 56) to M.P. 117.8 (Aurora Toll Plaza). Phase II Engineering Services.	A-7
5	RR-18-9008 Systemwide	Systemwide, Design Upon Request, Non-Roadway. Phase II Engineering Services.	A-9
6	I-18-4380 Cook and DuPage	Elgin O'Hare Western Access, I-294 (Grand Avenue to Wolf Road). Construction Management Services.	A-11
7	RR-18-4377 Systemwide	Systemwide, Maintenance Facilities, Construction Management Services Upon Request. On-call and as-needed Construction Management Services.	A-12
8	I-16-4274 Kane	Reagan Memorial Tollway, Illinois Route 47 Interchange, M.P. 109.3. Construction Management Services.	A-14
9	RR-18-4378 Systemwide	Systemwide, Construction Management Upon Request. On-call and as-needed Construction Management Services.	A-15
10	RR-18-9016 Systemwide	Systemwide, Construction Management Upon Request, Non-Roadway. On call and as-needed Construction Management Services.	A-17R
11	RR-18-9205 Systemwide	Infrastructure Management System for 2018/2019/2020/2021	A-18R
12	RR-18-9206 Systemwide	Materials Engineering Services, Systemwide.	A-20R

## 1.5 Professional Services Bulletin No. 18-2 Item Detail – Mile Post

Details follow for each of the twelve (12), PSB 18-2 Items. The Mile Posts listed in the project details (Section 1.4) are approximate.

### 1.5.10 Item 10. RR-18-9016, Systemwide, Construction Management Upon Request, Non-Roadway

This project has a 25% D/M/WBE participation goal and 3% VOS/SDVOSBE participation goal.

Phase III engineering services are required for the construction inspection, and supervision at selected locations on the Tollway system. Work orders under the blanket agreement will be negotiated and authorized by the Tollway on an as-needed basis. Typical tasks will include projects that are required for the Tollway system, and may include, but not be limited to:

Work tentatively scheduled for construction in 2018-2019:

1. Miscellaneous facility repairs, systemwide.
2. Job Order Contracting (JOC) support.
3. On call and as-needed work related to the Tollway System.

The upper limit of compensation will be set at \$2,500,000 to be authorized for use as individual projects are needed. Individual task orders will be negotiated for a specific fee at the time they are issued during the contract.

The Consultant will perform on-site inspection, review layout of contract including design changes, provide geotechnical inspection and testing, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with Tollway specifications. The Consultant may be required to review and make comments on Pre-Final Design Plans submitted to the Tollway for constructability. The Consultant must complete and submit final measurements, calculations and final contract documents to the Tollway no later than six (6) weeks after completion of Punch List for the project.

Firms must be prequalified by IDOT in the following category:

#### **Special Services (Construction Inspection)**

Key personnel listed in Exhibit A for this project must include:

- The person who will assume the duties of the Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The Resident Engineer.
- The Materials Coordinator.
- The Document Technician. (The person actively performing the documentation on the project must possess a current IDOT Construction Document certificate. **Include the Documentation Certificate Number for IDOT class S-14, Documentation of Contract Quantities.**)
- The Materials QA Technician.

Schedule: This project is scheduled to start in 2018.

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

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

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

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

### 1.5.11 Item 11. RR-18-9205, Infrastructure Management System for 2018/2019/2020/2021

This project has a 15% D/M/WBE participation goal and 0.5% VOS/SDVOSBE participation goal.

Support and development services are required to continue the implementation of the GIS Infrastructure Management System. The Infrastructure Management System manages and tracks Engineering and Planning related activities.

The proposed implementation needs for 2018/2019/2020/2021 include:

- 1) **Technical Support Services** – Consultant to provide on-going technical support to engineering application development needs including improvements and enhancement to existing applications. The selected consultant's capabilities must include data conversion, spatial database management, spatial analysis, technical writing, and application development. The selected consultant must provide specific technical expertise in the following platforms: ESRI ArcGIS desktop, ESRI ArcGIS Server, ESRI ArcSDE, ESRI API's, Microsoft SQL Server, Microsoft SQL Reporting Services, Microsoft Visual Basic, Microsoft C#, Microsoft ASP.NET, Microsoft Active Directory, DOJO, Java, Java Script, and Python.
  - Application enhancements to existing applications
  - As needed services that occur as a result of other Tollway activities that involve the integration or sharing of Geospatial Information.

