

# TABLE OF CONTENTS

## PTB 164

<u>Item #</u>	<u>County</u>	<u>Description</u>
<b><u>Region 1/District 1</u></b>		
1.	Lake	Construction Inspection Project, I-94 from Wisconsin State line to IL 173.
2.	Will	Construction Inspection Project at I-57 and Stunkel Road.
3.	Various	Project Manager for Various Phase I, II and III.
4.	Lake	Phase II project for US 45(Millburn Bypass) for Country Place to North of Independence Boulevard.
5.	Kane	Construction Inspection for IL 25 from Dunham Road to Stearns Road.
6.	Cook	Phase II Project for US 45 from 131 <sup>st</sup> Street to 179 <sup>th</sup> Street.
7.	Will	Construction inspection for the improvement of Various Moveable Bridges in the Joliet area.
8.	Cook	Phase II Project for 55 <sup>th</sup> Street form West of US 12/20/45(LaGrange Avenue) to East Avenue.
9.	Various	Surveying for Various Projects throughout the District.
10.	Various	Phase II Various Traffic Signal Projects throughout the District.
<b><u>Region 2/District 2</u></b>		
11.	Various	Phase I and/or II Various Projects throughout the District.
12.	Various	Phase II Various Projects for Bridge Rehabilitation Projects.
<b><u>Region 2/District 3</u></b>		
13.	Kendall	Construction Inspection for IL 71 from Orchard Road to US 34 in Oswego.
<b><u>Region 3/District 4</u></b>		
14.	Tazewell	Construction Inspection for Contract 68620, I-74 & I-55 interchange near Morton.
<b><u>Region 4/District 6</u></b>		
15.	Various	Various Survey Projects throughout the District
16.	Various	Various Survey Projects throughout the District

## **TABLE OF CONTENTS** **PTB 164**

### **Bureau Design & Environment**

- |     |         |   |
|-----|---------|---|
| 17. | Various | Various Lighting Design Projects Statewide.                               |
| 18. | Lake    | Phase II for the Grand Illinois Trail Moraine Hills McHenry/Lake Segment. |

### **Bureau of Bridges and Structures (BBS)**

- |     |         |   |
|-----|---------|---|
| 19. | Various | Structural Steel Shop Fabrication Inspection Projects |
| 20. | Various | Various Statewide Structural Engineering Services     |

### **Bureau of High Speed & Passenger Rail**

- |     |         |   |
|-----|---------|---|
| 21. | Various | Program Manager for Various Passenger related service and capital improvements. |
|-----|---------|---|

### **Department of Natural Resources**

- |     |      |  |
|-----|------|--|
| 22. | Knox | Farmington Embankments, Reclamation Design, Engineering, & Inspection, AML-GKnP-1146 |
|-----|------|--|

1. **Job No. C-91-391-12, I-94 from Wisconsin State Line to IL 173, Phase III Project, Lake County, Region One/District One.**

**This project requires 25% DBE participation.**

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 **August 01, 2012 at 10:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase III engineering services are required to provide construction inspection for the improvement of I-94 from the Wisconsin State Line to IL 173. Work includes, but is not limited to, pavement reconstruction from south of the State line to just south of Rosecrans Road (IL 173) and bridge replacement of IL 173 over I-94. The improvement is located in the Villages of Wadsworth and Old Mill Creek. Other work includes widening of I-94 and reconstruction of I-94 and reconstruction of Rosecrans Road (IL 173) and IL 173 ramps, and includes full bridge reconstruction of the IL 173 structure spanning I-94. This reconstruction will include the removal of existing pavement, shoulder, substructure and superstructure; fabricating and erecting new substructure and superstructure elements over I-94 for the structure spanning I-173; placing PCC pavement and HMA shoulders; storm sewer removal/installation to facilitate drainage requirements; construction and subsequent removal of temporary pavement to maintain traffic during staged construction; earthwork, installation of roadway lighting along throughout the project limits including IL 173 and Russell Road and all incidental and collateral work necessary to complete the project as shown in the plans and described herein.

The following Structures are expected to be included:

- S.N. 049-0058[Existing IL 173 over I-94]
- S.N. 046-0535[Proposed IL 173 over I-94]

The department will furnish the Consultant with Plans and Specifications.

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 from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as 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 requirements in accordance with the departmental policies for this project.

The Consultant will also provide the tools of the trade. These tools will include an office computer system capable of running ICORS software. 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.

The anticipated construction completion date for this project is October 31, 2013 plus 10 working days. 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:

- The Liaison Engineer (An Illinois Licensed Professional Engineer is desired).
- 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 IDOT class S-14, Documentation of Contract Quantities**)
- The Materials Coordinator (RE Materials Training class is preferred)
- The Materials QA Technician. (The person shall have a Level II HMA and PCC training and IDOT class S-33, Soil Testing)
- Materials Laboratory (prequalified in QA HMA & Aggregated and QA PCC & Aggregate)
- The Survey Chief.

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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

2. **Job No. C-91-393-12, I-57 at Stunkel Road, Phase III Project, Will County, Region One/District One.**

**This project requires 25% DBE participation.**

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 **August 01, 2012 at 11:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase III engineering services are required to provide construction inspection for the improvement of I-57 at Stunkel Road. The work under this contract includes, but is not limited to, the replacement of the existing grade separation structure at Stunkel Road over I-57 with a new, longer, structure, which will carry an improved Stunkel Road over I-57, construction of a new interchange and all incidental and collateral work necessary to complete the improvement.

The following Structures are expected to be included:

- S.N. 099-0200[Existing Stunkel Road Bridge over I-57]
- S.N. 099-0526[Proposed Stunkel Road Bridge over I-57]

The department will furnish the Consultant with Plans and Specifications.

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 from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as 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 requirements in accordance with the departmental policies for this project.

The Consultant will also provide the tools of the trade. These tools will include an office computer system capable of running ICORS software. 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.

The anticipated construction completion date for this project is September 01, 2013 plus 5 working days. 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:

- The Liaison Engineer (An Illinois Licensed Professional Engineer is desired).

- 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 IDOT class S-14, Documentation of Contract Quantities**)
- The Materials Coordinator (RE Materials Training class is preferred)
- The Materials QA Technician. (The person shall have a Level II HMA and PCC training and IDOT class S-33, Soil Testing)
- Materials Laboratory (prequalified in QA HMA & Aggregate and QA PCC & Aggregate)
- The Survey Chief.

The prime firm must be prequalified in the **Special Services (Construction Inspection)** categories 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

3. **Job No. D-91-412-12, Project Management (PM) for Phase I, II and/or III Projects, Various Routes, Various Counties, Region One, District One.**

**This project requires 10% DBE participation.**

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 **July 27, 2012 at 9:00 A.M.** at the Region One, District One office in **Schaumburg**.

A Project Manager (PM) Consultant is required for Phase I, II and/or III engineering services. The PM will support IDOT staff in managing local agency projects. This work involves working directly with the local agency and their consulting firms as well as other bureaus in the department. Work Orders under a blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Joint ventures will not be allowed on this project.

The PM will be expected to perform work similar to an IDOT Local Roads Project Engineer & staff. Key staff from the PM will usually be required to perform the work in the District offices. This work may include engineering, technical support, engineering management, project control, administrative services and field assignments necessary in bringing completion to projects expeditiously.

