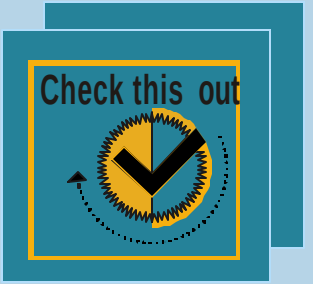
Professional Transportation Bulletin

PTB 190

November 08, 2018
Revised November 15, 2018

Statements of Interest are due before 12:00 p.m.
on November 29, 2018
Selection Date: January 23, 2019



Illinois Department of Transportation
2300 South Dirksen Parkway, Springfield, Illinois 62764

IMPORTANT NOTICE PROFESSIONAL TRANSPORTATION BULLETIN REVISIONS

Selection Date: January 23, 2019

The following revisions have been made to this Professional Transportation Bulletin. If you downloaded the bulletin prior to the noted revision date, you should incorporate the revisions or download and use a new copy of the bulletin.

REVISION DATE: November 15, 2018.

Item 25 was revised. The QA HMA requirement was removed for the Prime and is now allowed to be completed by Prime and/or sub.

State Of Illinois
Contact Information

Department Of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

The Transportation Bulletin is the official Illinois Procurement Bulletin for the Illinois Department of Transportation as authorized by Section 15-1 of the Illinois Procurement Code, 30 ILCS 500/15-1.

It is available on the **IDOT's WEBSITE:** Engineering, Architectural & Professional Services

Professional Transportation Bulletin
The Professional Transportation Bulletin Contains information pertaining to the advertisement for offers of interest for professional services for the Department of Transportation's projects.

Questions concerning this Bulletin should be directed to:
E-mail: DOT.ConsultantServices@illinois.gov

Or mailing address:
Bureau of Design and Environment
2300 South Dirksen Parkway
Attn: Consultant Unit
Room 330
Springfield, IL 62764

Regional/District Contact information

Region 1

District 1
Mr. Anthony Quigley
201 West Center Court
Schaumburg, IL 60196

Region 2

District 2
Mr. Kevin Marchek
819 Depot Avenue
Dixon, IL 61021

District 3
Mr. Kevin Marchek
700 East Norris Drive
P.O. Box 697
Ottawa, IL 61350

Region 3

District 4
Mr. Kensil Garnett
401 Main Street
Peoria, IL 61602

District 5
Mr. Kensil Garnett
Route 133 West
P.O. Box 610
Paris, IL 61944

Region 4

District 6
Mr. Jeffrey South
126 East Ash St.
Springfield, IL 62704

District 7
Mr. Jeffrey South
400 West Wabash
Effingham, IL 62401

Region 5

District 8
Mr. Jeffrey Keirn
1102 Eastport Plaza Drive
Collinsville, IL 62234

District 9
Mr. Jeffrey Keirn
State Transportation Building
P.O. Box 100
Carbondale, IL 62903

Tentative Schedule
For
Professional Transportation Bulletins

ACTIVITY	PTB 191	PTB 192	PTB 193	PTB 194	PTB 195	PTB 196
PUBLISH PTB	**02-07-19**	**05-02-19**	**08-01-19**	**11-07-19**	**02-06-20**	**05-07-20**
***STATEMENTS OF INTEREST ARE DUE	**02-28-19**	**05-23-19**	**08-23-19**	**12-05-19**	**02-27-20**	**05-28-20**
SELECTION MEETING	**04-24-19**	**07-17-19**	**10-16-19**	**01-29-20**	**04-22-20**	**07-22-20**

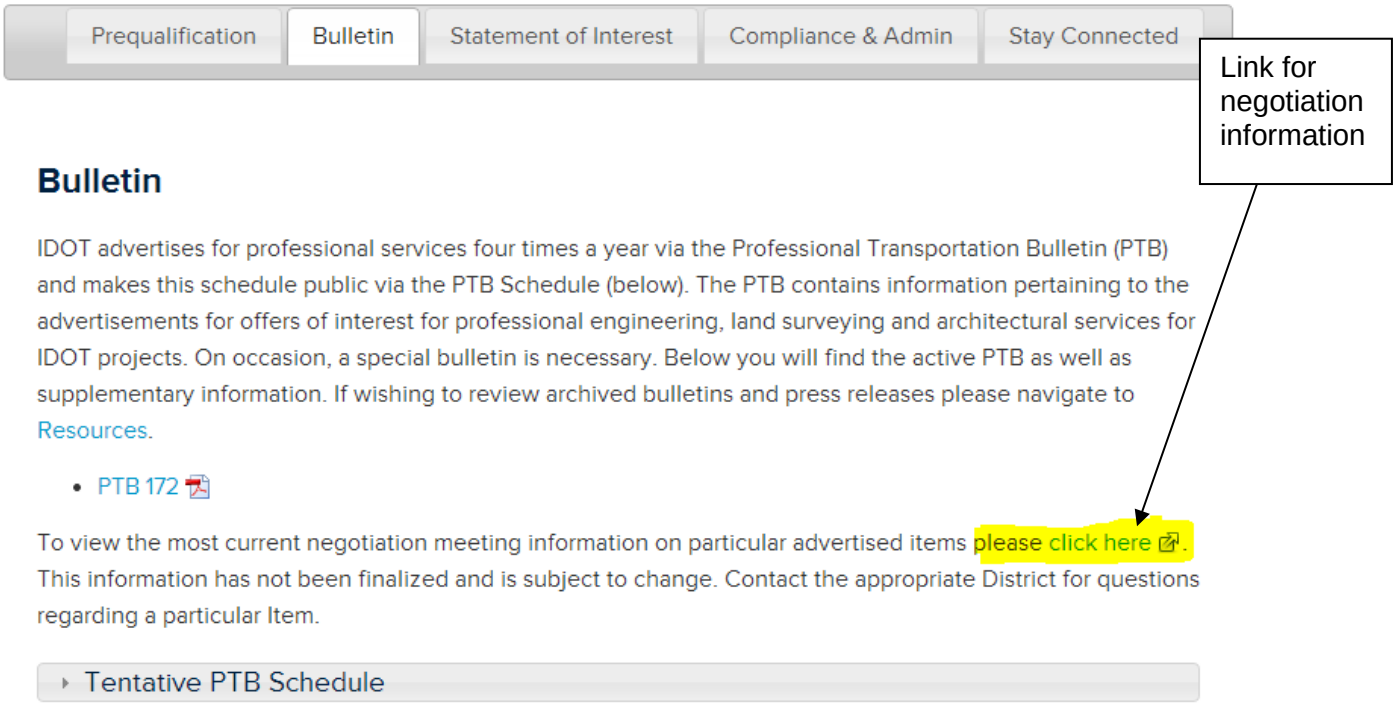
***** STATEMENTS OF INTEREST FOR THE CURRENT PTB MUST BE RECEIVED BETWEEN, Publish Date 11-08-18 & 11-29-18 (12:00 P.M. NOON)**

STATEMENTS OF INTEREST RECEIVED AFTER 12:00 P.M. WILL NOT BE CONSIDERED.

Only SUBMITTALS through EPAS will be considered for Professional Transportation Bulletins.

NOTICE

Proposed Negotiation Meeting information for Items will be available under the Bulletin Tab at the following link: Engineering, Architectural & Professional Services

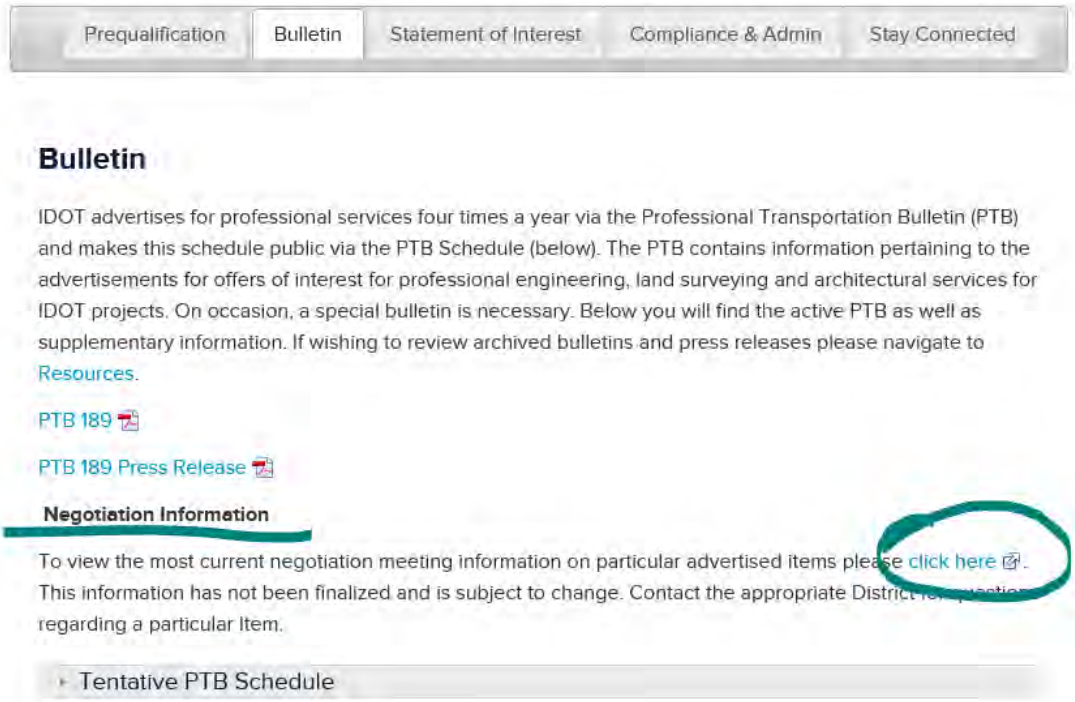


- **Region 1**
  - **Anthony Quigley**
    - **District 1**
      - **Items 1 -21**
- **Region 2**
  - **Kevin Marchek**
    - **District 2**
      - **Items 22 – 24**
    - **District 3**
      - **Items 25 - 26**
- **Region 3**
  - **Kensil Garnett**
    - **District 4**
      - **Items 27- 29**
- **Region 4**
  - **Jeffrey South**
    - **District 6**
      - **Items 30 - 31**
- **Region 5**
  - **Jeffrey Keirn**
    - **District 8**
      - **Items 31 - 34**
    - **District 9**
      - **Item 35**
- **Office of Planning and Programming**
  - **Aviation Section**
    - **William Murray**
      - **Items 36-37**
- **Bureau of Bridges & Structures**
  - **Carl Puzey**
    - **Items 38 - 39**
- **Bureau of Operations**
  - **Amy Eller**
    - **Item 40**
- **Bureau of Research**
  - **LaDonna Rowden**
    - **Items 41 - 43**
- **Department of Natural Resources**
  - **Item 44-45**

NOTICE

A reminder to view the Negotiation Site. It only takes a few seconds to check for additional information provided by the district for projects on the bulletin.

We encourage the use of the site: **Negotiation Site**



Illinois Department of Transportation

STTP S-33 Soils Field Testing and Inspection Course

Course Objectives: This course prepares construction and materials personnel with the basic skills and guidance to properly perform field testing and inspection of subgrade, embankment, and shallow foundations for various structures. This course also describes common geotechnical problems and the remedial actions generally used to correct them.

Upon successful completion of the course, students should be able to:

- Determine the field moisture content along with the in-situ wet and (corresponding) dry densities
- Use the Family of Curves and One Point Proctor to determine the Standard Dry Density (SDD) and Optimum Moisture Content (OMC) of a given soil
- Determine percent compaction and percent of OMC
- Determine soil stability and strength in the field using a Static and Dynamic Cone Penetrometer
- Properly inspect embankment construction
- Check roadway subgrades and determine undercut and treatment depths
- Perform inspection and soil testing to verify or establish the adequacy of foundation material for box culverts and shallow structure foundations

Successful completion of this course meets consultant eligibility requirements for Department prequalification.

Course Materials: Soils Field Testing and Inspection: Course Reference Manual
If an updated version is available it will be provided in class.
Students will need to bring a pencil, calculator and note pad with them.

Enrollment: Please have one coordinator from your company contact Mr. Paxton Harmon at 217-524-0634 or preferably by email at Paxton.Harmon@illinois.gov to enroll students in a class. **Each student will be put on a waiting list for the class of their choice**. Two to three weeks prior to class start the student or coordinator will be contacted with confirmation of enrollment. If the student cannot be enrolled in the class, they will be contacted and asked for their second class choice.

There is no fee for this class at this time.

Schedule: Each class is three days. The first day starts at 1:00pm and ends at 4:30pm. The second day starts at 8:15am and lasts until 4:30pm. The third and final day starts at 8:15am and ends around noon. The 2018-19 training schedule is listed below:

Class Dates/Location:

IDOT District One: **Materials Laboratory**
101 West Center Court
Schaumburg, Illinois 60196

- Nov 27-29
- Jan 8-10
- Feb 5-7
- Mar 19-21

IDOT District Three: **"The Starved Rock" Conference Room**
700 East Norris Drive
Ottawa, Illinois 61350

- Mar 4-6

IDOT District Six: **Chastain Conference Room,**
126 E. Ash Street
Springfield, Illinois 62704

- Dec 11-13

IDOT District Seven: **Effingham County Emergency Management Building**
311 Miracle Drive
Effingham, Illinois 62401

- Feb 20-22

Introduction

STATE OF ILLINOIS
Department of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

PROFESSIONAL TRANSPORTATION BULLETIN #190
Publish November 08, 2018

This bulletin is the official notice of needed professional services for the Illinois Department of Transportation (IDOT).

A notification of the PTB being published is sent to each professional consultant on IDOT's subscription server list. A Professional firm who is not prequalified may obtain the necessary information and forms to become prequalified from the INTERNET at: Engineering, Architectural & Professional Services

This is not an invitation for bids. Firms properly prequalified for any of the projects listed herein may indicate their desire to be considered for selection by submitting a Statement of Interest for the project through the Engineering and Prequalification Agreement System (EPAS).

IDOT shall not discriminate based on race, color, national origin, or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE Program or the requirements of 49 CFR part 26. IDOT shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts.

STATEMENTS MUST BE RECEIVED BY THE BUREAU OF DESIGN AND ENVIRONMENT, VIA EPAS, PRIOR TO 12:00 P.M. Central Standard Time, November 29, 2018. STATEMENTS RECEIVED AFTER THIS TIME WILL NOT BE CONSIDERED.

The selection of professional consultants by IDOT is not based on competitive bidding but on the firm's professional qualifications, experience, and expertise of key personnel to be assigned to the project with consideration also given to the criteria established in the Advertisement:

Rating Description	Weighted %
Past Performance in Project Categories	0-30
Proposed Staffing from Prime and any subconsultants	0-30
Proximity of firm to project location	0-10
Proposed DBE use	
Available work capacity of firm	0-30
The firms experience in with required project work	0-30
Firms understanding/method of accomplishing project requirements	0-30
Project Specific Criteria: Specific requirement in an advertisement	0-30
Total=	100

All members of the Consultant Selection Committee will be **unavailable** during the two-week period preceding the Selection Committee Meeting.

Departmental procedures ensure all members of the Consultant Selection Committee are provided with detailed information concerning all Statements of Interest submitted by all consultants. Please do not send letters and/or e-mails expressing your interest in various projects and/or correspondence concerning your firm to members of the Consultant Selection Committee per Illinois Procurement and Ethics (5 ILCS 430/5-50).

Information for Submitting Statements of Interest (SOI)

The firm acting as the prime must be prequalified in all of the prequalification categories requested in the project advertisement even if they plan to subcontract part of the project, except where noted in a specific project advertisement. Any work being done by a consultant, prime or sub must be prequalified in the IDOT prequalification category of work they are performing.

Prequalified firms may indicate their desire to be considered for selection on any of the projects listed herein by submitting a separate Statement of Interest (SOI) for each project.

All interested firms must submit through the Engineering Prequalification and Agreement System (EPAS). This includes specialty firms, for items in the Professional Transportation Bulletin that do not have prequalification categories, i.e. firms not prequalified in the established prequalification categories; typical items are painting, manual rewrites, steel fabrication inspection, specific testing, etc. These firms must contact DOT.ConsultantServices@illinois.gov to establish an account.

The EPAS instruction manual is located on the IDOT Website under Resources: Manuals & Guides: EPAS Manual

Information to consider when submitting:

- A brief statement of the firm's interest in performing the work. (Should be concise to the point, suggest approximately 2 pages)

- Color graphics/photographs, charts, graphs etc. can be used at your discretion. Make applicable to the requested advertisement.

- **Exhibit A** is used to give a snap shot of the firm's proposed staff as follows:
    - List the required key personnel to match required prequalification categories and any additional personnel requirements designated in the project advertisement. (Include firm name if work is to be completed by Subconsultant)
    - QC/QA personnel must be different individuals than the staffing, which prepared the documents.
    - Attach resumes of all key personnel listed in the SOI. It is recommended the individual resumes should be approximately two pages and must be relevant to the expertise required for the specific project.
    - Designate the estimated time required to complete the project using the personnel presented. A completion date and/or number of months to complete the project should also be provided.
    - Identify proposed subconsultants, item(s) of work they will perform, and the estimated % of work. If a DBE Goal is in the advertisement then list the DBE subconsultant(s), the work they will be performing, and estimated % of the work. All Subconsultants must be prequalified in the area of work they will be performing.
    - Include Mentor Protégé data if participating.

Information for Submitting Statements of Interest (SOI)

- **Exhibit B** is required for Projects involving Location Design Studies (Reconstruction/Major Rehabilitation and New Construction/Major Reconstruction) and all Environmental Reports (Environmental Assessment and Environmental Impact Statements) EPAS prompts the user to complete form B when it is required.

- Under 3. Experience of the staff or firm in accomplishing similar types of work should be shown for only the most recent projects and should be concise and relevant to the expertise required for the specific project. If there are several projects with the same work completed, then one summary would be adequate with each location and the project manager noted for each. This information should be shown at the end of the SOI.

- Under: 4. Summarize any other information specifically requested in the project advertisement: In addition to the above requirements, any other information specifically requested in the project advertisement should also be included in the submittal. The specifics for addressing the criteria in the advertisement may be included here.

- Under 6. Include the Subconsultant Utilization Plan. It is not required to be completed at SOI time. Must match the SOI subs, categories and estimated percent's. Sub U-Plan Required to be completed if selected.

- The Current Obligation's information is an on line application in EPAS. It must be completed before you submit the Statements of Interest.

- Instructions for completing Disclosure **Forms A** and **B** are included on pages 1 and 2 immediately preceding **Forms A** and **B** Disclosure. The Disclosure Forms are a separate document and one set for each prime is submitted. In addition, **Form B** should not include IDOT projects, since this information is already included in the **Current Obligations**.

- The Delinquent Debt is generated in the EPAS system and is submitted as a separate document. Only one document, for prime and subconsultants, with all pertinent data is required. Instructions are included with the Delinquent Debt.

- The Disclosure of Business Operations in Iran is also a separate document. Only one document for each prime is required. Instructions are included at the bottom of the Disclosure of Business Operations in Iran document.

- Exhibit A, Exhibit B (when applicable), the Current Obligations, Disclosures A & B, Delinquent Debt Certification, and Disclosure of Business Operations in Iran are required to be considered.

  Note: Actual signatures are required on the documents. Documents without actual signatures will be returned.

PROFESSIONAL TRANSPORTATION BULLETIN

REQUIRED FORMS

FOR

STATEMENT OF INTEREST SUBMITTAL

The information in all forms is required as part of all Statement of Interest submittals. The EPAS application has the ability to include all the required information. Some forms are attached and some data is entered into EPAS directly to generate the data for the form. There is an EPAS Instruction Manual for your use and can be used when completing the SOI in EPAS.

Please review the EPAS Manual instructions for the submittal process.

- The BDE Current Obligations is completed in EPAS; it is not a separate document.
- The Delinquent Debt is generated in EPAS based on the Statements of Interest applications and is required to be completed by prime and subs and attached in the EPAS application.
- The Disclosure forms A & B are submitted via EPAS. The form is required to be completed, signed and attached separately and then attached in the EPAS Application.
- The Disclosure of Business Operations in Iran BDE Form (BDE 2900), the form is required to be completed and attached separately and then attached in the EPAS Application.

Required forms are located on the IDOT website, under the Statement of Interest Tab.

All signatures are required to be actual signatures.

Forms without an actual signature will be returned.

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Region 1/District 1		
1.	Various	Job No. M-91-003-19, Various Construction Inspection Projects
2.	Various	Job No. D-91-062-19, Various Phase II Traffic Signal Design Projects
3.	Various	Job No. M-91-001-19: Various Bridge Painting Inspection Projects
4.	Various	Job No. P-91-030-19: Phase I Geometrics Program Management Work for Various Projects
5.	Various	Job No. D-91-059-19, Phase II Engineering Project Management for Electrical, Mechanical and ITS Services
6.	Various	Job No. D-91-056-19, Various Hazardous Waste Assessments
7.	Various	Job No. M-91-002-19, Various Construction Inspection Projects
8.	Various	Job No. P-91-034-19, Various Survey Projects
9.	Various	Job No. P-91-035-19, Various Survey Projects
10.	Various	Job No. P-91-032-19, Various Environmental Studies/Projects
11.	Cook	Job No. D-91-055-19, FAP 350 IL 50 (Cicero Ave.) at BRC RR, Phase II Project
12.	Various	Job No. P-91-025-19, Phase I, Various Safety Assessment Projects
13.	Various	Job No. D-91-057-19, Various Value Engineering Projects
14.	Various	Job No. D-91-060-19, Various Phase II Projects
15.	Various	Job No. D-91-061-19. Various Lighting and Electrical Phase II Projects
16.	Various	Job No. HPR-66-072-19, Arterial Traffic Management Center, Phase I Project
17.	Various	Job No. P-91-031-19, Various Phase I Projects
18.	Cook	Job No. D-91-067-19, FAU 1453 Cermak Road Over IHB RR & Gardner Rd, 25th Ave, & Addison Creek, Phase II Project
19.	Cook	Job No. D-91-068-19, FAP 344, IL 83 (127th Street) At Cal Sag Channel, Phase II Project
20.	Cook	Job No. D-91-066-19, FAP 330 (US 12/20/45 - LaGrange Road) over Santa Fe Dr., S & S Canal, I & M Canal & ICG RR, Phase II Project

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Item	County	Description
Region 1/District 1 continued		
21.	Various	Job No. P-91-033-19, Various Survey Projects
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22.	Various	Job No. P-92-006-18, Various Phase I/II Projects
23.	Winnebago	Job No. BI-92-001-19, I-39 over Kishwaukee River - In-Depth Inspection, Installation of Sensors, Load Testing and Structural Evaluation
24.	Various	Job No. P-92-005-18, Various Phase I/II Projects
Region 2/District 3		
25.	Various	Job No. C-93-999-99, Various Construction Inspection Projects
26.	Various	Job No. C-93-999-19, Various Quality Testing for Precast & Prestressed Projects
Region 3/District 4		
27.	Peoria	Job Nos. P-94-017-17/D-94-039-17, Bridge Replacement/Rehabilitation, Adams Street over BNSF RR, U.P. RR and Clark Street in Peoria, Phase I/II Project.
28.	Various	Job No. P-94-003-19 Various Survey Projects
29.	Peoria & Tazewell	Job No. C-94-052-13, US 150 at the Illinois River, Phase III Project
Region 4/District 6		
30.	Various	Job No. D-96-021-18, Various Geotechnical Investigations
31.	Various	Job No. D-96-017-19, Various Phase I/II Projects
Region 5/District 8		
32.	Various	Job No. P-98-008-19, Phase I/II Various Projects
33.	Various	Job No. D-98-029-19, Various Surveying Projects
34.	Various	Job No. P-98-012-19/D-98-028-19, Local Roads Project Management for Various Projects

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Item	County	Description
Region 5/District 9		
35.	Various	Job No. D-99-067-18, Various Phase I/Phase II Projects
Bureau of Airport Engineering		
36.	Various	Job No. Aviation-Report-1, Illinois Aviation System Plan Report and Economic Impact Analysis, Statewide
37.	Various	Job No. Airport-Study-1, Aircraft Operations Study at Selected Non-Towered Airports Statewide
Bureau of Bridges and Structures		
38.	Various	Job No. BI-37-001-19, Various Engineering Services for Structure Projects Statewide
39.	Various	Job No. BI-37-002-19, Various Engineering Services for Structure Projects Statewide
Bureau of Operations		
40.	Various	Job No. HPR-66-075-19 Advanced Traffic Management System (ATMS) study
Bureau of Research		
41.	Various	Job No. HPR-25-003-19, Engineering Services for Pavement Testing, Engineering Evaluations and Performance Monitoring to be Performed Statewide
42.	Various	Job No. HPR-25-002-19, Engineering Services for Research Implementation, Surface & Structural Properties Analysis, and/or Pavement Design & Overload Analysis
43.	Various	Job No. HPR-25-004-19, Quality Review of the Illinois Roadway Information System (IRIS) Data and Data Remediation
Department of Natural Resources		
44.	Carroll	Job No. D-30-003-12, TCSP-09 IL (001), Savanna Palisades Trail Connects the City of Savanna and Illinois Route 84 through Mississippi Palisades State Park
45.	Various	IDNR Project OWR: Lake Michigan Water Allocation Review and Modification

1. **Job No. M-91-003-19, Various Construction Inspection Projects, Various Routes, Various Counties, Region One/District One.**

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 07, 2019** at **10:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase III engineering services are required to assist department resident engineers/technicians on various construction projects throughout District One. Eight (8) to twelve (12) engineers &/or engineering technicians are anticipated to be required during the 2019, 2020 and 2021 [if applicable] construction seasons. Typical assignments may include, but are not limited to, general construction inspection, project finalization and documentation, including PCC & bituminous concrete paving operations, drainage, patching, bridge structures, bridge painting, ICORS training/support, GPS verification and providing general assistance as a member of a field crew. Survey/layout services may be required. The Consultant will furnish a Project Manager and an adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the departmental policies. This work may be in either English or metric units.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant is prohibited. At the negotiations meeting, the prime Consultant, and subconsultant(s) will disclose all previous involvement in the district as well as all current relationships with contractors.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	25
Proposed DBE use	5
Available work capacity of firm	15
The firm's experience with required project work	15
Firm's understanding/method of accomplishing project requirements	15

The completion date for this contract will be 18 months after authorization to proceed.

The personnel shall have a good working knowledge of Department Specifications for Road and Bridge Construction, the Department Construction Manual and documentation and in inspection procedures.

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

- Project Manager
- Inspectors (A current IDOT Construction Documentation Certificate is desired)

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

2. Job No. D-91-062-19, Various Phase II Traffic Signal Design Projects, Various Routes, Various Counties, Region One/District One.