The successful consultant will work directly with the Tollway's Engineering and Planning and Consultant staff. Responders must be capable of supporting existing applications and delivering and supporting applications that support ESRI spatial data integration. The successful consultant will be expected to work with staff on project specifications and quality measures.
- 2) **Support Hours** – The selected consultant must be available to provide support for both internal and external hosting environments.
  - Internal Support - Technical staff must be available to respond to any concerns during Tollway working hours. Typical typically weekday working hours are (8:00 AM to 5:00 PM) and do not include Tollway Holidays and weekends.
  - External Support - Technical Staff must be available to monitor and respond to any concerns on a 24 x 7 x 365 basis. Details of the external hosting site can be found in item 4.
- 3) **Application Management and Development IROW** – Consultant to continue the development and data integration of IROW, the Illinois Tollway Right Of Way management Application. This is an externally hosted application that assist the Internal Land Acquisition staff in managing workflow, documents, and consultant assignments. The ultimate goal of the application is to assist in delivering Right of Way needs on schedule. The application is hosted on an external hosting site. Tasks include; finalizing the development of the remaining functionality including two specific modules including the executive dashboard, and the Incentive Program module. Draft System Requirement Specification will be provided for each of these modules. The selected consultant will develop in accordance with these documents, modify as needed, test, and create user manuals and train staff and consultants on use of the product. May require integration with proposed ERP (Enterprise Resource Planning) financial solution. Integration with ERP systems will include the development of the System Requirement Specifications and implementation if the ERP solution is implemented.
- 4) **Manage and Support External Hosting environment** - This task entails the support, management, payment, troubleshooting and security of an external data and application hosting site. The current site is hosted by Rackspace. This site hosts the following applications; [www.IllinoisvirtualTollway.com](http://www.IllinoisvirtualTollway.com), 4 other applications and a complete GIS Enterprise Server Environment. The site included a complete development, testing and production environment. Must be scalable to meet the Tollways increasing data and end user traffic needs. The site provides 2<sup>nd</sup> tier mission critical services of several other external Tollway Systems. Evaluation of hosting costs and alternative hosting site providers is required. Evaluation results may require the migration to a new hosting environment.



- 5) **SharePoint** – This successful consultant will supply a SharePoint site that will be used to house documentation and manage change control for application support associated with this contract.

The upper limit of compensation will be set at \$3,000,000 to be authorized for use as individual projects are needed. Individual task orders will be negotiated for a specific fee at the time they are issued during the contract.

There is no IDOT prequalification requirement: **However, the consultant must identify at least three similar projects of scope and size. As well, it is expected that each responder have experience with ESRI enterprise Geographic Information System Implementations, significant SDE/SQL Server database expertise, and custom software development.**

Key personnel listed on Exhibit A for this project must include:

- The person who will assume the duties of the Project Manager for this project must be familiar with all aspects of Transportation related Civil Engineering disciplines, including traffic, design and maintenance related Engineering including design, and will have at least 10 years of experience managing planning / transportation related Geographic Information System (GIS) projects.

All tasks of this project will require heavy technical documentation and reporting, with an emphasis on database and application documentation.

Schedule: This project is scheduled to start in Fall 2018.

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

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

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

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

### 1.5.12 Item 12. RR-18-9206, Materials Engineering Services, Systemwide

This project has a 25% D/M/WBE participation goal and 1% VOS/SDVOSBE participation goal.

Materials Engineering Services are required to perform special technical services; Independent Assurance (IA) responsibilities for Hot-Mix Asphalt (HMA) production/construction, Portland Cement Concrete (PCC) production/construction and pipe and precast producers; technical lab services for concrete mix design and analysis; sampling and testing of aggregate sources for Tollway certification; Materials Engineering Support; and Quality Assurance (QA) inspection of steel and aluminum fabrication, and Prestressed/Precast fabrication.

This contract shall provide for a five (5) year term, with two, (1) one-year options to renew, subject to the Tollway's periodic review, approval and satisfaction with the Consulting Engineer's performance and may be terminated by the Tollway at any time upon a stipulated notice period or extended upon agreement of both parties.