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 work anticipated for the local roads projects may include:

- Manage and/or coordinate Local Agency preliminary engineering projects assigned, including Phase I reviews in accordance with IDOT and Federal standards and contract administration.
- Manage and/or coordinate environmental work effort as related to assigned projects.
- Hold regular progress meetings and briefings for IDOT including FHWA where details of project and progress are presented
- Work anticipated to manage Phase II projects:
  - Schedule and hold progress meetings as required to meet target letting dates
  - Coordinate submittals with other bureaus and agencies
  - Review documents in accordance with IDOT and Federal standards
  - Perform all necessary procurement roles as required
  - Manage and track project-level cost, schedule and budget requirements
  - Coordination with program-level and assigned project-level controls personnel
- Work anticipated for Project Control and Administration
  - Preparation and review documents for federal, state and MFT reimbursements
  - Maintenance of various status reports for administrative coordination with other bureaus or local agencies.
  - Updated records of Project Control Numbers and provide them as needed
  - Prepare, review and record joint agreements and engineering agreements

- Process invoice reimbursements and maintain related records.
- Assist others in preparing executive reports
- Any other work as may be required to complete local roads projects

The completion date for this contract will be 36 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 aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person(s) who will perform the duties of Project Engineer, those individuals in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer a minimum of five years highway design experience is desired).
- Staff assigned to manage the NBIS bridge inspection database (a minimum of five years experience in bridge inspection and reporting is desired).
- Staff assigned to perform QC/QA duties; materials coordination, and utility coordination (a minimum of five years experience in highway construction is desired)

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

**Highways (Roads and Streets)**  
**Structures (Highway: Typical)**  
**Location/Design Studies (Reconstruction/Major Rehabilitation)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

4. **Job No. D-91-424-12, US 45 (Millburn Bypass) from Country Place to north of Independence Boulevard, Phase II Project, Lake County, Region One, District One.**

This project contains Federal Funds.

This project requires **25% DBE** participation.

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 **July 25, 2012 at 10:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for the preparation of contract plans, specifications and cost estimates for the improvement of US 45 Millburn Bypass (Preferred Alternate A4) as supported by the Lake County Board and the department to be finalized after the Public Hearing. US 45 will be realigned from Country Place to north of Independence Boulevard for a distance of approximately 1.5 miles. Two through lanes in each direction separated by a 22 foot and variable median is expected to be provided. Preferred Alternate A4 includes re-alignment of Grass Lake Road to the south to meet the intersection of Millburn Road at existing US 45. The Grass Lake Road re-alignment creates a new signalized intersection with the US 45 Bypass. Two separate single span structures as well as retaining wall plans are expected to be required.

The department will furnish the Consultant with available microfilm plans, project report, location drainage study, hydraulics reports, pavement design, and other available applicable items.

The estimated construction cost for this project is \$15,100,000. The Consultant's work includes preparation of contract plans, specifications, cost estimates, and all other work required to complete the improvement. 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 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:

**Highway (Roads & Streets)  
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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

5. **Job No. C-91-406-12, IL 25 from Dunham Road to Stearns Road, Phase III Project, Kane County, Region One/District One.**

This project contains Federal Funds.

**This project requires 25% DBE participation.**

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 **August 01, 2012 at 10:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase III engineering services are required to provide construction inspection for the improvement of IL 25 from Dunham Road to Stearns Road. This improvement begins at a point on the alignment of IL 25 at the north approach of the IL 25 structure over Brewster Creek and extends in a northeasterly direction towards Dunham Road for approximately a mile along IL 25/Stearns Road. The improvement also includes the intersections of Stearns Road and IL 25 for approximately 600 feet along Stearns Road and the Gilbert Street at IL 25/Stearns Road for about 900 feet along Gilbert Street. This improvement is located in Kane County within St. Charles Township. Work includes but is not limited to, roadway widening and reconstruction to accommodate a four-lane divided arterial with a 30-foot grass median. Major intersections will be improved by adding turn lanes and include proposed traffic signal modernization and interconnection. The proposed pavement is jointed PCC with a thickness of 10" on IL 25/Stearns Road with curb and gutter. Gilbert Street and the south 500 feet of IL 25 will consist of full-depth HMA. This project also includes the replacement of the existing Union Pacific Railroad (UPRR) over IL 25/Stearns Road structure, the construction of a proposed IL 25/Stearns Road structure over the East Branch of Brewster Creek, the construction of a temporary shoo-fly structure for the UPRR over IL 25/Stearns Road and a retaining wall in the northeast quadrant of the intersection of IL 25/Stearns Road/Gilbert Street intersection. Coordination with the Chicago Central and Pacific Railroad (CCPRR) to complete the proposed at-grade crossing is included. This project also includes drainage improvements consisting of open ditches and a closed drainage system, landscaping, and all incidental and collateral work necessary to complete the project as shown on the plans and as described herein.

The following Structures may be included:

- S.N. 045-3168 [UPRR over IL 25/Stearns Road]
- S.N. 045-2033 [IL 25/Stearns Road over East Branch Brewster Creek]

The department will furnish the Consultant with Plans and Specifications.

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 from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as 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 requirements in accordance with the departmental policies for this project.

The Consultant will also provide the tools of the trade. These tools will include an office computer system capable of running ICORS software. 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.

The anticipated construction completion date for this project is September 30, 2014. 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:

- The Liaison Engineer (An Illinois Licensed Professional Engineer is desired).
- 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 IDOT class S-14, Documentation of Contract Quantities**)
- The Materials Coordinator (RE Materials Training class is preferred)
- The Materials QA Technician. (The person shall have a Level II HMA and PCC training and IDOT class S-33, Soil Testing)
- Materials Laboratory (prequalified in QA HMA & Aggregate and QA PCC & Aggregate)
- The Survey Chief.

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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

6. **Job No. D-91-436-12, FAP 330 (US 45) from 131<sup>st</sup> Street to 179<sup>th</sup> Street, Phase II Project, Cook County, Region One, District One.**

**This project requires 15% DBE participation.**

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 **July 26 2012 at 9:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for the engineering required for completion of multiple contract plans specifications & estimates including structure plans and roadway plans for the improvement of US 45 from 131st Street to 179th Street. The documents have been partially completed. The project's scope of work includes widening and reconstruction of the existing roadway, which provides two through lanes in each direction with mountable median to provide three through lanes in each direction separated by a landscaped barrier median. Work is expected to include intersection improvements additional auxiliary lanes, an improved closed drainage system, traffic signal modernizations/new installation, upgraded roadway lighting, plus new and replacement sidewalk, construction of multi-use path, and all other work required to complete the project.

The department will furnish the Consultant with project report, hydraulic report, location drainage study, pavement design, partially completed contract documents, available microfilm plans, any available data, and existing developed contract plans.

The estimated construction cost for this project is \$61,400,000. The Consultant's work includes preparation of roadway plans, surveys, and geotechnical engineering services. The completion date for this contract will be six (6) 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 QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work with adequate plan review experience).
- The person who will perform the work in the area of geotechnical analysis and the preparation of the Roadway Geotechnical Report (RGR) (must be an Illinois Licensed Professional Engineer). Geotechnical Services (General Geotechnical Services) prequalification categories requirement maybe completed by Sub and/or Prime.

