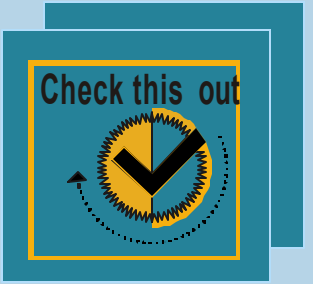
Professional Transportation Bulletin

PTB 146 **October 11, 2007**

Statements of Interest are due by 4:30 p.m.
on October 25, 2007
Selection Date: January 9, 2008



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

IMPORTANT NOTICE PROFESSIONAL TRANSPORTATION BULLETIN REVISIONS

Selection Date: January 9, 2008

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

REVISION DATE: There are no revisions as of October 11, 2007.

State Of Illinois
Notice For Contact Information

Department Of Transportation
2300 South Dirksen Parkway
Springfield, Illinois 62764

The Transportation Bulletin is the official Illinois Procurement Bulletin for the Illinois Department of Transportation as authorized by Section 15-1 of the Illinois Procurement Code, 30 ILCS 500/15-1. It is available on **IDOT's WEBSITE at** http://www.dot.il.gov**.**

Professional Transportation Bulletin

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

Questions concerning this Bulletin should be directed to:

Carrie Kowalski
Consultant Unit Chief
E-mail: Carrie.Kowalski@illinois.gov
Phone: 217-782-6916

Or mailing address:

Bureau of Design and Environment
2300 South Dirksen Parkway
Room 330
Springfield, IL 62764

TIPS & TOOLS

To save:
To save a section "right click" on the link and select "save target as". To save the entire bulletin select "Download Complete Bulletin". This will save the self-extracting zip file.

To access web links:
The first time the web links are accessed the Internet browser will need to be set. *This will only have to be done one time*. When a web link is clicked on, a dialog box will appear:
"A Web Browser has not been specified. Do you want to configure the web link".
Click YES.
Another dialog box will appear. Select the drop down list "connection type" then select an Internet browser. (IDOT employees choose Internet Explorer.)

Using Tools:

To see previous view

To scroll through pages

To copy information from the Adobe .PDF file and paste it into a word processing application:
To view toolbar (if not open) **CLICK** Window on the menu bar then **CLICK** Show Tool Bar in the drop down box.

Select the text tool (Capital T) from your toolbar and highlight the text you want to copy. Open word processing application and paste.

To paste in Word. Open new document in Word **CLICK** Edit on the menu bar then **CLICK** Paste in the drop down box.

In order to make the information more legible, change your left and right margins to 1". You may have to put in some returns at the ends of the lines in the appropriate places to make it easier to read.

Tentative Schedule
For
Professional
Transportation Bulletins

ACTIVITY	PTB 147	PTB 148	PTB 149	PTB 150	PTB 151	PTB 152	PTB 153
PUBLISH PTB	**10-Jan-08**	**10-Apr-08**	**10-July-08**	**09-Oct-08**	**08-Jan-09**	**09-Apr-09**	**09-Jul-09**
STATEMENTS OF INTEREST ARE DUE	**24-Jan-08**	**24-Apr-08**	**24-Jul-08**	**23-Oct-08**	**22-Jan-09**	**23-Apr-09**	**23-Jul-09**
SELECTION MEETING	**02-Apr-08**	**25-Jun-08**	**24-Sep-08**	**07-Jan-09**	**01-Apr-09**	**24-Jun-09**	**23-Sept-09**

E-mail Instructions for Completing Statements of Interest for Electronic Submittal

We require Statements of Interest (SOI) to be submitted through the e-mail system using Adobe Acrobat 4.0 or greater Software.

Electronic submittals should be made to the Central Office only. The Central Office will forward the necessary consultant information to the Regions/Districts and other Bureaus or Divisions. All electronic submittals should be addressed to SOIPTB@dot.il.gov

Each prequalified consultant firm has been assigned a unique 2 to 6 character Firm Name Code which must be used when submitting electronic Statements of Interest. This code appears on the SEFC Prequalification Page, which is sent with your annual prequalification letter and is located at the top of the page, which lists the prequalification categories, and is next to the Firm Name.

It is important your e-mail appear exactly like the attached example described below:
(Note: ABC Engineering is used for example purposes only. The Code for this firm is "ABCENG")

- The Subject Line must read: FIRM NAME, PTB NUMBER, ITEM(S)

  (Example: ABC Engineering, PTB 135, Items 2, 15, & 22) If there will be more than one e-mail please note as follows: e-mail 1 of __ the total number to be sent.)

- The first line of your e-mail should indicate your Firm Name, PTB & Items Number(s) on which your firm is submitting.

  (Example: ABC Engineering has submittals for PTB 135, Items 2, 15 and 22.)

- The second line should list the name, e-mail, and phone number of the person to contact should there be any questions regarding the submittal.

- Each attachment must be labeled as indicated below:

  1. For each Item on which you are submitting use your 2-6 character Firm Name Code, immediately followed by the 2-digit Item Number (i.e., 01 through 99).

     (Example: ABCENG02.pdf)

  2. For your firm's Current Obligation Form, use your 2-6 character Firm Name Code, followed by WL.

     (Example: ABCENGWL.pdf)

  3. For your firm's Disclosure Forms, use your 2-6 character Firm Name Code, followed by DS.

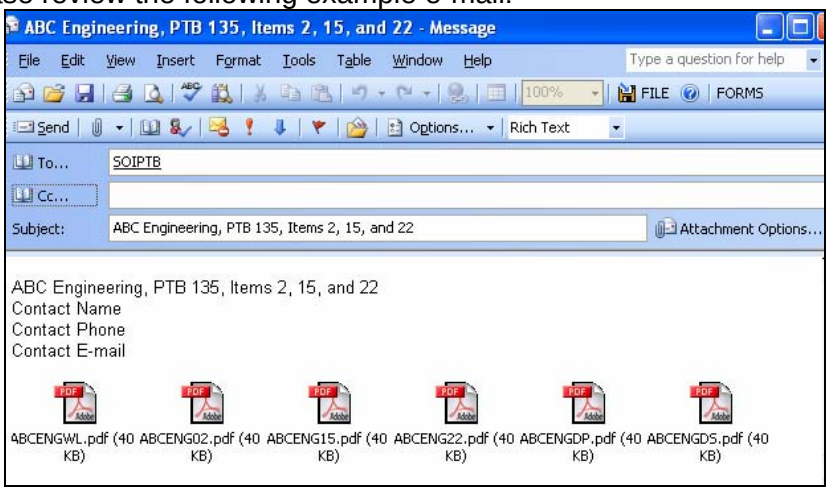
     (Example: ABCENGDS.pdf)

  4. For your firm's Delinquent Dept Certification Form, use your 2-6 character Firm Name Code, followed by DP.

     (Example: ABCENGDP.pdf)

E-mail Instructions for Completing Statements of Interest for Electronic Submittal

Please review the following example e-mail:



Detail Descriptions of Attachments for electronic submittal:

- ABCENG02, ABCENG15 and ABCENG22 are the Statements of Interest for the submitted Items and must include Exhibit A. Following Exhibit A, include resumes of the key management personnel and project staff listed in Exhibit A. If Exhibit B is required, include next, followed by resumes of individuals listed on page 2 of Exhibit B.

- ABCENGWL is the Current Obligation Form. Only one copy of the Current Obligation Form is required. Instructions shown on page one should not be sent.

- ABCENGDS is the Disclosure Forms. Only one copy of the Disclosure Forms is required. Disclosure file would consist of Form A and Form B or the Form for Offerors That Have Previously Submitted Form A and Form B. The instructions should not be sent.

- ABCENGDP is the Delinquent Dept Compliance Statement for the Prime and any known subconsultants the prime will be using.

Complete the word documents then convert them to the Adobe PDF for submittal. The size limitation on an incoming e-mail to IDOT is **2 MB**. If you exceed this limit, you must separate contents into multiple e-mails. Identify the number of e-mails being sent, (i.e. 1 of 3). Scanned images, color graphics, and photographs which are converted to Adobe Portable Document Files (PDF) files can become very large.