This project requires **23% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 31, 2019** at **9:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase II engineering services are required for all work associated with the complete preparation of plans, special provisions and estimates for traffic signal projects throughout District One. The proposed projects may consist of installation of new traffic signals, modifications and modernization of existing traffic signal systems, including temporary signal and system interconnect design. Project work is also expected to include site inspections, field measurements, performing all design functions and calculations, including time space diagrams where traffic signals will be interconnected. Traffic signal design shall conform to current issues of the following: State Standard Specifications, MUTCD for streets and highways, and all applicable NEC, NEMA, AASHTO, FHWA and District 1 Standards and Guidelines. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The Consultant may also be required to prepare plans, special provisions and estimates for roadway guide signs replacement plans as well as provide assistance in review and comment on consultant/contractor provided documents for contracts currently in design or construction. These may include, but are not limited to, flasher installation plans, traffic and signing design projects and construction shop drawings review.

The department will furnish the Consultant with any available project reports; existing plans, existing and proposed traffic volumes, accident data and topo-survey when available.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	10

The estimated engineering fee for this project is $400,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Traffic Signal Engineer, that individual who is directly involved in traffic signal design, modification and modernization. The Traffic Signal Engineer shall have working knowledge and extensive experience in traffic signal design and operation in IDOT Region One/District One (must be an Illinois Licensed Professional Engineer).

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Statements of Interest must also include the Consultant's relevant traffic signal projects completed by the firm for IDOT Region One/District One within the past four years by members of the Consultant's current key personnel. Do not include more than 10 applicable projects.

The prime firm must be prequalified in the **Special Studies (Traffic Signals)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

3. Job No. M-91-001-19, Various Bridge Painting Inspections, Phase III Projects, Various Routes, Various Counties, Region One/District One.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 07, 2019** at **11:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase III engineering services are required for the supervision, inspection, and documentation of various painting and inspection contracts. Work includes, but is not limited to, providing contract supervision/inspection for various painting and inspection contracts as requested by the District.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant is prohibited. At the negotiations meeting, the prime Consultant, and subconsultant(s) will disclose all previous involvement in the district as well as all current relationships with contractors.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	30
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	20

The completion date for this contract will be 18 months after authorization to proceed.

The Consultant will be required to furnish a laptop computer equal to the latest type used by the department for each project. Illinois Construction Records System (ICORS) software will be provided for downloading on the Consultant's computer.

The department will furnish the Consultant with site specific plans and specifications per project, the existing special provisions, the 2007 Standard Specifications for Road and Bridge Construction, the 2011 Supplemental Specifications, any other available paint data, and a contact person(s) to act as a liaison between the Consultant and the department.

The Consultant is required to have the following:

- Five years of experience in construction management and inspection services during surface preparation and coating application.
- Three years of experience in environmental and worker monitoring on industrial lead paint removal projects.
- Documented and acceptable quality control procedures.
- All necessary equipment to provide or accomplish the above-mentioned tasks.

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

- Project Manager, the person who will assume the duties of the Project Manager for all aspects of the work must be an Illinois Registered Professional Engineer.
  - Project Engineer, the person performing the duties of the Project Engineer must be a National Association of Corrosion Engineers (NACE) Certified Coatings Inspector – Level 3.
  - Resident Liaison Engineer, the person performing the duties of the Resident Liaison Engineer shall be a National Association of Corrosion engineers (NACE) Certified Coatings Inspector – Level 3 or shall possess similar experience and knowledge.
  - Inspectors (2 to 4) – The persons performing the duties of the Inspector must be a National Association of Corrosion Engineers (NACE) Certified Coatings Inspector – Level 3.
- The Documentation Engineer/Technician (1) - (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate. Include the **Documentation Certificate Number** for IDOT class, Documentation of Contract Quantities.

Statements of Interest must also include the following:

- Your firm's experience with this type of work, including the firm's experience in construction management and inspection and in environmental work and worker monitoring.

- Your firm's techniques for completion of this work.

- Names of key personnel along with resumes indicating qualifications including the registered Professional Engineer in charge of the project, the person who will act as project Engineer and the name(s) of the NACE Certified Coatings Inspector(s) who will act as Resident Liaison Engineer/Technician(s).

- A statement of your firm's ability to do the work in-house, or if necessary, what work you would need to subcontract.

- Name, location, and accreditation of laboratory to be used.

- A statement of your firm's ability to perform the work within the time-frame described above.

- The firm's quality assurance and quality control plan.

- Firm's calculated burden and overhead rate. (If selected firm must submit a SEFC in EPAS to obtain an approved overhead rate)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering Prequalification and Agreement System (EPAS).

Firms interested in submitting for this item and are not currently prequalified must contact the Bureau of Design and Environment via e-mail to establish an account in EPAS so the firm can submit a Statement of Interest. Any procedural questions regarding Statements of Interest submittal and to set up an account in EPAS may be directed to the Bureau of Design and Environment at DOT.ConsultantServices@illinois.gov.

4. Job No. P-91-030-19, Phase I Geometrics Program Management Work for Various Projects, Various Counties, Region One/District One.

This project requires **20% DBE** participation or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 25, 2019** at **1:00 P.M.** at the Region One, District One Office in **Schaumburg.**

Phase I services as an Engineering Program Management (PM) Consultant are required for geometrics engineering services. The PM Consultant will support various projects which are in various stages of development (planning, design, construction, and maintenance). The projects could be in-house or under contract with other consultant engineering firms. The projects could also involve developments and proposals sponsored by entities other than IDOT. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. Work for this project may be in either English or metric units.

The PM Consultant will be expected to perform work similar to an IDOT Geometrics Engineer & Staff, and report to the Geometrics Studies Unit Head. Key staff from the PM Consultant may be expected to perform work in the district offices from three to five days a week. The work may include conceptual plan development, plan review, traffic planning and impact assessment, scope development/scope evaluation, management, public coordination, administrative services, and other work as necessary.

The Consultant and/or their subconsultants on the project are prohibited from managing contracts where either party is the prime Consultant or a subconsultant. The selected firm and/or their subconsultant may not manage another firm if the relationship was reversed during another phase of work.

The PM Consultant must be proficient in Microstation, GeoPak, Highway Capacity Software, CORSIM, and VISSIM.

The department will provide all IDOT policies and procedures governing this PM Consultant position.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	15
The firm’s experience with required project work	20
Firm’s understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $2,000,000. The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibits A and B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will assume the duties of Project Engineer, that individual-in-charge of the day to day program management work (must be an Illinois Licensed Professional Engineer).

- The person(s) who will perform the QC/QA review work of all milestone submittals (must be an Illinois Licensed Professional Engineer).

Statements of Interest must also provide a proposed organization chart for the proposed PM Consultant team with proposed percentage of time commitment, as well as the approach the firm would take on this project, a summary of the pertinent experience of the firm developing and managing phase I highway projects, and a description of the PM experience as well as proficiency with the various types of computer software such as Microstation, GeoPak, Highway Capacity Software, CORSIM, and VISSIM.

The prime firm must be prequalified in the following categories to be considered for this project:

Location/Design Studies - Reconstruction/Major Rehabilitation

Special Studies – Traffic Studies

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

5. Job No. D-91-059-19, Phase II Engineering Project Management (PM) for Electrical, Mechanical and ITS Services- Various Routes, Various Counties, Region One/District One.

This project requires **16% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 30, 2019** at **2:00 P.M.** at the Region One/District One Office in **Schaumburg.**

A Project Management (PM) Consultant is required to perform work similar to an IDOT Electrical Design and Lighting Manager & staff and reports to the District One Traffic Operations Bureau Chief. Key staff from the PM Consultant will be expected to perform work in the District offices from three to five days a week or as needed. The PM staff shall provide electrical, mechanical, and ITS engineering services as assigned in District One. Assignments may include engineering, engineering management, public coordination, administrative services, review of various reports and other work as necessary to ensure assigned projects are brought to completion in accordance with established schedules and budgets. Projects of varying complexity may be assigned to the PM Consultant including but not limited to the management and review of studies, reports and construction documents for roadway lighting, storm water pump stations, communication systems and ITS projects prepared by other consultant engineering firms or in-house staff. The PM consultant shall provide guidance and technical advice to design and construction personnel. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

PM Consultant personnel shall have a good working knowledge of the Department's Specifications for Road and Bridge Construction, Construction Manual, and Bureau of Design and Environment Manual, District One EMC; national publications such as the National Electrical Code, OSHA, IES, MUTCD and AASHTO guidelines and standards; and IDOT documentation/inspection procedures.

The selected Consultant and/or their subconsultants on this project are prohibited from managing contracts where either party is the prime Consultant or a subconsultant. The selected firm and/or their subconsultants may not manage another firm if the relationship was reversed during another phase of work.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will assume the duties of the Project Engineer, that individual-in-charge of the day to day project management work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will assume the duties of Electrical Engineer and Mechanical Engineer (must be an Illinois Licensed Professional Engineer).
- The person(s) who will review storm water pump station related reports, design and construction documentation. (must be an Illinois Licensed Professional Engineer).
- The person(s) who will assume the duties of an ITS Engineer.
- The person(s) who will perform the QC/QA review work for all milestones submittals (must be an Illinois Licensed Professional Engineer).

Statements of Interest must also include a proposed organizational chart for the proposed PM Consultant team with the proposed percentage of time commitment, the approach the firm would take on this project, and a summary of the pertinent experience of the firm managing engineering projects. Statements of Interest must also include the Consultant's relevant projects completed by the firm within the past five years by the key staff members listed in the Statement of Interest. Do not include more than 10 applicable projects.

The prime firm must be prequalified in the following categories to be considered for this project:

Special Services (Electrical Engineering)

Special Services (Mechanical Engineering)

Special Studies (Pump Stations)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

6. <u>Job No. D-91-056-19, Various Hazardous Waste Assessments, Various Routes, Various Counties, Region One/District One.</u>

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 31, 2019** at **9:00 A.M.** at the Region One, District One office in **Schaumburg**.

The department has contracted with the Illinois State Geological Survey (ISGS) to conduct preliminary environmental site assessments (PESA's) of property proposed for highway use. ISGS conducts land-use history investigations; researches federal, state, and local records; conducts field surveys; and determines if the property contains recognized environmental conditions (RECs), deminimis conditions, or no RECs. Work orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis.

Based on PESA results, districts work with the Environment Section of the Bureau of Design and Environment (BDE) to decide whether additional analyses or other remediation actions are necessary.

Engineering services are required to perform "Preliminary Site Investigations" (PSI's), and when necessary Detailed Site Investigations (DSI's) which are identical to CERCLA RI/FS's. PSI's will entail investigations of sites potentially containing regulated substances. A variety of sites may be investigated (e.g., old, abandoned, or improperly closed dumps, chemical manufacturing sites, metal plating / fabricating sites, dry cleaning/service stations, storage tank sites and buildings, structures containing potential contamination, spills in IDOT yards, and screening for the presence of radionuclides).

Also, provisions for laboratory and field testing including geophysical surveys when needed will be required for a wide variety of regulated substances including but not limited to: soil and water quality parameters including contaminants i.e., PCB's, pesticides, heavy metals, organics and radioactive wastes.

Additional work will include conducting surveys and testing, if applicable, of stored materials, tank contents, and containers to determine whether hazardous waste, special waste, hazardous materials, or other regulated substances are present, conducting environmental compliance audits and developing or maintaining environmental management systems.

The department will furnish the Consultant with the PESA and, as available, Project Reports, field survey data, soil survey data, and plans of the existing and proposed transportation facility. Evaluation, summarization, engineering analysis, and reporting on PSI's, DSI's, laboratory analysis and survey work are included as an important part of this work.

ANTICIPATED WORK SUMMARIES FOR THE VARIOUS TYPES OF POSSIBLE WASTE ASSESSMENTS:

<u>POTENTIAL WASTE SITES INCLUDING UST-LUST SITES</u>

Engineering services are required to perform Preliminary Site Investigations (PSI) and on occasion, Details Site Investigations (RI/FS's and RCRA assessments), plus projects requiring remedial design, which may include underground storage tank (UST) removal, and construction oversight of sites suspected to contain regulated substances, UST and leaking tanks (LUST), and/or unsecured materials of concern. The PSI's are to include verification of subsurface

geologic and hydrologic conditions, identification of chemical contamination and identification of the extent of chemical contamination, when feasible

.

PSI investigations include items of work such as work plans, health and safety plans, surface geophysical investigations, trenching, drilling, sampling, chemical analysis, and reporting. Laboratory testing, including quality assurance/quality control is considered to be the responsibility of the Consultant.

Following the completion of on-site activities, the firm will compile and evaluate the data and condition of each investigated property. Soil and groundwater analytical results will be compared to the applicable remediation objectives for the maximum allowable concentrations of chemical constituents in uncontaminated soil used as fill material at regulated fill operations (MAC) (35 Illinois Administrative Code (IAC) 1100.605 Subpart F and Title 35 IAC Part 742, Tiered Approach to Corrective Action Objectives (TACO).

For example, the PSI report will include an estimate of total volume of impacted soil exceeding MAC table and groundwater exceeding TACO remediation objectives. If potentially impacted soil and / or groundwater are encountered, an approach for the management and, if necessary, the off-site disposal of these materials will be presented. Approximate volume estimates and associated cost estimates for transportation and disposal will be developed and presented based on information gathered during the scope of this PSI, as well as measures to reduce potential construction worker exposures to soil exceeding ingestion or inhalation reference concentrations. Recommendations for further investigation will be presented if it is necessary to more accurately define the extent of contamination.

As a task is identified, the department will request the Consultant to prepare an outline of the work phases and technical approach, personnel requirements, detailed cost breakdown, and a schedule that is consistent with the task request. When a task order is awarded for investigation, the Consultant will be fully responsible for the sampling, testing and reporting.

For performance of this work, the Consultant will be required to assign the necessary full-time staff described in its Statement of Interest and, in many cases (except emergency response oversight), to respond with a draft work plan within 15 working days of tasking, conduct field work within ten working days after authority to proceed, prepare the draft report within three months after the authority to proceed, and complete the final report two weeks following IDOT comments. For emergency response oversight, the Consultant will be required to respond within four hours. The DEPARTMENT will typically assign a target final report completion date to each work order. Assuming sufficient lead time has been provided by the district, the DEPARTMENT will normally request submittal of the final report no later than eight to 17 weeks prior to the anticipated letting date.

The Consultant will be required to prepare IEPA LPC-663 forms (Uncontaminated Soil Certification for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation [USFO]). This certification form is used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil is uncontaminated soil and is within a pH range of 6.25 and 9.0, inclusive. The firm's professional engineer or professional geologist will be required, when necessary based on results of the PSI, to stamp and sign the LPC-663 forms.

MISCELLANEOUS SURVEYS AND TESTING

Engineering services to perform environmental surveys and/or testing on an as-needed basis will include assignments such as conducting surveys and testing of stored materials, tank contents, containers, and environmental media (e.g., surface water, soil, air, and groundwater). The work may also include assignments such as reviewing and evaluating existing property-specific information, providing technical expertise on an as-needed basis, corrective actions in order to achieve "No Further Remediation" clearance, and other ad hoc environmental-related tasks within the scope of services normally provided by a hazardous waste Consultant.

EMERGENCY RESPONSE OVERSIGHT

Engineering services are required to perform emergency response oversight. Oversight shall include but not be limited to review of health and safety plans, drilling, sampling, chemical analysis, waste classification, reporting and coordinating the release with the proper authorities (IEPA, IEMA, U.S. EPA, Army Corps of Engineers and/or other State or Federal Agencies). Laboratory testing, including quality assurance/quality control is considered to be the responsibility of the Consultant. The Consultant should be prepared to perform any task to minimize the release and cleanup. The goal of these work assignments is to obtain closure for the release from the proper State and Federal Agencies.

ENVIRONMENTAL PLANS FOR DEPARTMENT OPERATIONS FACILITIES

Engineering services may be required to review current department operational facilities on current practices that impact the environment, investigate past practices and make recommendations for mitigation and improvements. Assist with the development of an environmental management system, which will provide a framework for practices, procedures, and processes to manage the Bureau of Operations' Environmental Program.

EXTRANET

To help the department facilitate review of work plans and PSI reports and project tracking, the Consultant will be required to upload all information regarding each work order and to provide any technical assistant necessary to ISGS in the maintenance of the extranet site hosted by ISGS. Information uploaded shall include but not be limited to draft and final work plans, draft and final PSI reports, budget information, analytical results, site location maps, site photographs, and progress reports.

CONFIDENTIALITY

(1) Unless otherwise directed by IDOT, the Consultant shall hold all information provided by IDOT and the results of the work performed by the Consultant confidential and shall not disclose the same to any third party except where required by governmental regulatory agencies or as otherwise required by law. Documents shall be marked "Confidential," "Attorney Work Product," "Attorney-Client Privileged," or as directed by IDOT. The confidentiality provisions herein shall survive any termination or expiration of this agreement. The Consultant shall retain the right to disclose necessary information for financial, tax and insurance audits as required, subject to a confidentiality agreement with the auditor. Specific information concerning the work performed will not be disclosed without IDOT's prior approval.

(2) It is understood that: (i) you will make a reasonable effort to be available upon reasonable advance notice; (ii) you will keep confidential all information obtained, or analyses developed, in connection with this litigation or any related litigations with respect to which we may seek your advice and counsel; (iii) you will use such confidential information solely in connection with your engagement by IDOT; (iv) you will preserve any written materials, including e-mails generated or received by you in connection with this engagement, as such materials are

potentially discoverable in litigation; (v) you will not in the future consult for, or otherwise represent, any other person or entity with an interest adverse to IDOT's interests in or concerning the pending litigation, or the events or occurrences out of which the pending litigation arises; and (vi) you will keep confidential your retention by IDOT, unless and until you are identified in court papers as a testifying expert or we otherwise authorize you to breach this confidentiality.

(3) It is specifically understood that if you are later designated a testifying expert, all documents that you create may become discoverable, including drafts and notes prepared prior to the time that your opinion or report is finalized.

Therefore, you agree that: (i) you will not prepare any draft opinion or report without our consent (regardless of whether the draft is for internal purposes or to share with others); (ii) you will not share any draft opinion or report, or any notes, with any other person without our consent; (iii) every draft opinion or report will bear the following legend: 'THIS IS A PRELIMINARY DRAFT. IT HAS BEEN PREPARED BASED ON PRELIMINARY INFORMATION AND ASSUMPTIONS. NO ONE MAY RELY ON THIS DRAFT. IT IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION BECOMES AVAILABLE OR IS CLARIFIED'; (iv) all notebooks or individual pages of notes will bear the following legend: 'THESE NOTES ARE INCOMPLETE AND HAVE BEEN PREPARED FOR PERSONAL USE ONLY. NO ONE MAY RELY ON THEM FOR ANY PURPOSES. IT IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION BECOMES AVAILABLE OR IS CLARIFIED'.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	25

The estimated engineering fee for this project is $5,000,000. The completion date for this contract (excluding emergency response oversight) will be 60 months after authorization to proceed.

Statements of Interest must include the following:

1. The location of the office from which the majority of work on this project will be performed and managed.
2. An organization chart showing the Administrative / Managerial Staff of the office and a flow chart of key Technical / Professional Staff, including field and risk assessment staff that will be assigned to this project. Similarly, information of subconsultants' location/ organization should be provided.
3. The name of the laboratory that will be used for this project. The selected firm must have the capability of using either in-house or subcontracted laboratory facilities, which are qualified to work on IEPA sites. The laboratory shall have an approved IEPA quality assurance plan and follow that plan in performing the analyses.
4. A statement of your firm's ability to do the work in-house, or if necessary, what work is to be subcontracted. Indicate item(s) of work, which would be subcontracted, and the proposed subcontractor(s).

5. A description of your mobilization plan to be used upon notification that a work order has been authorized.
6. A discussion of your organizational and management practices to maintain established schedules, avoid cost overruns, and inform IDOT of the status of work orders.

The prime firm must be prequalified in the **Special Services (Hazardous Waste - Advance)** category. It is desired the firm be familiar with IDOT contracts.

The chosen firm will have a wide range of experience and sufficient breadth and depth to adroitly handle anything in the special waste/hazardous waste field. The firm will have expert staff to minimize the start-up learning curve for work under this PTB. Previous experience and knowledge on IDOT projects is not necessarily required. Some work will involve experience equivalent to the Special Services, Hazardous Waste-Simple prequalification category.
Firms will be evaluated on their ability to comprehend the scope of work, as evidenced by their statements of interest and prequalification packages, the quality and experience of their assigned staff; team organization, management and responsiveness; and management and data quality assurances as evidenced by laboratory procedures. The mobilization plan in the SOI will provide sufficient detail to demonstrate understanding of the process.

Additionally, the firm must comply with the following:

- Use laboratory facilities that are accredited by the IEPA under 35 Illinois Administrative Code 186.
- Use appropriately licensed and certified equipment and appropriately licensed and registered subconsultants.

Statements of Interest, including resumes of key people to be used on the project, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering Prequalification and Agreement System (EPAS).

7. Job No. M-91-002-19, Various Construction Inspection Projects, Various Routes, Various Counties, Region One/District One.

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 07, 2019** at **9:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase III engineering services are required to assist department resident engineers/technicians on various construction projects throughout the District One area. Eight (8) to twelve (12) engineers and /or engineering technicians are anticipated to be required during the 2019, 2020 and 2021 [if applicable] construction seasons. Typical assignments would include, but are not limited to, general construction inspection, project finalization and documentation, including PCC & bituminous concrete paving operations, drainage, patching, bridge structures, bridge painting, ICORS training/support, GPS verification and providing general assistance as a member of a field crew. Survey/layout services may be required. The Consultant will furnish a Project Manager and an adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the departmental policies. This work may be in either English or metric units.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant is prohibited. At the negotiations meeting, the prime Consultant, and subconsultant(s) will disclose all previous involvement in the district as well as all current relationships with contractors.

The personnel shall have a good working knowledge of Department Specifications for Road and Bridge Construction, the Department Construction Manual and documentation and in inspection procedures.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	25
Proposed DBE use	5
Available work capacity of firm	15
The firm's experience with required project work	15
Firm's understanding/method of accomplishing project requirements	15

The anticipated completion date for this contract is approximately 18 months after authorization to proceed is given.

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

- Project Manager

- Inspectors (A current IDOT Construction Documentation Certificate is desired)

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

8. Job No. P-91-034-19, Various Survey Projects, Various Routes, Various Counties, Region One/District One.

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants of the prime Consultant will using are scheduled to attend an initial meeting on **January 25, 2019** at **9:30 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase I engineering services are required for various route surveying projects throughout District One. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with alignment data, existing right-of-way plats, Sidwell maps, benchmarks and coordinates available for the projects, along with any archived survey notes as each work order is negotiated.

Work may include, but is not limited to, route surveys, topographic surveys, cross-sections, profile, existing and proposed centerline alignments, drainage inverts, locating existing right-of-way monument, plotting of field information, mapping projects, and any other tasks deemed necessary to complete the work in accordance with the Department's Survey Manual and District One procedures. All survey information will be acceptable for design purposes and formatted per IDOT specifications. All data collected electronically or plotted will comply with IDOT CADD standards and use standard IDOT Survey Point Codes. Some GIS and database work may be required.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 36 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Land Surveyor.)

- The person who will perform the QA/QC review work of all milestone submittal documents (must be an Illinois Licensed Professional Land Surveyor.)

The prime firm must be prequalified in the **Special Services (Surveying)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

9. <u>Job No. P-91-035-19, Various Survey Projects, Various Routes, Various Counties, Region One/District One.</u>

This project requires **22% DBE** participation or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants of the prime Consultant will using are scheduled to attend an initial meeting on **January 25, 2019** at **10:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase I engineering services are required for various route surveying projects throughout District One. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with alignment data, existing right-of-way plats, Sidwell maps, benchmarks and coordinates available for the projects, along with any archived survey notes as each work order is negotiated.

Work may include, but is not limited to, route surveys, topographic surveys, cross-sections, profile, existing and proposed centerline alignments, drainage inverts, locating existing right-of-way monument, plotting of field information, mapping projects, and any other tasks deemed necessary to complete the work in accordance with the Department's Survey Manual and District One procedures. All survey information will be acceptable for design purposes and formatted per IDOT specifications. All data collected electronically or plotted will comply with IDOT CADD standards and use standard IDOT Survey Point Codes. Some GIS and database work may be required.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	20
Firms understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 36 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Land Surveyor.)

- The person who will perform the QA/QC review work of all milestone submittal documents (must be an Illinois Licensed Professional Land Surveyor.)

The prime firm must be prequalified in the **Special Services (Surveying)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

10. Job No. P-91-032-19, Various Environmental Studies/Projects, Various Routes, Various Counties, Region One/District One.

This project requires **8% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 23, 2019** at **9:00 A.M**. at the Region One, District One Office in **Schaumburg.**

The Consultant will be expected to perform work in the district office as needed. The Consultant may also be required to assist the district in reviewing, overseeing, tracking, and prioritizing projects being performed by IDOT personnel and other consultants. The Consultant's work may include engineering services for the preparation of wetland delineations, tree surveys, noise analyses and noise analysis reviews, Special Waste coordination, as well as other special environmental services for various roadway projects to enable the department to proceed with Phase I studies and prepare contract plans. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with any relevant and available information including project location exhibits and any available field data that can be used for the project(s).

The Consultant's work includes, but is not limited to, wetland delineations and/or tree surveys for various projects at various locations throughout District One, Region One. The wetland surveys will consist of a wetland assessment, including aerial photograph delineations. The wetlands shall be delineated in electronic format, which shall be provided to the department upon submittal of the completed report. All data collected electronically or plotted, must comply with IDOT CADD standards. The tree surveys will require the Consultant to visit the project location to identify the station and offset of all trees as well as provide information about the trees including, but not limited to, type, health, structure, and percentage of exfoliating bark. Noise analyses may need to be performed by this Consultant for specific situations as well as noise analysis reviews for noise investigations performed by others.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	15
The firm’s experience with required project work	15
Firm’s understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $1,000,000. This work must be completed within 60 months after authorization to proceed.

The Consultant having an office within the six-county area covered by IDOT District One, Region One is desirable.

Key personnel listed on **Exhibits A and B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents
- One or more personnel trained and experienced in wetland biology/ecology with a degree in a related science. Training in Habitat Evaluation Procedure (HEP) is also desirable.
- One or more personnel trained and experienced in hydrology (especially wetland hydrology) with a degree in a related field.
- One or more personnel trained and experienced in geology and/or soil science (particularly hydric soils and ground water) with a degree in a related field.
- One or more personnel trained and experienced in forestry (an Urban Forrester certified by the Illinois Arborist Association is desirable).
- One or more personnel familiar with the Forest Preserve District's within the IDOT District One and McHenry County Conservation District's tree assessment requirements is also desirable.
- One or more personnel trained and experienced in highway noise investigation and familiar with the Highway Traffic Noise Assessment Manual as well as Illinois State and Federal Highway Administration noise policies and procedures.

Prima Fascia evidence of expertise and experience would include copies of documents from the U.S. Army Corps of Engineers (preferably the Chicago District) and/or the Illinois Department of Natural Resources indicating that wetland delineations performed by the firm were approved and/or accepted by those agencies.