- The person who will be in-charge of surveys (must be an Illinois Licensed Professional Land Surveyor). Survey prequalification category requirement may be completed by Sub and/or Prime.
- The person who will be in charge of traffic signals (must be an Illinois Licensed Professional Engineer). Traffic Signal 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)  
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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

7. **Job No. C-91-408-12, Movable Bridge Projects in Joliet Area, Phase III Project, Will County, Region One/District One.**

**This project requires 20% DBE participation.**

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 **August 01, 2012 at 9:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase III engineering services are required to provide construction inspection for the improvement of Movable Bridges in the Joliet Area. Work includes, but is not limited to, automation and communications work for the six movable IDOT bridges in the City of Joliet to add the capability to remotely operate them from the IDOT bridge office / maintenance building located near the Jackson Street Bridge. Work at each of the six movable bridges includes the replacement of the existing control system with a new PLC/SCADA based system, replacement of existing bridge main drives with flux-vector type drives, the addition of CCTV cameras and equipment, and the addition of security upgrades to each bridge's operator's house. New CCTV cameras and equipment will also be installed on the I-80 Bridge, and a new dedicated fiber optic communications network will be installed to transfer data from the CCTV cameras and bridge control systems back to the IDOT bridge office building. This will require lengthy fiber optic cable runs along IDOT Right of Way. Work at the IDOT bridge office building includes building renovations to provide access and accommodations for bridge operators, installation of a new automatic transfer switch and backup generator for building power, and new PLC/SCADA and CCTV equipment for remote control operations, and all incidental and collateral work necessary to complete the project as shown in the plans and described herein.

The following Structures are expected to be included:

- S.N. 099-0239 [Jackson Street over Des Plaines River]
- S.N. 099-0101 [Cass Street over Des Plaines River]
- S.N. 099-0166 [Jefferson Street over Des Plaines River]
- S.N. 099-9901 [Ruby Street over Des Plaines River]
- S.N. 099-9903 [Brandon Road over Des Plaines River]
- S.N. 099-9904 [McDonough Street/US 6/US 52 over Des Plaines River]

The department will furnish the Consultant with Plans and Specifications.

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 from the same plant are prohibited. At the negotiation meeting, the prime Consultant and the subconsultant(s) will disclose all previous involvement in the district as well as 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 an Assistant Engineer and an adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the departmental policies for this project.

The Consultant will also provide the tools of the trade. These tools will include an office computer system capable of running ICORS software. 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.

The anticipated construction completion date for this project is June 30, 2015. 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:

- The Assistant Engineer. (The Engineer shall be experienced with movable bridges and bridge automation systems, programmable logic controllers, electric motors, CCTV and fiber optic systems. The Assistant Engineer shall preferably be an Illinois licensed Electrical 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 IDOT class S-14, Documentation of Contract Quantities**)

Statement of Interest must also include the Consultant's relevant bridge projects completed by the firm using the Consultant's key personnel staff as listed above.

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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

8. **Job No. D-91-126-12, FAU 1504 (55<sup>th</sup> Street) from West of US 12/20/45 (Lagrange Road) to East Avenue, Phase II, Cook County, Region One, District One.**

**This project requires 25% DBE participation.**

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 **July 26 2012 at 1:00 P.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for improvements to 55th Street from West of US 12/20/45 (Lagrange Road) to East Avenue. The Consultant's work is expected to consist of preparing plans, specifications, and cost estimates for the reconstruction of the roadway for the 55<sup>th</sup> Street and US 12/20/45 intersection in Cook County. The improvement is expected to consist of traffic signal modernization with emergency vehicle signal pre-emption equipment, enclosed drainage, and other incidental work required to complete the project.

The department will furnish the Consultant with project report, hydraulic report, location drainage study, pavement design, available microfilm plans, and any available data.

The estimated construction cost for this project is \$5,260,000. The Consultant's work includes preparation of roadway plans, surveys, and geotechnical engineering services. 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 QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work with adequate plan review experience).
- The person who will perform the work in the area of geotechnical analysis and the preparation of the Roadway Geotechnical Report (RGR) (must be an Illinois Licensed Professional Engineer). Geotechnical Services (General Geotechnical Services) prequalification categories requirement maybe completed by Sub and/or Prime.
- 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 person who will be in charge of traffic signals (must be an Illinois Licensed Professional Engineer). Traffic Signal prequalification category requirement may be completed by Sub and/or Prime.

The prime firm must be prequalified in the **Highways (Roads and Streets)** 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

9. **Job No. P-91-426-12, Various Survey Projects, Various Routes, Various Counties, Region One / District One**

**This project requires 15% DBE participation.**

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 **July 23, 2012 at 9:00 A.M.** at the Region One / District One Office in **Schaumburg**.

Phase I engineering services are required for field surveys of various roadway projects throughout the district. Work orders under the blanket agreement will be negotiated and authorized by the department on as-needed basis.

The Consultant's work includes, but is not limited to, route surveys, topographic surveys, cross sections, profiles, existing and proposed centerline alignments, drainage inverts, right of way monuments, plotting of said field information, mapping projects, and any other tasks deemed necessary by the District One Survey Unit. All survey information submitted must be acceptable for design purposes and be formatted per IDOT specifications. All data collected must comply with IDOT CADD standards and use standard IDOT survey point codes.

The completion date for this contract is 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 (must be an Illinois Licensed Professional Land Surveyor).
- The person who will perform the QC/QA 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

10. **Job No. D-91-434-12, Phase II Various Traffic Signal Projects, Various Routes, Various Counties, Region One/District One.**

**This project requires 15% DBE participation.**

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 **July 25, 2012 at 9:00 A.M.** at the Region One/District One Office in **Schaumburg**.

Phase II engineering services are required for multiple stages of traffic signal design and operation but not limited to work associated with the complete preparation of plans, special provisions, estimates for traffic signal projects, catalog cut review, and developing special design and operation reports for locations throughout the district. 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.

The proposed projects consist of installation of new traffic signals, modifications and modernization of existing traffic signal systems, including temporary signal and system interconnect design. Project work includes site inspections, field measurements, performing all design and operation functions and calculations, including time space diagrams where traffic signals will be interconnected. Traffic signal design and operation projects shall conform to current issues of the following: State Standard Specifications, MUTCD for streets and highways, ITE guidelines and all applicable NEC, NEMA, AASHTO, FHWA and District One Standards and Guidelines.

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

The estimated construction cost for these projects may range from \$50,000 to \$1,000,000. 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 duties of Traffic Signal Engineer, that individual who is directly involved in traffic signal design, modification, modernization and operation. 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).

Statement of Interest must also include the Consultant's relevant traffic signal projects completed by the firm including traffic signal projects with interconnect to railroad warning devices for IDOT Region One/District One within the past four years by members of the consultant's current key personnel staff as listed above. The Statements of Interest shall list all applicable projects.

The prime firm must be prequalified in the **Special Plans (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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

11. Job No. P-92-075-12, Various Phase I/II Projects, Various Routes, Various Counties, Region Two/District Two.

**This project requires 15% DBE participation.**

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 **July 17, 2012 at 10:00 A.M.** at the Region Two/District Two Office in **Dixon**.

Phase I and/or II engineering 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, 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 work required may consist of only a portion of the total engineering 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 estimated construction cost for this project is \$200,000 to \$4,000,000. It is anticipated that this contract will include approximately 3 to 15 different projects. This completion date for this contract will be 24 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional 24 months.

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 who will be in charge of surveys (must be an Illinois Licensed Professional Surveyor). Surveying prequalification category requirement may be completed by Sub and/or Prime.
- 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)**  
**Structures (Highway: Typical)**  
**Special Studies (Location Drainage)**  
**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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

12. **Job No. D-92-076-12, Various Phase II Engineering Services for Bridge Rehabilitation Projects, Various Counties, Region Two/District Two.**

**This project requires 15% DBE participation.**

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 **July 18, 2012, at 10:00 A.M.** at the Region Two, District Two Office in **Dixon**.

Phase II engineering services are required for the preparation of various bridge rehabilitation contract plans, special provisions and estimates to be inserted into the departments set of final contract plans.

This project may consist of removal and replacement of the existing wearing surface, minor substructure repairs, traffic control plans, and the repair and/or replacement of the following items expansion joint, bearings, substructure, approach pavement, and installation of scour countermeasures.