#### **Materials Engineering Services**

Provide technical advice to the Tollway on opportunities to obtain optimum performance and economy in the design and construction of highway facilities. These services include identifying materials and processes for improvement and enhancement, providing background information and working with Tollway staff to assure the quality, economy and performance of the final products. Specific responsibilities may include but are not limited to the following:

- Provide Materials Engineering staffing and support to the Tollway's internal engineering staff, and external Consultants or Contractors for contracts relative to the design and/or construction of roadways and structures.
- Providing assistance to develop or analyze project special provisions designed for Tollway and IDOT classified construction materials.
- Provide evaluations of proposed construction materials and material sources, including new product evaluations, to determine compliance with any appropriate contract standard specifications, special provisions, and plan notes or details.
- Provide assistance to the Tollway in the area of job mix control including review and analysis of submitted mix designs or commercial material products in relation to contract design requirements and help to maintain the material approval records for the Tollway construction contracts.
- Evaluate current pavement conditions within the Tollway system and provide targeted testing protocols to supplement the Tollway's asset management system.
- Properly store, organize, and back up all performance data collected for the Tollway.
- Oversee the Contractor's Quality Control (QC) and Construction Manager (CM) Quality Assurance (QA) programs on Illinois Tollway construction contracts.
- Analyze QA data, and provide engineering for the development of enhanced specifications and designs.
- Provide materials training to Tollway, CM, designers and contractors on an annual basis.
- Provide new product evaluation.
- Provide forensic evaluation on an as-needed basis.

In order to provide the necessary expertise, the consultant must employ Professional Engineers specializing in the materials engineering field. Each of the engineers must have the applicable years' experience in the materials area and must be recognized and credible within the highway community for their engineering expertise. They must have detailed knowledge of Illinois Tollway specifications and procedures, Illinois Department of Transportation (IDOT) specifications and procedures, and knowledge of common practice by local agencies in Illinois. The engineers must have a detailed technical knowledge of structural products, aggregate production and processes, field soil and subgrade testing/analysis and support, hot mix asphalt design and control, concrete mixtures composition, design and construction, steel fabrication, pre-stressed and precast concrete inspection and processes, and contract certification process to assure that all materials incorporated in the work have been approved. The consultant must also employ its own well qualified and experienced AASHTO Re:Source lab and certified field technician's for direct information on the quality and procedures involved.

## **Independent Assurance Program**

Develop and manage an Independent Assurance (IA) program to verify the final quality of Hot Mix Asphalt (HMA), Warm Mix Asphalt (WMA), Portland Cement Concrete (PCC), and Aggregate products for use by the Tollway. Responsibilities of the IA program may include, but not limited to the following:

- Inspection and certification of asphalt and concrete production facilities
- Inspection of contractor Quality Control (QC) laboratories
- Verification of QC/QA compliance
- Dispute resolution testing

The consultant must have a proven capability of running an independent testing program for hot mix asphalt and concrete. The consultant must have demonstrated ability to conduct such a program, provide oversight to the quality assurance, work with contractors, suppliers, materials sources and assure compliance with contract requirements over the range of projects and contracts active at any given time.

The Independent Assurance program will be separate and provide oversight over Quality Assurance and Quality Control activities. The prime consultant providing Independent Assurance may not provide Quality Assurance services as part of a Construction Manager or Corridor Construction Manager contract.

## **Quality Assurance Program**

Manage a Quality Assurance Program to oversee items not otherwise covered. Responsibilities of the QA program may include, but are not limited to the following:

- HMA, PCC and Binder Laboratory Testing
- Quality Assurance Performance Testing

A working knowledge of IDOT's MISTIC system and the Tollway's I-MIRS and eBuilder software is required.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant, or one of their Sub-consultants, on the same project or on material coming from the same plant or source are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

## **Quality Assurance HMA, PCC and Binder Laboratory Testing**

The laboratory must be accredited under the AASHTO Re:Source, and Cement and Concrete Reference Laboratory (CCRL) certified for all appropriate tests. The laboratory shall meet requirements for the test procedures specified in IDOT Bureau of Materials and Physical Research (BMPR) Policy Memorandum "Minimum Private Laboratory Requirements for Construction Materials Testing or Mix Design."

In addition, the consultant must have an AASHTO Re:Source accredited asphalt binder testing laboratory satisfying the following requirements. Laboratory technicians and the Professional Engineer that has oversight of the laboratory must have successfully completed the "Basic Binder Technician Training" conducted by the Asphalt Institute. At minimum the binder laboratory must be able to conduct all the following procedures:

ALL associated test methods within AASHTO M320 and for PG compliance and classification AASHTO R29.