The prime firm must be prequalified in the **Environmental Reports (Environmental Assessment)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

11. Job No. D-91-055-19, FAP 350 IL 50 (Cicero Ave.) at BRC RR, Phase II Engineering, Cook County, Region One/District One.

This project may contain **Federal Funds**.

This project requires **18% DBE** participation or if the contract goal Is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 01, 2019** at **9:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for improvements to IL 50 (Cicero Avenue) at BRC Railroad. The Consultant's work is expected to consist of preparing roadway plans, specifications and cost estimates. The improvement consists of bridge deck overlay and bridge joint repairs. The proposed work is also expected to include bridge hydroscarification, reconstruction of all transverse expansion joints to strip seals, latex concrete overlay, overlay approaches to accommodate the change in profile, clean and reseal the relief joints, upgrade guardrail to bridge connections, structural repair of concrete for parapets and substructure elements, protective shielding over railroad tracks, and concrete sealing of sidewalk and parapets. This project is located in the Village of Bedford Park and the City of Chicago.

The following structures are anticipated to be included in this project:

- S.N. 016-2512 (Existing) – BRC Railroad under IL 50
- S.N. 016-2513 (Existing) – BRC Railroad under IL 50

The department will furnish the Consultant with all available microfilm plans, field notes, any available data, and other necessary items.

The Consultant's work includes roadway plans, TS&L, structure plans, supplemental surveys, all applicable permits and all other necessary related work to complete Phase II contract plans.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	15
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	30
Firm's understanding/method of accomplishing project requirements	25

The estimated construction cost for this project is $3,530,000. The completion date for this contract will be 24 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person(s) who will be in charge of surveys (must be an Illinois Licensed Land Surveyor). Surveys prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work with adequate plan review experience and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

12. <u>Job No. P-91-025-19, Phase I, Various Safety Assessment Projects, Various Routes, Various Counties, Region One/District One.</u>

The project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 30, 2019 at 9:00 A.M**. at the Region One/District One Office in **Schaumburg**.

Phase I engineering services are required for the preparation of traffic engineering studies and accident studies for various locations throughout District One. Work may include collection of field data such as condition diagrams, manual turning movement (full classification), traffic count data and relevant crash data, and related study correspondence. This may be done through retrieval of Illinois Traffic Crash Reports from local enforcement agencies as well as preparation of collision diagrams. Arc GIS skills will be needed to assist with crash data retrieval efforts. Also anticipated are traffic engineering analysis such as crash analysis, traffic signal warrant studies, barrier warrant analysis and sight distance studies to determine recommended improvements. Reviews may include intersections and roadway segments. If candidate safety improvement projects are developed from traffic studies, a cost estimate and benefit-cost analysis may be required for each candidate project to determine project eligibility for the annual Highway Safety Improvement Program (HSIP). Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with locations to be reviewed and traffic crash data compiled by the Division of Traffic Safety for most recent 5-years.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $800,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will assume the duties of Project Engineer, that individual-in-charge of the day to day program management work (must be an Illinois Licensed Professional Engineer).

- The person who will assume the duties of Traffic Engineer, that individual-in-charge of the day to day traffic studies work (must be an Illinois Licensed Professional Engineer)

- The person who will perform the QC/QA review work for all milestones submittals (must be an Illinois Licensed Professional Engineer)

The prime firm must be prequalified in the **Special Studies (Traffic Studies)** category to be considered for this project.

Statements of Interest must also include the Consultant's relevant traffic study projects completed by the firm for IDOT Region One/District One within the past five years by the key staff members listed in the Statement of Interest. Do not include more than 10 completed applicable projects.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

13. <u>Job No. D-91-057-19, Various Value Engineering Projects, Various Routes, Various Counties, Region One, District One.</u>

This project requires **10% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 29, 2019** at **9:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Engineering services are required for value engineering on approximately 5 to 10 various projects throughout the District for use primarily on Phase I and Phase II projects. This work shall include Value Engineering (VE) Studies submitted in a written report. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant will assemble a multi-disciplined VE project team of approximately 5-7 people. The VE team is to be led by an Illinois Licensed Professional Engineer with experience in roadway and bridge design and carry the designation of a certified value engineer specialist. The VE team will use brainstorming techniques to develop good alternatives to the proposed project design, generating a large and creative list of potential solutions to items identified in the Investigation and Analysis phases. The Team should be structured so there is appropriate expertise to evaluate the major problem areas anticipated within the project. In addition to the technical discipline such as design, construction, and environmental, the VE team must possess experience in construction cost estimating and cost-benefit analysis. The VE team must also have CADD micro-station capability to develop, analyze, and propose modifications within the VE time schedule. “Read-Only” CADD files in Micro-Station format will be made available to the VE team.

The Consultant will be expected to develop the VE work plan for projects assigned by the department. The plan shall as a minimum include step, methodology, criteria, timing, and deliverables.

The department will furnish the Consultant with available roadway plans, microfilm of old plans, project reports, traffic data, soils reports, hydraulic reports, location drainage studies, bridge condition reports and other information as available. The VE team leader is to coordinate with the department on specific needs for the particular project to be studied.

The estimated construction cost of these projects may range from $20,000,000 to $70,000,000. The Consultant's work includes evaluating, determining and developing the best alternatives. The Consultant will present the recommendation to the department along with an implementation plan. The Consultant will be responsible for developing the Value Engineering Report. A step by step record of the VE analysis is required as part of the VE Report.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	30
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	15
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	5

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be experienced in managing multiple VE studies).
- The person who will perform the responsibilities of being the Value Engineering Team Leader (One leader per project). This person must be an Illinois Licensed Professional Engineer and a Certified Value Engineering Specialist.
- Supporting personnel (VE team members) in the following critical areas: highway design, highway planning (must be an Illinois Licensed Professional Engineer), environmental, structures, soils, hydraulic and traffic signal design.
- The VE team members(s) working in the structure critical area (must be an Illinois Licensed Structural Engineer)
- Micro Station/CADD personnel.

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

14. <u>Job No. D-91-060-19, Various Phase II Projects, Various Routes, Various Counties, Region One, District One.</u>

This project requires **19% DBE** participation, or if the contract goal is not met documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035.**

The Consultants who is selected for this project, and all subconsultants the prime Consultant will be using, are scheduled to attend an initial meeting on **January 30, 2019** at **9:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for the preparation of plans, specifications, and cost estimates, for various contracts throughout the District. Work orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis.

The department will furnish the Consultant with available microfilm plans, Bridge Condition Reports, project reports, hydraulic reports, and other available applicable items.

The Consultant may also be required to review and comment on contractor provided documents for contracts currently under construction, which may have been completed by others. These may include, but are not limited to, shop drawings and fabrication and erection plans.

The Consultant's work may consist of preparing roadway plans, TS&L plans, structure plans, geotechnical borings, investigation & analyses, supplemental surveys, drainage & utility investigation, detour route plans, applicable permits, traffic signals, lighting plans, and all other related work necessary to complete Phase II work. Work may also consist of reviewing and preparing plans to ensure all plans are within the framework of department policies and procedures, local agency requirements, and all applicable manuals and schedules. Consultants may be required to create and/or maintain websites for some projects.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	25
Proposed Staffing from Prime and any subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15

The estimated construction cost of these projects may range from $200,000 to $3,000,000. The estimated engineering fee for this project is $2,000,000. The completion date for this contract will be 36 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person(s) who will be in charge of surveys (must be an Illinois Licensed Land Surveyor). Surveys prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform/supervise the work in the area of lighting design and calculations (must be an Illinois Licensed Professional Engineer). The Lighting: Typical prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform/supervise the work in the area of traffic signal design (must be an Illinois Licensed Professional Engineer). The Traffic Signal prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform/supervise the work in the area of Structural Geotechnical Report (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Structural Engineer). The Geotechnical Services, Structure Geotechnical Reports (SGR) prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Structures (Highway: Typical)

Highways (Roads and Streets)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

15. Job No. D-91-061-19, Various Lighting and Electrical Phase II Projects, Various Routes, Various Counties, Region One/District One.

This project requires **23% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 30, 2019** at **11:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase II engineering services is required to complete preparation of plans, specifications and estimates for roadway lighting and electrical engineering projects at locations throughout District One. Work may be a combination of new and/or upgrading and modernizing existing equipment to current IES, NEC, AASHTO, FHWA, FAA, IDOT District One standards, and other duties as assigned. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant may also be required to review and comment on contractor provided documents for contracts currently under construction, which may have been completed by others. These may include, but are not limited to, shop drawings and fabrication plans.

The department will furnish the Consultant with available record drawings, inspection reports for electrical inventory, project reports, District 1 Design Guidelines, and other available applicable items.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	15
Proximity of firm to project location	3
Proposed DBE use	7
Available work capacity of firm	15
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person(s) who will perform the Lighting Design work (must be an Illinois Licensed Professional Engineer).

- The person who will perform the QA/QC review work of all milestone submittals (must be an Illinois Licensed Professional Engineer).

Statement of Interest must also include:

- Experience of the staff presented on Exhibit A, and/or firm in accomplishing Special Studies (Lighting Typical) projects. Do not list more than five projects
- The Consultant's relevant projects completed by the firm for IDOT within the past four years by members of the Consultant's current key personnel as listed above. The Statements of Interest must list no more than 10 applicable projects

The prime firm must be prequalified in the following categories to be considered for this Project:

Special Studies (Lighting: Typical)

Special Services (Electrical Engineering)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

16. <u>Job No. HPR-66-072-19, Arterial Traffic Management Center, Phase I Project, Various Routes, Various Counties, Region One/District One.</u>

This project may contain **Federal Funds.**

This project requires **20% DBE** participation, or if the contract goal is not met documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 30, 2019** at **10:00 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase I engineering services are required for all work associated with the preparation of preliminary engineering for the development of a Regional Arterial Traffic Management Center (TMC) Study for the entirety of District One in accordance with the National Intelligent Transportation Systems (ITS) Reference Architecture. The IDOT Statewide Architecture and Strategic Plan will provide background architecture and guidance for the development of the study. The study will engage the Chicago Metropolitan Agency for Planning region and incorporate stakeholders from each County as well as large communities such as Naperville and Aurora.

Representative stakeholders will form a steering committee to ensure a holistic approach to traffic management is considered across the transportation network and match the approved statewide ITS architecture. A Technical Committee will also be formed to guide the technical recommendations. The selected Consultant is expected to coordinate the activities of both of these committees.

In addition, the Consultant will study the need and specifications for an arterial Advanced Transportation Management System (ATMS) for District One. This study must be coordinated with the concurrent statewide ATMS study.

The final deliverables are anticipated to be:

- An overview report of the status, architecture, and condition of the existing District One expressway ATMS.
- Definition of District One's arterial ATMS needs and required functionality, including the development of the project ITS Architecture
- A Concept of Operations and Systems Requirements which will consider the operations requirements, identify cost and schedule for deployment, identify performance parameters, and define training and support needs.

Consultant services are anticipated to consist of leading a collaborative effort to identify issues and opportunities, identify appropriate strategies, develop courses of action, and ultimately produce a study document that will guide the department efforts. Services are expected to include travel within the state, overnight lodging, and meetings with partner agencies.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	10
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	25

The completion date for this contract will be 24 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer). A minimum of a four-year college degree with emphasis on studies in transportation engineering and/or transportation planning is desired. In addition, a minimum of four years of responsible project management experience and a documented history of ITS project and program development and implementation, with specific experience in the development and planning for ATMS for transportation agencies is also desired. A familiarity with Transportation Systems Management and Operations (TSMO) plan principles and previous experience with developing region ITS architectures is also required.

- The person who will perform the duties of Project Engineer, that individual who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person(s) who will perform the QC/QA review work of all milestone submittals must have experience in ITS, ATMS, and TSMO.

- The person in charge of CSS/Public Involvement procedures. Include a detailed description of CSS/public involvement work he/she has directed involving facilitation of public meetings and public hearings, organizing work groups and press conferences, drafting press releases and property owner contact letters, etc.

The prime firm must be prequalified in the **Special Studies – Traffic Studies** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering Prequalification and Agreement System (EPAS).

17. Job No. P-91-031-19, Various Phase I Studies, Various Routes, Various Counties, Region One/District One.

This project requires **17% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 31, 2019** at **1:00 P.M.** at the Region One, District One Office in **Schaumburg.**

Phase I engineering services are required for the preparation of various preliminary engineering and environmental studies throughout District One. The work may include new Phase I studies for intersections, small highway segments, bridges, and/or assisting the department in completing on-going Phase I studies and tasks. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant and/or their subconsultants on the project are prohibited from managing contracts where either party is the prime consultant or subconsultant. The selected firm and/or their subconsultant may not manage another firm if the relationship was reversed during another phase of work.

The department will furnish the Consultant with any relevant and available information such as crash data, existing and projected traffic data, utility coordination, and right-of-way data, as well as archaeological, historical, wetland, and special waste survey coordination.

The Consultant will be expected to perform work similar to an IDOT Project Manager/Squad Leader and Staff, and report to the In-House Studies Unit Head. The Consultant's work may include data collection, preparation of base maps and mosaics, geometric studies, safety studies including accident analysis, capacity analysis including intersection design studies, route as well as stream surveys, project reports anticipated to be processed as Categorical Exclusions, bridge inspections and condition reports, drainage studies including Hydraulic Reports, cost estimates, public involvement, and all other related work necessary to complete various Phase I studies and tasks. The Consultant will be expected to perform work in the district office as needed. The Consultant may also be required to assist the district in reviewing, overseeing, tracking, and prioritizing projects being performed by IDOT personnel and other consultants. The Consultant staff must be knowledgeable in ADA/PROWAG requirements and may be expected to assist the District with field data collection as well as manage, process, and monitor data collected and incorporate it into GIS and/or IRIS compatible databases.

These projects are anticipated to be completed using 3D terrain modeling utilizing Bentley's PowerGEOPAK SS4 with OpenRoads Technology in accordance with the latest IDOT Computer Aided Design, Drafting, Modeling and Deliverables (CADD) Manual.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5

Rating Description -- Continued	Weighted %
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The cumulative construction cost of these projects is anticipated to be in excess of $20,000,000. The estimated engineering fee for this project is $2,000,000. The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibits A and B** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer)
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the work documents (must be an Illinois Licensed Professional Engineer)
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The person(s) who will perform the work in the area of preparing structural concepts (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person(s) who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer). Location Drainage prequalification category requirement may be completed by the Sub and/or Prime consultant.
- The person(s) who will be in charge of hydraulic reports (must be an Illinois Licensed Professional Engineer). Hydraulic Reports (Waterways: Complex) prequalification category requirement may be completed by the Sub and/or Prime consultant.
- The person(s) who will be in charge of surveys (must be an Illinois Licensed Land Surveyor). Surveys prequalification category requirement may be completed by the Sub and/or Prime consultant.
- The person(s) in charge of CSS/Public Involvement procedures. Include a detailed description of CSS/Public involvement work he/she has directed involving facilitation of community advisory group meetings, public meetings and public hearings; organizing work groups and press conferences; drafting press releases and property owner contact letters, etc.

The prime firm must be prequalified in the following categories to be considered for this project:

Location/Design Studies (Reconstruction/Major Rehabilitation)

Special Studies (Traffic Studies)

Structures (Highway: Advanced Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

18. Job No. D-91-067-19, (FAU 1453) Cermak Road Over IHB RR & Gardner Rd, 25th Ave, & Addison Creek, Phase II Project, Cook County, Region One/District One.

This project may contain **Federal Funds**.

This project requires **18% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project, and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 31, 2019** at **1:00 P.M.** at the Region One, District One Office in **Schaumburg.**

Phase II engineering services are required for the preparation of plans, specifications, and estimates for 2 bridge rehab projects and 1 bridge replacement on Cermak Road over IHB Railroad and Gardner Road, 25th Avenue, and Addison Creek. The work is expected to address the structural deterioration for the bridges and improve the structural elements to prolong the expected life for the structures.

The following structures are expected to be included in this project:

- S.N. 016-0631 Cermak Road over IHB Railroad and Gardner Road
- S.N. 016-0632 UVW Road over 25th Avenue
- S.N. 016-0633 UVW Road over Addison Creek

Work is expected to consist of 2 bridge rehabilitations for the bridges on Cermak Road over IHB Railroad and Gardner Road, 25th Avenue, and a bridge replacement on Cermak Road over Addison Creek. There is also widening of the deck to include pedestrian facilities pending upon local participation as well as provide ADA compliant sidewalks and crossings. There may be lighting improvement at the structure over 25th Avenue.

The department will furnish the Consultant with available microfilm plans, project report, hydraulic report, Bridge Condition Reports, and other available items.

The Consultant will prepare roadway plans, structural plans, supplemental surveys, all applicable permits and all other necessary related work to complete contract plans. The Consultant will also review and prepare plans to ensure all plans are within the framework of the department's policies and procedures and local agency's requirements, and all applicable manuals and schedules.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	15
Firm's understanding/method of accomplishing project requirements	20

The estimated construction cost for this project is $10,000,000. The completion date for this contract will be 18 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of lighting design and calculations (must be an Illinois Licensed Professional Engineer).

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

19. <u>Job No. D-91-068-19, FAP 344, IL 83 (127th St.) At Cal Sag Channel, Phase II Project, Cook County, Region One/District One.</u>

This project may contain **Federal Funds**.

This project requires **3% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.07**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 28, 2019** at **10:00 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase II engineering services are required for the improvement of IL 83 bridge structure over the Cal Sag Channel. The Consultant's work is expected to consist of preparing contract plans, specifications, and estimates for the bridge deck replacement and bridge superstructure and substructure rehabilitation of the existing IL 83 bridge (127th Street) (S.N. 016-0570) over the Cal Sag Channel. The Consultant's work includes topographic survey, drainage design, bridge lighting and navigational lighting repairs/replacements/upgrades, as well as other structural tasks as determined by the department. The proposed improvement will consist of replacing the existing bridge deck, repairing the steel superstructure, cleaning and painting the steel superstructure, and repairing the substructure. In addition to that, the consultant's scope will include designing permanent inspection platform beneath the existing truss span as part of the bridge rehabilitation, and approach roadway rehabilitation and sidewalk. Bridge rehabilitation work will be performed under full bridge closure with two-way detour.

The department will furnish the Consultant with available microfilm plans, project report, bridge condition report, structure inspection reports, location drainage study and other necessary items. The Consultant will prepare roadway and structural plans, supplemental surveys, all applicable permits, and all other necessary related work to complete contract plans. The Consultant plans shall ensure all plans are within the framework of the department's policies and procedures and local agency's requirements and applicable manuals.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	10
Project Specific Criteria: Expertise in steel truss bridge repairs, cleaning, & painting	5

The current estimated construction cost for this project is $10,000,000. The completion date for this contract will be 12 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the structural work of all milestone submittal documents (must be an Illinois Licensed Professional Structural Engineer and with a desired 10 years of structural experience). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of lighting design and calculations (must be an Illinois Licensed Professional Engineer). The Lighting: Typical prequalification category requirement may be completed by the Sub and/or Prime consultant.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work with adequate plan review experience and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience with a desired 10 years of structural experience.).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Structures (Highway: Complex)

Statements of Interest, including resumes of the key personnel noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

20. <u>Job No. D-91-066-19, FAP 330 (US 12/20/45 - LaGrange Road) over Santa Fe Dr., S&S Canal, I&M Canal & ICG RR, Phase II Project, Cook County, Region One/District One.</u>

This project may contain **Federal Funds.**

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 29, 2019** at **1:00 P.M.** at the Region One/ District One Office in **Schaumburg.**

Phase II engineering services are required for the preparation of contract plans, specifications and estimates consisting of bridge deck replacement, substructure repairs and drainage system replacements to the existing structures carrying northbound LaGrange Road over ICG (CN) Railroad, IM Canal and Chicago Sanitary and Ship Canal (SN 016-2468) and over Des Plaines River and ATSF (BNSF) Railroad (SN 016-2467). The existing bridge decks will be removed and replaced with a new PCC deck. The bridge will be widened to be 43'-6" out to out which will provide three 11' wide lanes with 3'-6" wide inside and outside shoulders. The pavement on the island between the bridges will be reconstructed. The existing lighting system on both northbound bridges will be replaced and upgraded to LED luminaires. The conduit and cables to the navigation lights on the span over the S & S Canal will be replaced. The southbound bridges will have existing lighting retrofit with LED luminaires. Concrete on the piers will be repaired. Staged construction will be utilized to close the northbound structures and northbound and southbound traffic will share the existing southbound lanes during construction.

The following structures are expected to be included:

- S.N. 016-2468: I & M Canal, ICG (CN) RR and S & S Canal
- S.N. 016-2467: ATS & F (BNSF) RR & Des Plaines River

The department will furnish the Consultant with available microfilm plans, project report, hydraulic report and other necessary items.

The Consultant will prepare roadway plans, structure plans, supplemental surveys, all applicable permits and all other necessary related work to complete Phase II contract plans. The Consultant will also review and prepare plans to ensure that all plans are within the framework of the department's policies and procedures and local agency's requirements and all applicable manuals and schedules.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	30
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10

Rating Description -- continued	Weighted %
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15

The estimated construction cost for this project is $22,100,000. The completion date for this contract will be 18 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of lighting design and calculations (must be an Illinois Licensed Professional Engineer). The Lighting: Typical prequalification category requirement may be completed by the Sub and/or prime Consultant.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

21. Job No. P-91-033-19, Various Survey Projects, Various Routes, Various Counties, Region One/District One.

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants of the prime Consultant will be using are scheduled to attend an initial meeting on **January 25, 2019** at **9:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase I engineering services are required for various route surveying projects throughout District One. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will furnish the Consultant with alignment data, existing right-of-way plats, Sidwell maps, benchmarks and coordinates available for the projects, along with any archived survey notes as each work order is negotiated.

Work is expected to include, but is not limited to, route surveys, topographic surveys, cross-sections, profile, existing and proposed centerline alignments, drainage inverts, locating existing right-of-way monument, plotting of field information, mapping projects, and any other tasks deemed necessary to complete the work in accordance with the Department's Survey Manual and District One procedures. All survey information will be acceptable for design purposes and formatted per IDOT specifications. All data collected electronically or plotted will comply with IDOT CADD standards and use standard IDOT Survey Point Codes. Some GIS and database work may be required.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 36 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Land Surveyor.)

- The person who will perform the QA/QC review work of all milestone submittal documents (must be an Illinois Licensed Professional Land Surveyor.)

The prime firm must be prequalified in the **Special Services (Surveying)** category to be considered for this project.

Statements of Interest, including the resumes of the key people noted above, must be submitted electronically, using the Engineering Prequalification and Agreement System (EPAS), to the Central Bureau of Design and Environment.

22. Job No. P-92-006-18, Various Phase I/II Projects, Various Routes, Various Counties, Region Two/District Two.

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 31, 2019** at **10:30 A.M.** at the Region Two/District Two Office in **Dixon.**

Phase I and/or II engineering services including environmental services are required for various projects throughout District Two. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Phase I work, if required, may consist of conducting route surveys, land surveys, hydraulic surveys, hydraulic analyses, geometric studies, and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analyses, type, size and location (TS&L) drawings, structure plans, and other related work and exhibits necessary to produce the Project Report.

The Phase II work, if required, may consist of conducting route surveys, land surveys, hydraulic analyses, geometric studies, and preparation of type, size and location (TS&L) drawings, structure plans, roadway plans, and any other related work to complete final plans, special provisions and estimates.

The various proposed projects may consist of simple patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, and/or new roadway projects. The engineering sources required may consist of only a portion of the total engineering work on a certain project.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs, and other information.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	15
Proposed Staffing from Prime and any subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	25

The estimated construction cost for these projects may range from $50,000 to $4,000,000. It is anticipated this contract will include approximately 3 to 15 different projects. The estimated

engineering fee for this project is $1,000,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).

- The person(s) who will be in charge of surveys (must be an Illinois Licensed Land Surveyor). Surveys prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)

Location/Design Studies (Rehabilitation)

Structures (Highway: Typical)

Hydraulic Reports (Waterways: Typical)

Statements of Interest including resumes of the key people noted above must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

23. <u>Job No. BI-92-001-19, I-39 over Kishwaukee River - In-Depth Inspection, Installation of Sensors, Load Testing and Structural Evaluation, Winnebago County, Region Two/District Two.</u>

The Complexity Factor for this project is **0.07.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 29, 2019** at **10:30 A.M.** at the Region Two/District Two Office in **Dixon**.

Phase II engineering services are required for the existing twin segmental box girder structures that carry I-39 over the Kishwaukee River, 0.8 miles South of Blackhawk Road. The first part of the project requires an in-depth inspection of the structures carrying the northbound and southbound lanes of I-39 over the Kishwaukee River (S.N. 101-0133 & 101-0134). The second part of the project requires installing an optical fiber system with distributed sensors. The third part requires load testing the structures using 2 sets of 4 trucks. The fourth part of the project is expected to include structural evaluation of the structures based on the data received from the sensors based on the load testing and development of a load rating tool for evaluation of permit loads. Finally, the last of the project shall include a complete Bridge Condition Report with proposed course of action.

Work is expected to include the following tasks below, as well as any additional work required to finish the reports required for the completion of the project:

- Perform an in-depth inspection for each structure in accordance with AASHTO's "Manual for Bridge Evaluation". This shall include, but not be limited to, the inspection of internal and external post-tensioned tendons, as well as the shear reinforcement, by means of simple visual and non-destructive methods. Intrusive inspections shall also be performed at select locations suspected as having significant deterioration or deficiencies. Additional locations of intrusive inspection may also be necessary as required for validation of the NDT methods being used. All areas of intrusive inspection shall be repaired as part of this work. NDT evaluation of the structure shall include multiple methods as required to determine, with the greatest assurance, any deficiencies within the internal and external post tensioned tendons and the shear reinforcement. Deficiencies may include but are not limited to strand or reinforcement corrosion, strand or reinforcement fatigue damage, shear reinforcement yielding or fracture, and presence of water and grout voids around the post-tensioning. The severity of the deficiencies should be obtained, and the cause should be identified.

- Provide all traffic control, personnel, inspection equipment, and access equipment required for inspection

- For the southbound bridge, install a Brillouin optical fiber system connecting to sensors already located and distributed at the structure. Verify if sensors are intact and replace any defective sensors. Install additional sensors if necessary.

- For the northbound bridge, install a Brillouin optical fiber system including new sensors to the bridge, for the full length of the structure.

- It is anticipated the optical fiber system will need to remain after the installation and tests and should **<u>NOT</u>** be removed when the project is complete.

- Power is expected to be available at the site.

- A load testing plan shall be determined after the project is awarded. It is anticipated that a minimum of eight trucks will be required, with two lanes of four trucks in succession.

- Based on the tests, the distributed strain results will be compared to the results obtained in earlier studies and recommendations regarding vulnerable sections will be provided.

- Develop and report preliminary results based on the results of the load tests.