The department will furnish the Consultant with any available as-built/existing plans; microfilm plans; aerial surveys; bridge condition reports, traffic data, soil boring data, and any other available information.

The Consultant may also be required to perform NBIS and Element Level Inspections, provide the appropriate bridge inspection equipment to complete NBIS Inspections. The Consultant may also be required to provide appropriate traffic control.

The estimated construction cost for this project is \$200,000 to \$700,000. 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 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 be in charge of surveys (must be an Illinois Licensed Professional Surveyor). Surveying prequalification category requirement may be completed by Sub and/or Prime.
- Person who will perform the work in the area of NBIS and Element Level inspections 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 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:

**Structures (Highway: Typical)**  
**Highways (Roads & Streets)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

13. **Job No. C-93-083-12, IL 71, from Orchard Road to US 34 in Oswego, Phase III Project, Kendall County, Region Two/District Three**

**This project requires 20% DBE participation.**

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 **July 20, 2012 at 1:00 P.M.** at the Region Two, District Three Office in **Ottawa**.

Phase III engineering services are required to provide construction inspection for the reconstruction of IL 71 from Orchard Road to US 34 in Oswego. Work includes but is not limited to construction inspection of storm sewer, curb and gutter, sidewalks, additional lanes and pavement reconstruction to provide two traffic lanes in each direction.

The Consultant will perform on-site inspection, provide construction staking/layout when not provided for in the contract plans, verify construction staking/layout, provide on-site geotechnical and material inspection, prepare records, maintain documentation, and any other duties that would require the services of an engineer to complete this project in a timely basis and in accordance with State specifications.

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 Consultant, and subconsultant(s) will disclose all current relationships with contractors.

The Consultant's work includes but is not limited to providing staff, vehicles, and appropriate testing and survey equipment necessary to complete this project. The Consultant will furnish an assistant Resident Engineer and an adequate staff to perform the duties required to fulfill the engineering requirements in accordance with the department policies for this project.

The department will furnish the Consultant with Plans and Specifications.

The anticipated construction completion date is July 31, 2015. The Consultant must complete and submit final measurements, calculations, and final contract record documents to the department no later than six (6) weeks after completion of this project.

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

- The Assistant Resident Engineer (minimum 10 years experience as a Resident Engineer is desired). 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 Inspectors. (1 to 4 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 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

**14. Job No. C-94-083-12, Construction Inspection Contract 68620, I-74 & I-155 interchange near Morton, Tazewell County Region Three/District Four**

This project contains Federal Funds.

**This project requires 25% DBE participation.**

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 **July 24, 2012 at 10:30 A.M.** at the District Office in **Peoria**.

Phase III engineering services are required for the construction inspection of Contract 68620, consisting of the reconstruction of the I-74 & I-155 interchange near Morton. The project extends along I-74 from the east edge of I-474 to Morton Avenue and from I-74 to Birchwood Avenue along I-155. The project consists of the removal and replacement of all pavement as well as ramp realignment at the interchange and all other necessary work to complete the project.

The project is anticipated to include the removal and replacement of the following structures:

- S.N. 090-0012 (WB I-74 over I-155)
- S.N. 090-0013 ( EB I-74 over I-155)
- S.N. 090-0016 ( Jefferson Street tunnels )
- S.N. 090-0017 (WB I-74 over Jackson St. , U.S. 150 )
- S.N. 090-0018 (EB I-74 over Jackson St. , U.S. 150 )
- As well as multiple Mechanically Stabilized Earth Retaining Walls

Phase III engineering services are required for the inspection, supervision, materials testing (including, but not limited to, PCC, HMA and embankment testing), materials certification and all documentation for this project. The Consultant staff will report to a District Resident Engineer/Technician on this project. The Consultant will be required to perform on-site inspection, verification of contractor staking, maintain documentation, and any other duties that would be required by the Resident Engineer/Technician to complete these projects on a timely basis and in accordance with the State Specifications and Guidelines.

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

The Consultant will also provide their own vehicles, cell phones, computers, tools of the trade and any other equipment deemed necessary to perform the work. Overnight lodging may be required.

The completion date for the contract will be 60 months after authorization to proceed. The construction project is scheduled for a November 9, 2012 letting and a fall 2015 completion date.

Key personnel listed on **Exhibit A** of the Statement of Interest for this project must include:

- The Liaison Engineer (with current IDOT Construction Documentation certificate)
- The Construction Inspector(s) (with current IDOT Construction Documentation certificate)

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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

15. **Job No. D96-066-12, Various Survey Projects, Various Routes, Various Counties, Region Four/District 6**

**This project required 10% DBE participation.**

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 **July 20, 2012 at 1:00 P.M.** in the Region Four/District 6 Office in **Springfield**.

Engineering services are required for miscellaneous surveys throughout District 6. It is anticipated this contract will include approximately eight (8) such surveys during Fiscal Year 2013. 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 as-built construction plans, direction as to how the surveys will be completed, and any other available data.

The Consultant's work may include, but is not limited to, route surveys, bridge and hydraulic surveys, right-of-way staking, soil boring stake outs and land surveys.

The completion date for this contract will be January 1, 2014.

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 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 Land Surveyor with adequate experience).

Firms 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

16. **Job No. R-96-006-12, Various Survey Projects, Various Routes, Various Counties, Region Four/District 6**

This project required 10% DBE participation.

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 **July 20, 2012 at 10:00 A.M.** in the Region Four/District 6 Office in **Springfield**.

Engineering services are required for miscellaneous surveys throughout the 6. It is anticipated this contract will include approximately eight (8) such surveys during Fiscal Year 2013. 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 available data.

The Consultant's work may include, but is not limited to, route and land surveys, plat preparations, and right-of-way plan preparation. The department will direct as to how the surveys and plats will be completed.

The completion date for this contract is January 1, 2014.

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 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 Land Surveyor with adequate experience).

Firms 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

17. **Job No. D-30-011-12, Various Lighting Projects, Various Routes, Various Counties, Bureau of Design and Environment.**

The **Complexity Factor** for the 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 **August 15, 2012** at **10:00 A.M.** in the Harry R. Hanley Building, Bureau of Design and Environment in **Springfield**.

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

The Phase II work may consist of engineering design for roadway lighting, electrical installations, dewatering pump station upgrades, and other electrical and lighting facilities. Work may also include the review of plan, special provisions, and contract documents which relate to electrical, lighting, and pump station work as well as the analysis of field problems, site visits and nighttime inspections.

The Consultant will be expected to perform work similar to the Electrical Unit Chief and Staff. Key staff from the Consultant may be expected to work at the Harry R. Hanley Building in the Bureau of Design and Environment several days a week.

Lighting oversight and lighting design by the same Consultant or one of their subconsultants on the same project are prohibited.

Joint Ventures will not be allowed on this project.

The various proposed projects may consist of engineering design, electrical layout and the development of detail drawings and contract documents. It is essential in the process of this work to accurately apply all electrical and lighting codes and complete all engineering calculations required for good engineering design.

The department will furnish the Consultant with any plans and contract documents necessary to complete the work. The Consultant is responsible to furnish their own design documents including all lighting and electrical design guides and all electronically available IDOT specifications and policy documents.

The engineering services required may consist of only a portion of the total engineering work on a certain project.

The completion date for this contract will be 18 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 18 months.

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

- The person who will assume 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 a graduate Electrical Engineer or an Illinois Licensed Professional Engineer with adequate roadway lighting experience work and sufficient technical ability). 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 with adequate lighting plan review experience).

Firms must be prequalified in the **Special Plans (Lighting: 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

18. **Job No. D-30-009-12, Grand Illinois Trail Moraine Hills McHenry/Lake Segment, Phase II Project, Lake County, Region One, District One.**

This project contains Federal Funds.