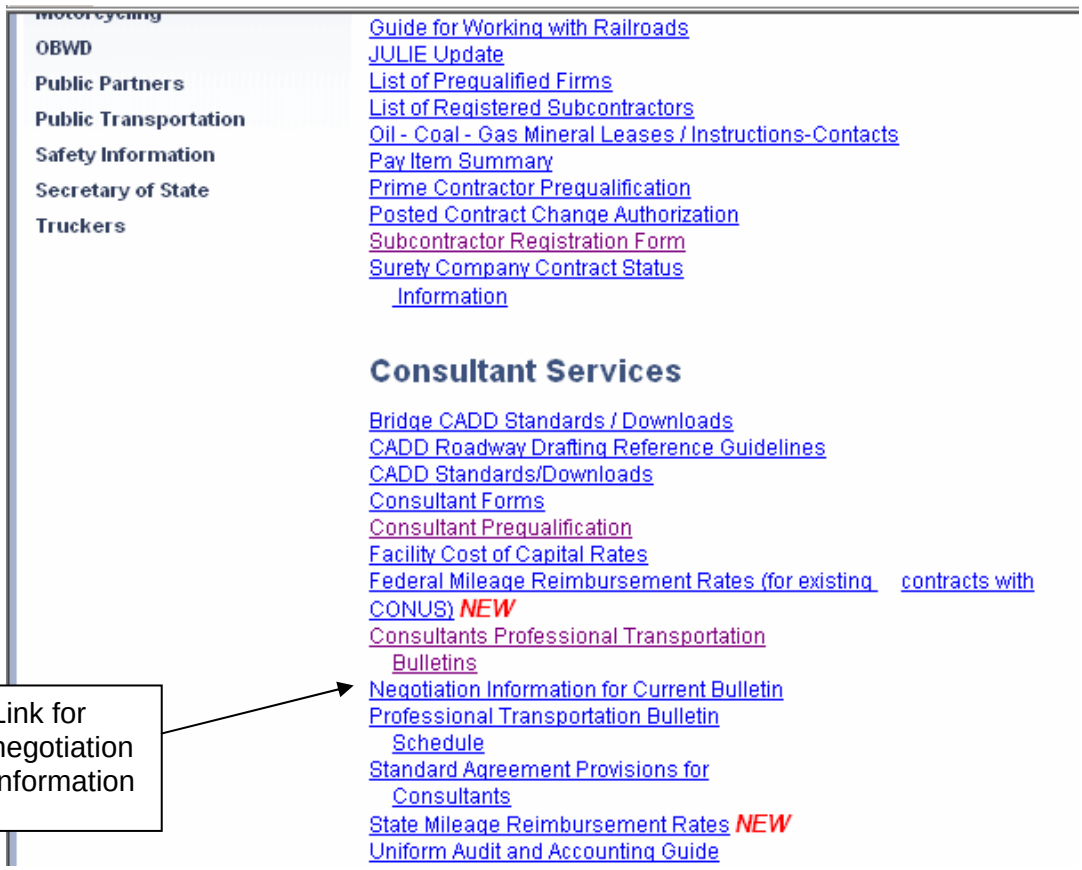
The Exhibits (A & B), Current Obligations, Disclosure Forms A & B, and Delinquent Dept Certification are available as word documents and may be downloaded from our web-site: http://www.dot.il.gov/desenv/deform.html The bookmarks in the Professional Transportation Bulletin are also linked to the website.
Use the latest documents provided on the web site. The documents are labeled as follows:

- Exhibit A = BDE XHIBIT-A
- Exhibit B = BDE XHIBIT-B
- Current Obligations = BDE CUR-OB
- Disclosure Forms (A, B, and Offerors previously submitted) = DISC 2 (consultant)
- Delinquent Dept Certification = BDE 3000

If you have questions, contact Carrie Kowalski at Carrie.Kowalski@illinois.gov

NOTICE

Proposed Negotiation Meeting information for Items will be available at the following link: http://www.dot.il.gov/dobuisns.html



- **Region 1**
- **Diane O'Keefe**
  - **District One**
    - **Items 1 - 15**

- **Region 2**
  - **George Ryan**
  - **District 2**
    - **Item 16-18**
  - **District 3**
    - **Item 19-21**

- **Region 3**
- **Joseph Crowe**
  - **District 4**
    - **Items 22-26**

- **Region 4**
- **Christine Reed**
  - **District 6**
    - **Items 27-29**

- **Region 5**
- **Mary Lamie**
  - **District 8**
    - **Items 30-31**
  - **District 9**
    Items 32- 33

- **Bureau of Bridges**
  - **Ralph Anderson**
    - **Items 34 - 39**

- **Bureau of Design & Environment**
  - **Eric Harm**
    - **Items 40-42**

- **Bureau of Construction**
  - **Roger Driskell**
    - **Items 43**

- **Bureau of Operations**
  - **Joseph Hill**
    - **Items 44-46**

ILLINOIS DEPARTMENT OF TRANSPORTATION
NOTICE
For
DISCLOSURE FORM A

This is a reminder for all firms to review their current disclosure documents. It is imperative that the Disclosure Forms submitted are current and accurate. Disclosure forms not submitted accurately can jeopardize authorization of a contract.

Take a moment and make sure the correct **"Form for Offerors That have Previously Submitted Form A"** (See below) is being submitted. If your firm has changes, the firm is required to resubmit a new "**Disclosure Form A".** If there are no changes the firm may continue to submit the **"Form for Offerors That Have Previously Submitted Form A".**

Illinois Department of Transportation

Form for Offerors That Have Previously Submitted Form A

CERTIFICATION STATEMENT SUBMITTED BY AUTHORIZED REPRESENTATIVE:

I have determined that the Form A disclosure information previously submitted is current and accurate, and all forms are hereby incorporated by reference in this offer. Any necessary additional forms or amendments to previously submitted forms are attached to this offer.

_____
(Offering Company)

_____ _____
Name of Authorized Representative (type or print) Title of Authorized Representative (type or print)

_____ _____
Signature of Authorized Representative Date

The required forms for submitting a Statement of Interest are available at: http://www.dot.il.gov/desenv/ptb/ptbforms.pdf

Introduction

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

PROFESSIONAL TRANSPORTATION BULLETIN #146
October 11, 2007

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

This bulletin is sent to each professional consultant on IDOT's prequalified list. A Professional firm who is not prequalified may obtain the necessary information and forms to become prequalified from the INTERNET at: http://www.dot.gov.il/Doing Business/Consultant Services/Consultant Prequalification.

This is not an invitation for bids. Firms properly prequalified for any of the projects listed herein may indicate their desire to be considered for selection by submitting a Statement of Interest for the project.

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

STATEMENTS MUST BE RECEIVED BY THE BUREAU OF DESIGN AND ENVIRONMENT AT THE ABOVE ADDRESS AND IF APPLICABLE, THE APPROPRIATE DISTRICT ENGINEER OR BUREAU CHIEF PRIOR TO 4:30 P.M. LOCAL TIME, October 25, 2007. STATEMENTS RECEIVED AFTER THIS TIME WILL NOT BE CONSIDERED.

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

1) Ability to complete the work in the time required and the firm's existing workload.

2) The firm's proximity to the project, when important.

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 IDOT, if applicable.

All members of the Consultant Selection Committee will be **unavailable** to discuss specifics of projects listed herein during the two-week period preceding the Selection Committee Meeting.

Departmental 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 via Overnight/Federal Express mail to members of the Consultant Selection Committee.

Guidelines for Submitting Statements of Interest (SOI)

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

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

1) A cover sheet, clearly identifying the PTB Number, Item Number, Firm Name, and IDHR number (if available, see recurring notices). No additional information is required on the cover.

2) A brief statement of the firm's interest in performing the work. (Should not be longer than 2 pages)

3) A Table of Contents with page numbers, identifying the approach, exhibits, resumes, etc.

4) Color graphics/photographs should be limited in the submittal because the size limitation on incoming e-mail is 2 MB. Photo's etc. can create a large file so use at your discretion.