- ASTM D7173- Separation of Polymer- Softening Point and DSR methods
- ASTM D36- Softening Point
- Asphalt Extraction via automated extraction device
- ASTM D5404- Asphalt Recovery from solution via Rotary Evaporator
- AASHTO T350- Multiple Stress Creep and Recovery (MSCR)
- High and Low Shear Asphalt Binder Blending Processes

## **Quality Assurance Performance Testing**

### MIT Scanning:

Provide state of the practice advanced measurement of final product quality. For concrete, provide magnetic imaging technology (MIT) scan services of completed pavement to determine dowel bar alignment and thickness via the MIT Scan T2. Oversight of the MIT scanning, data analysis, documentation, and recommendations must be by a Professional Engineer with 5 years' experience.

The consultant must have equipment and experience evaluating completed highway facilities to determine final in place conformance to specifications and long term performance. This experience includes evaluating PCC using MIT scanning technology.

### PCC Performance Testing

The consultant must have the ability to perform testing including but not limited to surface resistivity to evaluate permeability, super air meter (SAM), Ring Test, V-Kelly Ball and Box Test.

### Asphalt Performance Testing

The consultant must have the ability to perform testing including but not limited to Hamburg wheel, DCT, I-FIT, and automatic extraction testing to provide resultant binder samples for performance grading.

## **Quality Assurance Inspection of Prestressed, Precast, Steel and Aluminum Fabrication**

### Prestressed and Precast Fabrication

Provide QA testing and inspection at the facilities for fabrication of elements in accordance with with Tollway Specifications and Special Provisions, IDOT's Standard Specifications for Road and Bridge Construction, Manual for Fabrication of Precast Prestressed Concrete Products, and applicable Policy Memorandums.

### Steel and Aluminum Fabrication

This work shall include but not be limited to the inspection of structural beams, overhead sign and other structures, structural embeds, monotube light structures and components. A Professional Engineer with at least 5 years' experience in oversight of structural inspection shall be provided to manage inspection services. A Lead CWI shall be provided by the consultant to directly oversee all CWI Inspectors. The Lead CWI shall have at least 10 years' experience. All fabrication inspection shall be performed by a CWI. Inspectors employed by the Consultant shall represent the Tollway by performing quality assurance inspection of steel and aluminum fabrication. As appropriate, personnel must be qualified to evaluate:

1. Shop processes such as welding, machining & assembly.
2. Non-destructive testing (VT, UT, RT & PT).
3. Condition of structural material.
4. Final geometry.
5. In-process repairs.

Inspectors will also:

1. Assess the shop's Quality Control and record management.
2. Verify bolt testing and installation.
3. Monitor heat curving or straightening.
4. Inspect blast cleaning and painting.
5. Provide guidance; and help resolve questions or conflicts.

All QA testing and inspection at the facilities for fabrication of elements in accordance with Tollway Specifications and Special Provisions, IDOT Standard Specifications for Road and Bridge Construction, Manual for Fabrication of Precast Prestressed Concrete Products, and applicable Policy Memorandums.

Inspectors shall prepare daily reports and inform the Tollway of project status and unresolved problems. The Consultant shall provide all necessary inspection tools, safety equipment and reference documents (codes, etc.) needed to accomplish their assigned duties.

The Consultant shall forward daily inspection reports and billing information to the Tollway in a timely manner, and submit a final package, including material certifications, original daily reports, and test documents, to the Tollway at the end of each task.

### **Required Qualifications**

The prime consultant must be prequalified by IDOT in the following category:

**Special Services (Quality Assurance Testing (QA HMA & Aggregate))**

**Special Services (Quality Assurance Testing (QA PCC & Aggregate))**

Key personnel listed in Exhibit A for this project must include:

- The Liaison Engineer who will assume duties as Project Manager for all aspects of the work and must be an Illinois Licensed Professional Engineer. Responsible for the management of individual tasks within the program including schedule, budget, and deliverables.
- Task Managers - Requires licensure as an Illinois Licensed Professional Engineer and must have demonstrated experience in project management and infrastructure/pavement engineering.
  - Design & Construction Process (QC/QA/IA) Engineer – Must have 5 years' experience of materials focused oversight and testing working on large heavy highway projects. Knowledge of the Tollway system and experience with writing and implementation of specifications. Experience managing end result testing and non-destructive pavement evaluation programs in accordance with existing Tollway specifications and standards. Ability to evaluate current pavement conditions within the Tollway system and provide targeted testing protocols to supplement the Tollway's asset management system. Experience working with the Tollway with current processes to assure compliance and certify projects. Must have knowledge of I-MIRS, and eBuilder software.
  - HMA/Aggregate Engineer - Must have IDOT HMA level 3 qualification and have at least 10 years' experience designing HMA mixtures and controlling HMA production and placement. Must have Quality Control and Quality Assurance testing and management supervision experience. Must hold current IDOT Documentation certificate. Must have design and construction experience using non-traditional HMA mixes, these may include pervious pavement, thin lift friction overlays, ground tire rubber, and asphalt modifiers. Must have working knowledge of all mixture producing components at an asphalt plant and must be able to recognize any irregularities with said components. Must have working knowledge of all types of HMA paving equipment and the ability to recognize and troubleshoot HMA laydown problems.
  - PCC/Prestressed/Precast/Steel/Aluminum Engineer – Must have PCI level II or III certification with experience overseeing the prefabrication of precast and prestressed elements. Additional experience with structural steel and aluminum elements is also required.
  - Training Engineer - Must have at least 15 years' experience in the materials engineering area and have a background with procedures and specifications for the Tollway, IDOT, local agencies and others. Must have experience with quality assurance on the national level.
  - Forensics/New Technologies Engineer - Must have at least 15 years' experience in the materials engineering area and have a background with procedures and specifications for the Tollway, IDOT, local agencies and others. Must have demonstrated litigation experience as an expert witness and a background in arbitration. Must will be well versed in national specifications and engaged in the research community.
- Field and operational support staff:
  - QC/QA Level I, Level II and Level III (HMA and PCC) Certified Testing Technicians.
  - ACI Grade 1 and PCI Level I & II- Quality Control Personnel Certification Program (for precast)
  - Lead CWI (Steel Fabrication)
  - Lead Asphalt Binder Technician
  - Lead Field Soils Technician, IDOT Soils Field Testing and Inspection (S-33) Certification

Schedule: This project is scheduled to start in Summer 2018.

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

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

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

# Exhibit A – Proposed Staff PSB 18-2, continued

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

<b>Project Manager (Item 11)</b>			
Name:			
Firm:			
Category:	Exp w/ Transportation Civil Engineering Disciplines. 10 yrs exp w/ GIS projects.		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>Liaison Engineer (Item 12)</b>			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>Design &amp; Construction Process (QC/QA/IA) Engineer (Item 12)</b>			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer. Exp in Project Mgmt & Infrastructure/Pavement Engineering. 5 yrs exp materials oversight/testing. I-MIRS/eBuilder software knowledge.		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>HMA Aggregate Engineer (Item 12)</b>			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer. Exp in Project Mgmt & Infrastructure/Pavement Engineering. IDOT HMA Level 3 Qualification. 10 yrs exp HMA mixtures/production. QC/QA testing/mgmt. exp. Current IDOT Documentation Cert.		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>PCC/Prestressed/Precast/Steel/ Aluminum Engineer (Item 12)</b>			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer. Exp in Project Mgmt & Infrastructure/Pavement Engineering. PCI Level II or III Certification. Structural Steel/Aluminum exp.		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>Training Engineer (Item 12)</b>			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer. Exp in Project Mgmt & Infrastructure/Pavement Engineering. 15 yrs exp Materials Engineering. National Level QA exp.		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>Forensics/New Technologies Engineer (Item 12)</b>			
Name:			
Firm:			
Category:	IL Licensed Professional Engineer. Exp in Project Mgmt & Infrastructure/Pavement Engineering. 15 yrs exp Materials Engineering. Litigation/arbitration exp.		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

<b>QC/QA Level I (Item 12)</b>			
Name:			
Firm:			
Category:	HMA & PCC Certified Testing Tech		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

\*If work is being performed by a Sub-consultant list firm name also.