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

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 **July 18, 2012 at 10:00 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase II engineering services are required for preparation of plans, specifications, and cost estimates, designed by another firm for the construction of the Grand Illinois Trail, Moraine Hills McHenry/Lake Segment commencing at the entrance to Moraine Hills State park on the east side of River Road in McHenry County and extends approximately 1.7 miles in a general easterly and southerly direction to the terminus at the eastern boundary line of the Griswold Lake Hills Subdivision. The project is located in Sections 7 and 8 of Township 44 North 9 East (Nunda), McHenry County, Illinois. The project will be constructed on lands owned by the Illinois Department of Natural Resources (IDNR), parcels to be acquired by IDNR and permanent easements. The proposed work includes construction of a ten-foot (10') wide trail with two-foot (2') wide earthen shoulders on either side approximately 1.7 miles in length. The pavement cross section will consist of a three-inch (3") compacted thickness hot-mix asphalt surface course and an eight-inch (8") compacted thickness aggregate base course on top of a geotechnical fabric.

The proposed alignment creates two crossings with existing roadways. The crossing at Lily Lake Road will be an underpass proposed as a fourteen-foot (14') wide by ten-foot (10') high clear opening pre-cast concrete box culvert underpass and will require construction of a cast – in-place retaining wall on both sides of the underpass. The second crossing will be at-grade with pavement markings.

A segmented block wall may be necessary along a portion of the trail.

The department will furnish the Consultant with available electronic plans, Project Report, TS&L plans, Structure plans, geotechnical borings where available, Location Drainage Studies, and other available items.

The estimated construction cost for this project is \$2,200,000. The Consultant's work includes preparation of contract plans, specifications, and estimates, including maintenance of traffic plans and all other works required to complete the project. The completion date for this contract will be **6** 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 proposed drainage plans (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) work with adequate plan review experience.
- The person who will perform the QC/QA review work of all milestone submittal documents must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

The Statement of Interest must also include the Consultant's relevant projects completed by the firm.

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

**Structures (Highway: Typical)**  
**Highways (Roads & Streets)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

19. **Job No. C-30-051-12, Various Routes, Various Counties, Structural Steel Shop Fabrication Inspection, Statewide.**

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

The Consultant selected for this project and subconsultants the prime Consultant expects to employ are scheduled to attend a negotiation meeting on **July 18, 2012** at **2:00 P.M.** in the Harry R. Hanley Building, Bureau of Bridges and Structures in **Springfield**.

Attachment A, showing Inspection Requirements, is enclosed for your consideration. If interested in providing these services for the department, please provide the following information: 1) your firm's previous experience with this type of work and Illinois Department of Transportation (IDOT) specifications; 2) names of key personnel along with one page resumes indicating technical and managerial qualifications; 3) availability of inspection personnel and your firm's anticipated workload during the next two years; 4) branch office locations; 5) your firm's calculated burden and overhead rate.

Since, the location and duration of projects to be covered by this contract are uncertain, we are providing the following estimated annual requirements:

<u>Inspector Qualifications</u>	<u>Straight Time (Hours)</u>	<u>Overtime (Hours)</u>
CWI and UT Level II (Shop)	50	10
CWI (Shop)	2000	100
Non CWI (Shop)	350	50
UT Level II (Field)	20	0
Inspection Manager (Site Meeting)	10	0

Services will also entail an estimated: 240 days of per diem and significant travel.

Each inspector is expected to be a member of the agency's inspection staff. The use of temporary personnel hired from the local area for inspection shall be prohibited unless approved by the department on a case-by-case basis.

The contract will be monitored and administered by the IDOT Bureau of Bridges and Structures. The completion date for this contract will be 12 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 12 months.

Statements of Interest, including resumes of the key people, may be e-mailed to the [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov) or send two hard copies to the following:

Illinois Department of Transportation  
Bureau of Design and Environment  
Attn: Ms. Carrie Kowalski  
Consultant Unit, Room 330  
2300 South Dirksen Parkway  
Springfield, Illinois, 62764.

## ATTACHMENT A

### INSPECTION REQUIREMENTS

#### SECTION I - INSPECTORS

Quality Assurance (QA) Inspectors shall be fully-trained employees of the CONSULTANT, experienced in the inspection of materials, workmanship and procedures involved in the work. The use of personnel temporarily hired for inspection shall be prohibited unless approved by the DEPARTMENT on a case-by-case basis. QA Inspectors may not be in any position of self-interest, direct or indirect, with the producers or processors of the work involved. The name and address of each inspector expected to be employed in this work shall be filed by the CONSULTANT with the DEPARTMENT, together with a brief summary of qualifications. When more than one inspector is assigned to a project, the CONSULTANT shall designate one as the lead inspector, who will assume the responsibility of coordinating the inspection effort and filing all reports in addition to inspection duties. The CONSULTANT shall not change inspectors on the project without prior notification to the DEPARTMENT. The DEPARTMENT shall have the right to order the removal of any inspector from the DEPARTMENT'S work for failure to perform to the satisfaction of the DEPARTMENT.

1. The inspectors shall personally make inspections and reports as required by the DEPARTMENT for quality assurance (QA) of fabrication on assigned projects. They shall perform special tests, examinations and re-inspections when required by the DEPARTMENT.
2. Each inspector shall be familiar with the approved shop drawings and DEPARTMENT standard specifications pertaining to the fabrication inspected, as well as applicable codes and specifications of the American Welding Society (AWS) and American Society for Nondestructive Testing (ASNT).
3. No variations from the approved shop drawings or the Contract documents shall be permitted by the inspector, except upon specific instructions by the DEPARTMENT.
5. Each inspector assigned to a project shall be a Certified Welding Inspector (CWI), unless otherwise approved or specified by the Department, and well versed in applicable fabrication, non-destructive testing (including MT and RT interpretation), cleaning and/or shop painting techniques. Non-certified inspectors shall have at least one year of prior, supervised experience with the agency.
6. Inspectors shall be assigned and monitored by an Inspection Manager who is qualified to perform all tasks assigned to supervised inspectors. If the Engineer requests the Inspection Manger personally attend a prefabrication conference or on-site meeting, or perform sophisticated inspection services, the Inspection Manager will be billed at the overtime rate for a CWI & UT II (Shop) plus per diem and/or mileage, based on location and duration.
7. For ongoing projects, shop inspectors will be reimbursed for per diem or daily mileage and travel time from/to their home address, whichever is less. This allows per diem and mileage to be charged only for travel days at the beginning and end of a particular project, for intermittent inspection, or for prolonged periods of inactivity at a shop. Per diem will be paid through weekends and shop holidays if it is less than estimated charges for the inspector to travel home and return to the shop.

8. Field (construction site) QA Inspectors will be reimbursed for per diem, and daily mileage/travel time for up to 40 miles or travel time to/from their home to the field site work, whichever is less.

## SECTION II - CONDUCT OF INSPECTORS

QA Inspectors shall perform their duties under the contract in a courteous manner. They shall maintain fair and professional relations with personnel of the shops inspected and direct formal communication to the shop's Quality Control staff or management, as appropriate. QA Inspectors will not perform Quality Control duties for the shop or direct production personnel, except to note hazardous conditions that might result in injury or damage.

## SECTION III - SHOP INSPECTION

QA Inspections typically cover steel or aluminum fabrication, but other materials may occasionally be involved.