5) Complete Exhibit A as follows: (This should follow the Table of Contents in the SOI)
   a) List the required key personnel to match required prequalification categories and any additional personnel requirements designated in the project advertisement.
   b) Attach resumes of all personnel listed in a) above. Individual resumes should not exceed two pages and must be relevant to the expertise required for the specific project.
   c) Designate the estimated time required to complete the project using the personnel presented. A completion date and/or number of months to complete the project should also be provided.
   d) Identify proposed subconsultants and item(s) of work they will perform. If a DBE Goal is in the advertisement list the DBE subconsultant(s) and work the firm will be performing. All Subconsultants must be prequalified in the area of work they will be performing.

6) Projects involving Location Design Studies (Reconstruction/Major Reconstruction and New Construction/Major Reconstruction) and all Environmental Reports (Environmental Assessment and Environmental Impact Statements) require completion of **Exhibit B**.

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

8) Any other information specifically requested in the project advertisement should also be included in the submittal.

9) The Instructions for completing the Current Obligation documents immediately precede the Current Obligation forms. The Current Obligation Forms should be a separate document from the SOI. Only one copy, sent to the Central Bureau of Design and Environment, is required.

10) Instructions for completing **Forms A** and **B** are included on pages 1and 2 immediately preceding **Forms A** and **B**. Disclosure Forms should be a separate document from the SOI. A cover should be provided with a statement similar to the following: *"The **Form A** disclosures (or Certification Statement) and the **Form B** disclosures are being submitted for PTB # ____, Item(s): ____."* Only one copy, sent to the Central Bureau of Design and Environment, is required. In addition, **Form B** should not include IDOT projects, since this information is already included in the **Current Obligations**.

11) The Delinquent Debt Certification is separate document. Only one document with all pertinent data is required for each prime. Instructions are included at the bottom of the Delinquent Debt document.

Guidelines for Submitting Statements of Interest (SOI)

12) Exhibit A, Exhibit B, the Current Obligations Form, Disclosure Forms and the Delinquent Debt Certification are available as word documents on our web site: http://www.dot.il.gov/desenv/deform.html.

The following addresses may be used when a hard copy of the SOI is requested to be sent to the Central Office in the advertisement:

Illinois Department of Transportation
Ms. Cheryl Cathey
Bureau of Design and Environment
Attn: Consultant Unit (Room 330)
2300 South Dirksen Parkway
Springfield, Illinois 62764

If required to be sent to the Region/District use addresses as follows:

Region 1
Ms. Diane O'Keefe
District 1
201 West Center Court
Schaumburg, IL 60196

Region 2

Mr. George Ryan
District 2
819 Depot Avenue
Dixon, IL 61021

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

Region 3

Mr. Joseph Crowe
District 4
401 Main Street
Peoria, IL 61602

Mr. Joseph Crowe
District 5
Route 133 West
P.O. Box 610
Paris, IL 61944

Region 4

Ms. Christine Reed
District 6
126 East Ash St.
Springfield, IL 62704

Ms. Christine Reed
District 7
400 West Wabash
Effingham, IL 62401

Region 5

Ms. Mary Lamie
District 8
1102 Eastport Plaza Drive
Collinsville, IL 62234

Ms. Mary Lamie
District 9
State Transportation Building
P.O. Box 100
Carbondale, IL 62903

To verify that the Department has received your Statements of Interest you may call (217)785-4784.

TABLE OF CONTENTS
PTB 146

Item #	County	Description
Region 1/District 1		
1.	Cook	Phase II work for FAI 57 (I-57) at FAI 294 (Tri-State Tollway) Interchange.
2.	Cook	Phase I work for IL 171 (First Avenue) from 47th Street to 55th Street.
3.	Cook	Phase I work for the improvement of the bridges carrying Ohio Street over Interstate 90/94 (Kennedy Expressway).
4.	Cook	Phase II work for the improvement of IL-21 (Milwaukee Avenue) South of Willow Road to North of Sanders Road.
5.	Various	Phase II Various Projects throughout District One.
6.	Various	Various projects for maintenance/construction and landscape architecture throughout District One.
7.	Various	Phase III work for various construction projects throughout District One.
8.	Various	Phase III work for various construction projects throughout District One.
9.	Various	Various quality assurance testing projects throughout District One.
10.	Various	Phase I work for preparing Drainage Studies and Hydraulic Reports for various locations in District One.
11.	Will	Land Surveys along US 30 (Lincoln Highway), East of Williams St. to IL 43 (Harlem Ave.),
12.	Will	Land Surveys along US 30 (Lincoln Highway), IL 43 (Harlem Ave.) to US 45 (96th Ave.)
13.	Will	Land Surveys along 22nd Street from IL 56 (Butterfield Road) to IL 83 (Kingery Hwy),
14.	Various	Phase II work for various traffic signal projects throughout District One.
15.	Various	Various Phase II projects throughout District One.

Region 2/District 2

16.	JoDaviess	Phase I/II engineering services for specific structure removal, replacement and/or rehabilitation.
17.	Various	Various Phase III work to provide construction inspection projects in District Two.
18.	Various	Various Phase III work to provide construction inspection projects in District Two.

Region 2/District 3

19.	Various	Phase I/II work for various structure projects throughout District Three.
20.	Various	Phase I and/or II work for various projects throughout District Three.
21.	Various	Phase III engineering services for various quality assurance testing projects throughout District Three.

Region 3/District 4

22.	Tazewell	Phase II engineering services on IL 8 from Summit Street to Legion Road in Washington.
23.	McDonough, Henderson, Knox	Phase I and/or II engineering services on IL 9 for Structure over Little Creek in McDonough County, IL 94/116 for Structure over Ellison Creek in Henderson County, and on US 34 for Structure over Walnut Creek
24.	Tazewell	Phase I/II engineering services on IL 9 for Structure over Mud Creek and on IL 116 for the Structure over Ten Mile Creek.
25.	McDonough	Phase I/II engineering services on IL 95 for the structure over BNSF Railroad and on IL 61 for the structure over the Lamoine River.
26.	Henderson, Warren, Henry	Phase I/II engineering services on IL 164 for the structure over Smith Creek in Henderson County, on US 67 for the structure over Cedar Creek in Warren County, and on IL 78 for the structure over Indian Creek (S.N. 037-0072) in Henry County.

Region 4/District 6

27.	Various	Phase III services to provide construction inspection for various projects throughout District Six.
28.	Various	Phase III services to provide construction inspection for various projects throughout District Six.
29.	Morgan & Pike	Phase I/II Engineering services which include Context Sensitive Solutions (CSS) for Structure Replacement on IL 104 over the Illinois River at Meredosia,

Region 5/District 8

30.	Various	Phase I and/or II work for various projects in District Eight.

31.	Various	Phase I and/or II work for various projects in District Eight.

Region 5/District 9

32.	Various	Various surveys throughout District Nine.
33.	Various	Phase III work for various projects throughout District Nine.

Bureau of Bridges & Structures

34.	Various	Structural Steel Shop Fabrication Inspection, Statewide.
35.	Statewide	Phase III work for Statewide Bridge Painting Inspection.
36.	Various	Engineering services for the Underwater Diving Inspection of Bridges.
37.	Various	Statewide structural engineering services required by Bureau of Bridges and Structures.
38.	Various	Statewide structural engineering services required by Bureau of Bridges and Structures.
39.	Various	Statewide structural engineering services required by Bureau of Bridges and Structures.

Bureau of Design and Environment

40.	Various	Bureau of Design and Environment Manual update.
41.	Various	Various LiDAR and Photogrammetry work throughout the State.
42.	Various	Engineering services required for Statewide Waste Assessment Investigations.

Bureau of Construction

43.	Various	Update Departmental policies and procedures including Chapter 59 of the BDE Manual and prepare course on NPDES Compliance concentrating on Plan preparation.

Bureau of Operations

44.	Various	Engineering services for traffic signal coordination and timing (SCAT) within Districts 2, 3, 4, and 5.
45.	Various	Engineering services for traffic signal coordination and timing (SCAT) within Districts 6, 7, 8 and 9.
46.	Various	Statewide sign structure inspection, various projects.

1. **Job No. D-91-066-08, FAI 57 (I-57) at FAI 294 (Tri-State Tollway) Interchange, Cook County, Region One, District One.**

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of contracting.