- Perform a structural evaluation of the structures, including a comprehensive finite element model (FEM) analysis in order to assess the actual condition and prepare a load rating of the structure. This should include the effects from the results determined earlier and any significant deterioration noted.

- Develop a load rating tool which will be used by the department to analyze permit load configurations including overweight and oversize vehicles. The rating tool can be created as either an Excel spreadsheet or a standalone Windows based program.

- Provide recommendations based on the structural evaluation, including any necessary repairs for the various types of deterioration and deficiencies identified.

- Life cycle cost analyses shall be prepared for all repair options. The life cycle costs shall be used in determining a final recommendation of any repair, as appropriate.

- No damage to the bridge or the fiber optic monitoring equipment shall be caused by the inspection operations**.**

- Recommendations for future inspection and monitoring needs. The cost of future inspection and monitoring needs shall be included in the life cycle cost analyses.

- All of the preceding shall be documented in a final report for this part of the project including all applicable written, photographic, and graphical documentation as applicable. Other documentation as appropriate for the NDT methods used shall be provided. A bridge-specific inspection manual shall also be provided for future use by bridge inspectors, which provides guidance on the appropriate methods for inspecting the unique features of these structures, including, but not limited to, the internal and external post-tensioning and any cracks in the precast concrete near critical locations.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	5
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Available work capacity of firm	5
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	20
Project Specific Criteria: Installing a Brillouin Optical Fiber Sensor System	15

The completion date for this contract will be 12 months after authorization to proceed. If real time monitoring is not needed, the completion date may be reduced by 6 months.

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

- Person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).

- Person who will perform the duties of Project Engineer, defined as the individual-in-charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer and an Illinois Licensed Structural Engineer).

- Person who will be on site overseeing all installation and inspection work (must be an Illinois Licensed Professional Engineer and/or Licensed Structural Engineer and approved as an Illinois NBIS Team Leader).

- Person who will perform the work in the area of structural analysis, evaluation, and recommendations and will seal the work required for the structural evaluation (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- Person who will perform the QC/QA review work of all submittal documents (Must be an Illinois Licensed Structural Engineer with adequate design experience for this type of bridge).

Statements of Interest must also include:

- Satisfactory experience in the activities required for this work by the firm and by members of the Consultant's current key personnel listed above, including dates of when work was completed, and list all applicable projects.
- Experience with applicable structural monitoring techniques, including installing an optical fiber system, must be provided. The structural monitoring, as well as the load testing, may be performed by Prime and/or subconsultant.
- Experience with load testing must be provided.
- Project approach
- A proposed organizational chart for the Consultant team.

The prime firm must be prequalified in the **Structures (Highway: Complex)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

24. Job No. P-92-005-18, Various Phase I/II Projects, Various Routes, Various Counties, Region Two/District Two.

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 30, 2019** at **10:30 A.M.** at the Region Two/District Two Office in **Dixon.**

Phase I and/or II engineering services including environmental services are required for various projects throughout District Two. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Phase I work, if required, may consist of conducting route surveys, land surveys, hydraulic surveys, hydraulic analyses, geometric studies, and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analyses, type, size and location (TS&L) drawings, structure plans, and other related work and exhibits necessary to produce the Project Report.

The Phase II work, if required, may consist of conducting route surveys, land surveys, hydraulic analyses, geometric studies, and preparation of type, size and location (TS&L) drawings, structure plans, roadway plans, and any other related work to complete final plans, special provisions and estimates.

The various proposed projects may consist of simple patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, and/or new roadway projects. The engineering sources required may consist of only a portion of the total engineering work on a certain project.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs, and other information.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	15
Proposed Staffing from Prime and any subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	25

The estimated construction cost for these projects may range from $50,000 to $4,000,000. It is anticipated that this contract will include approximately 3 to 15 different projects. The estimated

engineering fee for this project is $1,000,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).

- The person(s) who will be in charge of surveys (must be an Illinois Licensed Land Surveyor). Surveys prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)

Hydraulic Reports (Waterways: Typical)

Structures (Highway: Typical)

Location/Design Studies (Rehabilitation)

Statements of Interest including resumes of the key people noted above must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

25. Job No. C-93-999-99, Various Phase III Projects, Various Routes, Various Counties, Region Two/District Three.

This project requires **24% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.
The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 04, 2019** at **1:00 P.M.** at the Region Two/District Three Office in **Ottawa**.

Phase III engineering services are required for construction inspection, PCC/HMA quality assurance inspection as captioned below. Phase III engineering services are required for the inspection, supervision, construction layout, field material testing (all field material testing will be completed with IDOT equipment) and field inspection for roadway rehabilitation throughout District 3. The various types of jobs are anticipated to consist of route and seal, patching, traffic signals, landscaping, milling and resurfacing, bridge repair and replacement, concrete pavement, and pavement marking.

The Consultant will be asked to furnish Four (4) to Twenty (20) inspectors on various projects. The Consultant is expected to perform onsite inspection, engineering layout, and verification of contractor staking, maintain documentation, submit pay estimates, change orders, and any other duties required to complete these projects on a timely basis and in accordance with the State Specifications and guidelines. The inspectors should be knowledgeable in the use of the department's documentation tracking system (ICORS).

In addition, the Consultant may be asked to provide Aggregate, Concrete and/or Hot Mix Asphalt (HMA) testers to perform various testing in the District 3 Laboratories in Ottawa, Pontiac, and/or Kankakee. The tester(s) will be responsible for doing various aggregate, concrete and/or HMA testing at the direction of the IDOT Laboratory Supervisor. All testing will be performed on IDOT equipment. As a secondary option for the District, should the need arise, the consultant may be asked to provide HMA laboratory testing services for QCP and PFP HMA projects utilizing the Consultant's laboratory, equipment and personnel.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant is prohibited. At the negotiations meeting, the prime Consultant, and subconsultant(s) will disclose all previous involvement in the district as well as all current relationships with contractors and material producers.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	30
Proximity of firm to project location	5
Proposed DBE use	5
The firm's experience with required project work	30
Firm's understanding/method of accomplishing project requirements	15

The completion date for this contract will be 60 months after authorization to proceed.

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

- The Construction Inspectors. (4 - 20 individuals to perform on-site inspection, survey and QA inspection). A current IDOT Construction Documentation Certification and experience and a workable knowledge in the area of Hot Mix Asphalt (HMA), Portland Cement Concrete (PCC) and soils training are required.
- The person(s) performing the QA HMA. The Special Services (Quality Assurance HMA & Aggregate) may be completed by the Sub and/or Prime Consultant.
- The Materials Testers. (1 to 4 individuals to perform aggregate, concrete, soils and/or HMA testing at the Ottawa, Pontiac, and/or Kankakee lab). Documentation that Materials Testers have completed the following classes shall be provided:
    - IDOT 3-day mixture aggregate technician or 5-day aggregate technician course
    - IDOT HMA Level I course
    - IDOT PCC Level I course

The firm providing laboratory services shall be prequalified in Special Services (Quality Assurance HMA & Aggregate).

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

26. Job No. C-93-999-19, Various Quality Testing Projects, Various Routes, Various Counties, Region Two/District Three.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 4, 2019** at **10:00 A.M.** at the Region Two/District Three Office in **Ottawa**.

Phase III engineering services are required to perform the quality assurance inspection responsibilities of prestressed and precast producers, and possibly other quality assurance testing assignments. The project includes Quality Assurance Testing in accordance with the Standard Specifications for Road and Bridge Construction and the Manual for Fabrication of Precast Prestressed Concrete Products. Work orders under the blanket agreement will be negotiated and authorized by department on an as-needed basis.

The Consultant's work is anticipated to include:

- The precast and/or prestressed concrete QA inspection of Utility Concrete Products located at 2495 W. Bungalow Road, Morris, IL 60450 and the precast and/or prestressed concrete QA inspection of Illini Precast, LLC located at 2655 East US 6, Marseilles, IL 61341. Inspections of these facilities are expected to require 15-40 hours per week. The precast and/or prestressed concrete QA inspection at other prestressed and precast producers on an as-needed basis within the jurisdiction of District 3.

- The Consultant will complete all the duties of the department inspector as detailed in the *Manual for Precast Prestressed Concrete Products,* Section 1.3 Quality Assurance and/or the Central Bureau of Materials Policy Memorandum Quality Control/Quality Assurance Program for Precast Prestressed Concrete Products. The inspector(s) must have completed the following training courses prior to beginning work on this contract:
  1. IDOT 3-day Mixture Aggregate Technician or 5-day Aggregate Technician Course
  2. ACI Concrete Field Testing Technician -Grade I
     - The Consultant is not required to take the IDOT only portion (1st day) of the three day training class. The ACI portion is taught on the second and third days.
     - The Consultant is advised to check with PCI regarding the completion of the ACI training in order to take the PCI training.
  3. PCI Level I & II - Quality Control Personnel Certification Program

  For information concerning the courses 1 and 2 contact the following:
  Lake Land College
  5001 Lake Land Blvd.
  Mattoon, IL 61938-9366
  Phone# 217-234-5285

  For information concerning the course for item 3 contact the following:
  PCI
  200 West Adams Street #2100
  Chicago, IL 60606
  Phone # 312-786-0300

The Consultant's work may also include:

- Providing one or two materials technicians to perform materials testing duties in the district's main laboratory in Ottawa or the District's branch laboratories in Pontiac and Kankakee.

The Consultant will perform tests on aggregates, Portland Cement Concrete and/or hot mix asphalt. The materials technician(s) must have completed the following training courses prior to beginning work on this contract:

- IDOT 3-day Mixture Aggregate Technician or 5-day Aggregate Technician Course.
- IDOT Hot Mix Asphalt Level I Technician Course.
- IDOT Portland Cement Concrete Level I Technician Course.

For information on these courses, contact:
Lake Land College
5001 Lake Land Blvd.
Mattoon, IL 61938-9366
Phone# 217-234-5285

Assignments will be furnished by department representatives located in District 3. The Consultant will maintain records and submit documentation of all QA activities weekly to District 3 representatives.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant is prohibited. At the negotiations meeting, the prime Consultant, and subconsultant(s) will disclose all previous involvement in the district as well as all current relationships with contractors and material producers.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weight%
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	30
Proximity of firm to project location	5
The firm's experience with required project	30
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 60 months after authorization to proceed. It is anticipated the authorization to proceed may not occur until after July 1, 2019.

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

- Liaison Engineer who will assume duties as Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).

- PCI Level 1 and Level II Technicians.

- ACI Concrete Field Testing Technicians.

- IDOT Aggregate Technicians, HMA Level I Technicians and PCC Level I Technicians

Statements of Interest must also include the Consultant's Certificate of Completion for the previously listed training courses or the employee's names and the dates they are registered for the previously listed training courses.

The prime firm must be prequalified in the **Special Services (Quality Assurance PCC & Aggregate)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

27. Job Nos. P-94-017-17/D-94-039-17, Bridge Replacement/Rehabilitation, Adams Street over BNSF RR, U.P. RR and Clark Street in Peoria, Peoria County Region Three/District Four

The project may contain **Federal Funds.**

This project requires **14% DBE participation**, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.07**.

The Consultant who is selected for this project and all sub-consultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 29, 2019** at **10:30 A.M.** at the Region Three/District Four Office in **Peoria**.

Phase I and II Engineering Services are required for the preparation of a Project Report (anticipated to be a categorical exclusion) and final contract plans, specifications, and cost estimates for bridge replacement/rehabilitation.

The following structures are S.N. 072-0012 and S.N. 072-0133 which carries Adams Street over the BNSF RR, U.P. RR and Clark Street in Peoria.

The Consultant's phase I work will consist of preparing a Bridge Condition Report (BCR) for both structures, a Project Report, Structural Geotechnical Report, Right-of-Way plans and plats, and Type, Size and Location (TS&L). This work will include data collection, miscellaneous survey, cost estimates, traffic management analysis, crash analysis, quantity calculations, and other related work items to produce a Project Report.

The Consultant's Phase II work will consist of roadway plans, pre-final structure plans, final structure plans, and any other related work required to complete the final plans, special provisions, and estimates.

The overall scope and budget for the project is subject to change, based on the review and concurrence of the Bridge Condition Reports by IDOT.

The department will furnish the Consultant with traffic data, existing plans, environmental coordination, utility coordination, inspection reports, DTM survey, and crash data.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	25
Proposed DBE use	5
Available work capacity of firm	15
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated construction cost for this project is $21,000,000. The project is tentatively set for a November 18, 2022 letting. The completion date for this contract will be 60 months after authorization to proceed. A planned supplement for Phase II will be done near the completion of Phase I.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will assume the duties of Project Engineer, that individual-in-charge of the day-to-day program management work (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in structure plan preparation documents (must be an Illinois Licensed Structural Engineer.) In addition, the staff performing this work must be identified.

- The person who will be in charge of Surveys (must be an Illinois Licensed Land Surveyor) surveys/prequalification category requirements may be completed by the Sub and/or Prime Consultant.

- The person who will be in charge of Land Acquisition documents (must be an Illinois Licensed Land Surveyor).

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work with adequate plan review experience and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Structures (Highway: Advanced Typical)

Highways (Roads and Streets)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design & Environment through the Engineering and Prequalification Agreement System (EPAS).

28. <u>Job No. P-94-003-19 Various Survey Projects, Various Routes, Various Counties, Region Three/District Four.</u>

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using is scheduled to attend a negotiation meeting on **January 25, 2019** at **10:30 A.M.** at the District Office in **Peoria**.

Phase I/II land and route surveying services are required for various design and land acquisition projects throughout District Four. Work Orders under the blanket agreement will be negotiated and authorized on an as-needed basis.

The department will provide any existing plans, R.O.W. documents, or other pertinent data required for the completion of individual projects.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	20
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $500,000. The completion date for this project will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Land Surveyor.)

- The person who will perform the QA/QC review work of all milestone submittal documents (must be an Illinois Licensed Professional Land Surveyor.)

The prime firm must be prequalified in the **Special Services (Surveying)** prequalification category to be considered for this project:

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering Prequalification and Agreement System (EPAS).

29. <u>Job No. C-94-052-13, US 150 at the Illinois River, Phase III Project, Peoria and Tazewell Counties, Region Three/District Four.</u>

This project contains **Federal Funds.**

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 25, 2019** at **10:00 A.M.** at the Region Three/District Four Office in **Peoria.**

Phase III engineering services are required for construction inspection for the construction of the new US 150 (EB) bridge over the Illinois River, also known as the McClugage Bridge and other structures noted along with applicable roadway work. The project is in the Peoria/East Peoria area. The project includes the construction of a new 23-span tied arch bridge supported on steel pile and drilled shaft foundations and reinforced concrete piers and abutments; the construction of a new 2-span, 183' long structure carrying US 150 (EB) over IL 29; a 55' long reinforced concrete double box culvert, all earthwork and drainage work necessary to construct the adjacent roadway which will consists of PCC and HMA pavements and other collateral work. The Consultant will also provide services as part of this Agreement for the removal of the existing McClugage Bridge.

The Consultant will furnish adequate staff as needed to augment the district staff throughout the project. The Consultant staff will report to the District Resident Engineer/Technician on this project. The Consultant will also be responsible for providing public relations services for updates and information related to the construction activities of the above project and traffic management information in the Peoria area throughout the duration of the Agreement.

The following Structures are expected to be included:

- S.N. 090-0180 (Eastbound US 150 over the Illinois River)
- S.N. 072-0250 (Eastbound US 150 over IL 29)
- S.N. 090-2020 (Ramp over Illinois River Tributary)

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming in from the same plant is prohibited. At the negotiation meeting, the Prime Consultant, and subconsultant(s) will disclose all previous involvement in the district as well as all current relationships with contractors.

The Consultant's work includes, but is not limited to, providing staff, vehicles, and appropriate test equipment necessary to complete this project. The Consultant will furnish a Liaison Engineer and an adequate staff to perform the duties required to fulfill the engineering and public relations requirements in accordance with the departmental policies.

The Consultant will provide tools of the trade. These tools will include an office computer system capable of running ICORS software or IDOT's most current construction management system. The Consultant will perform on-site inspection, layout including design changes, provide

construction layout when not provided for in the contract plans, provide geotechnical inspection and testing, prepare records, maintain documentation, submit pay estimates, change orders and any other duties that would require the services of an engineer to complete this project on a timely basis and in accordance with State specifications. All field personnel will be required to be equipped with a mobile device capable of accessing IDOT's construction management system.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	15
The firm's experience with required project work	15
Firm's understanding/method of accomplishing project requirements	10

The anticipated construction completion date is May 1, 2023. The Consultant must complete and submit final measurements, calculations and final contract records documents to the department no later than six (6) weeks after the completion of the project.

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

- Liaison Engineer (Illinois Licensed Professional Engineer is preferred).
- The Assistant Engineer.
- The Document Technician. (The person actively performing the documentation on the project must possess a current IDOT Construction Documentation certificate and must be ICORS trained. **Include the Documentation Certificate Number for IDOT**).
- The Materials QA Technician. (The person shall have a Level II HMA and PCC training and IDOT Class S-33, Soil Testing).
- The Survey Chief
- The person in charge of CSS/Public Involvement procedures. Include a detailed description of CSS/public involvement work he/she has directed involving facilitation of public meetings and public hearings, organizing work groups and press conferences, drafting press releases and property owner contact letters, etc.

The prime firm must be prequalified in the **Special Services (Construction Inspection)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering Prequalification and Agreement System (EPAS).

30. <u>Job No. D-96-021-18, Various Geotechnical Investigations, Various Routes, Various Counties, Region Four/District Six.</u>

This project requires **23% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts is required.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 01, 2019** at **10:00 A.M**. at the Region Four, District Six, Construction Annex in **Springfield**.

Phase I and/or II engineering services are required for all work needed to perform subsurface explorations and prepare geotechnical recommendations and/or reports for roadway and structure improvements as needed throughout District Six. The work shall consist of geophysical services, in-situ testing, soil sampling, lab testing, geotechnical analysis, report preparation and all other work needed to provide adequate subsurface information and geotechnical recommendations. Geophysical service will include Seismic Refraction and/or Reflection techniques. In-situ testing will include Standard Penetration Testing (SPT), Field Vane Shear, Cone Penetration Testing (CPT) with shear wave capability, and Dynamic Cone Penetration Test (DCP). Soil sampling shall include soil borings, rock cores, pavement coring and any other sampling required to be analyzed. All work shall be done in accordance with the 2016 IDOT Geotechnical Manual, current ASTM/AASTHO standards and guidelines, and District 6 standards of practice. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed business. All work may be in either English or metric units.

This project includes all management, layout, provisions for traffic control, drilling, clearing, laboratory testing, geotechnical analysis, presentation of subsurface data, and report preparation as required. The Consultant drilling equipment must be equipped with a fully automatic SPT hammer and be capable of accessing locations in a variety of terrain as required. The Consultant must use gINT software for preparation of final boring logs.

The department will furnish the Consultant with preliminary subsurface exploration plans, geophysical testing, geotechnical design criteria, preliminary structure design information, and other information as appropriate for each work order.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $200,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will perform the duties of the Senior Geotechnical Engineer responsible for all aspects of the work (must be an Illinois Licensed Professional Engineer with a minimum of 5-years demonstrated experience with geotechnical issues related to roadway and bridge design and construction).
- The person who will perform the duties as Geotechnical Lead Engineer for Structure Geotechnical Reports (must be an Illinois Licensed Professional Engineer or Structural Engineer).
- The person who will perform the duties as Geotechnical Lead Engineer for General Geotechnical Services (must be an Illinois Licensed Professional Engineer).
- The person(s) who will perform the duties of Staff Geotechnical Engineer who will be performing analyses and preparing reports.
- The person(s) who will perform the duties of on-site Field Drilling Supervisor who directs field operations, performs field logging, and performs field testing.
- The person(s) supervising laboratory testing.
- Geotechnical lead for subsurface exploration.

The prime firm must be prequalified in the following categories to be considered for this project:

Geotechnical Services (General Geotechnical Services)

Geotechnical Services (Structure Geotechnical Reports (SGR))

Geotechnical Services (Subsurface Explorations)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering Prequalification and Agreement System (EPAS).

31. Job No. D-96-017-19; Various Phase I/II Projects, Various Routes, Various Counties, Region Four/District Six.

This project requires **20% DBE** participation**,** or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a Scope of Services meeting on **January 31, 2019** at **1:30 P.M.** in the Region Four, District Six Office in **Springfield**.

Phase I and/or II engineering services are required for various projects throughout District Six. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in English or metric units.

Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analysis, geometric studies, preparing Bridge Condition Reports, Hydraulic Reports, Structure Geotechnical Reports, Type, Size and Location (TS&L) plans, Intersection Design Studies (IDSs), and Project Reports (categorical exclusion projects only). This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analysis, geometric studies, traffic studies, drainage studies, geotechnical analysis, and all other related work required to produce the necessary Phase I documents and reports.

Phase II work, if required, may consist of conducting route surveys, land surveys, hydraulic analysis, structure plans, roadway plans, drainage, geometric plans, geotechnical analysis, traffic staging plans, temporary and permanent erosion control plans, plats and legal descriptions for Right-of-Way acquisition, and any other related work required to complete plans, specifications and estimates as necessary.

The Consultant must also be knowledgeable in ADA/PROWAG requirements and may be expected to complete ADA compliant curb ramp designs for various intersections.

The various proposed projects may consist of ADA improvements, simple patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, and/or new roadway projects.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs, and other information.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	15

The estimated construction costs of these projects may range from $100,000 to $3,000,000. It is anticipated that this contract will include approximately 5 to 15 different projects. The engineering services required may consist of only a portion of the total engineering work on a certain project. The estimated engineering fee for this project is $500,000. The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this contract must include:

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).

- The person(s) who will perform the duties of Project Engineer who will be directly involved and responsible in the development of the reports and/or plans (must be an Illinois Licensed Professional Engineer).

- The person who will be in charge of surveys (must be an Illinois Licensed Land Surveyor). Surveys prequalification category requirement may be completed by the Sub and/or Prime Consultant.

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Location/Design Studies (Rehabilitation)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

32. <u>Job No. P-98-008-19, Phase I/II Various Projects, Various Routes, Various Counties, Region Five/District Eight.</u>

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project, and all subconsultants the prime Consultant will be using, are scheduled to attend a negotiation meeting on **January 30, 2019** at **1:00 P.M.** at the Region Five/District Eight Office in **Collinsville.**

Phase I and/or Phase II engineering services are required for various projects throughout the District. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Phase I work, if required, may consist of conducting surveys, utility coordination, hydraulic survey/analysis, conducting geometric studies and reviews, preparing Type, Size and Location (TS&L) plans, preparing Bridge Condition Reports, preparing Structure Geotechnical Reports, soils analyses, value engineering studies and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, cost estimates, traffic management analysis, crash analysis, development of alternative alignments preparing environmental and hazardous waste documents, infrared testing of bridge decks and other related work and exhibits necessary to produce the Project Report, as necessary. This work could include amending or updating existing Project Reports.

Phase II work, if required, may consist of geometric studies, structure plans, roadway plans, and any other related work to complete final plans, specifications, and estimates, as necessary.

The various proposed projects may consist of ADA plans, simple roadway patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, roadway widening and resurfacing, roadway reconstruction, and design on new roadway alignments. Projects may also include design of partial access controlled and access-controlled highways on existing and/or new alignments. This work may include preparing Bridge Condition Reports, preparing TS&L drawings for structures, conducting surveys, preparing structural geotechnical reports, providing soil borings and analysis for various roadway, foundation and other geotechnical reports, pavement cores to verify existing pavement condition, composition and thicknesses, checking traffic signal or highway lighting warrants, utility coordination, traffic signal, highway lighting and signing plans, developing construction staging and maintenance of traffic and transportation management plans (TMP's) and any other related work and exhibits as necessary to complete final plans, specifications, estimates of time and estimates of cost, as necessary.

All work prepared by the Consultant must be compatible with department software and readily duplicated on department hardware. All files produced during the course of this contract are the property of the department and must be provided in the appropriate electronic format for the department's files and for possible future use.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, crash statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs, location design reports, and other information deemed applicable to the Consultants work.

The Consultants Statement of Interest will be rated based on:

Rating description	Weight%
Past performance in project categories	15
Proposed staffing from Prime and any Subconsultants	30
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15

The estimated engineering fee for this project is $650,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will perform the duties of Project Engineer who will be directly involved and responsible in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform/supervise the work in the area of hydrologic/hydraulic analysis and modeling for culverts and bridges (must be an Illinois Licensed Professional Engineer).
- The person who will be in charge of geotechnical engineering (must be either an Illinois Licensed Professional Engineer and/or an Illinois Licensed Structural Engineer). The Geotechnical Services (SGR) prequalification category(s) may be completed by the Prime and/or Sub.
- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The Statements of Interest must also include the Consultant's relevant projects completed by the firm for IDOT within the past four years by members of the Consultant's' key personnel listed in the Statement of Interest. Do not include more than 10 relevant projects.

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Structures (Highway: Typical)
Hydraulic Reports (Waterway: Typical)
Location/Design Studies (Rehabilitation)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

33. <u>Job No. D-98-029-19, Various Land Surveying Projects, Various Routes, Various Counties, Region Five/District Eight.</u>

This project requires **22% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project, and all subconsultants the prime Consultant will be using, are scheduled to attend an initial meeting on **January 30, 2019** at **10:00 A.M.** at the Region 5/District Eight Office in **Collinsville.**

Land surveying services are required for various projects in District Eight. Work orders under a blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric.

The Consultant's work is anticipated to consist of performing land surveying services for Land Acquisition projects. This may include land surveying to reference the highway centerline to public land lines, land surveying to locate boundaries, record research, preparation and recording of monument records, preparation of legal descriptions, preparation of Freeway Orders, preparation of various plats and maps including: Statutory Plat of Highways, existing right of way survey plats or maps, centerline plats, corridor protection maps and excess right of way parcel plats. The Consultant's work may include right of way staking. The work performed shall comply with the Department's Land Acquisition Manual and with District Eight's standards, guidelines and procedures.

The Consultant's work may include performing route surveys, hydraulic surveys, topographic survey, and horizontal and vertical control surveys for highway design projects in District Eight. The work performed must comply with the Department's and District's standards and guidelines.

The department will provide alignment data, title commitments, former construction plans, existing right of way information and proposed right of way requirements for each project, when available.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 60 months after authorization to proceed.

Key personnel listed on **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 a licensed Illinois Professional Land Surveyor.
- The person who will be in direct supervision and control of the land survey work must be a licensed Illinois Professional Land Surveyor.
- The person who will perform the QC/QA review work of all milestone submittal documents must be a licensed Illinois Professional Land Surveyor with adequate experience.

The prime firm must be prequalified in the **Special Services (Surveying)** category to be considered for this project.

Statements of interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

34. <u>Job No. P-98-012-19/D-98-028-19 Local Roads Project Manager (PM) for Various Projects, Various Counties, Region Five/District Eight.</u>

This project requires **23% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 29, 2019** at **10:00 A.M.** at the District Eight office in **Collinsville**.