Any shop error or material deficiency observed which, in the opinion of the inspector, may be cause for rejection shall be reported to the Contractor's QC or production management and the DEPARTMENT. Inspectors shall verify that repairs are made or report inadequate corrections to the DEPARTMENT. Inspections in the shop shall verify: the condition of materials, workmanship, dimensional accuracy, quality of welding, the proper application of heat, accuracy of punching, reaming and assembly, proper torque of bolts, fit of machine finished joints, conformance of cleaning and painting to the contract specifications, etc. QA Inspectors shall identify significant or recurring defects and document the adequacy of the Contractor's corrective actions and Quality Control Plan.

The following list is not all-inclusive, but shows typical inspector activities to verify compliance with contract requirements.

1. General surface inspection as material is processed and exposed to view, noting imperfections. View cut edge of plates for indications of internal defects.
2. Observe thermal cutting and computer numerically controlled (CNC) equipment to determine if it appears to be performing properly.
3. Check the mill identification, sizes of sections and thickness of plates, verifying that approved materials are used, with special attention to the use and location of Fracture Critical Material.
4. Determine that dies and punches are in acceptable condition, of correct size, and used within the limits set by the contract, the manufacturer or industry practice as appropriate.
5. Check that reamed holes are cylindrical, that burrs are removed and no drilling debris remains between shop contact surfaces.

6. Periodically monitor the installation and tightening of high strength bolts to insure that the selected tightening procedure is properly used. Each day that bolts are to be installed in slip critical connections, rotational capacity tests shall be performed and inspection wrenches shall be calibrated in a device indicating bolt tension prior to testing.
7. Steel templates for reaming or drilling shall have hardened bushings positioned based on the inscribed centerlines used to locate each template, and they shall be properly secured.
8. Bolted splice plates shall be properly fitted and secured prior to reaming or drilling. Parts assembled for drilling or reaming holes to full size shall be aligned and secured after verifying proper hole spacing and edge distances.
9. Techniques used in assembling beams, girders, trusses, rigid frames or arches shall not damage members, and the desired geometry (camber, horizontal curvature, etc.) shall be verified before reaming, unless otherwise approved by the Engineer.
10. Field bolted splices and other reamed assembled (RA) or drilled assembled (DA) elements shall be plainly match-marked, and the match-marking diagrams shall be checked. Erection (piece and match) marks shall be made with low or mini-stress dies in areas of members and splice plates specified on the shop drawings.
11. Check pins, bushings and pin holes for size, location and surface finish. Obtain certification of pin and bushing material and any required heat treatment process.
12. All finished members shall be free of general or localized twists, bends, kinks or other distortions exceeding contract tolerances.
13. All loose pieces are to be bolted or otherwise secured for shipment, and small parts properly cushioned and boxed or otherwise secured against loss and damage in transit.
14. Check for "lefts" or "rights" and number of parts.
15. Surfaces to be shop coated shall be properly cleaned and surface profile verified prior to application. Priming must be done within 24 hours of cleaning and prior to any surface rusting.
16. ILDOT-approved batches of paint are to be applied in accord with the contract and manufacturer's product data sheet. Verify paint batch approval by the DEPARTMENT. Monitor mixing of components, humidity, metal and air temperature and application patterns.
17. All thermal cutting shall be mechanically guided. No hand-held thermal cutting of final edges shall be allowed without the approval of the DEPARTMENT, and re-entrant cuts must be finished in accord with contract requirements.
18. Verify QC measurements for center to center of bearings, camber and sweep. Make random checks of stiffener and lateral bracing locations as well as their hole layouts. If errors are found, require more complete dimension checks by QC to define extent of the problem.

19. Check workmanship (dimensionality, straightness, finish, etc.) in accordance with requirements of applicable specifications.
20. Check that splice plates and fills are properly positioned before drilling or reaming. No metal fragments or foreign material other than paint shall remain between shop bolted components.
21. Mill test reports should be obtained from the contractor's QC or the DEPARTMENT and correlated with the primary member material used in the structure. A material assignment sheet may be obtained from QC or developed by the QA Inspector. Mill reports or independent lab tests must verify satisfactory toughness testing for "CVN", "NTR" or Fracture Critical material. The material grade (e.g.: Gr. 36, 50, 50W) must comply with the shop drawings. All steel material shall be certified on the mill report to be domestically produced ("Melted and Manufactured in the USA" or similar).
22. Report significant fabrication deficiencies (e.g.: requiring substantial removal and replacement of welds or paint, mislocated holes, misaligned members) on the daily log, including their cause and correction. Proposals to correct errors potentially affecting the adequacy of the member shall be submitted by the QC to the DEPARTMENT prior to repairs. Attachment and removal of temporary fabrication or handling must employ DEPARTMENT approved methods.
23. Any erection devices shown on the approved shop drawings warrant the same inspection required for permanent material, but mill test reports and evidence of domestic origin are not required for temporary items not purchased by the DEPARTMENT.

#### SECTION IV - WELDING

##### Prior to Welding:

1. The QA Inspector shall verify the current qualifications of each welder for process(es) and position(s) used on the project. Welder qualification shall be performed in accord with the applicable AWS code (D1.1, D1.2 or D1.5), and the QA Inspector may witness alignment of the test plates, the welding preparation of the coupons, and/or tests performed in the fabricator's shop. (In the absence of test facilities in the shop, the fabricator shall forward the properly identified coupons to a testing laboratory acceptable to the Department). Also, discuss with quality control the traceability of each welder's work, noting that no permanent indications (die stamps, welded figures) shall be allowed on finished work.
2. Ensure weld procedures are ILDOT approved and understood by the welders, welding foremen and quality control.
3. Prior to fitting welded joints, examine the condition of the material, especially for defects or contamination in the joint area.
4. Check fit-up of joints that are to be welded, including root face, angle of bevel, the alignment of the parts, and the uniformity of root opening.

5. When applicable, ensure run-on/run-off tabs are of adequate length, shape and size to allow full weld throat the entire length of the joint.
6. Check surfaces to be welded for cleanliness, with mill scale and rust removed to the extent required, and absence of moisture, lubricants or other foreign material detrimental to welding.
7. Visually inspect tack welds for integrity and defects. They are to be as small as practical. No temporary welds are allowed on any flange or web solely for positioning or restraint. Tack welds on flanges and webs must be incorporated in the final weld.
8. Review weld joints shown on the shop drawings for potential conditions which may require weld sequencing or heating parameters not specified on the approved weld procedure, and notify QC and the DEPARTMENT of such situations.
9. Review shop report forms utilized for nondestructive testing and discuss any concerns with Quality Control.
10. Discuss the condition and calibration of welding equipment with Quality Control. Verify gauges (amperage, temperature, wire feed speed, voltage, etc.) are periodically checked for accuracy and adjusted or replaced if necessary, and that calibration equipment is periodically certified and properly utilized.

#### During Welding:

1. Ensure the correct weld consumables are utilized, are in satisfactory condition and are stored properly to prevent damage. Bridge welding requires low-hydrogen processes, so consumables must be reconditioned or replaced after exposure, as provided by the specifications.
2. Periodically observe the technique and performance of welders to ensure procedures and techniques conform to the contract. For fracture critical joints, plan for sequential inspection of multiple-pass welds. Arrange with the QC for the foreman to notify the QA Inspector when such work will be performed.
3. Ensure welding is done in accordance with the approved procedures, periodically verifying that the current, amperage, voltage, travel speed, preheat and interpass temperatures are within tolerances.
4. Ensure welds start in the area where weld is to be deposited. Tack welds shall be located and sized (after grinding) to be completely incorporated in the production weld unless they are made using an approved weld procedure. Cracked tack welds shall be removed before welding over their location.
5. On subsequent passes for flange and web butt joints, observe if split layer technique is properly used where required.
6. Verify that the root and intermediate passes are cleaned and deficiencies corrected before succeeding weld passes. Wire brushing, grinding or chipping may be used to

remove slag between weld passes, but no unspecified peening or distorting (“caulking”) of weld metal shall be permitted without the specific approval of the DEPARTMENT.