This project requires 20% DBE participation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 24, 2008** at **9:00 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 estimates, including TSL, structure and roadway plans for the construction of the Interchange I-57 at Tri-State Tollway and partial interchange Tri-State Tollway at IL 83 (147th St). Also included is the improvement to the Interchange I-57 at IL 83 (147th St). The Consultant will prepare plans for the widening of approximately 2.9 mile of I-57 from 3 lanes to 4 lanes, new ramps and collector-distributor roads at I-57 & I-294. The new interchanges will require numerous new bridge structures including three level structures at the main I-57 & I-294 Interchange. The project also includes removal and replacement, rehabilitation and widening of existing bridges; extensions of existing box culverts; and retaining walls. Lighting, traffic signal, signage and pavement markings, drainage compensatory storage and detention pond, noise abatement, surveillance, ramp toll plazas and control facilities and any other required work to complete the project. Coordination with local agencies including Illinois State Toll Highway Authority will be required. Work may include preparation of Phase I/Phase II engineering for interim improvements at the early stages of work. Multiple contract documents for possible staged construction of the project will be required. All work for this project will be in English units.

The following structures are included in this project:

- New bridge structures as well as three level structures at the I-57/I-294 Interchange
- Bridge structures reconstruction and improvement
- Retaining Walls with total length of approximately 4 miles with maximum height of approximately 36 ft.
- Box culverts, new and extensions

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 $300,000,000. The Consultant's work includes preparation of contract plans, specifications, cost estimate and estimates of time, including TSL, structure and roadway plans, geotechnical studies, land survey and all other work required to complete the project of the I-57 at Tri-State Tollway Interchange. The completion date for this contract will be 36 months after authorization to proceed.

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

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

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

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

- The person 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 perform/supervise the work in the area of geotechnical analysis and the preparation of the Structure Geotechnical Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of route surveying (must be an Illinois Licensed Professional Surveyor).

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

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)
Structures (Highway: Complex)

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.

2. Job No. P-91-070-08, IL 171 (First Avenue) from 47th Street to 55th Street, Cook County, Region One, District One.

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of contracting.

This project requires 15% DBE participation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 10, 2008** at **9:00 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase I services are required to perform all work associated with the preparation of preliminary engineering and environmental studies (anticipated to be processed as a Categorical Exclusion) Project Report for the improvement of IL 171 (First Avenue) from 47th Street to 55th Street.

Phase I work is anticipated to include an evaluation of the rehabilitation and/or reconstruction of IL 171 in the vicinity of I-55. The Consultant's work may include complete bridge inspections and preparation of Bridge Condition Reports for several bridges, data collection, preparation of base maps and mosaics, ground survey, accident analysis, traffic studies including interchange design studies, geometric studies, traffic maintenance analysis, drainage studies, cost estimates, public involvement and all other work necessary to complete Phase I.

Structures anticipated to be included in this project may include but are not limited to the following:

- S.N. 016-1000 (southbound First Avenue over 47th Street),
- S.N. 016-1001 (northbound First Avenue over 47th Street),
- S.N. 016-1005 (southbound First Avenue over Joliet Road),
- S.N. 016-1006 (northbound First Street over Joliet Road),
- S.N. 016-2454 (northbound First Avenue over Railroad),
- S.N. 016-2455 (southbound First Avenue over Railroad),
- S.N. 016-2456 (northbound First Avenue over DesPlaines River),
- S.N. 016-2457 (southbound First Avenue over DesPlaines River valley),
- S.N. 016-0483 (southbound First Avenue over DesPlaines River),
- S.N. 016-0985 (northbound First Avenue over DesPlaines River),
- S.N. 016-0987 (southbound I-55 ramp to northbound First Avenue),
- S.N. 016-0485 (northbound First Avenue over I-55),
- S.N. 016-0487 (northbound First Avenue over Ship Canal),
- S.N. 016-0489 (northbound First Avenue over Railroad),
- S.N. 016-1026 (southbound First Avenue ramp over DesPlaines River),
- S.N. 016-0484 (southbound First Avenue ramp to southbound I-55 over mainline I-55),
- S.N. 016-0046 (southbound First Avenue to northbound I-55 ramp over mainline I-55),
- S.N. 016-0486 (southbound First Avenue over Ship Canal),
- S.N. 016-0488 (southbound First Avenue over Railroad), and
- S.N. 016-2408 (northbound First Avenue to northbound I-55 ramp over Ship Canal).

The department will furnish the Consultant with available microfilm plans, aerial photography and/or mapping, accident data, utility coordination and correspondence, and archaeological, historical, biological and special waste survey and coordination.

The estimated construction cost for this project is $40,000,000. The completion date for this contract will be 24 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 who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the phase I report and 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 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).

Firms must be prequalified in the following categories to be considered for this project:

Structures (Highway: Advanced 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.

3. <u>Job No. P-91-071-08, I-90/94 (Kennedy Expressway) at Ohio Street, Cook County, Region One, District One.</u>

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of contracting.

This project requires 15% DBE participation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 15, 2008** at **9:00 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase I services are required to perform all work associated with the preparation of preliminary engineering and environmental studies (anticipated to be processed as a Categorical Exclusion) Project Report for the improvement of the bridges carrying Ohio Street over I-90/94.

Phase I work is anticipated to include an evaluation of the rehabilitation and/or reconstruction of Ohio Street over I-90/94. The Consultant's work may include complete bridge inspections and preparation of Bridge Condition Reports, data collection, preparation of base maps and mosaics, ground survey, accident analysis, traffic studies including interchange design studies, geometric studies, traffic maintenance analysis, drainage studies, cost estimates, public involvement and all other work necessary to complete Phase I.

Structures anticipated to be included in this project may include but are not limited to the following:

- S.N. 016-1003 (westbound Ohio St. to southbound I-90/94 ramp over I-90/94 mainline)
- S.N. 016-2573 (westbound Ohio St. to southbound I-90/94 ramp over westbound Ohio St. to northbound I-90/94 ramp).

The department will furnish the Consultant with available microfilm plans, aerial photography and/or mapping, accident data, utility coordination and correspondence, and archaeological, historical, biological and special waste survey and coordination.

The estimated construction cost for this project is $6,000,000. The completion date for this contact will be 24 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 who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the phase I report and 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 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).

Firms must be prequalified in the following categories to be considered for this project:

Structures (Highway: Complex)
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.

4. <u>Job No. C-91-048-02, IL-21 (Milwaukee Ave.) Willow Rd. to North of Sanders Rd., Construction Inspection, Cook County, Region One/District One.</u>

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of compensation.

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 **January 24, 2008** at **8:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase III engineering services are required for the improvement IL-21 (Milwaukee Ave.) south of Willow Rd. to Sanders Rd. The proposed improvement includes but is not limited to reconstruction of IL-21 (Milwaukee Ave.) to provide a 2-lane section in each direction with a continuous center median. The proposed improvement includes construction of new jointed PCC Pavement, realignment of US 45 (Des Plaines River Road) at the IL-21 intersection, storm sewers & drainage structures, traffic signal modernization, lighting, landscaping and bridge replacement of IL-21 over the Des Plaines River. All work for this project will be in English units.

The following structures are included in this project:

- S.N. 016 – 6566 (IL-21 over the Des Plaines River)
- S.N. 016 – 0242 (This structure is being replaced by S.N. 016-6566)

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 in from the same plant are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The estimated construction cost for this project is $14,900,000. 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 adequate staff to perform the duties required to fulfill the engineering requirements in accordance with departmental policies.

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 construction completion date is expected to be May 15, 2009 + 10 working days. The Consultant must complete and submit final measurements, calculations and final contract records documents to the department no later than 6 weeks after the completion of the construction.

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

- The Liaison Engineer.
- 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 QA Technician.
- The Survey Chief.

Firms 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.

5. <u>Job No. D-91-058-08, Various Phase II Projects, Various Routes, Various Counties, Region One/District One.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 16, 2008** at **1:30 P.M.** at the Region One/District One Office in **Schaumburg.**

Phase II engineering services are required for plan preparation, plan review and route surveying on various projects in District One and may also include Program Development Training. Work orders under the blanket agreement will be negotiate and authorized by the Department on an as-needed basis. All work for this project will be in English units.