Engineering Services are required for a Consultant Project Manager (PM) for various IDOT local agency sponsored and department led processes and/or projects throughout District Eight. This work may involve working directly with local agencies and/or their consultant firms. Work orders under the blanket agreement will be negotiated and authorized on an as needed basis. All work for this project may be involve either English or metric units.

The PM will be expected to perform work similar to the IDOT Local Roads staff. Key staff from the PM consultant may be expected to perform work in the district offices as required. This may require working in the district offices from two to five days a week as necessary to perform the work. The work may include engineering, technical, management, administrative services, and other work as necessary to assist bringing numerous projects to completion in accordance with established schedules. This work may involve all facets of Phase I, II and III engineering for Local Agency sponsored projects.

In addition, the Consultant may also be required to act as a Project Manager (PM) for various department-led processes and/or projects throughout District Eight. The PM Consultant, if required, may be assigned to support all facets of Phase I, II and III engineering for department led projects. This work may also require working in the district offices from two to five days a week as necessary.

The selected Consultant and/or their subconsultants are prohibited from managing projects where either party is the prime Consultant or a subconsultant. The selected firm and/or their subconsultants may not manage another firm if the relationship was reversed during another phase of work.

Team Agreements will not be allowed on this project.

The anticipated work may include, but not be limited to:

- Providing technical support for all facets of Local Agency and department led Phase I, II, and III engineering projects as assigned including but not limited to:
  - Reviewing deliverables for compliance with departmental policies
  - Monitoring project scope, schedule, and budget
- Identifying and implementing necessary coordination and communications within and outside the department; to IDOT and stakeholders as required;
- Attending regular progress meetings and briefings for IDOT including FHWA where details of project and progress are presented;
- Facilitating and expediting the resolution of technical issues, drawing upon necessary resources and experts in applicable disciplines;

- Facilitating the resolution of contractual issues, drawing upon necessary resources within IDOT;
- Providing engineering judgment and analysis in the review of county, township, and municipal projects funded with federal, Motor Fuel Tax (MFT), Township Bridge Program (TBP), and other state fund programs to ensure departmental and statutory obligations are being fulfilled as it relates to the proper expenditure of funds. This may include a complete review of the local agencies' accounting practices and documenting discrepancies;
- All other work as required to implement Local Agency and department led projects.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	25
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $850,000. The completion date of the project will be 48 months after the authorization to proceed.

Key personnel listed on **Exhibits A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents associated with the contract (must be an Illinois Licensed Professional Engineer).

- The person who will assume the duties of Project Engineer - that individual providing support for all facets of Phase I, II and III engineering for Local Agency sponsored projects (must be an Illinois Licensed Professional Engineer).

- The person who will perform the technical review work for milestone submittal documents (must have adequate Local Roads policy and Motor Fuel Tax experience).

- The person who will perform review and/or tracking of local agency bridge inspections.

Statements of Interest must also provide the approach the firm will take on this project along with a summary of management experience and Local Roads project experience. A disclosure of any previous or open contracts between the firm and any local agencies must also be included.

The prime firm must be prequalified in the following categories to be considered for this project:

Special Services (Construction Inspection)

Location/Design Studies (Rehabilitation)

Highways (Freeways)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

35. <u>Job No. D-99-067-18 Phase I/Phase II work for Various Projects, Various Routes, Various Counties, Region Five/District Nine.</u>

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 31, 2019** at **10:00 A.M.** at the Region Five/District Nine office in **Carbondale**.

Phase I and/or II engineering services are required for the preparation of Phase I Project Reports, Bridge Condition Reports, Hydraulic Reports, TS&L's, Structure Geotechnical Reports and the preparation of preliminary and final contract plans for roadway projects and replacement, rehabilitation or repair of various structures within the District. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. This project is anticipated to be completed using PowerGeopak V8i Select Series 4 utilizing Corridor Modeling and shall be compatible with the IDOT Computer Aided Design, Drafting, Modeling, and Deliverables Manual for preparation of roadway and structure plans.

The selected Consultant may be required to manage and lead a value engineering study per the requirements set forth in the BD&E Manual.

Phase I engineering services may include, but is not limited to, data collection, Bridge Condition Reports, Hydraulic Reports, Structure Reports, Structure Geotechnical Reports, type, size and location drawings, ground and hydraulic surveys, cost estimates, right of way information, environmental consequences and related work necessary to produce Project Reports for bridge or roadway projects.

Phase II work may include preparation of pre-final and final construction plans for bridge or roadway projects.

The department will furnish traffic data, accident statistics, existing right-of-way plans, foundation borings where required, available as-built construction plans, one benchmark at each existing structure and a staked centerline of existing roadway.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	25
Proposed Staffing from Prime and any subconsultants	25
Proximity of firm to project location	5
Proposed DBE use	5
Available work capacity of firm	5
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	10

The Consultant's work may consist of either complete projects or a portion of the total engineering required for a certain project. The estimated engineering fee for this project is

$1,200,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will assume the duties of Project Engineer, that individual in charge who is directly involved in the development of contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Hydraulic Analyses (must be an Illinois Licensed Professional Engineer). Location drainage and/or Hydraulics prequalification category requirements may be completed by Sub and/or Prime
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The person who will be in charge of surveys (must be an Illinois Licensed Professional Land Surveyor). Surveying prequalification category requirement may be completed by Sub and/or Prime.

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)

Location/Design Studies (Rehabilitation)

Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

36. <u>Job No. Aviation-Report-1, Illinois Aviation System Plan Report and Economic Impact Analysis, Statewide, Office of Planning and Programming, Aviation Section.</u>

This project may contain **Federal Funds.**

This project requires **7% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 23, 2019** at **1:00 P.M.** at the Bureau of Planning Office in **Springfield**.

Airports - Planning and Special Services are required to complete an Illinois Aviation System Plan Report and Economic Impact Analysis. The first aviation system plan report developed for the State of Illinois was published in 1975. The last full aviation system plan report was published in 1994, with a minor revision in 1997. The effort should be proposed as an entirely new report, in accordance with FAA Advisory Circular 150/5070-7 - The Airport System Planning Process, including all other relevant regulations, policy, guidance and Advisory Circulars (ACs) such as the Airport Improvement Handbook, and shall remain consistent and integrated with the goals, objectives, and processes outlined in the Illinois Long Range Transportation Plan, as well as remain aligned with FAA goals of safety, efficiency, and environmental compatibility. Within the last decade, other aviation system plan components have been completed that include the Illinois Aviation Inventory Report (2012); Illinois Aviation Economic Impact Report (2012); Illinois Airport Construction Specifications Study (2018); and, the Illinois Airport Pavement Management Program (Triannual). Additionally, the State of Illinois participates in the Federal Aviation Administration (FAA) Block Grant Program, and as such, retains a significant amount of Capital Improvement Program (CIP) data and resulting construction information. To the extent necessary, these data should be validated and reconciled with those gathered through the comprehensive survey necessary to obtain aviation issue information and to complete an inventory of system condition and performance. Ultimately, firms shall include experience and qualifications in conducting aviation system plan reports and special studies. In general firms shall propose individual approaches to completing each element of an Airport System Plan Report found within AC 150/5070-7 Change 1, including an approach to completing aviation economic impact analysis and developing airport specific economic impact profiles, like what was completed for the 2012 Illinois Aviation Economic Impact Report.

The project includes, but is not limited to, the following elements:(Example descriptions not provided can be found within FAA Advisory Circular 150/5070-7 - The Airport System Planning Process)

- Executive summary and standalone executive report
- Study design
- State, regional, and local airport issues
- Inventory of system condition and performance
- System goals and performance measures
- Activity forecasts
- System and airport fundamental development requirements
- Environmental considerations

- Analysis of system alternatives including nation-wide synthesis on aviation system goals and performance measures
  - A synthesis will be developed that details all available aviation system goals and associated performance measures, including desired and achieved outcomes, from other States, in practice at the time of the report.
- Identification of system of airports including state specific role definitions and reconciliation with FAA General Aviation Airports: A National Asset airport categories
- Multimodal integration, integration with other applicable state and local planning processes, and airport access
- Public consultation
- Airport development priorities and justification, including analysis where needs cannot be met with current Airport Improvement Program/State Block Grant, and recommendations for alternative funding/programs to meet development priorities and justification
- Policy and investigation recommendations at all levels (local/state/federal), including recommendations for additional studies and a framework for ensuring a continual aviation system planning process
- Recommended changes to the National Plan of Integrated Airport Systems (NPIAS)
- Illinois Aviation Economic Impact Study and Technical Report that includes individual airport profiles
  - Economic impact study survey and inventory shall be completed within study survey and inventory for Illinois Aviation System Plan inventory of system condition and performance. Data to determine direct economic impacts, indirect economic impacts, induced economic impact, and total economic impacts shall be collected. Public consultation shall be combined with public consultation element of the aviation system plan development

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Proposed staffing from Prime and any Subconsultants	25
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	30
Project specific criteria: Data required shown under the SOI and experience listed below.	20

The completion date for this contract will be 24 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents and the individual in charge who is directly involved in the development of the project.

- The person or persons who will perform the QC/QA review work of all milestone submittals.

- All other persons anticipated to perform work on this project, including Disadvantage Business Enterprise (DBE) staff.

Statements of Interest must also include the following:

- An outline, including tasks, descriptions, and scheduling, that could be utilized to accomplish the project objectives stated including each system plan report element listed.

- A staffing plan which provides resumes of staff presented in Exhibit A. Experience, roles in relevant past projects, expertise, qualifications, and professional background of each key member of the firm/team, as it relates to the project, shall be presented. The anticipated utilization and current workload of these individuals during the period of this effort shall be described. If firms are proposing a team (multiple firms), the submittal shall include approximate percentage of work for which each firm will be responsible. Please be sure to indicate DBE firms.

- 4 examples of firm's produced airport system plan studies, as prime consultant, within the previous ten years. At a minimum, 3 examples must be given of which the firm served as prime consultant for full aviation system plan reports within the previous ten years. The remaining example can be given of which the firm served as prime consultant for an interim update of an airport system plan or a special study conducted under the FAA Airport System Planning Process in the previous ten years.

- A minimum of 3 state staff references for whom the firm has provide aviation system planning services for as project manager. Name of organization and contact person, title of contact, address, telephone numbers, email, and title of project/completion date shall be included.

- Firms shall detail their experience and qualification in utilizing and applying existing data from state DOT's and FAA, in aviation system planning efforts including economic impact analysis. This includes validation and reconciliation of existing data with new survey data/collection processes/methodology, including information gathered from site visits, expected to be utilized in producing up-to-date system inventory information with the necessary variables to conduct economic impact analysis.

- Firms shall outline experience and qualification in stakeholder engagement and outreach that resulted in high levels of participation and input that ultimately resulted in goal and objective establishment in aviation system planning projects.

- Firms shall include experience and qualifications in producing high-quality graphics and imagery, i.e. brand identity, that has been utilized in project materials including presentations and working papers as wells as all deliverables, both hard copy and electronic for a variety of end users.

- Firms shall include experience and examples of local/sponsor, state, and federal aviation policy recommendations rendered through aviation system planning services that resulted in positive change.

- Firms shall include a plan and approach to synthesize and detail all other aviation performance goals and associated measures, including resulting ramifications, from other States, in practice, in a format applicable to a variety of scenarios.

- Firms shall include special assets, areas of expertise, analytical tools, or data sources to which they may have access.

Additionally, the following unique experience should be included in Statements of Interests.

- Firms experience and qualification in producing individual airport economic analysis, of all airport categories and types, including a statewide aviation system economic impact study and technical report
- Firms techniques and experience in conflict resolution relative to aviation issues and aviation system plan studies.
- Firms experience during scoping process with “brainstorming sessions” as described in AC 150/5070-7 Change 1 to help further identify pertinent issues in the development of the Illinois Aviation System.
- Firms experience in providing recommendations and guidance on establishing continual aviation system planning processes.
- Firms approach and experience in coordinating and working with Technical Advisory Committees (TAC) in aviation system planning projects. The TAC will be set up after the consultant selection.
- Firms experience in integrating and coordinating planning efforts and studies, such as long-range transportation plans, between State DOTs, FAA, state metropolitan planning organizations, regional planning commissions, businesses, municipalities, airport tenants and users, and the general public.
- Firms experience working with FAA Block Grant States

The prime firm must be prequalified in the **Airports (Planning & Special Services)** category to be considered for this project, and have recent, relevant experience as a prime consultant in aviation system planning services within the previous five years. Do not list more than 10 completed applicable projects.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

37. <u>Job No. Airport-Study-1, Aircraft Operations Study at Selected Non-Towered Airports Statewide, Office of Planning and Programming, Aviation Section.</u>

This project may contain **Federal Funds.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 23, 2019** at **8:00 A.M.** at the Bureau of Planning Office in **Springfield.**

Planning and special services are required to provide annual total counts and characteristics of aircraft operations at approximately 20 non-towered airports throughout the state. An essential part of providing annual aircraft operations counts and aircraft characteristics at non-towered airports is the collection of sample data for extrapolation, through a variety of methods such as the use visual imagery and/or Automatic Dependent Surveillance-Broadcast (ADS-B)/Mode C transponders, regarding the type and quantity of aircraft operations. These data are necessary to fulfill requirements set forth by the Federal Aviation Administration through the State Block Grant Program, individual airport planning/design, and the practice of Integrated Airport System Planning and the Airport System Planning Process. Annual total aircraft operations count, including meta-data on characteristics such as aircraft type-make-model, utilized in determining existing and future critical aircraft, are expected to be at the following minimum airports:

1. Lewis University Airport – LOT
2. Schaumburg Regional Airport – 06C
3. Bolingbrook's Clow International Airport – 1C5
4. Lansing Municipal Airport – IGQ
5. Lake in the Hills Airport – 3CK
6. Morris Municipal Airport – C09
7. Effingham County Memorial Airport – 1H2
8. Litchfield Municipal Airport – 3LF
9. Rochelle Municipal Airport – RPJ
10. Carmi Municipal Airport – CUL
11. Dekalb Taylor Municipal Airport – DKB
12. Pontiac Municipal Airport – PNT
13. Coles County Memorial Airport – MTO
14. Mount Vernon Airport – MVN
15. Harrisburg-Raleigh Airport – HSB
16. Illinois Valley Regional Airport – VYS
17. Galesburg Municipal Airport – GBG
18. Greater Kankakee Airport – IKK
19. Mount Hawley Auxiliary Airport – 3MY
20. Vermilion Regional Airport – DNV

IDOT is utilizing Federal Airport Improvement Program (AIP) funds to conduct this study. IDOT is requiring data collection to determine aircraft operational counts to be conducted at approximately 20 non-towered airports for a minimum of two weeks during each of the four seasons (spring, summer, fall, winter). State of the art practices in counting aircraft operations at non-towered airports, utilizing a variety of methods and technologies such as visual imagery or ADS-B/Mode C Transponders, are described in the following work completed under the Airport

Cooperative Research Program of the National Academy of Sciences, sponsored by the Federal Aviation Administration:

- National Academies of Sciences, Engineering, and Medicine. 2007. Counting Aircraft Operations at Non-Towered Airports. Washington, DC: The National Academies Press. https://doi.org/10.17226/23241.
- National Academies of Sciences, Engineering, and Medicine. 2015. Evaluating Methods for Counting Aircraft Operations at Non-Towered Airports. Washington, DC: The National Academies Press. https://doi.org/10.17226/22182.

The following tasks are anticipated for this project:

- Project Kick-Off Meeting. The project will begin with a kick-off meeting. During this meeting, the final scope of work and work schedule will be discussed and approved, with Federal Aviation Administration Airports District Office coordination, that will meet the Department's needs and requirements, including Federal Requirements, with respect to conducting aircraft operations counts at selected airports and the accuracy and utility of the end data. This includes the method and equipment to be utilized for data collection and extrapolation, and the determination if form FAA 7460-1 or other local coordination will be necessary. In addition, given the approach, applicable safety and security rules and regulations will be outlined such as FAA Advisory Circular 150/5370-2 - Operational Safety on Airports During Construction or FAA Advisory Circular 150/5210-20 - Ground Vehicle Operations on Airports. Each deliverable of the study will be discussed in detail, so an understanding of the schedule and final product(s) expected from this project is established.
- Progress Update Meetings. The Consultant will update the Bureau of Planning and Aeronautics via monthly progress schedule reports and/or teleconferences.
- Collection of visual aircraft operational counts for extrapolation at selected airports.
- Availability of Data Once Collected. Bureau of Planning and Aeronautics anticipate conducting work on the Illinois Aviation System Plan Report during this contract period. To facilitate this effort, data on operations counts should be made available or shared as collected upon request from the Department.
- Final Deliverable. Consultant will provide electronic editable database to Bureau of Planning and Aeronautics utilizing software compatible with Department computers, to include:
    - Annual aircraft operations counts after extrapolation for each airport at which sample data was collected, including:
        - Total annual aircraft operations
        - Annual aircraft operations by aircraft type/make/model and design group for those aircraft B II and above (Aircraft Approach Category and/or Airplane Design Group) that can be utilized in determining critical aircraft and regular use per FAA AC No: 150/5000-17 - Critical Aircraft and Regular Use Determination
        - All sample data and metadata that was utilized to extrapolate annual aircraft operation counts including, at a minimum, aircraft type, make, and model. The metadata must be able to be correlated directly to the airport at which it was collected and operation it was counted toward.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Proposed staffing from Prime and any Subconsultants	25
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	30
Project specific criteria: Data required shown under the SOI and experience listed below.	20

The completion date for this contract will be 18 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents and the individual in charge who is directly involved in the development of the project.

- The person or persons who will be collecting sample data for extrapolation regarding the type and quantity of aircraft operations.

- The person or persons who will perform the QC/QA review work of all milestone submittals.

Statements of Interest must also include the following:

- Firms techniques for completion of this study, utilizing state of the art practice described within the Airport Cooperative Research Program, to include providing total annual aircraft operations counts at sought airports and providing meta-data on aircraft type, make, and model to determine current and future critical aircraft.

    - An outline, including tasks, descriptions, and scheduling, that could be utilized to accomplish the project objectives stated should be included.

- A staffing plan which provides resumes of staff presented in Exhibit A. Experience, recent past projects, expertise, qualifications, and professional background of each key member of the firm/team, as it relates to the project, shall be presented. The anticipated utilization and current workload of these individuals during the period of this effort shall be described. If firms are proposing a team (multiple firms), the submittal shall include approximate percentage of work for which each firm will be responsible. Please be sure to indicate DBE firms.

- A minimum of 3 state staff references for whom the firm has provided airport planning and special services and acted as the prime consultant. Name of organization and contact person, title of contact, address, telephone numbers, email, and title of project/completion date shall be included.

- Firms experience with traffic counting/analysis, survey data collection, and database creation.

- Firms relevant airport planning and special services projects. Statements of interest must list more than 5 projects with detail, within the previous five years.

- Firms include special assets, areas of expertise, analytical tools, or data sources to which they may have access.

Additionally, the following unique experience should be included in Statements of Interests.

- Firms experience operating on uncontrolled airports.
- Firms experience in determining critical aircraft for airport sponsors, State Departments of Transportation, or the FAA.

The prime firm must be prequalified in the **Airports (Planning & Special Services)** category to be considered for this project, and have recent, relevant experience in airport planning and special services within the previous five years. Do not list more than 10 completed applicable projects.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

38. <u>Job No. BI-37-001-19, Various Engineering Services for Structure Projects, Statewide, Bureau of Bridges and Structures.</u>

This project requires **12% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 06, 2019** at **10:00 A.M.** at the Central Bureau of Bridges and Structures in **Springfield.**

Various structural engineering services are required by the Bureau of Bridges and Structures. Projects may include plan preparation and plan review for the repair, rehabilitation, or replacement of structures, drafting services, policy investigation, and development, NBIS and Element Level Inspections and Load Rating Inspections, load capacity ratings of new and/or existing structures, field investigations, structural studies, and possible training. Minor projects may include geotechnical studies. The Consultant may be required to provide the appropriate bridge inspection equipment to complete inspections and field investigations. The Consultant may also be required to provide the appropriate traffic control. Work Orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis. All work for this project may be in either English or metric units.

The Consultant may be required to act as a Project Manager (PM) for various engineering services. The Consultant may be assigned to manage the review and preparation of various IDOT phase II projects. The Consultant will be expected to perform work similar to an IDOT Project Manager & staff, and report to a Bureau of Bridges and Structures Group Leader, Unit Chief, or Section Chief. The work may include engineering, management, public coordination, administrative services, and other work as necessary to ensure assigned projects are brought to completion in accordance with established schedules.

The department will furnish the available documents and resources to the Consultant. Projects to be handled by the selected Consultant vary greatly in size and complexity as well as timing. The selected Consultant must have the capacity to absorb this work without adversely affecting other commitments while still completing these projects in the prescribed time period.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	20
Proposed Staffing from Prime and any subconsultants	30
Proposed DBE use	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $1,500,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- Person who will assume the duties of Project Manager for all aspects of the work: (must be an Illinois Licensed Professional Engineer and an Illinois Licensed Structural Engineer).

- Person(s) who will perform the duties of the Project Engineer, defined as the individual-in-charge who is directly involved in phase II work: (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- Person who will perform the work in the area of structural plan preparation and will seal the plans as required (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- Person who will perform the work in the area of NBIS and Element Level inspections and training must be an NBIS qualified Team Leader and an Illinois Licensed Professional Engineer or Illinois Licensed Structural Engineer. In addition, the staff performing this work must be identified.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer with adequate plan review experience).

The prime firm must be prequalified in the **Structures (Highway: Advanced Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

39. <u>Job No. BI-37-002-19, Various Engineering Services for Structure Projects Statewide, Bureau of Bridges and Structures.</u>

This project requires **12% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 06, 2019** at **1:30 P.M.** at the Central Bureau of Bridges and Structures in **Springfield.**

Various structural engineering services are required by the Bureau of Bridges and Structures. Projects may include plan preparation and plan review for the repair, rehabilitation, or replacement of structures, drafting services, policy investigation, and development, NBIS and Element Level Inspections and Load Rating Inspections, load capacity ratings of new and/or existing structures, field investigations, structural studies, and possible training. Minor projects may include geotechnical studies. The Consultant may be required to provide the appropriate bridge inspection equipment to complete inspections and field investigations. The Consultant may also be required to provide the appropriate traffic control. Work Orders under a blanket agreement will be negotiated and authorized by the department on an as needed basis. All work for this project may be in either English or metric units.

The Consultant may be required to act as a Project Manager (PM) for various engineering services. The Consultant may be assigned to manage the review and preparation of various IDOT phase II projects. The Consultant will be expected to perform work similar to an IDOT Project Manager & staff, and report to a Bureau of Bridges and Structures Group Leader, Unit Chief, or Section Chief. The work may include engineering, management, public coordination, administrative services, and other work as necessary to ensure assigned projects are brought to completion in accordance with established schedules.

The department will furnish the available documents and resources to the Consultant. Projects to be handled by the selected Consultant vary greatly in size and complexity as well as timing. The selected Consultant must have the capacity to absorb this work without adversely affecting other commitments while still completing these projects in the prescribed time period.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	20
Proposed Staffing from Prime and any subconsultants	30
Proposed DBE use	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $1,500,000. The completion date for this contract will be 60 months after authorization to proceed.

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

- Person who will assume the duties of Project Manager for all aspects of the work: (must be an Illinois Licensed Professional Engineer and an Illinois Licensed Structural Engineer).

- Person(s) who will perform the duties of the Project Engineer, defined as the individual-in-charge who is directly involved in phase II work: (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- Person who will perform the work in the area of structural plan preparation and will seal the plans as required (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- Person who will perform the work in the area of NBIS and Element Level inspections and training must be an NBIS qualified Team Leader and an Illinois Licensed Professional Engineer or Illinois Licensed Structural Engineer. In addition, the staff performing this work must be identified.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer with adequate plan review experience).

The prime firm must be prequalified in the **Structures (Highway: Advanced Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

40. <u>Job No. HPR-66-075-19, Advanced Traffic Management System (ATMS) study, Bureau of Operations.</u>

This project may contain **Federal Funds**.

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 30, 2019** at **1:00 P.M.** at the Harry R. Hanley Building Central Office, Central Bureau of Operations in **Springfield.**

Engineering services are required for developing an ATMS Study in accordance with the National ITS Reference Architecture, in order to study the need and specifications for a Statewide Advanced Traffic Management System (ATMS). IDOT traffic management is divided into nine geographic Districts, of which several IDOT districts utilize different ATMS software/hardware to manage their ITS assets. This study will explore the desirability of a uniform Statewide ATMS software/hardware approach for IDOT, and how the ATMS system(s) supported by this software/hardware can operate and interact. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The IDOT Statewide Architecture and Strategic Plan will provide background architecture and guidance for the development of the study. The study document will be used to provide direction for the development of IDOT's future ATMS needs, goals and objectives, and strategies. This will allow IDOT to better integrate statewide efforts to provide coordinated response to traffic management issues such as incidents, special events, and scheduled lane closures. It will also provide for greater coordination and inter-operability to provide 24/7 ATMS operations on a statewide basis.

Work task are anticipated to consist of:

- Coordinate this study with a steering/technical committees structure to oversee and manage the study process, and to review and comment on key milestones.
- Conduct site visits to each of the IDOT District ATMS/TMC facilities to identify and establish their existing systems and operations and identify any unique needs for their functional requirements.
- Provide overview report of status, architecture, and condition of existing ATMS(s).
- Consult and coordinate with State DOT's directly adjacent to Illinois, as well as other public and private toll road agencies operating in and immediately adjacent to Illinois.
- Utilizing the systems engineering approach, define IDOT's ATMS needs and required functionality, including development of project ITS Architecture.
- Develop a Concept of Operations and Systems Requirements which will consider the operations requirements, identify cost and schedule for deployment, identify performance parameters, and define training and support needs.

Consultant services are anticipated to consist of leading a collaborative effort to identify issues and opportunities, identify appropriate strategies, develop courses of action, and ultimately produce a ATMS study document that will guide the department efforts. Services are expected to include travel within the state, overnight lodging, and evening meetings with partner agencies.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	10
Proximity of firm to project location	5
Available work capacity of firm	10
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	25
Project Specific Criteria: firms experience with open source, off-the-shelf, and custom ATMS solutions	15

The estimated engineering fee for this project is $500,000. The completion date for this contract will be 24 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents. Requires a minimum of a four-year college degree with emphasis on studies in transportation engineering and/or transportation planning. Requires a minimum of four years of responsible project management experience and a documented history of ITS project and program development and implementation, with specific experience in the development and planning for ATMS for transportation agencies. Shall also have familiarity with TSMO principles and have previous experience with developing regional/state ITS architectures.
- Person(s) with skill and mental development equivalent to completion of four years of college, preferably with emphasis on studies in transportation engineering and/or transportation planning.
- Person(s) with experience and a documented knowledge and experience of IT knowledge/ server installation and programming, ATMS/ITS software types and capabilities, general TMC operations, and DMS/ PTZ camera operations and programming.
- Person(s) with familiarity and experience in using ATMS and different forms of ITS software such as software used to program DMS.
- Person(s) who will perform the QC/QA review work of all milestone submittal documents. Include related experience with this type of work.