7. After butt welds have cooled, the parts joined are not in alignment corrections shall be made prior to assembly of member. Minor misalignment may be corrected by the controlled application of heat and/or pressure. If misalignment is significant, corrective work shall be done using QC-proposed methods approved by the Engineer.
8. If welds are to be ground smooth and flush, final finishing should be parallel to the direction of the main stress in a member. All welds shall terminate in a satisfactory manner.

#### After Welding:

1. Welds shall be cleaned of slag and examined by QC. When blast cleaning is required, a general examination of welds and material shall also be done after blasting and before painting.
2. Any weld geometry exceeding welding code limits shall be corrected to meet tolerances. Ends of repair welds shall transition smoothly into existing welds.
3. Excess metal at butt welds shall be removed by grinding. Plate thickness or width transitions shall be sloped as shown on the shop drawings with smooth transitions at the thinner/narrower plate. Over-grinding at this location must be corrected using Engineer-approved methods before NDT.
4. All runoff tabs shall be removed without damaging permanent material. Thermal-cutting may be used, provided the final preparation is done by grinding.

#### SECTION V - RADIOGRAPHY AND RADIOGRAPHIC INSPECTION

1. All radiographic inspection required by the Contract shall be performed by the Contractor for the DEPARTMENT.
2. The QA Inspector shall verify that radiographs are numbered in accordance with the requirements of the Radiograph Sheet and that all radiograph film numbers are recorded on the sheet corresponding to joint locations in the structure.
3. The QA Inspector shall review all radiograph reports and duly sign them when in agreement with the report. If the QA Inspector and the Contractor cannot agree with respect to the report, the Engineer will review any film in question, and provide a determination of acceptability. Once the report is signed, the QA Inspector shall keep the original set of reports and film until fabrication is complete and then submit all reports and radiographs to the DEPARTMENT for filing. On large structures, submittals may be on interim basis as required by the DEPARTMENT.

#### SECTION VI - MAGNETIC PARTICLE INSPECTION

1. The QA Inspector shall ensure magnetic particle inspection (MT) is done in accordance with ASTM E 709 and the Contract.

2. The Contractor performs the MT required by the contract for the DEPARTMENT and submits a report to the QA Inspector of all findings. The QA Inspector shall periodically witness the testing and, if satisfied as to the technique and results, shall sign the reports, retaining originals and giving one copy to the fabricator. The QA Inspector shall forward a complete set of the original reports to the DEPARTMENT at the end of the project.

## SECTION VII - ULTRASONIC INSPECTION

- 1 Ultrasonic testing (UT) required by the Contract shall be performed by the Contractor. The Contractor is to submit a report to the QA Inspector of all findings. The QA Inspector shall be familiar with proper UT application, and periodically witness testing, including set-up and recalibration. If satisfied with the technique and the test results, the QA Inspector shall sign the UT reports. If the Engineer requires QA verification testing of the Contractor's findings or to examine areas not requiring UT in the Contract, the QA Inspector must be qualified as a Level II in UT by testing, training and experience in accord with the current edition of the American Society for Nondestructive Testing Recommended Practice No. SNT-TC-1A.
  1. UT may also be required at field locations utilizing the Consultant's equipment when requested by the DEPARTMENT. (The Department shall provide access, traffic control and assistance as required).
  2. For UT performed by the Contractor, the QA Inspector shall include the original reports in the project file and return one signed copy to the fabricator. For UT performed by the QA Inspector, a copy shall not be provided to the Contractor unless directed by the Engineer. The QA Inspector shall forward the original UT reports to the DEPARTMENT at the end of the project.

## SECTION VIII - SHOP CLEANING AND PAINTING

1. QA Inspectors shall carefully review the ILDOT Standard Specifications and Contract Special Provisions covering the shop cleaning and painting of structural steel and verify that requirements are met. In case of disagreements on interpretation or acceptance between the QA and QC Inspectors, the Engineer will provide guidance.
2. Structural steel should not be shop cleaned or painted until its fabrication has been accepted by QC: this is not mandatory but represents good practice, and the QA Inspector shall mandate recleaning and/or repainting if deficient areas are coated. Blast cleaned surfaces shall have proper profile and cleanliness. Thermal cut edges shall be ground before blasting if necessary to achieve the required profile. Primer must be applied within 24 hours and before any rust is visible.
3. The shop coat(s) shall be inspected for proper mixing, application, dry film thickness of individual or multiple coats, proper curling of preceding coats, and uniform coverage. Unless otherwise provided for small batches, the inspector shall have an approved test report identification issued by the Department for the batch of paint used. If not, the fabricator Contractor must submit samples taken from the batch (with the QA Inspector witnessing) to the DEPARTMENT'S Bureau of Materials and Physical Research for testing prior to painting. Paint must be applied when the temperature and humidity are

within acceptable limits and during the manufacturer's prescribed pot life. Paint may only be thinned in accord with the manufacturer's guidelines.

4. Special attention shall be given to shop installed bolts. Cleaning, profile, subsequent primer coverage and adhesion shall be carefully monitored. For mechanically galvanized bolts installed before blasting, some galvanizing may remain after cleaning, as long as primer adhesion is not impaired. For black ASTM A490 bolts in painted areas, if blasting does not produce adequate profile due to the hard surface, exposed bolt surfaces must be cleaned and spot primed with a suitably adherent coating before priming the adjacent steel.
5. After shop painting, care shall be taken in the handling, storage and shipping of material to avoid damage or contamination (oil, etc.) of the surface. All damage noted shall be repaired in accord with Contract requirements and the paint manufacturers' guidelines prior to shipment.
6. Verify gauges (dry film thickness, profile, temperature, humidity, etc.) are routinely calibrated and that calibration equipment is recertified as necessary.

20. **Job No. D-30-010-12, Statewide Structural Engineering Services, Bureau of Bridges and Structures.**

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

The Consultant selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 17, 2012 at 10:00 A.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures in **Springfield**.

Various structural engineering, geotechnical/foundation, and hydraulic services are required by the Bureau of Bridges and Structures. Projects are anticipated to include NBIS and Element Level Inspections, Damage Inspections, plan preparation for the repair, rehabilitation, or replacement of structures, Load capacity rating of existing and/or new structures, drafting services and possible field investigations. The Consultant may be required to provide the appropriate bridge inspection equipment to complete NBIS and Damage Inspections and field investigations. The Consultants 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 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 completion date for this contract will be 24 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional 24 months

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

- Person who will assume the duties of Project Manager for aspects of the work: (must be an Illinois Licensed Professional Engineer).
- Person who will perform the duties of the 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/or an Illinois Licensed Structural Engineer).
- 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(s) who will perform the work in the area of Structure Geotechnical Reports and/or geotechnical/foundations/wall design recommendations (must be an Illinois Licensed Professional or Structural Engineer) shall be identified. The Geotechnical Services (SGR) prequalification category may be completed by the Prime and/or Sub.
- 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).

- Person(s) who will perform/supervise the work in the area of Hydraulic Reports and preparation of the Hydraulic Analyses (must be an Illinois Licensed Professional Engineer). Hydraulic Reports: Typical prequalification category requirement may be completed by the Prime and/or Sub.
- 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 prime firm must be prequalified in the **Structures (Highway: 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 at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

21. **Job No.C-30-052-12 Program Manager Various Passenger Projects Statewide, Various Counties, Central Bureau of High Speed & Passenger Rail.**

This project contains Federal Funds.