The Consultant's work may include contract plan preparation for various projects involving roadway and/or bridge improvements, preparation of miscellaneous structure details, review of plans by consultants and local agency Consultants for roadway and bridge reconstruction projects and providing supplemental field surveying for various projects.

The department will furnish the Consultant with available microfilm, bridge repair survey notes, patching surveys and other available information.

It is anticipated that this contract will include involvement with the preparation of 10 to 12 contract plans, review of 10 to 20 plan sets with an approximate construction cost ranging from $1,000,000 to $15,000,000. The completion date for this contract will be 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional 12 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 assume 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 (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 plans (must be an Illinois Licensed Professional Engineer).

- The person who will perform/supervise the work in the area of route surveying (must be an Illinois Licensed Professional Surveyor or Illinois Licensed Professional Engineer).

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

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Structures (Highway Bridges: Typical)
Special Services (Route Survey)

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.

6. <u>Job No. C-91-068-08, Various Projects for Maintenance/Construction Engineering and Landscape Architecture, Various Counties, Region One, District One.</u>

This project will utilize the **Direct Labor Multiple** (**DLM**) method of contracting.

This project requires 20.00% 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 **January 16, 2008** at **10 A.M.** at the Region One, District One Office in **Schaumburg**.

Phase III engineering services are required to assist department landscape architects/technicians on various roadside vegetation construction and maintenance projects throughout District One. Two to eight landscape architects/technicians are anticipated to be required during the 2008 and 2009 construction seasons. Typical assignments include but are not limited to attending preconstruction meetings and progress meetings for various tree trimming/removal, weed control and landscape construction projects, field inspection and preparation of work orders, check traffic control, inspection of plant materials, and construction documentation. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project will be in English units.

The department will furnish the Consultant with contract plans and specifications.

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

The estimated construction cost of these projects may range from $200,000 to $1,000,000. The Consultant's work includes but is not limited to providing staff, cell phones, GPS and other equipment, and vehicles with appropriate traffic control for personnel use traveling to layout and inspect work on IDOT routes and travel to nurseries for material inspections. The duration of time spent at a single location varies as a function of the work performed. 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.

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

- Project Manager

- 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.)**

- Registered Landscape Architect **(Include License Number)**

Firms must be prequalified in the following categories to category to be considered for this project:

Special Services (Construction Inspection)
Special Services (Landscape Architecture)

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.

7. <u>Job No. C-91-056-08: Phase III Various Projects, Various Routes, Various Counties, Region One, District One.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

This project requires 20.00% 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 **January 24, 2008** at **2:00 P.M.** at the Region One, District One Office in **Schaumburg.**

Phase III engineering services are required to assist department resident engineers/technicians on various construction projects throughout the District One. Four to twelve engineers and /or engineering technicians are anticipated to be required during the 2008 & 2009 construction seasons. Typical assignments may include general construction inspection and documentation, including PCC & bituminous concrete paving operations, drainage, patching, bridge structures, and bridge painting and providing general assistance as a member of a field crew. Survey/layout services may also be required. This work may be in either English or metric units.

The department will furnish the Consultant with contract plans and specifications.

The Consultants work includes but is not limited to providing staff, cell phones and vehicles for personnel use on construction sites and for traveling between projects. The duration of time spent at a single location would vary as a funtion of work assignment needs.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The personnel shall have a good working knowledge of Department Specifications for Road and Bridge Construction, the Department Construction Manual and documentation and in inspection procedures. The completion date for this contact will be October 31, 2009.

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

- Project Manager
- 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.**)
- Inspectors

Firms 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.

8. Job No. C-91-055-08: Phase III Various Projects, Various Routes, Various Counties, Region One/District One.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

This project requires 20.00% 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 **January 24, 2008** at **10:00 A.M.** at the Region One/District One Office in **Schaumburg.**

Phase III engineering services are required to assist department resident engineers/technicians on various construction projects throughout the District One. Four to twelve engineers and /or engineering technicians are anticipated to be required during the 2008 & 2009 construction seasons. Typical assignments may include general construction inspection and documentation, including PCC & bituminous concrete paving operations, drainage, patching, bridge structures, bridge painting and providing general assistance as a member of a field crew. Survey/layout services may be required. This work may be in either English or metric units.

The department will furnish the Consultant with contract plans and specifications.

The Consultants work includes but is not limited to providing staff, cell phones and vehicles for personnel use on construction sites and for traveling between projects. The duration of time spent at a single location would vary as a funtion of work assignment needs.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The personnel shall have a good working knowledge of Department Specifications for Road and Bridge Construction, the Department Construction Manual and documentation and in inspection procedures. The completion date for this contact will be October 31, 2009.

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

- Project Manager
- 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.**)
- Inspectors

Firms 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.

9. Job No. C-91-069-08, Various Quality Assurance Testing Projects, Various Counties, Region One, District One.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 23, 2008** at **10:00 A.M.** at the District One Office in **Schaumburg.**

Phase III engineering services are required to perform the quality assurance responsibilities of hot-mix asphalt (HMA), Portland cement concrete (PCC) construction, Aggregate Gradation Control System (AGCS) and pipe and precast producers. The project includes Complete Quality Assurance Testing in accordance with the Standard Specifications for Road and Bridge Construction, Policy Memorandum 05-01 and any appropriate contract special provisions and plan notes or details. This is an "on call" contract. All costs will be delineated in the blanket agreement. All work for this project will be in English units.

The department will furnish the Consultant with daily assignments to various construction jobsites, bituminous or concrete plants, and pipe and precast facilities.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The Consultant's work includes plant and on-site inspections, sampling and material testing. The Consultant will carry out quality assurance duties as defined in the construction contract, Policy Memorandum 05-01 and the Consultant agreement. The Consultant will maintain records and submit documentation of all QC and QA activities required by the construction contract and Policy Memorandum 05-01. 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 Liaison Engineer who will assume duties as project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person(s) who will be in charge of QA Lab and Field Testing.
- QC/QA Level 1 and Level II (HMA and PCC) Testing Technicians.
- The Materials QA Technician.

Firms must be prequalified in the **Special Services (Quality Assurance)** 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.

10. <u>Job No. P-91-062-08, Various Phase I Engineering for Drainage Studies and Hydraulic Reports, Various Counties, Region One, District One.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 17, 2008** at **10:30 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase I engineering services are required for preparing drainage studies and hydraulic reports for various locations in District One and may also include Program Development Training. Typically, the studies and reports will be completed in conjunction with Project Reports prepared by the Project and Environmental Studies Section. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project will be in English units.

Joint ventures are not allowed under this contract.

The Consultant's work includes data collection, roadway survey, stream survey, survey note reductions/plotting, drainage investigations, determination of drainage systems and patterns, field verifications, storm sewer televising, drainage system design, presentations and coordination with local agencies, bridge scour evaluation, development of Waterway Information Tables, hydrologic/hydraulic analyses, hydraulic reports for waterways and pump stations.

All documentation and the supporting computations are to be presented in the study/report format as appropriate. Preparation of Location Drainage Studies shall be in accordance with the District requirements.

The department will furnish the Consultant with historical highway plans, aerial mosaic, ground surveys, hydraulic stream surveys, contour mapping, flood insurance studies, floodplain maps, and information about known drainage problems, if available.

The completion date for this contract will be **June 01, 2010**.

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 QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Studies and Hydraulic Reports (must be an Illinois Licensed Professional Engineer with a minimum of five (5) years experience dealing with highway related drainage problems).

The use of hydraulic and hydrologic computer programs that are currently accepted by the Division of Highways is also required to perform drainage assignments. Resumes of drainage engineers must meticulously state hydraulic and hydrologic modeling.

Firms must be prequalified in the following categories to be considered for this project:

Special Studies (Location Drainage)
Hydraulic Reports (Waterways: Complex)
Hydraulic Reports (Pump Stations)

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

11. Job No. R-91-016-01, US 30 (Lincoln Highway), East of Williams St. to IL 43 (Harlem Ave.), Land Surveys, Will County, Region One, District One.