Consultants are required to provide a brief outline of proposed procedures to be used to accomplish the project objectives with the statements of interest.

The prime firm must be prequalified in the **Special Studies: Traffic Studies** category to be considered for this project.

Statements of Interest, including resumes of the key people, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

41. <u>Job No. HPR-25-003-19, Engineering Services for Pavement Testing, Engineering Evaluations and Performance Monitoring to be Performed Statewide for the Bureau of Research.</u>

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial at meeting on **February 15, 2019** at **9:30 A.M.** in the Bureau of Research (BR), 126 East Ash Street, **Springfield**.

This project requires specialized technical services in providing engineering services for the Pavement Technology Unit within the Bureau of Research (BR) of the department. These efforts are anticipated to include testing services, evaluation services, and monitoring services as described below. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Testing services are expected to include conducting destructive and non-destructive test methods as assigned. Such testing may include, but not be limited to pavement deflection, skid resistance, and surface profile. The majority of this work occurs between April and November. Two to six technicians may be required to conduct testing efforts. Testing is expected to be performed using department equipment; however, the consultant must be able to provide equipment if directed by the department. The test crew shall have two individuals at all times for safety reasons. All test methods shall be conducted in accordance with department policies. Test equipment, such as Falling Weight Deflectometer (FWD), friction trailer, inertial profiler, and reference profiler testing equipment, when provided by the department, will be maintained by the department. When directed to provide equipment for FWD, friction, or profile testing, the Consultant will be responsible for maintaining the equipment according to department policies at a minimum. Consultant personnel will be <u>required</u> to conduct testing services work at the Operations Sub-Unit located at 631 Eastdale Ave. in Springfield, unless otherwise directed by the department. These work efforts are expected to require overnight travel up to 3 or 4 nights per week during the above test season and occasional overnight travel the remainder of the calendar year.

The department will furnish suitable office/desk space, files, and computer and telecommunication equipment at the Operations Sub-Unit located at 631 Eastdale Ave. in Springfield for Consultant staff required to work from that facility. The following testing equipment will be provided by the department, or by the consultant when required by the department, for the Consultant personnel to operate:

- Friction Trailer and Tow Vehicle: International Cybernetics Corporation SFT5042 or equivalent operated according to Illinois Modified ASTM E 274.
- Falling Weight Deflectometer: Foundation Mechanics JILS 20T or equivalent operated according to ASTM D 4694.
- Inertial Profiler: Ames Engineering LISA and Surface Systems and Instruments CS9100 or equivalent operated according to ASTM E 950.
- Reference Profiler: International Cybernetics Corporation SurPro 4000 or equivalent operated according to ASTM E 2133.

Testing services may consist of, but not be limited to, the following tasks:

- Skid resistance testing of selected test sections throughout the state.

- FWD testing of selected test sections throughout the state.
- Surface profile testing for quality assurance or acceptance measurements of construction projects throughout the state.

Evaluation services will include conducting the Profile Equipment Verification (PEV) Program. Two to four engineers and technicians may be required to conduct evaluation efforts. The majority of this work occurs between February and June. The testing will use department equipment and follow departmental procedures. Test equipment includes a profile reference device. Test equipment will be provided and maintained by the department. The evaluation crew shall have two individuals at all times for safety reasons. The Consultant will collect the profile data and provide it to the Bureau of Research in a format acceptable to both parties. Work efforts for the PEV will be conducted at the selected location of the PEV, currently in Rantoul, IL or potentially in Springfield, IL.

The department will furnish the Consultant with the following:

- Supporting information for PEV Program.
- Profile Reference Device: SurPro 4000 or equivalent operated according to Manufacturer's Operator Manual according to ASTM E2133.

Evaluation services may consist of, but not be limited to, the following tasks:

- Determine reference profiles on up to two test sections.
- Schedule Contractor testing equipment.
- Witness Contractor testing and collect results.
- Analyze Contractor results and make recommendations on approval of devices.

Monitoring services include mechanistic pavement performance monitoring, as well as technology and new product investigations. Six to eight engineer(s) and technician(s) are required to conduct monitoring services. The pavement sections selected for mechanistic performance monitoring will be determined by the department from a specific list of projects designed according to the department's mechanistic pavement design procedure. Activities included in this effort are: conducting distress surveys, summarizing survey data, and entering survey data into a database. The Consultant must be familiar with Microsoft Access, Microsoft Excel, and internet applications. Other monitoring services include monitoring of experimental products or treatments.

The department will furnish the Consultant with the following:

- Training on the IDOT method and codes for distress surveys.
- Copies of previous distress survey (where applicable) and location map for each pavement section.
- Current copy of the existing mechanistic monitoring database to update as necessary.
- Project information for new and experimental products or treatment investigations.

Monitoring services may consist of, but not be limited to, the following tasks:

- Traveling to and conducting distress surveys (to record distresses, patching, and overlays) on specific pavement sections.
- Summarizing the total amount of distresses and patching on each pavement section.

- Entering survey data into the mechanistic monitoring database.
- Analyzing performance data and drafting reports of findings.
- Documenting field installations of new or experimental products.
- Performance monitoring of new and experimental products.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	10
Available work capacity of firm	20
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $3,900,000. The completion date for this contract will be 36 months after authorization to proceed. The authorization to proceed may not occur until May of 2019.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Testing Project Engineer, that individual in charge who is directly involved in coordinating the pavement testing (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with friction, deflection, and profile test methods and data analysis. In addition, the individual needs: good written and oral communications skills; a sound understanding of developing monitoring programs; and be well-versed in data and statistical analyses.

- The person(s) who will serve as Test Technicians, those individuals performing the testing services (must have a valid Illinois driver's license, a good driving record, and experience with the above non-destructive pavement testing). Test Technicians must demonstrate 5-years of experience and 25 projects tested with each ASTM test method listed above for performing non-destructive pavement testing.

- The person who will serve as PEV Project Engineer, that individual in charge who is directly involved in coordinating and conducting the PEV Program (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with profile data analysis and internet applications. In addition, the individual needs: knowledge of current IDOT policies and practices; and good written and oral communications skills at all levels of contact.

- The person(s) performing the duties of Evaluation Technicians and Evaluation Engineers, those individuals who are directly involved in assisting with the PEV program (must have experience with the above profile testing). Must demonstrate 5-years of experience with the ASTM test method listed above for performing pavement profile testing.

- The person who will perform the duties of Monitoring Project Engineer, that individual in charge who is directly involved in coordinating and conducting the mechanistic pavement

monitoring (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with conducting pavement distress surveys using either the SHRP or IDOT distress manual, performance monitoring, and/or research documentation. In addition, the individual needs: knowledge of distress surveys using either IDOT or SHRP distress codes; good written and oral communications skills; a sound understanding of developing monitoring programs; and be well-versed in data and statistical analyses.

- The person(s) who will serve as Field Technicians and Field Engineers in performing the monitoring services (must have a valid Illinois driver's license and a good driving record). Technicians and Engineers performing the monitoring efforts must demonstrate 5-years of experience with conducting pavement distress surveys using either the SHRP or IDOT distress manual, performance monitoring, and/or research documentation.

Statement of interest must include the firm's experience, 5-years is desired, in the following:

- IDOT pavement specifications, pavement management, pavement design, construction, maintenance, preservation, and rehabilitation.
- Distress surveys using either IDOT or SHRP distress codes.
- ASTM/AASHTO test methods required for testing and evaluation tasks.
- Microsoft Access, Microsoft Excel, Microsoft Word, WinSkid, ProVAL, and internet applications.

The Consultant must provide evidence of the licensing requirements listed above, and documentation for each individual showing experience with the specific aspects of the above work efforts as required for their involvement in the work.

Information obtained through any of the efforts listed above is the property of the Illinois Department of Transportation (IDOT) and cannot be sold/given to any other entity without written permission from IDOT.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

Firms interested in submitting for this item and are not currently prequalified must contact the Bureau of Design and Environment via e-mail to establish an account in EPAS so the firm can submit a Statement of Interest. Any procedural questions regarding Statements of Interest submittal and to set up an account in EPAS may be directed to the Bureau of Design and Environment at DOT.ConsultantServices@illinois.gov

42. <u>Job No. HPR-25-002-19, Engineering Services for Research Implementation, Surface & Structural Properties Analysis, and/or Pavement Design & Overload Analysis for the Bureau of Research.</u>

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 13, 2019** at **9:30 A.M**. at the Bureau of Research, 126 East Ash Street, **Springfield**.

This project requires specialized technical services in providing engineering services for several units within the Bureau of Research of the department. These efforts are anticipated to include research implementation, surface and structural properties analysis, and/or pavement design and overload analysis. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Key staff from the Consultant will be expected to perform work in the Bureau of Research, located at 126 East Ash Street, Springfield. The Consultant will be expected to perform work similar to IDOT staff. Suitable office/desk space, files, computer, and telecommunication equipment will be provided as needed.

Research implementation typically consists of implementing research project findings into departmental policies or practices. The Consultant may be required to travel overnight to coordinate and assist with implementation efforts.

This work may include, but not be limited to:

- Facilitating and expediting the resolution of implementation issues, drawing upon necessary resources and experts throughout the department.
- Assisting with developing specifications and policy documents.
- Arranging for the deployment and technology transfer of research project findings and deliverables.
- Qualifying/quantifying the benefit of implementing research project findings and deliverables.
- Tracking, reporting, and presenting the progress of implementation efforts.
- Evaluating and reporting on the benefit of implementation.

Surface and structural properties analysis consist of coordinating efforts pertaining to surface and structural properties of pavements.

This work may include, but not be limited to:

- Preparing and maintaining annual programs for non-destructive testing (falling weight deflectometer, skid resistance, and surface profile).
- Analyzing test results from various non-destructive testing devices.
- Preparing and revising specifications and policies pertaining to surface and structural properties.
- Drafting reports on analyses of structural and surface properties data.

Work may also include pavement design and overload analysis, which consists of assisting the Pavement Design Engineer with activities associated with pavement design using the department's design procedures.

This work may include, but not be limited to:

- Reviewing pavement designs and life-cycle costs analyses from districts.
- Preparing and maintaining the mechanistic pavement monitoring program and coordinating data input for the database.
- Performing pavement overload analyses for projects as requested by the districts and/or central offices.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	20
Proximity of firm to project location	10
Available work capacity of firm	20
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $3,250,000. The completion date for this contract will be 36 months after authorization to proceed. The authorization to proceed may not occur until May of 2019.

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

- The person who will assume the duties of Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).

- The person(s) who will perform the duties of Implementation Project Engineer, that individual conducting research implementation efforts (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with developing policies and specifications for transportation related issues. In addition, the individual needs: knowledge of current IDOT policies and practices; good written and oral communications skills at all levels of contact; a current, thorough understanding of engineering principles and construction practices; awareness of the latest developments in new technology; and be well-versed in research methods, data and statistical analyses, and day-to-day operations of the department.

- The person(s) who will perform the duties of Pavement Properties Project Engineer, that individual conducting surface and structural properties analysis efforts (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with IDOT pavement specifications, design, and rehabilitation. In addition, the individual needs: knowledge of current IDOT non-destructive test methods and surface properties policies; good written and oral communications skills; a sound understanding of developing testing programs; and experience with analyzing deflection, friction, and ride quality data.

- The person(s) who will perform the duties of Pavement Analysis Project Engineer, that individual conducting pavement design and overload analysis efforts (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with IDOT pavement specifications; pavement management; and pavement design, construction, maintenance, preservation, and rehabilitation. In addition, the individual needs: knowledge of current IDOT pavement design and selection policies and practices; good written and oral communications skills; a current, thorough understanding of engineering principles and construction practices; and experience with developing and maintaining performance monitoring programs including manual distress surveys using either the SHRP or IDOT distress manual.

Statement of interest must include the firm's experience, 5-years is desired, in the following areas, do not list more than 5 projects:

- IDOT pavement specifications; pavement management; and pavement design, construction, maintenance, preservation, and rehabilitation.
- Distress surveys using either IDOT or SHRP distress codes.
- Microsoft Access, Microsoft Excel, Microsoft Word, WinSkid, ProVAL, and internet applications.

The Consultant must provide evidence of the licensing requirements listed above, and documentation for each individual showing experience with the specific aspects of the above work efforts as required for their involvement in the work.

Information obtained through any of the efforts listed above is the property of the Illinois Department of Transportation (IDOT) and cannot be sold/given to any other entity without written permission from IDOT.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

Firms interested in submitting for this item and are not currently prequalified must contact the Bureau of Design and Environment via e-mail to establish an account in EPAS so the firm can submit a Statement of Interest. Any procedural questions regarding Statements of Interest submittal and to set up an account in EPAS may be directed to the Bureau of Design and Environment at DOT.ConsultantServices@illinois.gov

43. Job No. HPR-25-004-19, Quality Review of the Illinois Roadway Information System (IRIS) Data and Data Remediation for the Bureau of Research.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **February 01, 2019** at **9:30 A.M.** at the Bureau of Research (BR), 126 East Ash Street, **Springfield**.

This project requires specialized technical services in providing engineering services for the Pavement Technology Unit within the Bureau of Research and Planning and Systems Section within the Bureau of Programming of the Department. These efforts are anticipated to include data quality review and remediation services as described below. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Illinois Department of Transportation is transitioning to an asset management style of business which is driven by performance data. After closer review of the department's historical data, the staff has noticed errors and inconsistencies that need to be addressed. To ensure accurate and reliable performance data are used in asset management strategies, the department is looking to perform a quality review of the Illinois Roadway Information System (IRIS) and provide data remediation to resolve errors and inconsistencies.

The department will furnish suitable office/desk space, files, and computer and telecommunication equipment at either the Bureau of Research the located at 126 East Ash Street or the Bureau of Programming located at 2300 S. Dirksen Parkway in Springfield for staff required to work from that facility.

Work orders for data quality review and remediation services may consist of, but not be limited to, the following tasks:

- Perform a gap analysis of historical data from 2000 to the present.
- Review consistency of pavement surface type and distress data (e.g., rut, IRI, cracking, etc.).
- Review historical construction contract data for the current network and identify missing entries back to the original contract section.
- Update pavement cross-section information for existing sections.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	10
Proximity of firm to project location	10
Available work capacity of firm	25
The firm's experience with required project work	25
Firm's understanding/method of accomplishing project requirements	20

The estimated engineering fee for this project is $1,625,000. The completion date for this contract will be 48 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in coordinating the data quality review and remediation (must be an Illinois Licensed Professional Engineer). Must demonstrate 5-years of experience with pavement management data. In addition, the individual needs: good written and oral communications skills; a sound understanding of developing pavement management programs; and be well-versed in data and statistical analyses.
- The person(s) who will serve as Data Analysts, those individuals performing the data cleaning must demonstrate 5-years of experience with databases and subsequent computer software. In addition, the individual(s) needs: good written and oral communications skills; a sound understanding of pavement management data requirements; and be well-versed in data and statistical analyses.

Statement of interest must include the firm's experience, 5-years is desired, do not list more than 5 projects, in the following:

- IDOT pavement specifications; roadway plans; pavement management; and pavement performance activities (pavement design, construction, maintenance, preservation, and rehabilitation).
- Distress surveys using either IDOT or Strategic Highway Research Program (SHRP) distress codes.
- Microsoft Access, Microsoft Excel, Microsoft Word, Microsoft Sql Server, and internet applications.

The Consultant must provide evidence of the licensing requirements listed above, and documentation for each individual showing experience with the specific aspects of the above work efforts as required for their involvement in the work.

Information obtained through any of the efforts listed above is the property of the Illinois Department of Transportation (IDOT) and cannot be sold/given to any other entity without written permission from IDOT.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

Firms interested in submitting for this item and are not currently prequalified must contact the Bureau of Design and Environment via e-mail to establish an account in EPAS so the firm can submit a Statement of Interest. Any procedural questions regarding Statements of Interest submittal and to set up an account in EPAS may be directed to the Bureau of Design and Environment at DOT.ConsultantServices@illinois.gov.

44. <u>Job No. D-30-003-12, TCSP-09 IL (001), Savanna Palisades Trail Connects the City of Savanna and IL 84 through Mississippi Palisades State Park, Carroll County, Department of Natural Resources.</u>

This project may contain **Federal Funds**.

This project requires **20% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The Complexity Factor for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 30, 2019** at **1:00 P.M.** at the DNR Park Office in Mississippi Palisades State Park.

The Consultants work is expected to consist of the completion of the bike trail/pedestrian trail for the PII plan using the previously completed PI work approved PDR. Work will also consist of completing the Preliminary Engineering II Studies.

The project limits will be from the City of Savanna to IL 84 through Mississippi Palisades State Park. The total project length is approximately 4 miles. 2.1 miles of off road-trail from the campground to the Old Messner Road park entrance, the remaining project length is on-road; 4th Street to Weber Street to Scenic Ridge Road.

The following jurisdictions property may be involved; Illinois Department of Transportation, Carroll County Highway Dept., City of Savanna and the IDNR, or other public lands. The off-road trail will accommodate bicycling, hiking and jogging, only. Unauthorized vehicles will be excluded except for patrol/service/emergency vehicles weighing less than 7 tons.

The Department of Natural Resources will provide orientation on the trail alignment for this project. Alternatives will **<u>not</u>** be considered.

Services may include:

- Securing and or updating all required permits from the Illinois Department of Transportation, U.S. Army Corps of Engineers, Illinois Department of Natural Resources or other agency requiring permit actions.
- Confirm general topographic survey contour mapping at one-foot intervals and/or horizontal and vertical ground control for aerial photographs, aerial photography, cross sections every 100 feet (+-) inclusive of existing 6" caliper or greater trees measured at 4.5' dbh and local infrastructure.
- Confirm Wetland delineation, including a determination of whether wetlands are present and can be avoided.
- Confirm Geotechnical Investigation, including geotechnical survey, soils report and any necessary structural borings. The work also includes site investigation and soil probes.
- Perform strictly limited trail alignment clearing of trees for survey purposes.
- Confirm Preliminary Design: Trail location study to determine feasibility of proposed trail Alignment, and update costs estimates.
- Coordination meetings: Primary coordination with local jurisdiction will be handled by IDNR. The Consultant will be involved in three design review meetings at specified intervals subject to but not limited to, start up, 75% and 95%. The Consultant will be responsible for preparation of exhibits.

- IDNR will provide the Consultant with internal Environmental Review (CERP) which will be the necessary environmental data for the Phase I Project Report. These signoffs will include threatened and endangered species, wetland, and cultural resources.
- These plans shall meet all current AASHTO guidelines for bicycle trails.
- Perform final design preparation of all construction plans, special provisions and engineering cost estimates.
- Plans will consist of detailed plans and profiles, typical sections, quantities, cross sections, wetland mitigation plans, NPDES plans, miscellaneous details, DOT typical details and all other work required to complete the project.

The Consultant will be required to perform Phase II services in AutoCAD v2019 format. Plans, where requested, may be transmitted electronically via e-mail and will be posted to a project FTP web site for review. Additional web-based project management may be required. Final plans will be submitted on CD.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	20
Proposed staffing from Prime and any Subconsultants	30
Proximity of firm to project location	8
Proposed DBE use	2
The firm's experience with required project work	30

The completion date for this contract will be 12 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform/supervise the work in the area of hydraulic calculations (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of Landscape Architecture (must be an Illinois Licensed Landscape Architect) Special Services - Landscape Architecture Category may be completed by the Sub and/or Prime Consultant.

- The person who will perform the work in the area of structure plan preparation (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will be in direct supervision and control of the survey work must be a licensed Illinois Professional Land Surveyor.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work with adequate plan review experience and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The prime firm must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)

Special Services (Surveying)

Structures (Highway: Simple)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

OFFICE OF WATER RESOURCES

Springfield

One Natural Resources Way

Springfield, IL 62702-1271

REQUEST FOR PROFESSIONAL SERVICES

November 8, 2018

This is the official notice that professional services are required by the Illinois Department of Natural Resources (IDNR), Office of Water Resources (OWR), Lake Michigan Management Section. Selection for this project is ***anticipated*** to be the week of **January 07, 2019**.

This is not an invitation for bids. Firms properly prequalified for the project herein may indicate their desire to be considered for selection by submitting the requested information to the IDNR address listed within this Request for Professional Services.

SPECIAL NOTICE:

Because of federal funding contracts between consultant firms and the IDNR are not covered by the Response Action Contractor Indemnification Act (415 ILCS 100/1 et seq.), which provides for the defense, indemnification and liability limits in relation to claims arising out of work performed under the contract. The IDNR does not enter into agreements to indemnify or hold harmless consultants in connection with claims arising in connection with work performed under any contract. Insurance requirements and legal obligations are addressed in Section 2 of the Standard Agreement Provisions for Consultant Services. The successful Consultant will be presumed to have fully considered any perceived risks in relation to professional liability, in submission of the Consultant's Proposal.

The IDNR does not enter into agreements to indemnify or hold harmless consultants in connection with claims arising in connection with work performed under any contract. Insurance requirements and legal obligations are addressed in Section 2 of the Standard Agreement Provisions for Consultant Services. The successful Consultant will be presumed to have fully considered any perceived risks in relation to professional liability, in submission of the Consultant's Proposal.

IDNR hereby notifies all proposers that it will affirmatively ensure that in any contract entered pursuant to the advertisement, prequalified minority business enterprises will be afforded full opportunity to submit statements in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award.

Selection of professional consultants by IDNR is not based on competitive bidding but on the firm's professional qualifications, experience, and the expertise of key personnel to be assigned to the project with consideration also given to:

1) Ability to complete the work in the time required and the firm's existing workload.

2) The proximity to the IDNR/OWR Chicago Office of key personnel assigned to the project.

3) Financial evaluation of the firm and its accounting methods.

4) Performance rating for past work done for IDNR, if applicable.

All members of the IDNR Consultant Selection Committee will be unavailable to discuss specifics listed herein until selection of the specific firm has been announced.

IDNR's procedures ensure that all members of the Consultant Selection Committee are provided with detailed information concerning all Statements of Interest submitted by all consultants.

Please do not send letters expressing your interest in various projects and/or correspondence concerning your firm to members of the Consultant Selection Committee.

If you have any questions concerning the project, please contact Jim Casey, Office of Water Resources in the Illinois Department of Natural Resources at 312/793-5947 or e-mail at james.casey@illinois.gov.

Procedural questions regarding submittal of Statements of Interest may be directed to the Bureau of Design and Environment's Consultant Unit at 217/782-6916 or e-mail at DOT.Consultantservices@Illinois.gov

45. IDNR Project OWR, Lake Michigan Water Allocation Review and Modification

This project requires **17% DBE** participation, or if the contract goal is not met, documented evidence of good faith efforts.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for the project and all subconsultants are scheduled to attend a scoping meeting on **January 30, 2019** at **10:00 A.M.** at the Illinois Department of Natural Resources, Office of Water Resource's Chicago Office, 160 N. LaSalle Street, Suite S-703, Chicago, IL 60601.

The Consultant selected for this project will be expected to provide consulting engineering services for the review and update of Lake Michigan water allocations for approximately 218 existing domestic water allocation permit holders in the Northeast Illinois area. Services will be provided in two phases as described below.

Phase 1 – Review of Historic Water Use and Development of Revised Demand Projections

Under Phase 1 the Consultant will perform services related to the review of historic water use and the development of revised water demand projections through the year 2050 for the existing domestic Lake Michigan allocation permit holders. Phase 1 services will lead up to the submittal of draft water demands and initial allocation adjustment recommendations to the IDNR/OWR and the support of the initial distribution of this information to the allocation permittees by the IDNR/OWR.

The IDNR/OWR will provide the Consultant historic water use data for the existing Lake Michigan water allocation permittees in the form of an electronic database (Microsoft Access 2016). The Consultant will obtain historic population, housing and employment data from the 2000 and 2010 census and the current approved projections of population, housing and employment directly from the Chicago Metropolitan Agency for Planning (CMAP). The Consultant will review the data and prepare a memo summarizing key observations as well as any critical data gaps. The consultant will propose to IDNR/OWR actions required to address data gaps and indicate the additional effort and cost associated with such actions.

Using the collected data the Consultant will compare the Lake Michigan allocations for existing permittees with their reported water use for the period of 2009-2017. Permittees with historic usage or unaccounted-for-flow (non-revenue water) outside of IDNR/OWR's allowable ranges will be flagged. Results of the comparison will be documented in a memorandum accompanied by tabular and graphical summaries.

The Consultant will review the water demand projection methodology used for the last allocation updates and evaluate options for modifications to improve the methodology. As part of this review the Consultant will attend one meeting with the IDNR/OWR and representatives from the City of Chicago to discuss the application of the projection methodology to Chicago. This meeting will be held in Chicago, IL. The Consultant will prepare notes from both meetings and distribute them.

Upon completion of the methodology review and coordination meetings, the Consultant will meet with the IDNR/OWR staff in Chicago to discuss potential modifications to the methodology. Decisions made during the review will be documented in meeting minutes and

used as the basis for the application of the methodology for development of updated water demand projections out to the year 2050.

The Consultant will use the historic water use data provided by IDNR/OWR, the population, housing and employment projections obtained from CMAP, and the projection methodology as the basis for generating projections of water demands for the existing allocation permittees through the year 2050. Projections of future water demands will be provided for each year between 2020 and 2050. The Consultant will submit the draft water demands to the IDNR/OWR in tabular form along with a memo describing the basis for development of the demands. The Consultant will also develop a template that can be used to produce a summary report of the demand projection computations for individual permittees.

Phase 2 – Review of Comments and Preparation of Final Demand Forecasts and Allocation Adjustment Recommendations

The Consultant will receive and log comments from existing allocation permittees on the draft water demand projections received during the provided comment period (assumed to be 45 days). The Consultant will review the comments received and classify the comments according to one of the following categories:

- Information only – no response or action required.
- Request for clarification.
- Request for adjustment in demand projection – adjustment basis accepted.
- Request for adjustment in demand projection – additional information requested.
- Request for adjustment in demand projection – adjustment basis not accepted.

The Consultant will maintain a log of its review of comments and provide an updated log to IDNR/OWR on a bi-weekly basis. The Consultant will discuss comments with IDNR/OWR staff on a bi-weekly basis during the comment period and provide input to IDNR/OWR on comment responses. Formal responses to comments will be issued by IDNR/OWR.

Based on the review of permittee comments with IDNR/OWR, the Consultant will prepare revised projections of water demands through the year 2050 for the existing allocation permittees. Projections of future water demands will be provided for each year between 2020 and 2050. The Consultant will submit the revised water demands to the IDNR/OWR in tabular form along with a memo describing the basis for adjustment to the demand projections and recommendations for allocation adjustments. The Consultant will also provide IDNR/OWR with a copy of the individual permittee summary reports for each of the existing permittees.