**This project requires 30% DBE participation.**

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

The Consultants who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 27, 2012 at 11:00 A.M.** at the Harry R. Hanley Building, Bureau of HS&PR in **Springfield**.

Phase I, II, and/or III services are required for various Passenger related new service and capital improvement projects, including but not limited to, the Chicago to Dubuque Corridor. The Consultant Program manager (PM) will manage various projects, which are under contract with other Consultant engineering firms. Work orders under the blanket agreement will be negotiated and authorized on an as-needed basis.

Joint Ventures will not be allowed on this project.

The PM will be expected to perform work similar to an IDOT Section Chief & staff. This work may include but is not limited to engineering, technical, management, land acquisition surveys, environmental, and administrative services to assist in bringing to completion as expeditiously as possible the program intent.

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 work anticipated under this program may include, but not be limited to:

- Manage Consultant projects assigned, including reviews and contract administration
- Manage and track project-level cost, schedule and budget requirements, and coordination with IDOT program-level and assigned project-level controls personnel
- Validate, and monitor project scope
- Identify and implement all necessary coordination and communication within and outside the department, to IDOT and other stakeholders as required
- Hold regular progress meetings and briefings for IDOT where details of project and progress are presented
- Facilitate and expedite the resolution of technical/service issues, drawing upon necessary resources and experts in applicable disciplines
- Facilitate the resolution of contractual issues, drawing upon necessary resources within IDOT

- Public involvement as necessary for NEPA and new passenger services
- All other work as required to manage program.

The department will make available all applicable IDOT/FRA/Railroad procedures, standards and specifications, and any other available documents.

The completion date for this contract will be 36 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 36 months.

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

- The person who will assume the duties of Program Manager for all aspects of the work documents.(include applicable railway experience)
- The person who will assume the duties of Program Engineer, that individual-in-charge must be an Illinois Licensed Professional Engineer (include applicable railway experience).
- The Environmental Lead, who will be responsible for the oversight of the environmental work effort and the persons responsible for all environmental disciplines including air quality, water quality, traffic noise, community impacts, and ecology. 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 who will assume the duties of budget/schedule reporting and oversight for the program with full status reporting qualifications/capabilities.
- The person who will assume the duties of service operations/equipment oversight, that individual-in-charge, include all applicable railway experience
- The person(s) who will perform the QC/QA review work of all milestone submittals & include all applicable railway experience

Statements of Interest must provide the approach the firm would take on this project, managing experience, etc as well as an outline of proposed procedures to be used in meeting project objectives. Additionally, the Consultant must be experienced in MicroStation, ArcGIS, and Primavera software systems. Consultants are also required to furnish a list of related railroad experience completed in the last five years.

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

**Location and Design Studies (New Construction/Major Reconstruction)**  
**Special Transportation Studies (Railway Engineering)**  
**Environmental Reports (Environmental Assessment)**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
OFFICE OF MINES & MINERALS**

**Springfield**

One Natural Resources Way  
Springfield, IL 62702-1271

**REQUEST FOR PROFESSIONAL SERVICES**

May 3, 2012

This is the official notice that professional services are required by the Illinois Department of Natural Resources, Office of Mines and Minerals, Abandoned Mined Lands Reclamation Division (DNR). Selection for this project is anticipated to be the week of July 9, 2012.

This is not an invitation for bids. Firms properly prequalified for either of the projects listed herein may indicate their desire to be considered for selection by submitting the requested information to the DNR address listed within the project description.

Firms must be prequalified in **all** of the advertised areas listed in the project description. This is required even if a firm plans to subcontract part of the project.

**SPECIAL NOTICE:** Because of federal funding, contracts between consultant firms and the DNR 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 DNR 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.

Furthermore, the DNR hereby notifies all proposers that it will affirmatively insure that in any contract entered into 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 DNR 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 project site of key personnel assigned to the project.
- 3) Extent of work which must be subcontracted by the firm and their proposed method of accomplishing the project objectives.
- 4) Financial evaluation of the firm and its accounting methods.
- 5) Performance rating for past work done for DNR, if applicable

Firms should ensure their Statement of Interest specifically lists and discusses experience with dams regulated under 17 Illinois Administrative Code Chapter 1, Subchapter h, Part 3702, Construction and Maintenance of Dams.

All members of the DNR Consultant Selection Committee will be unavailable to discuss specifics listed herein until selection of the specific firm has been announced.

DNR'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 DNR Consultant Selection Committee.

If you have any questions concerning the projects, please contact Mr. Greg Pinto, Office of Mines & Minerals in the Department of Natural Resources at 217/785-0398.

Procedural questions regarding Statements of Interest may be directed to Ms. Carrie Kowalski in the Bureau of Design and Environment's Consultant Unit at 217/782-6916.

22. **DNR-1 Farmington Embankments; Reclamation Design, Engineering, and Inspection, Department of Natural Resources, AML-GKnP-1146, Knox County, Department of Natural Resources.**

This project contains federal funds.

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

The Consultant selected for the project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **July 17, 2012 at 10:00 A.M.** at the Department of Natural Resources headquarters, One Natural Resources Way in Springfield.

Professional services are required to facilitate reclamation at the Farmington Embankments abandoned mine site in Knox County. Two embankments constructed at this site decades ago as part of an abandoned mining operation are eroding due to failed discharge structures. A public road passing over both of these structures has been closed due to public safety concerns. Neither of these embankments was ever permitted with DNR's Office of Water Resources (OWR).

The department's preferred reclamation concept is to rebuild both of the embankments and construct new discharge structures and allow the road authority the option of re-opening the public road. This reclamation plan will require permitting of at least one of the embankments as a dam with OWR as required by the "Rules for Construction and Maintenance of Dams" and Title 17 Illinois Administrative Code, Chapter 1, Subchapter h, Part 3702, Construction and Maintenance of Dams. It is the department's preferred option that the smaller of the two embankments is rebuilt as a structure that does not require permitting and this option shall be evaluated.

The department will furnish the Consultant with historical information regarding the site and with topography of the site as an AutoCAD file.

Services are expected to include:

- Site investigation to provide all necessary data and information required to conform to all requirements of OWR for dam permitting and to facilitate development of designs. Includes field verification of structure locations and elevations, subsurface exploration/soil borings, soil and water sample collection, and soil testing.
- Prepare designs to implement the proposed reclamation concept and submit application(s) and obtain permit(s) for dam modification/reconstruction through DNR's Office of Water Resources. Includes performing all necessary hydrologic/hydraulic analysis and geotechnical analysis.
- Develop project specifications and construction plans (in AutoCAD) for bidding through IDOT's Transportation Bulletin.
- Perform technical construction inspection, grade checking, materials tests and inspections, document construction activities with inspection reports, generate payment requests and collect associated backup materials, and prepare record drawings.

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 Consultant and subconsultant(s) will disclose all current relationships with contractors.

The completion date for this contract will be 42 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 who will perform/supervise work in the area of hydraulic analysis, drainage calculations and preparation of hydraulic reports (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of geotechnical investigations, analysis, recommendations, design, and preparation of geotechnical reports (must be an Illinois Licensed Professional Engineer). The Geotechnical Services (SGR & SE) prequalification categories may be completed by the Prime and/or Sub Consultant.
- The person or subconsultant who will perform soil borings.
- The Materials Laboratory.
- The person who will serve as the Construction Engineer who will provide technical assistance if needed during construction.
- The Construction Inspector / Document Technician (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 S-14, Documentation of Contract Quantities.)
- The Survey Chief.

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

**Hydraulic Reports: Waterway Complex**  
**Special Services: Construction Inspection**

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address [SOIPTB@dot.il.gov](mailto:SOIPTB@dot.il.gov).