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of compensation.

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

The Consultant who is selected for this project is scheduled to attend an initial meeting on **January 11, 2008** at **10:30 am** at the District One Office in **Schaumburg.**

Phase II engineering services are required for land surveying services to prepare Land Acquisition documents for approximately 100 parcels along US 30 from East of Williams St. to IL 43, which is about Station 127+00 to approximately Station 253+30. All work for this project will be in English units.

The department will furnish the Consultant with alignment data, title reports, existing right-of-way plats, proposed right-of-way requirements.

The Consultant's work includes field and office resources to prepare a statutory Plat of Highway, legal descriptions and field staking of same. This work must be completed within 90 days after authorization to proceed.

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

- The person who will perform/supervise the work in the area Land Surveying (must be an Illinois Licensed Professional Surveyor).

Firms must be prequalified in the **Special Services (Land Surveys)** 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.

12. Job No. R-91-016-01, US 30 (Lincoln Highway), IL 43 (Harlem Ave.) to US 45 (96th Ave.) Land Surveys, Will County, District One.

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of compensation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 11, 2008** at **1:00 P.M.** at the Region One, District One Office in **Schaumburg.**

Phase II engineering services are required for land surveying services to prepare land acquisition documents for approximately 100 parcels along US 30 from Harlem Ave. to 96th St., which is about Station 253+30 to approximately Station 417+50 in Will County. All work for this project will be in English units.

The department will furnish the Consultant with alignment data, title reports, existing right-of-way plats, proposed right-of-way requirements.

The Consultant's work includes field and office resources to prepare a statutory Plat of Highway, legal descriptions and field staking of same. This work must be completed within 90 days after authorization to proceed.

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

- The person who will perform/supervise the work in the area Land Surveying (must be an Illinois Licensed Professional Surveyor).

Firms must be prequalified in the **Special Services (Land Surveys)** 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.

13. Job No. R-91-005-08, 22nd Street, IL 56 (Butterfield Road) to IL 83 (Kingery Hwy), Land Surveys, Will County, Region One, District One.

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of compensation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 11, 2008** at **2:30 P.M.** at the Region One, District One Office in **Schaumburg.**

Phase II engineering services are required for land surveying services to prepare Land Acquisition documents for approximately 38 parcels along 22nd Street from IL 56 (Butterfield Road to IL 83 (Kingery Hwy) in Cook County. All work for this project will be in English units.

The department will furnish the Consultant with alignment data, title reports, existing right-of-way plats, proposed right-of-way requirements.

The Consultant's work includes Field and office resources to prepare a statutory Plat of Highway, legal descriptions and field staking of same. The completion date for this contract will be 90 days after authorization to proceed.

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

- The person who will perform/supervise the work in the area Land Surveying (must be an Illinois Licensed Professional Surveyor).

Firms must be prequalified in the **Special Services (Land Surveys)** 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.

14. <u>Job No. D-91-067-08, Phase II Various Traffic Signal Projects, Various Routes, Various Counties, Region One, District One.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 16, 2008** at **9:00 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase II engineering services are required for all work associated with the complete preparation of plans, special provisions and estimates for traffic signal projects in District One and may also include Program Development Training. 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 functions and calculations, including time space diagrams where traffic signals will be interconnected. Traffic signal design shall conform to current issues of the following: State Standard Specifications, MUTCD for streets and highways, and all applicable NEC, NEMA, AASHTO, FHWA and District 1 Standards and Guidelines. Work order under the blanket agreement will be negotiated and authorized by the department on an as needed basis. Work for this project may be in English or metric units.

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. Completion dates will vary also. 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 and modernization. The Traffic Signal Engineer shall have working knowledge and extensive experience in traffic signal design and operation in IDOT Region One/District One (must be an Illinois Licensed Professional Engineer).

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

Statement of Interest must also include the Consultant's relevant traffic signal projects completed by the firm for IDOT Region One/District One within the past four years by members

of the consultant's current key personnel staff as listed above. The Statements of Interest shall list all applicable projects.

Firms 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.

15. **<u>Job No. D-91-076-08, Phase II Various Projects, Various Routes, Various Counties, Region One, District One.</u>**

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

This project requires 20.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiating meeting on **January 16, 2008** at **10:00 A.M.** at the Region One, District One Office in **Schaumburg.**

Phase II engineering services are required for preparation of contract plans and specifications for structure work and related roadway work including 3-P projects for various projects throughout District One and may also include Program Development Training. Work orders under a blanket agreement will be negotiated and authorized by the Department on as needed basis. All work for this project will be in English units.

The department will furnish the Consultant with copies of project report, location drainage study, bridge condition report, available microfilm plans, pavement design, right-of-way plans, and any other available information.

The estimated individual construction cost for these projects may range from $200,000 to $10,000,000.

The Consultant's work may include field surveys, geotechnical borings and analysis, electrical engineering, and the preparation of bridge replacement plans, bridge repair plans, multiple and single cell box culvert replacement or extension plans, retaining wall plans, and general structural work plans and 3-P improvement plans. The Consultant's work may also include contract plans, special provisions, and estimates and construction codes including highway drainage design, erosions control plans, and all other work as assigned.

Also, the Consultant shall prepare the TS&L drawings and structure plans as required for bridge replacement, bridge rehabilitation, bridge repairs, multiple or single cell culvert repairs, replacements or extensions, retaining wall new construction, replacements or repairs, junctions boxes, headwalls, permanent sheet piles and general structures.

The completion date for this contract will be 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional twelve 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 perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Licensed Surveyor or Illinois Licensed Professional Engineer).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & 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.

16. <u>Job No. P-92-089-05 and P-92-026-06 FAP 308 (IL 84), Phase I/II Engineering Services for Structure Removal, Replacement and/or Rehabilitation, JoDaviess County, Region Two, District Two.</u>

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of contracting.

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

This project requires 15% DBE participation.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 15, 2008,** at **10:00 A.M.** at the Region Two, District Two Office in **Dixon**.

Phase I and II engineering services are required for the preparation of a Location/Design Report and final contract plans for the removal and replacement of three structures. The Location/Design report is for the removal and replacement of two structures that carry IL 84 over Duke Creek located at the N. edge of Hanover and IL 84 over a Tributary of Apple Creek, located 2.0 miles S. of Hanover. Phase II is required for the rehabilitation of a structure that carries IL 84 over Irish Hollow Creek, 2.3 miles S. of US 20. It is anticipated that these projects will be Categorical Exclusions. All work will be performed in English units.

These projects may include preparation of Location/Design Report, traffic management analysis, cost estimate, cross sections, accident analysis, type, size and location drawings, proposed right-of-way plats, contract plans including roadway plans, drainage plans, and traffic signal plans; drainage system design; special details; special provisions; quantities and cost estimates; and field surveys as needed.

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

- S.N. 043-0027 – IL 84 over Duke Creek
- S.N. 043-0038 – IL 84 over a Tributary to Apple Creek
- S.N. 043-0037 – IL 84 over Irish Hollow Creek

The department will furnish the Consultant with any available as-built/existing plans; microfilm plans; aerial survey; bridge condition reports, accident statistics, existing right-of-way plats; traffic data, soils boring data, and any other available information.

The estimated construction cost for this project is $2,475,000. The completion date for Phase I will be 15 months after authorization to proceed. Phase II will be negotiated near the completion of Phase I. Phase II work must be completed within 12 months after authorization to proceed with Phase II.

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 land surveys (must be an Illinois Licensed Professional Surveyor).

- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer or an Illinois Licensed Professional Surveyor).

- 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).

Firms must be prequalified in the following category to be considered for this project:

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

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

17. <u>Job No. C-92-017-08, Phase III Work for Various Projects, Various Counties, Region Two, District Two.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

This project requires a 12.00% 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 **January 17, 2008** at **10:00 A.M.** at the Region Two, District Two Office in **Dixon.**

Phase III engineering services are required to provide construction inspection for various projects in District Two. 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 either English or metric units.