The Consultant will compile information from the interim deliverables prepared for the project into a final project report suitable for submittal into the record of the allocation hearings. Backup data used for the demand projections will be included in appendices to the report along with the comment response log. The Consultant will submit the draft project report along with one copy of the appendices to IDNR/OWR staff to discuss comments on the draft. The Consultant will then prepare and submit a final copy of the project report and appendices.

The Consultant will serve as the expert witness for the water demand projection effort at the IDNR/OWR administrative hearing on the allocation update process. The Consultant will furnish a Project Manager and adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the departmental policies for this project.

The Consultants Statement of Interest will be rated based on:

Rating Description	Weighted %
Past performance in project categories	10
Proposed staffing from Prime and any Subconsultants	10
Proximity of firm to project location	5
Available work capacity of firm	10
The firm's experience with required project work	20
Firm's understanding/method of accomplishing project requirements	15
Project Specific Criteria: knowledge and experience in developing long term water allocation projections for public water supply systems in Northeastern Illinois.	30

The completion date for this project will be 18 months after authorization to proceed.

Key personnel listed on **Exhibits A & B** for this project must include:

- The person who will assume the duties of Project Manager for all aspect of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contracted documents (must be an Illinois Licensed Professional Engineer).

- The environmental lead, who will be responsible for the day to day management of the environmental work effort, and the persons responsible for all environmental disciplines including socio-economics/community impacts, ecology, noise and water quality, public Involvement, and technical writing. Environmental Staffing on **Exhibit B** must match the staffing presented in the firm's most recently approved Statement of Experience and Financial Condition.

- The person(s) who will perform the QC/QA review work of all submittals (must be an Illinois Licensed Professional Engineer).

Statements of Interest must provide a proposed organizational chart for the proposed Consultant team, including resumes, with proposed percentage of time commitment and the approach the firm would take on this project. Also, include past firm experience with this type of work. Do not include more than 10 completed applicable projects.

The prime firm must be prequalified in the following categories to be considered for this project:

Location/Design Studies (Rehabilitation)
Environmental Reports (Environmental Assessment)
Hydraulic Reports (Waterways: Complex)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment through the Engineering and Prequalification Agreement System (EPAS).

NOTICE
2018 Standard Agreement Provisions for Consultant Services (SAPCS)
July 01, 2018

2018 SAPCS applied to all proposal packages (Prime and Sub) received by the Central Office after July 1, 2018.

For contracts advertised on PTB 184 and before – language will be included in the agreement overriding the new compensation language in the 2018 SAPCS.

We encourage the review of the entire SAPCS, the following are significant revisions.

- All firms are required to notify the department of the loss of a prequalification category (2.12)
- All subconsultants are required to be paid within 15 calendar days of prime receiving payment from the Department (2.63)
- DBE Administration (2.67)
    - Subconsultant Utilization Plan will be required with PTB 189 Statements of Interest (2.24)
- Consultant Compensation (2.90)
- Fixed Fee (2.91)

The SAPCS are available on the IDOT Website: Standard Agreement Provisions for Consultant Services July 1, 2018

NOTICE
Subconsultant Utilization Plan
July 01, 2018

The Input for Statements of Interest for each Item has been revised. Teaming, will now require the category and % of work by the team members. Input will be the same process as subconsultant entry.

Teaming

*Will the firm be entering into a Teaming Agreement for the item (The lead firm must be the one submitting for the item)? Yes

--Select To Add Firm--

Firm Name	Email	Edit	Delete	% work Bv Firm (NEW)	Qualifications (NEW)
Firm Name	Carrie.Kowalski@Illinois.gov	Edit	Delete	Include Number	Prequal Category

Subconsultants Work Performed

IDOT PreQualified Firms

--Select To Add Firm--

Firm Name	DBE	Qualifications	Categories	%Work by Firm	Edit	Delete
Firm Name A	No	Structures - Highway: Simple	View	2	Edit	Delete
Firm Name B	Yes	Special Services - Surveying	View	5	Edit	Delete
Firm Name C	'es	Special Services - Construction Inspection	View	10	Edit	Delete

Mentor Input stays the same, no changes.

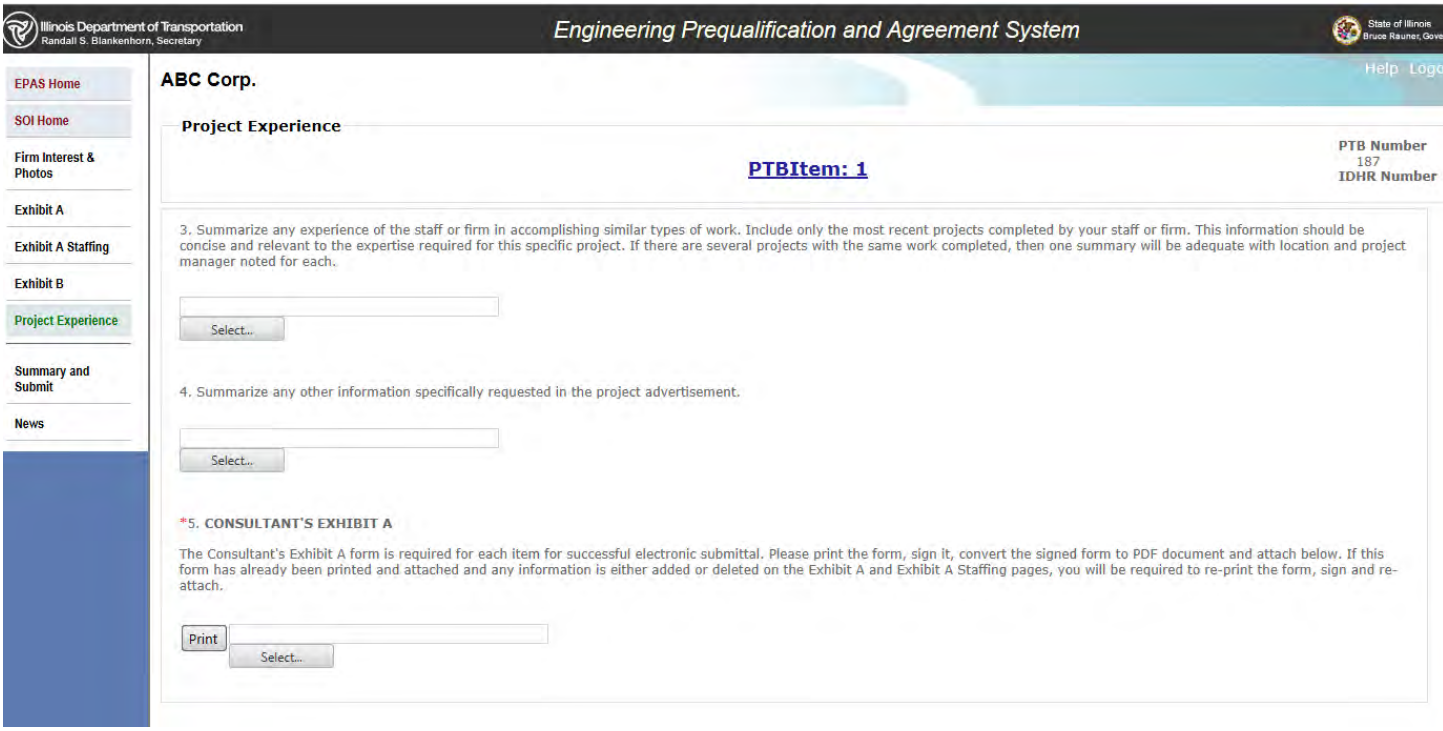
Mentor-Protégé

*Firm is proposing a Mentor-Protege on this project? Yes

--Select New Protege Firm--

Pr Firm Name B me	Areas of work (PreQualification Categories) they will be participating in	Commands
	Roads and Streets	Edit Delete

To submit the U-Plan, the process will be the same as submitting the Exhibit A. The U-plan will be printed and then attached. If selected the prime and subs will complete and bring to the negotiation meeting.



*6. Subconsultant Utilization Form

The utilization form is required for successful electronic submittal. Please print the form and attach below. The forms are not required to be completed at submittal time. If selected for this Item, the prime firm will be required to Select "View", then print the forms, complete the forms and have any subconsultants complete and provide the forms to the Project Manager.

The following is an example U-Plan which would be attached.

Consultant's Utilization Plan
PTB # XXX Item # XXX
Advertisement DBE Goal XX

I certify I am the_____of the firm of _____ and I have thoroughly reviewed our proposed subconsultant utilization plan. If we are selected for this project, we will assign it as a top priority project with our firm's proposed staff and the subconsultant's staff for the full term of the contract. The office location for correspondence relating to this project is:

Address _____

City/State/Zip _____

As the Consultant I further agree to ensure disadvantaged businesses as defined in 49 CFR Part 26 and the Standard Agreement Provisions for Consultant Services (SAPCS) have the maximum opportunity to participate in the performance of subcontracts financed in whole or in part with Federal or State funds. The consultant shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure said businesses have the maximum opportunity to compete for and perform under this contract. The consultant shall not discriminate based on race, color, national origin or sex in the award and performance of contracts.

I, acting in my capacity as an officer of the undersigned submitting firm (or firms if a Teaming Agreement), hereby assure the Department on this project my firm: (check one)

☐ Meets or exceeds the advertisement goals and have provided documented participation as follows:
Disadvantaged Business___ percent
Attached are the signed participation statements forms evidencing availability and use of each consultant firm participating in this plan and assuring each business will perform a commercially useful function in the work of the contract.

☐ Failed to meet contract award goals and has included good faith effort documentation to meet the goals and my company has provided participation as follows:
Disadvantaged Business Participation ___ percent
The contract goals should be accordingly modified or waived. Attached is all information required by the SAPCS in support of this request including good faith effort. Also attached are the signed participation statements forms, required by the SAPCS evidencing availability and use of each business participating in this plan and assuring each business will perform a commercially useful function in the work of the contract.

_____
Print Name

_____
Signature

Title _____

Date _____

Firm Name _____

Phone _____

Email Address _____

EXAMPLE ONLY

Consultant's Utilization Plan
PTB # XXX Item # XXX
Advertisement DBE Goal XX

Subconsultant/DBE Participation Statement

Subconsultant Name	DBE	Category(ies) of work	Estimated %
FIRM ABC	Yes	Surveying	10

The undersigned certify the information included herein is true and correct, and if the subconsultant firm listed has agreed to perform a commercially useful function in the work of the Prequalification Category listed above and to execute a contract with the Prime Consultant. The undersigned further understands no changes to this statement may be made without prior approval from the Managing office, (District/Bureau) and complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

EXAMPLE ONLY

Signature for Prime Consultant	Signature for Subconsultant
Date _____	Date _____
Contact Person _____	Contact Person _____
Title _____	Title _____
Firm Name _____	Firm Name _____
Address _____	Address _____
City/State/Zip _____	City/State/Zip _____
Phone _____	Phone _____
Email Address _____	Email Address _____

Consultant's Utilization Plan
PTB # XXX Item # XXX
Advertisement DBE Goal XX

Subconsultant/DBE Participation Statement

Subconsultant Name	DBE	Category(ies) of work	Estimated %
XYZ	No	Roads and streets	3

The undersigned certify the information included herein is true and correct, and if the subconsultant firm listed has agreed to perform a commercially useful function in the work of the Prequalification Category listed above and to execute a contract with the Prime Consultant. The undersigned further understands no changes to this statement may be made without prior approval from the Managing office, (District/Bureau) and complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

EXAMPLE ONLY

Signature for Prime Consultant	Signature for Subconsultant
Date	Date
Contact Person	Contact Person
Title	Title
Firm Name	Firm Name
Address	Address
City/State/Zip	City/State/Zip
Phone	Phone
Email Address	Email Address

NOTICE
Compensation

Effective 08-03-17

All future projects, beginning with PTB 185, will utilize the following:

Salary Cap: Use a salary cap of $75 for all classifications for negotiations and in determining the contract upper limit. Utilize the actual salary rate of employees for invoicing.

Cost Plus Fixed Fee (CPFF) method of compensation

CPFF formula:

Compensation = DL+DC+OH+FF

Where Fixed Fee (FF):

For Prime Agreements is:
(0.33+ R)DL+%DL=FF

%DL = 10% of Direct Labor (DL) of Subs

For Sub-Consultants
(0.33 + R)DL

Note: The Total Fixed Fee cannot exceed 15% of DL + OH unless expressly stated in the advertisement. For Prime Consultants, the Total Fixed Fee includes the Subconsultant %DL.

Where:

R= Complexity Factor: 0, 0.035, or 0.07
DL = Direct Labor
DC= Direct Cost
OH= Overhead Rate

<u>Escalation Rate:</u>

The percentage used to project the consultant's current hourly rate throughout the life of the project to account for future raises will be 2% per year.

Notice
Consultant Invoicing
11-17-16

The Department makes every effort to expedite the processing of engineering consultant invoices for payment. However, before the Department can process invoices for payment, the consultant must have a current Certificate of Insurance on file. The insurance requirements are provided in Sections 2.26 and 2.62 of the Standard Agreement Provisions for Consultant Services.

Listed below are possible causes for payment delay:

1. Either no certificate of insurance on file or it has expired.
2. The limits of coverage are insufficient.
3. The failure to show the Department as Additional Insured and Certificate Holder.
4. The failure to provide a 30-day cancellation notice.

The Accord Certificate of Insurance (Form 25) is often used to reflect evidence of insurance coverage. Included on the form should be a statement indicating the Illinois Department of Transportation, its officers and employees are named as an Additional Insured for General Liability. In addition, the Certificate Holder should be shown as:

Illinois Department of Transportation
Bureau of Design and Environment
2300 S Dirksen Parkway
Springfield, IL 62764

Completed Certificates of Insurance should be uploaded into EPAS under the Corporate Details. The certificates should be updated annually with the SEFC renewal and if the certificate expires between renewals, then an Amend to the SEFC is required.

NOTICE

Statements of Interest Rating Criteria in Advertisement

November 10, 2016

There is an addition to the advertisements. To comply with 23 CFR Part 172, Procurement, Management, and Administration of Engineering and Design Related Services the items are required to show the criteria used in the review of the Statements of Interest.

A chart similar to the following will be included for each item on the bulletin. The Rating Description and weighted percent will vary for each item.

The Consultant's Statement of Interest will be rated based on:

Rating Description	Weighted %
Past Performance in Project Categories	0-30
Proposed Staffing from Prime and any subconsultants	0-30
Proximity of firm to project location	0-10
Proposed DBE use	
The firms experience with required project work	0-30
Firms understanding/method of accomplishing project requirements	0-30
Specific project information, not covered by the descriptions above	0-30

NOTICE
Overhead Rates

This is a reminder that consultant firms doing business with the Department should ensure they are using the correct overhead rate type consistent with their accounting practices and the project scope.

The vast majority of consulting firms doing business with the Department have a single, combined overhead (OH) rate for payroll burden, fringe expense rate, and general administrative expense. This OH rate is often referred to as a Combined or Blended rate. However, there is a small percentage of firms who have multiple OH rate types. These multiple OH rate types often include a Home Office Rate, a Field Office Rate and sometimes a Combined Rate.

Firms with multiple OH rate types should ensure they are using the correct OH rate type when completing cost estimates and when invoicing the Department. The OH rate type should be consistent with the firm's accounting practices and should be discussed with the Department's project manager during initial contract discussions and/or meetings.

NOTICE

IDOT Prequalification Letter (5-5-16)

There is an approval letter for each approved SEFC application. The letter is dated with the print date; the body of the letter contains the fiscal year approval date.

If the firm was not approved, there isn't a letter.

SEFC Applications

Start New SEFC | Amend Last SEFC

App Id	Application Date	Fiscal Year Ending Date	Type	Overhead %	Status	Category	Additional Info	Approval Letter
SEFC ID : 1	03/29/2016	12/31/2015	NewSEFC	134.2	APPROVED	View	View	Approval Letter
SEFC ID : 2	11/06/2013	06/30/2012	NewSEFC	0.00	NOT_APPROVED	View	View	NO LETTER
SEFC ID : 3	05/06/2013	12/31/2012	AmendSEFC	137.19	APPROVED	View	View	Approval Letter
SEFC ID : 4	04/11/2013	06/30/2011	AmendSEFC	137.19	APPROVED	View	View	Approval Letter
SEFC ID : ...	04/08/2013	06/30/2012	AmendSEFC	10.00	APPROVED	View	View	Approval Letter

SEFC ID 1 would have a letter stating in the first paragraph: We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending December 31, 2015.

The last paragraph in the letter would state, Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

SEFC ID 2 would not have a letter, firm was not approved

SEFC ID 3 would have a letter stating in part: We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending December 31, 2012.

SEFC ID 4 would have a letter stating in part: We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending June 30, 2011.

The IDOT prequalification approval letters:

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending (date specific to the firm's fiscal year end date). Your firm's total annual transportation fee capacity will be (determined as noted in the BDE Manual Chapter 8).

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling (Overhead%) are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until (Fiscal Year + 1 year). You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

The last paragraph is saying your firm is prequalified for one year based on the firm's fiscal year and to remain prequalified the firm must submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) within 6 months. IDOT is giving the firm time to gather and complete information; we don't expect the firms to be able to submit data immediately. The firm remains prequalified during this six month grace period. Once the data is submitted, either before or on the due date, the firm remains prequalified in the current categories until IDOT reviews a category and makes a determination. If there is not submittal by the due date, the firm is automatically listed as not approved.

NOTICE

List of Prequalified Consultant Firms

May 05, 2016

IDOT provides a listing of prequalified consulting firms on the IDOT website, under Engineering, Architectural Professional Services

This list is typically updated weekly, and is based on the most recently approved SEFC application.

Information has been added to the website to help clarify:

Prequalification

All engineering, land surveying, and architectural consultants interested in providing services to IDOT, whether as a prime or subconsultant, must be prequalified with the department. IDOT prequalifies architectural and/or engineering consultants in multiple transportation categories of service. Prequalification is based on the firm's and the individual's professional experience and qualification. Annual updates to statements of experience and financial condition must be completed to maintain prequalification status. The process is governed by state Statute (30 ILCS 535/1).

There are approximately 400 firms prequalified with IDOT that are able to submit statements of interest on engineering, land surveying and architectural project advertisements. Updated every Friday, the List of Prequalified Consultants, List of Prequalified DBE Consultants and List of Prequalification Categories without a DBE firm, provides the firm name, address, DBE status, contact person, phone number, fax number and prequalified IDOT category or list posted is from the firms last approved Statement of Experience and Financial Condition. Firms with information in for review may have additional prequalification categories or may not have all the prequalification categories listed. Firms can track the progress of their Statement of Experience and Financial Condition review by viewing Status Column and the Category Column in EPAS.

Firms are encouraged to monitor their prequalification status in EPAS.

To check the status of an application and/or view current prequalification, log on to EPAS. In this example, the review of the application has not been completed. The Financial Portion is under review. The review of the requested prequalification categories is complete, note the RANKING_COMPLETE in the Status Column. Once the status column says APPROVED, the entire review is complete.

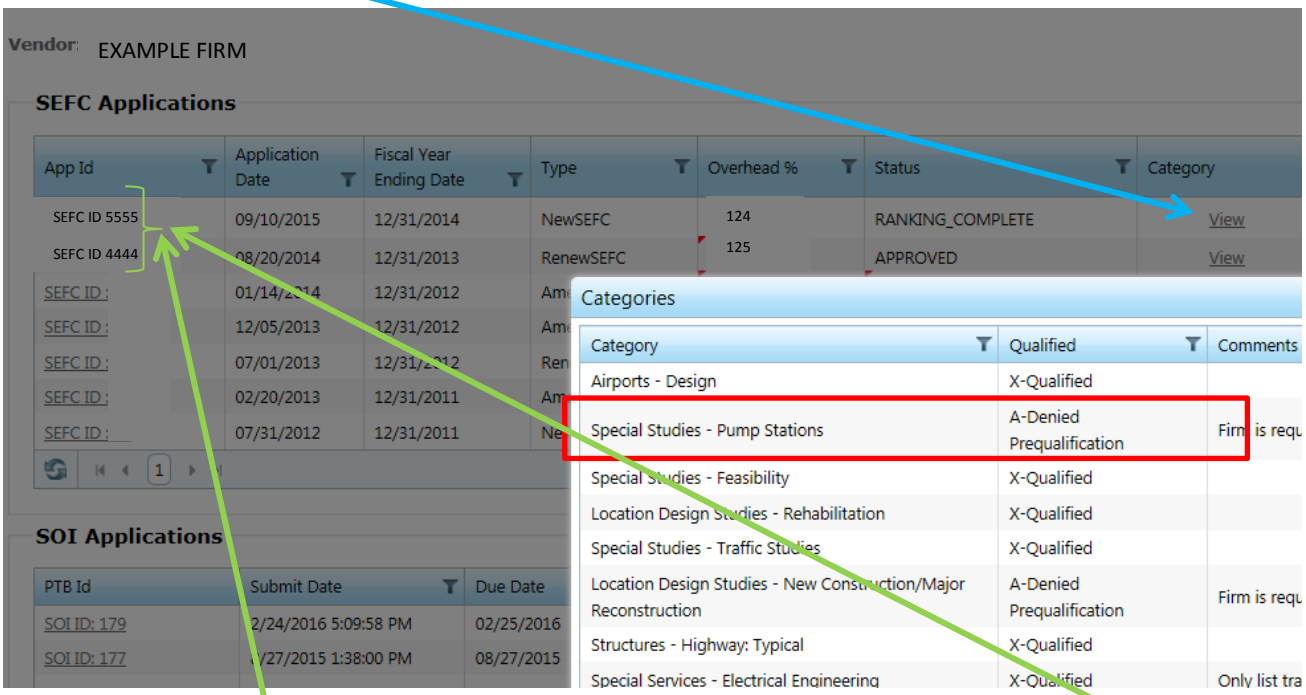
Vendor Search Results / Details

Vendor: |

SEFC Applications

App Id	Application Date	Fiscal Year Ending Date	Type	Overhead %	Status	Category	Additional Info
SEFC ID :	09/10/2015	12/31/2014	NewSEFC	116.45	RANKING_COMPLETE	View	View
SEFC ID :	08/20/2014	12/31/2013	RenewSEFC	118.52	APPROVED	View	View
SEFC ID :	01/14/2014	12/31/2012	AmendSEFC	117.62	APPROVED	View	View
SEFC ID :	12/05/2013	12/31/2012	AmendSEFC	117.62	APPROVED	View	View
SEFC ID :	07/01/2013	12/31/2012	RenewSEFC	117.62	APPROVED	View	View

At Ranking Complete, SEFC ID 5555, the firm can view their status of the proposed prequalification categories; select View in the Category Column. It will note if your firm is qualified or not qualified.



Until the SEFC ID 5555 application is approved, the data from the last approved SEFC ID 4444: will show on the website. In this example, the firm was prequalifed in Special Studies-Pump Station and the prequalification for the category shows on the website. The firm is not currently prequalified in pump stations and it is not showing on the website because the firm's application is under review. The firm would not be prequalfied for the category and would not be considered for items requiring Special Studies – Pump Station.

Categories

Category	Qualified	Comments
Airports - Design	X-Qualified	
Special Studies - Pump Stations	X-Qualified	
Special Studies - Feasibility	X-Qualified	
Location Design Studies - Rehabilitation	X-Qualified	
Special Studies - Traffic Studies	X-Qualified	
Location Design Studies - New Construction/Major Reconstruction	X-Qualified	

Information on website:

EXAMPLE FIRM

ries: Airports - Design,Highways - Freeways,Highways - Roads and Streets,Hydraulic Reports - Waterways: Complex,Hydraulic Reports - Waterw
Construction/Major Reconstruction,Location Design Studies - Reconstruction/Major Rehabilitation,Location Design Studies - Rehabilitation,S
- Construction Inspection,~~Special Services - Electrical Engineering~~,Special Services - Mechanical,Special Services - Sanitary,Special Studie
Drainage,Special Studies - Pump Stations,Special Studies - Safety,Special Studies - Traffic Studies,Structures - Highway: Advanced Typica

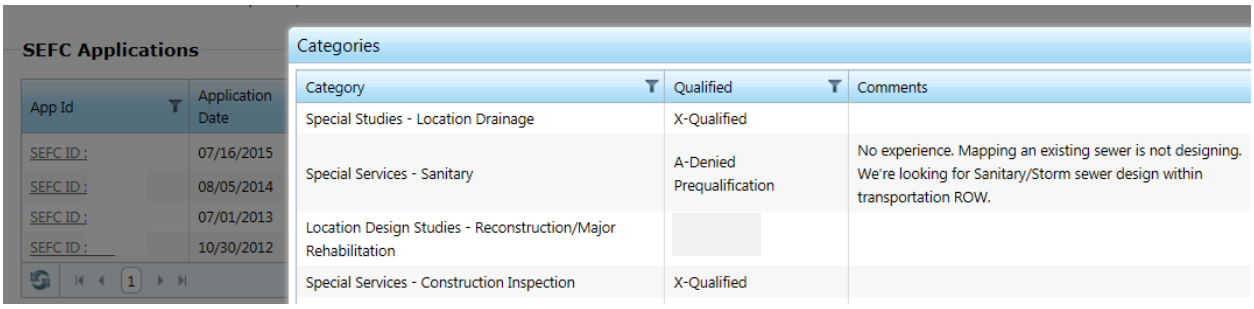
If the firm's status is Ranking Process, the prequalification category reviews have not been completed.

In this example, the firm's prequalification status by category remains as is, until IDOT completes the review of the category.

At this point, the firm is prequalified in Location Drainage, and Construction Inspection.

The firm is not prequalified in Sanitary.

For the Reconstruction/Major Rehabilitation, the category has not been reviewed. If they were qualified previously they are qualified, if they were not qualified in the previous submittal then they are not qualified.