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

## Exhibit A – Proposed Staff PSB 18-2, continued

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

QC/QA Level II (Item 12)			
Name:			
Firm:			
Category:	HMA & PCC Certified Testing Tech		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

QC/QA Level III (Item 12)			
Name:			
Firm:			
Category:	HMA & PCC Certified Testing Tech		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

ACI Grade 1 (Item 12)			
Name:			
Firm:			
Category:	QC Personnel Cert Program (for precast)		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

PCI Level I (Item 12)			
Name:			
Firm:			
Category:	QC Personnel Cert Program (for precast)		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

PCI Level II (Item 12)			
Name:			
Firm:			
Category:	QC Personnel Cert Program (for precast)		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

Lead CWI (Item 12)			
Name:			
Firm:			
Category:	Steel Fabrication		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

Lead Asphalt Binder Technician (Item 12)			
Name:			
Firm:			
Category:			
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

Lead Field Soils Technician (Item 12)			
Name:			
Firm:			
Category:	IDOT Soils Field Testing & Inspection (S-33) Certification		
License #:			
Year Registered:		State:	
Office Address:			
City:		State:	

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

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

\*If work is being performed by a Sub-consultant list firm name also.

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



All questions related to this PSB must be submitted electronically through the e-Builder SOI Mailbox at [PSB 18-2.02 Questions and RFIs@docs.e-builder.net](mailto:PSB_18-2.02_Questions_and_RFIs@docs.e-builder.net) at least 10 days prior to the submittal date of April 24, 2018. The subject line should read: PSB 18-2 Question. Answers will be addressed via an Addendum published on the IPB. For e-Builder technical questions, please contact the e-Builder PSB SOI Helpdesk: [ebuilder@getipass.com](mailto:ebuilder@getipass.com). Please call if you need assistance: (630) 241-6800, ext. 3851.

This is not an invitation for bids. Firms properly prequalified for the projects listed herein may indicate their desire to be considered for selection by submitting an SOI to the Tollway via the e-Builder PSB 18-2 SOI process located at the following: <http://www.e-builder.net>

The Tollway follows the Qualifications Based Selection (QBS) process mandated by Illinois statute (30 ILCS 535/1: Architectural, Engineering, and Land Surveying Qualifications Based Selection Act) for selecting qualified consultants under this PSB.

SOI e-Builder submittals must be received by April 24, 2018, 4:30:00 P.M. CT. Any submittals received after that time will be returned via an e-Builder notification and considered late. Late submittals will not be accepted by the Tollway and will be deemed non-responsive.

**Please carefully read the instructions below BEFORE submitting your Statements of Interest.**

**4.4.1 General Instructions**

- It is CRITICAL that submittal instructions be followed. All Forms must be submitted per the instructions provided. Failure to do so may result in an incomplete submittal resulting in your firm being disqualified. For further information on accessing the Tollway Website, PSB and Exhibits, please refer to the Table of Contents.
- The Word and/or PDF documents available on the Tollway website are labeled as follows:

Exhibit A.doc	Submit with SOI
Exhibit B.doc	Submit with SOI, if required
Exhibit C.doc	Submit as WL.pdf
Exhibit D.doc	Submit with SOI
Offeror Commitment and Signature	Submit with SOI
Forms A or Forms B Disclosures	Submit as DS.pdf
State of Illinois Standard Business Terms and Conditions	Submit with Forms A or Forms B Disclosures
Exhibit E. Partnering for Growth Program	Submit with SOI
Exhibit F. VOSB/SDVOSBE Utilization Plan and Letter of Intent	Submit with SOI

- Complete the Word documents and then convert them to Adobe .pdf for the submittal.
- Do not send zipped files. They will be rejected and cause your submittal to be disqualified.

**4.4.2 Naming and Labeling Instructions**

- The Tollway requires electronic submittals for the Professional Services Bulletin’s Statements of Interest via the established e-Builder PSB process. All respondents must utilize a unique 2 to 6 character SOI Firm Name Code assigned by the Tollway.
- To determine the designated SOI Firm Name Code go to the Tollway’s website under Doing Business>Construction and Engineering - see Consultant Resources and click on the link to the Professional Services Bulletin page. The current SOI Firm Name Code List will be posted under the “Required Forms” section. If your firm is not included on the list, or your firm name has changed, please contact Eleanor Curcuro at (630) 241-6800, extension 3851, for an assigned SOI Firm Name Code.
- When submitting “Team” files please, use the **new** SOI Firm Name Code assigned by the Tollway to the Team. The SOI Firm Code Name is exclusive to the electronic submittal – meaning it does not establish the name of the Team. Please contact Eleanor Curcuro at (630) 241-6800 extension 3851, for an assigned SOI Firm Name Code.
- All submittals of your firm’s subject lines **MUST** read: **SOI\_FirmCode\_ConsultantsInitials\_PSB18-2-CompanyName-Item#\_MMDDYYYY**.