The Consultant will provide sufficient staff to perform all of the engineering serviced required to complete these projects. The project may include the inspection and documentation of pay quantities, on-site material testing and material quality assurance testing, construction staking layout as required, and all other work required to complete the project. The Consultant will be responsible for the completion of the work in accordance with the plans and specifications.

The Consultant will assist the Resident Engineer with all documentation of the project. The various proposed projects may consist of patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, vertical/horizontal realignment and/or new roadway projects.

The department will furnish the Consultant with a Resident Engineer for the project, all necessary plans, specifications, related forms for record keeping. It is anticipated that the department will do all off site material inspection for the project.

The Consultant will be required to complete and submit final measurements, calculations and contract record documents to the department no later than six (6) weeks after the completion of the project.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The estimated construction cost for this project is $2,500,000. The various projects are scheduled for construction during Calendar years 2008 and 2009 construction seasons. The completion date for this project will be completed 30 months after authorization to proceed.

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

- The Liaison Engineer.

- The Materials Coordinator.

- The 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 Materials QA Technician.

- The Survey Chief.

Firms 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.

18. <u>Job No. C-92-016-08, Phase III Work for Various Projects, Various Counties, Region Two, District Two.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

This project requires a 12.00% 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 **January 16, 2008** at **10:00 A.M.** at the Region Two/District Two Office in **Dixon.**

Phase III engineering services are required to provide construction inspection for various projects in District Two. 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 either English or metric units.

The Consultant will provide sufficient staff to perform all of the engineering serviced required to complete these projects. The project may include the inspection and documentation of pay quantities, on-site material testing and material quality assurance testing, construction staking layout as required, and all other work required to complete the project. The Consultant will be responsible for the completion of the work in accordance with the plans and specifications.

The Consultant will assist the Resident Engineer with all documentation of the project. The various proposed projects may consist of patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, widening and resurfacing, vertical/horizontal realignment and/or new roadway projects.

The department will furnish the Consultant with a Resident Engineer for the project, all necessary plans, specifications, related forms for record keeping. It is anticipated that the department will do all off site material inspection for the project.

The Consultant will be required to complete and submit final measurements, calculations and contract record documents to the department no later than six (6) weeks after the completion of the project.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The estimated construction cost for this project is $2,500,000. The various projects are scheduled for construction during Calendar years 2008 and 2009 construction seasons. The completion date for this contract will be 30 months after authorization to proceed.

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

- The Liaison Engineer.

- The Materials Coordinator.

- The 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 Materials QA Technician.

- The Survey Chief.

Firms 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.

19. <u>Job No. D-93-008-08, Phase I/II Various Structure Projects, Various Routes, Various Counties, Region Two, District Three.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

This project requires a 10.00% 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 **January 11, 2008** at **10:00 A.M.** at the Region Two, District Three Office in **Ottawa**.

Phase I and II engineering services are anticipated for the preparation of contract plans, special provisions and estimates for structures throughout District Three and may also include Program Development Training. Work orders under the blanket agreement will be negotiated and authorized on an as needed basis. All work for this contract will be in English units.

Phase I and II engineering services are anticipated to include preparing Bridge Condition and Hydraulic Reports, conducting route surveys (including full hydraulic surveys), type, size and location (TS&L) drawings and bridge repair plans. The work required may also include performing drainage studies, preparing bridge & roadway plans, preparing traffic control plans, special provisions, cost estimates and any other work necessary to complete final contract plans and documents.

It is anticipated this contract will include approximately 4 different projects with estimated construction costs ranging up to $2,000,000. The engineering services required may consist of only a portion of the total engineering work on any certain project.

The department will furnish the Consultant with any available plans, approved Phase I reports, field notes, traffic data, accident statistics, agency coordination, existing right of way plans, aerial photographs, boring logs, existing Bridge Condition & Hydraulic Reports, structure ratings and other information.

The completion date for this contact will be 24 months after authorization to proceed. The agreement with the Consultant will include 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 contract documents (must be an Illinois Licensed professional Engineer).

- The person who will perform/supervise the work in the area of hydraulic analysis and the preparation of the Hydraulic Reports (must be an Illinois Licensed Professional Engineer).

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

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

- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & 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.

20. <u>Job No. P-93-011-08, Phase I and/or II Work for Various Projects, Various Routes, Various Counties, Region Two/District Three.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

This project requires a 10.00% DBE Participation.

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 **January 11, 2008 at 2:00 P.M.** in the Region Two/District Three Office in **Ottawa.**

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

The Phase I work, if required, may consist of conducting route surveys, land surveys, hydraulic surveys, hydraulic analysis, geometric studies, environmental studies, preparing Project Reports, and preparing and/or reviewing geotechnical reports including soils, pavement and foundation recommendations. This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analysis, bridge condition reports, preparing and/or reviewing hydraulic reports, type, size and location drawings, and other related work and exhibits necessary to produce the Project Reports.

The Phase II work, if required, may consist of conducting route surveys, land surveys, hydraulic analysis, geometric studies, preparation of type, size and location drawings, structure plans, roadway plans, and any other related work to complete final plans, specifications and estimates as necessary.

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

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

It is anticipated this contract will include approximately three (3) to fifteen (15) different projects with estimated construction costs ranging up to $10,000,000. 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 24 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 24 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 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).

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies (Rehabilitation)
Highways (Road & Streets)
Structures (Highway Bridges: Typical)
Special Studies (Location Drainage)

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

21. <u>Job No. C-93-023-08, Various Quality Testing Projects, Various Counties, Region Two, District Three, Ottawa.</u>

This project will utilize the **Direct Labor Multiple (DLM**) method of compensation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 11, 2008 at 10:00 A.M.** at the Region Two, District Three office in **Ottawa.**

Phase III engineering services are anticipated to perform the quality assurance inspection responsibilities of prestressed and precast producers, and possibly other quality assurance testing assignments. The project includes Quality Assurance Testing in accordance with the <u>Standard Specifications for Road and Bridge Construction</u>. Work orders under the blanket agreement will be negotiated and authorized by department on an as needed basis. All work for this project will be in English units.

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

The Consultant's work is anticipated to include:

- The daily QA inspection of Prestress Engineering Corporation (PEC) located at 15606 E. 3200 North Road, Blackstone, IL 61313.

  The Consultant will complete all of the duties of the department inspector as detailed in the *Manual for Precast Prestressed Concrete Products*, section 1.3 Quality Assurance. Additionally, the Consultant QA plant inspector must be PCI certified and must have completed all relevant QC/QA training or if not certified must be registered to become PCI certified. The inspector(s) must have completed or be registered for the following training courses:

  1. IDOT 3-day Mixture Aggregate Technician or 5-day Aggregate Technician Course
  2. ACI Concrete Field Testing Technician – Grade I
     - The Consultant is not required to take the IDOT only portion (1st day) of the three day training class. The ACI portion is taught on the second and third days.
     - The Consultant is advised to check with PCI regarding the completion of the ACI training in order to take the PCI training.
  3. PCI Level I & II – Quality Control Personnel Certification Program

- Providing on-site QA inspection of out-of-state prestressed and precast producers on an as-needed basis within the jurisdiction of District 3.

  The Consultant will complete all of the duties of the department inspector. The Consultant QA plant inspector will complete all relevant QC/QA training and complete all duties as detailed in the *Manual for Precast Prestressed Concrete Products*, section 1.3 Quality Assurance. For prestress facilities, the Consultant QA plant inspector must be PCI certified and must have completed all relevant QC/QA training or if not certified must be registered to

become PCI certified. The inspector(s) must have completed or be registered for the following training courses:

1. IDOT 3-day Mixture Aggregate Technician or 5-day Aggregate Technician Course
2. ACI Concrete Field Testing Technician – Grade I
    - The Consultant is not required to take the IDOT only portion (1st day) of the three day training class. The ACI portion is taught on the second and third days.
    - The Consultant is advised to check with PCI regarding the completion of the ACI training in order to take the PCI training.
3. PCI Level I & II – Quality Control Personnel Certification Program

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

For information concerning the course for item 3 contact the following:
PCI
209 W. Jackson Blvd. # 500
Chicago, IL 60606
Phone # 312-786-0300

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

The completion date for this contract will be 24 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 24 months.