SEFC Applications

App Id	Application Date
SEFC ID :	07/16/2015
SEFC ID :	08/05/2014
SEFC ID :	07/01/2013
SEFC ID :	10/30/2012

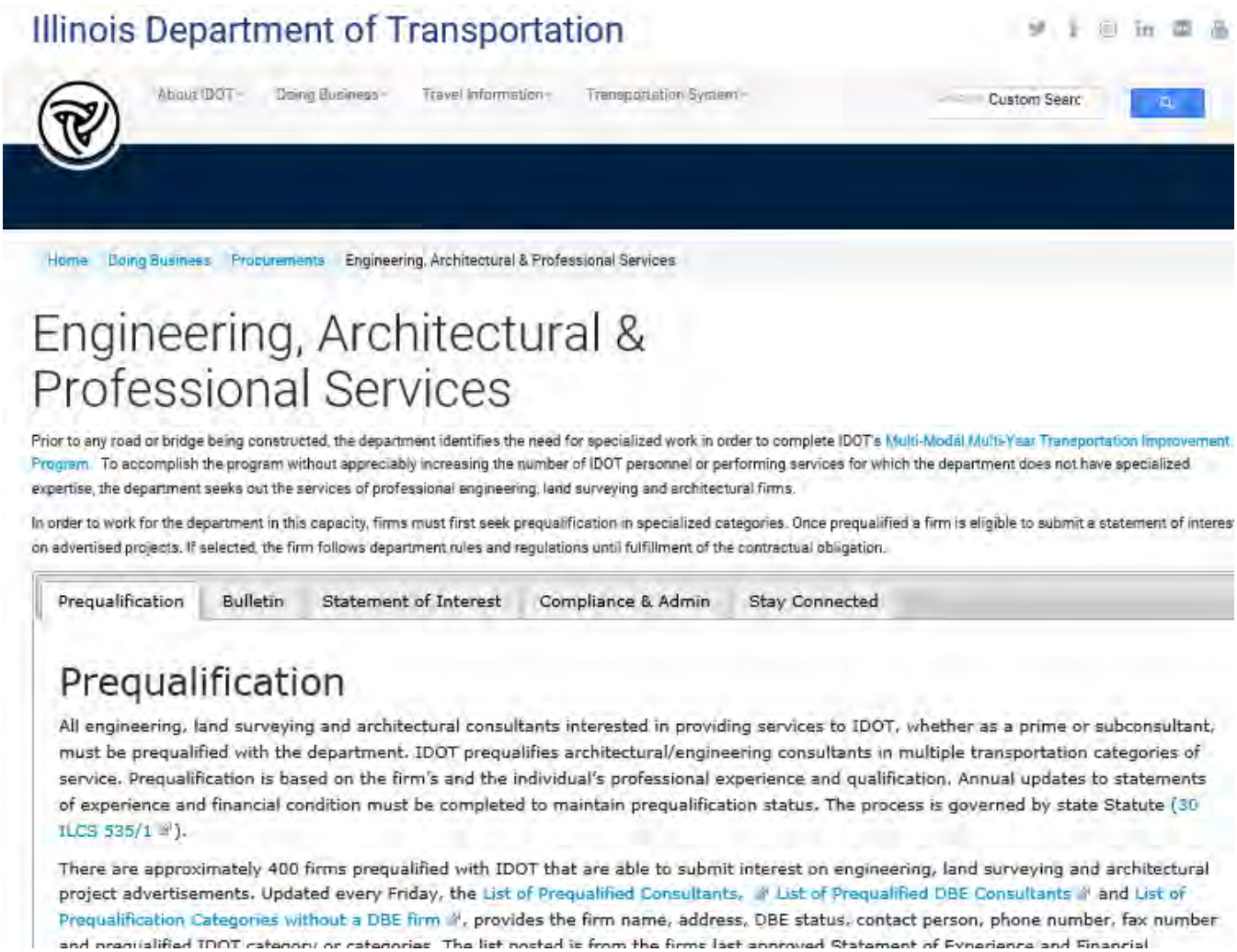
Categories

Category	Qualified	Comments
Special Studies - Location Drainage	X-Qualified	
Special Services - Sanitary	A-Denied Prequalification	No experience. Mapping an existing sewer is not designing. We're looking for Sanitary/Storm sewer design within transportation ROW.
Location Design Studies - Reconstruction/Major Rehabilitation		
Special Services - Construction Inspection	X-Qualified	

A reminder to firms, only one active application at a time is allowed. If there are necessary revisions needed while IDOT is reviewing, such as key personnel have left firm, expired insurance, or anything effecting the firms prequalification status send an e-mail explaining the situation. Once IDOT has completed the review, go to EPAS select amend and make the necessary revisions.

Navigating the web-site for Engineering Consultant Firms

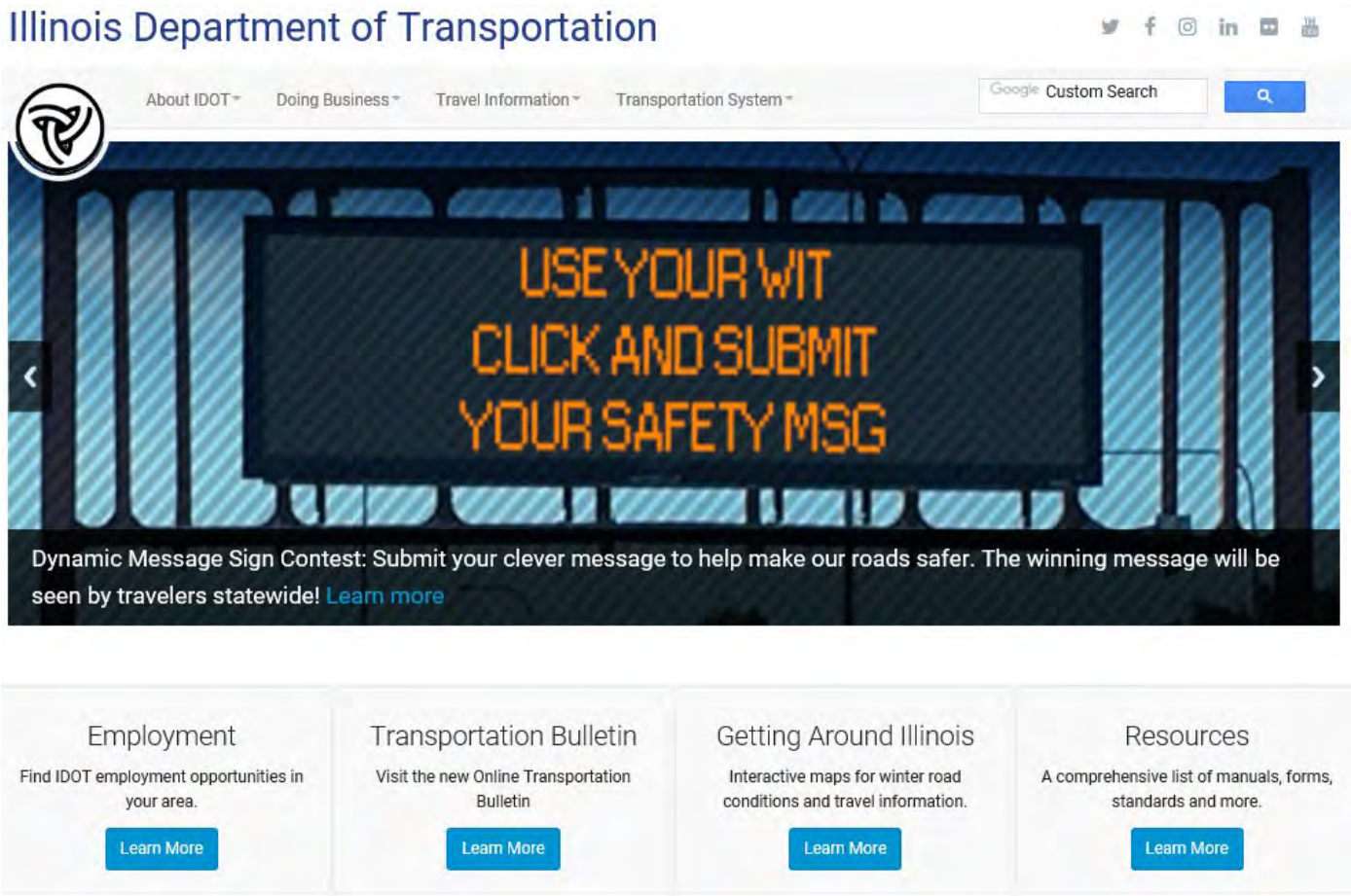
This gives a quick overview of the website and locations of data typically used by Consultant Engineering firms. Most information is located under the Doing Business, Procurements, Engineering, Architectural & Professional Services: http://www.idot.illinois.gov/doing-business/procurements/engineering-architectural-professional-services/index



The tabs for Prequalification, Bulletin, etc. contains additional information for Consultant Engineering firms doing business with IDOT. There is a substantial amount of useful information; the following descriptions are only a portion of the data located here.

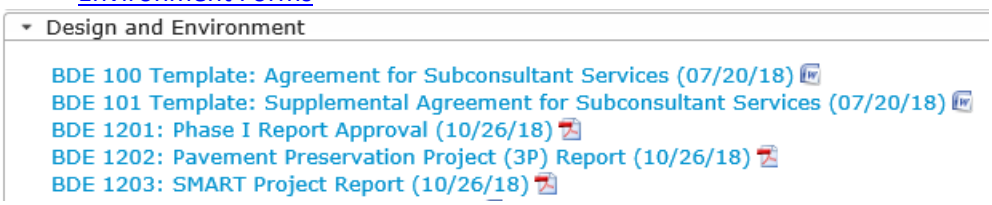
- Prequalification has a description of all prequalification categories, a current listing of all prequalified firms & the EPAS instruction manual for completing the SEFC & SOI.
- Bulletin has the most current PTB displayed and schedule for upcoming PTB's.
- Statement of Interest tab has the required forms for submitting a SOI
- Compliance & Admin contains information for selected firms such as, process to execute an agreement, the necessary forms, administrating a project (invoicing, closing out) and general IDOT policies.
- We encourage firms to select the Stay Connected and subscribe to the Engineering Consultant Subscription Service. The department uses this service to keep firms informed.

The resources page is also very useful: Resources



Select Learn More to view

- The Archives have past Professional Transportation Bulletins and the listing of selected firms
- The Forms contain all IDOT forms. The Consultant Forms are located under "D" and then Design and Environment Forms



Notice
Of
IDOT ELECTRONIC ENGINEERING CONSULTANT SUBSCRIPTION SERVICE
November 10, 2010

To receive updates related to the Prequalification of Consultant Engineering Firms, the Publishing of the Professional Transportation Bulletin, or other information related to Consultant Engineering through the free subscription service; please follow the instructions for subscribing. The information for both these items will be automatically e-mailed to the subscriber upon release.

Located at: Stay Connected

Instructions to Subscribe

Please Note:
By subscribing to the IDOT-PTB list, you will receive both the
Prequalification of Consultant Engineering Firms list as well as the Professional Transportation Bulletin

Prepare an e-mail to the IDOT Subscription Server by using the following e-mail address as noted below:

1. Address the e-mail message to: subscribe-dot-ptb@lists.illinois.gov
2. Send message
3. A confirmation e-mail will be sent to the subscriber asking them to reply or click a link.

Instructions to Unsubscribe

Prepare an e-mail to the IDOT Subscription Server by using the following e-mail address as noted below:

1. Address the e-mail message to: unsubscribe-dot-ptb@lists.illinois.gov
2. Send the message.
3. A confirmation e-mail will be sent to you removing you from the subscription list.

NOTICE

UsDOT 1050.2A, Appendix E will be included in all new agreement contracts, including new supplements.

USDOT 1050.2A
APPENDIX E

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities;

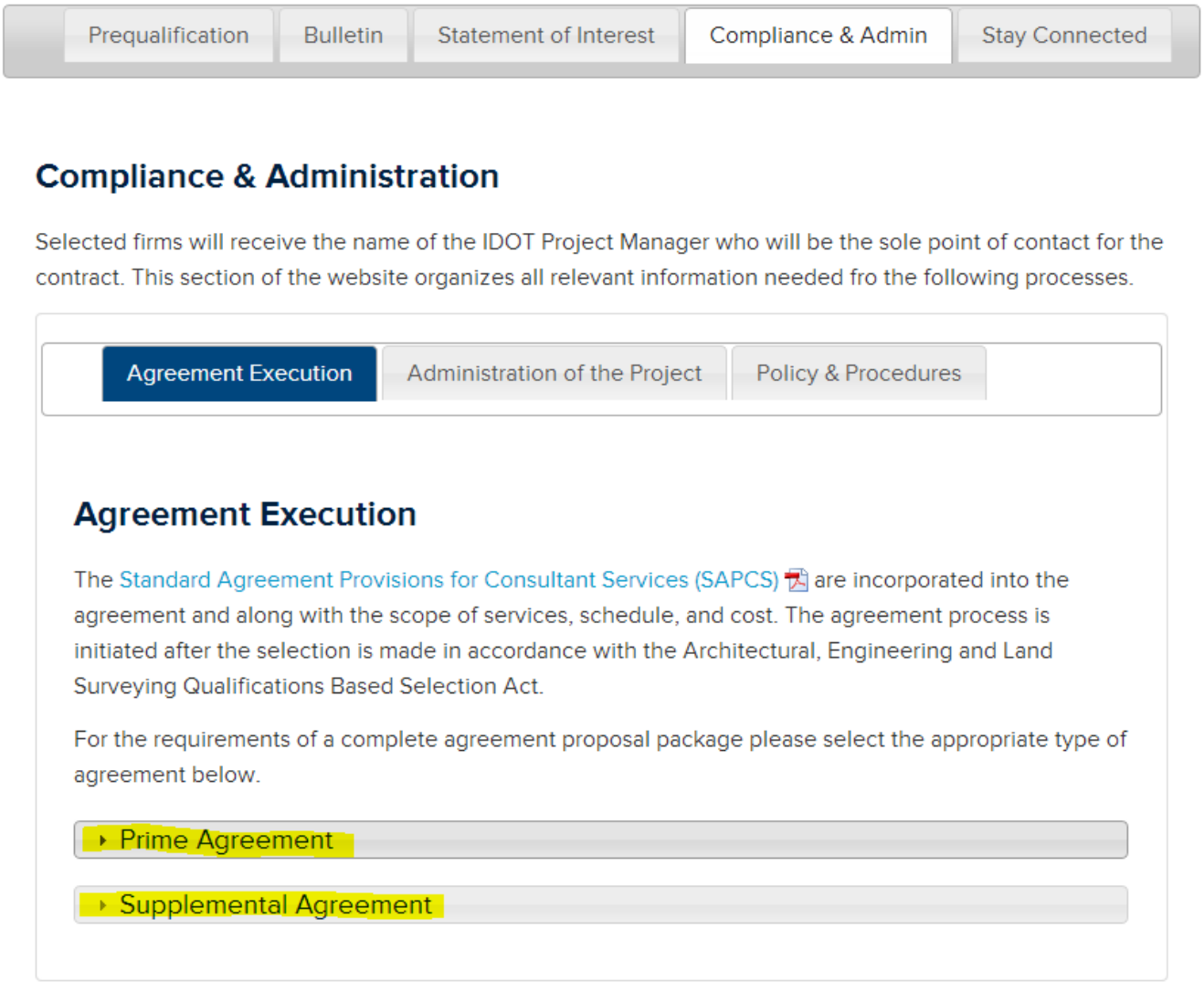
- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.,* 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42U.S.C. §460 I), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.),* (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.),* as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27; The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.),* (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex); The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not); Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.P.R. parts 37 and 38; The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex); Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations; Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

Notice

Reminder for Payroll Rate Submittal

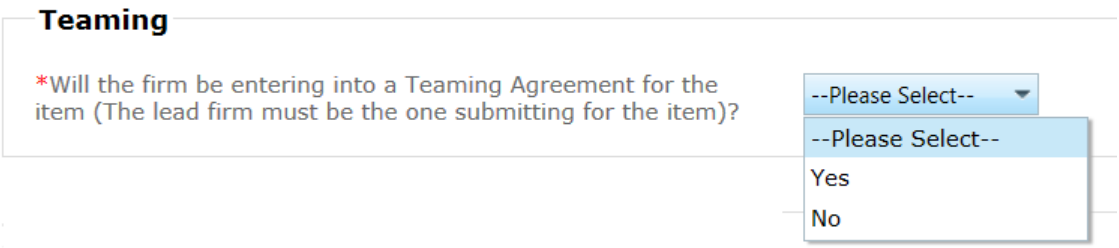
To avoid delays and expedite the agreement process it is critical to use the latest forms. Go to the IDOT website and use the latest form for updating the firms Payroll Rates. **Do Not use existing forms**. Use the latest forms on the website under Resources: Design and Environment

Additional Information for the Cost Estimates and Consultant Services is available on the website, under Compliance & Administration



Notice
for
Teaming for Professional Transportation Bulletin Items
10-1-15

IDOT allows the practice of multiple firms joining efforts (prequalification categories and staff) to submit as a prime on a Professional Transportation Bulletin. The action of joining forces with another consultant to submit on a Professional Transportation Bulletin is called Teaming
If the firm wishes to use the option of Teaming, it is chosen on Exhibit A in EPAS.



When submitting as a team, the collective prequalifications of the team are used to determine eligibility. When a Team is selected, negotiations proceed with the Team. Contracts are executed with the Team at the end of successful negotiations.

Statements submitted by Teams may be considered unless specifically prohibited in the advertisement. The Team Agreement is signed by all parties and must be included with the statement of interest.

The Team entity will have the sum of the individual firms' prequalification, capacity and evaluation history. IDOT **DOES NOT** have a form for Team agreements. The firms submitting as a Team are required to obtain and submit the Team agreement.

If a firm is submitting as part of a Team, then the firm may not submit as a prime alone or as part of another Team on the same item. The required insurance coverage applies to the Team entity. Each individual firm's current obligations (work left), delinquent debt, Iran disclosure, and disclosure forms A&B must be completed by each of the team members. The Team entity will submit one statement of interest with the following specified:

- The firm managing the Team/Project, i.e. the lead firm;
- The Firm invoicing (typically the lead firm);
- The firm responsible for each prequalification category (must be prequalified in the category of work the firm is performing);
- Key personnel names with firm name on Exhibit A.

Teams Statements of Interest are submitted through EPAS. The firm's interested in performing as a Team(s) must coordinate with each other and submit through EPAS. The lead firm submits the Team Agreement and the Team entities must submit the required forms. See the EPAS Instruction manual.

Review the EPAS Instruction Manual for details on submitting Statements of Interest through Teaming

Notice for Mentor-Protege:

Available on the internet:

- Templates for Quarterly and Final Mentor-Protégé Reports.
- Mentor-Protégé Implementation has been revised.
- Assessment Templates for the Mentor and Protégé are also available.

See The [Mentor Protege for Engineering Consultants]

Construction | Engineering

Engineering

The Engineering Mentor-Protégé Program was created in 2009 at the Illinois Department of Transportation. Please select from the following topic below to view more information.

- Learn More
- How to Get Started
- Forms

This section provides necessary forms/templates your firm will need to access/complete throughout the duration of the agreement.

Submitting a Plan

- Plan approval letter template
- Phase I Mentor Protégé Example Template
- Phase II Mentor Protégé Example Template
- Phase III Mentor Protégé Example Template

Compliance

- Mentor-Protégé Compliance Check Sheet

Reporting

- Quarterly Report
- Final Report

Required Assessments

- Mentor Assessment

NOTICE

2-26-13

This requirement is NOT a criteria for Selection.

For PTB 166 and all subsequent PTB's and related supplements:

TRAINING/APPRENTICESHIP PROGRAMS. The CONSULTANT and all CONSULTANT's subcontractors must participate in applicable apprenticeship and training programs approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training for all on-site construction related activities, including material testing and drilling, performed by laborers, workers and mechanics. For purposes of this Agreement, engineers, architects and land surveyors are considered "professional services" as defined in Section 30-15 of the Procurement Code and are not considered laborers, workers or mechanics. With respect to material testing and drilling, these requirements do not apply where the work is performed in a county without a prevailing wage classification for material testing as provided by the Illinois Prevailing Wage Act, 820 ILCS 130/1 et seq.

For the listing of prevailing wage classifications within a county, go to The Illinois Department of Labor.

Notice
For

Department Manuals, Memorandums, & Rules

The following is available on our website under the Resources Link

Aeronautics Part 14 Aviation Safety Rules
Aeronautics Part 16 Airport Hazard Zoning Rules
All Bridge Designer Memoranda
Bureau of Bridges and Structures Documents, Manuals and Procedures
Bureau of Construction Current Construction Memorandums Bureau of Design and Environment Manuals & Memorandums Bureau of Land Acquisition Policies and Procedures Manual Updates
Coded Pay Items
CREATE Manuals
Land Acquisition Manual
Bureau of Local Roads Circular Letters
Bureau of Local Roads Manual
Bureau of Safety Engineering Programs, Policies & Manuals
Construction Manual
Geotechnical Documents Manuals and Procedures
Government Electronic Records Act
IDOT Drainage Manual
Illinois Highway Info System Roadway Info & Procedure Manual
Illinois Highway Info System Structure Info & Procedure Manual
Illinois Highway Info System Railroad Info & Procedure Manual
Illinois Traffic Monitoring Program
Manual on Uniform Traffic Control Devices Oversize/Overweight Permit Policy Manual Project Procedures Guide
Quality Standard for Work Zone Traffic Control Devices

To order go to Manual Sales

NOTICE
DBE FIRMS AND PROJECT GOALS

The firms noted as DBE on the List of Pre-qualified Consultants on IDOT's website are firms certified as a DBE in specified areas. List of **Prequalified Firms**.

It is the responsibility of all prime consultant firm to go to the **Illinois Unified Certification Program** web site to verify the subconsultant is certified as a DBE in the area of work the sub will be performing on a specific project. Only the established pre-qualified areas of work the DBE firm is prequalified and certified in as a DBE will be considered toward the project's DBE goal.

Each list of tasks specified on a DBE's Cost Estimate Consultant Services (CECS) is verified for DBE certification.

If you have any questions on DBE certification, please contact the Office of Business and Workforce Diversity. (217) 782-5490

“Special Notice Regarding Disadvantaged Business Enterprises”

The Illinois Department of Transportation (IDOT) has designated various projects advertised in the Professional Transportation Bulletin as requiring participation by Disadvantaged Business Enterprises (DBEs). As a condition for any firm to be considered for a project requiring DBE participation, it must subcontract a minimum of the designated percent to a DBE. Each firm’s letter must include a statement that it intends to subcontract the designated percent to a DBE. The Exhibit A in the Statement of Interest must include the DBE Consultant and the category of work they are going to perform.

To be considered as a prime consultant or subconsultant, a DBE must be prequalified with IDOT’s Division of Highways’ Bureau of Design and Environment (BDE). IDOT’s Bureau of Small Business Enterprises (SBE) maintains a Disadvantaged Business Enterprises Directory of certified DBEs for the purpose of providing a reference source to assist firms. You can view/print and download the most current listing of DBE firms at IDOT’s web site http://www.idot.illinois.gov under “Doing Business” “Small Business Enterprises” “Disadvantaged Business Enterprises (DBE) Program/IL UCP DBE Directory.” DBE firms who are prequalified by BDE and are interested in performing consultant work are listed under the UCP Directory by Category, Architecture/ Engineering Sorted by firm. Any firm desiring to subcontract work to firms that are not certified DBEs should encourage them to become certified by contacting SBE’s Certification Section at (217) 782-5490.

Failure to assign at least the designated percent to one or more DBEs or to demonstrate that a good faith effort was made to assign the designated percent shall result in one of the following:

1. Notification to the prime consultant that the Agreement will not be signed until the percentage of DBE participation is met.

2. The Agreement will be signed with the understanding that payments to the prime consultant will be reduced by an amount determined by multiplying the total Agreement fee by the designated percent and subtracting the dollar value of DBE subcontracts.

3. Contract negotiations will be terminated.

Upon completion of the contract, should it be determined the prime consultant failed to assign the designated percent to an eligible DBE or demonstrated that a good faith effort was made to assign the designated percent as agreed upon, payment to the prime consultant will be reduced by the amount set forth in number 2 above.

A complaint regarding any decision rendered by or action by any Division or Office of IDOT pursuant to these requirements may be filed with the Secretary of IDOT.

Notice
Of Requirement For
Illinois Department of Human Rights (IDHR)
Public Contract Number

Following selection, all proposal packages submitted to the Illinois Department of Transportation (IDOT) must contain the firm's IDHR number and the expiration date. The Department is required by law to require this number from all parties contracting with the State of Illinois. If your firm currently does not have an IDHR number the application form may be obtained from the IDHR web site link: **IDHR**. Information may also be obtained by contacting: DHR, Public Contracts Section Public Contracts Division100 W. Randolph, Suite 10-100Chicago, IL 60601or by calling: 312-814-2432 (TDD 312-263-1579)

NOTE: An IDHR public contract number is not required if the firm employs fewer than 15 employees.

Please be aware that, as of January 1, 2010, per Public Act 096-1786, all those filing for, *or renewing,* an IDHR number, will be charged a $75.00 registration fee. Such registration will be valid for 5 years from the date of issuance.

Overtime Billing for Engineering Consultant Contracts

The engineering consultant firm may bill overtime in accordance with Section 2.86 of the Standard Agreement Provisions and the following. When the employee in the same pay period, has worked on more than one project, the amount premium wages charged to a project must be in direct proportion to the total number of hours the employee worked in that pay period. (i.e. total hours worked in pay period = 50 hours (10 of which are premium hours), 25 total hours for the pay period on the project, 5 hours of overtime may be charged to the project.)

Notice
Documentation of Contract Quantities Class

Since July 2008, the "Documentation of Contract Quantities" class and re-tests have been administered by the University Of Illinois - Illinois Center for Transportation, and is currently coordinated by Greg Renshaw, PE. The Illinois Center for Transportation (ICT) http://ict.illinois.edu/ is an innovative partnership between IDOT and the University of Illinois at Urbana-Champaign (UIUC). All transactions and correspondence will now be through ICT and no longer with the Illinois Department of Transportation (IDOT) Central Bureau of Construction. Fees are now being charged for all classes and retests and will be required at the time of registration.

Greg Renshaw, PE can be contacted at grenshaw@illinois.edu, phone (217)300-6375. Course and retest dates typically take place from November through April.

For consultant and local agency enrollment, as well as answers to frequently asked questions (FAQ), the "Documentation of Contract Quantities" is located at the U of I training website http://ict.illinois.edu/outreach/documentation-training/

Typically, in late September/early October the class schedule for the next fall/winter/spring's Documentation of Contract Quantities classes is posted. Also, firms can sign up for an automatic email reminder via ICT's website (see "Join Notification List") whenever new information is
posted on their website.

NOTICE OF TRAINING OPPORTUNITY
Updated 9-23-14

LAKELAND COLLEGE TRAINING COURSES

Lakeland College will be conducting QC/QA Training again this year. Please visit the web-site for further information. Information or schedules can also be obtained by contacting Marlene Browning.

Kathy Willenborg
Lake Land College
5001 Lake Land Blvd.
Mattoon, IL 61938-9336
Phone: (217) 234-5285
Fax: (217) 234-5381 E-Mail: idotqcqa@lakeland.cc.il.us

Internet Homepage: **http://www.lakeland.cc.il.us/as/idt/index.cfm**

NATIONAL HIGHWAY INSTITUTE (NHI) COURSES

The National Highway Institute (NHI) Course listing as well as other pertinent information is available at the following address:

https://www.nhi.fhwa.dot.gov/default.aspx

NATIONAL TRANSIT INSTITUTE (NTI) COURSES

The National Transit Institute (NTI) Course listing as well as other pertinent information is available at the following address:

http://www.ntionline.com

ILLINOIS CENTER FOR TRANSPORTATION

University of Illinois at Urbana-Champaign Erosion Control Research and Training Center (ECRTC).

Please visit the web-site for further information on course schedule and registration information: **http://ict.illinois.edu/outreach/erosion-control-workshop/**

For questions about registration and cancellations contact:

Trachia Wilson

Email: tstolz@illinois.edu

Phone: 217-300-3197.