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

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

- QC/QA Level 1 and Level II PCC Testing Technicians.

- Materials QA Technicians.

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

Firms must be prequalified in the **Special Services (Quality Assurance Testing)** 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.

22. Job No. D-94-003-04, FAP 399 (IL 8), Summit Street to Legion Road in Washington in Tazewell County in Region Three,District Four

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of contracting.

This project requires 25.00% 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 **January 15, 2008** at **1:30 P.M.** at the Region Three, District Four Office in **Peoria.**

Phase II engineering services are required for work on IL 8 from Summit St. to Legion Rd. in Washington. The work includes route survey (pick-up), land surveys, highway drainage design, roadway plans, staging plans, traffic signal plan, necessary right-of-way documents and any other related work necessary to complete final plans, special provisions and estimates for the reconstruction project that is approximately 1.3 miles in length.

The department will furnish the Consultant with the surveys, old plans, existing right-of-way plans, Soil Report and approved State Improvement Report.

The estimated construction cost for these jobs is $16,500,000. The completion date for this contract will be 24 months after the 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, the individual in charge who is directly involved in the development of contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will be in charge of land surveys (must be an Illinois Licensed Land Surveyor).
- The person who will perform the QC/QA review of the work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Special Services (Route Surveys)

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.

23. <u>Job Nos. P-94-041-06, P-94-010-07, D-94-022-07, and P-94-038-06: FAP 685 (IL 9) Structure over Little Creek in McDonough County, FAP 534 (IL 94/116) Structure over Ellison Creek in Henderson County, FAP 37 (US 34) Structure over Walnut Creek in Knox County in Region Three, District Four</u>

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of contracting.

This project requires 25.00% 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 **January 10, 2008** at **9:00 A.M.** at the Region Three, District Four Office in **Peoria**.

Phase I engineering services are required for the preparation of Project Reports (anticipated to be Categorical Exclusions) for the removal and replacement of multiple structures. All work for these projects will be in English units.

The following structures are included in this project:

- S.N. 055-0012 on IL 9 over Little Creek at the west corporate limit of Blandinsville
- S.N. 036-0004 on IL 94/116 over Ellison Creek 1.8 miles north of Stronghurst
- S.N. 048-0038 on US 34 over Walnut Creek at south corporate limit of Altona

The Consultant's work is anticipated to include preparing the Bridge Condition, Structure Geotechnical, and Hydraulic Reports, conducting route and land surveys (including a full hydraulic survey), performing simple environmental assessments, preparing a Structure Report, and preparing type, size and location (TS&L) drawings for the replacement structure. Also, this work may include data collection, cost estimates, traffic management analysis, and accident analysis, inspection of existing structures to determine staging possibilities, and other related work and exhibits to produce the Project Reports, as necessary.

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

The Consultant will perform the hydraulic calculations for Hydraulic Reports using one or both of the computer programs, WSPRO or HEC-RAS.

The estimated construction cost for these jobs are $660,000, $900,000 and $955,000 respectively. The completion date for the Phase I work for this contract will be completed 12 months after the authorization to proceed.

Phase II engineering services will be required for Structure No. 036-0004. The Consultant will obtain survey data to prepare plats and legal descriptions for additional right-of-way, if required. The work required will also include performing drainage studies, preparing bridge and roadway plans, preparing traffic control plans and any other work necessary to complete final contract plans and documents.

The completion date for the Phase II work will be 12 months after authorization to proceed.

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

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, the individual in charge who is directly involved in the development of contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of hydraulic analysis and the preparation of the Hydraulic Reports (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of structural engineering (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 geotechnical analysis and the preparation of the Structure Geotechnical Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review of all milestone submittal of documents (must have adequate plan review experience and be an Illinois Licensed Professional Engineer for roadway work and/or an Illinois Licensed Structural Engineer for structural work).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Land Surveyor).
- The person who will be in charge of land surveys (must be an Illinois Licensed Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies: (Rehabilitation)
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.

24. Job Nos. P-94-035-07, D-94-091-07 P-94-049-06 and D-94-140-06: FAP 693 (IL 9) Structure over Mud Creek in Tazewell County, FAP 673 (IL 116) Structure over Ten Mile Creek in Tazewell County in Region Three, District Four

This project will utilize the **Cost Plus Fixed Fee (CPFF**) method of contracting.

This project requires 25.00% 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 **January 11, 2008** at **9:00 A.M.** at the Region Three, District Four Office in **Peoria**.

Phase I/II engineering services are required for the preparation of Project Reports (anticipated to be Categorical Exclusions) and contract plans for the removal and replacement of structures. All work for these projects will be in English units.

The following structures are included in this project:

- S.N. 090-0062 on IL 9 over Mud Creek, 2.5 miles west of Mackinaw
- S.N. 090-0065 on IL 116 over Ten Mile Creek north of IL 26

The Consultant's work is anticipated to include preparation of the Bridge Condition & Hydraulic Reports, Structure Geotechnical Reports, conducting route and land surveys (including a full hydraulic survey), performing simple environmental assessments, preparing a Structure Report, and preparing type, size and location (TS&L) drawings for the replacement structure. Also, this work may include data collection, cost estimates, traffic management analysis, and accident analysis, inspection of existing structures to determine staging possibilities, and other related work and exhibits to produce the Project Reports, as necessary. The Consultant will also obtain survey data to prepare plats and legal descriptions for additional right-of-way, if required. The work required will also include performing drainage studies, preparing bridge and roadway plans, preparing traffic control plans and any other work necessary to complete final contract plans and documents.

The department will furnish the Consultant with any available plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photographs, boring logs, structure ratings, the Bridge Condition Report for S.N. 090-0065 and other available information.

The Consultant will perform the hydraulic calculations for Hydraulic Reports using one or both of the computer programs, WSPRO or HEC-RAS.

The estimated construction cost for these jobs are $1,430,000 and $1,450,000 respectively. The completion date for Phase I work for this contract will be completed in 12 months after the authorization to proceed. The completion date for Phase II work will be completed 12 months after authorization to proceed with Phase II.

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, the individual in charge who is directly involved in the development of contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of hydraulic analysis and the preparation of the Hydraulic Reports (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of structural engineering (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 geotechnical analysis and the preparation of the Structure Geotechnical Report (must be an Illinois Licensed Professional Engineer or an Illinois Licensed Structural Engineer).
- The person who will perform the QC/QA review of all milestone submittal documents (must have adequate plan review experience and be an Illinois Licensed Professional Engineer for roadway work and/or an Illinois Licensed Structural Engineer for structural work).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Land Surveyor).
- The person who will be in charge of land surveys (must be an Illinois Licensed Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies: Rehabilitation
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.

25 **Job Nos. P-94-007-07, D-94-020-07, P-94-014-05 and D-94-064-05: FAP 687 (IL 95) Structure over BNSF Railroad and FAP 542 (IL 61) Structure over the Lamoine River in McDonough County in Region Three, District Four.**

This project will utilize the **Cost Plus Fixed Fee (CPFF**) method of contracting.

This project requires 25.00% 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 **January 15, 2008** at **9:00 A.M.** at the Region Three, District Four Office in **Peoria**.

Phase I/II engineering services are required for the preparation of Project Reports (anticipated to be Categorical Exclusions) and contract plans for the removal and replacement of structures. All work for these projects will be in English units.

The following structures are included in this project:

- S.N. 055-0017 on IL 95 over the BNSF Railroad, east of IL 41
- S.N. 055-0010 on IL 61 over the Lamoine River one mile south of Colmar

The Consultant's work is anticipated to include preparing the Bridge Condition, Hydraulic, and Structure Geotechnical Reports, conducting route and land surveys (including a full hydraulic survey), performing simple environmental assessments, preparing a Structure Report, and preparing type, size and location (TS&L) drawings for the replacement structure. Also, this work may include data collection, cost estimates, traffic management analysis, and accident analysis, inspection of existing structures to determine staging possibilities, and other related work and exhibits to produce the Project Reports, as necessary. The Consultant will also obtain survey data to prepare plats and legal descriptions for additional right-of-way, if required. The work required will also include performing drainage studies, preparing bridge and roadway plans, preparing traffic control plans and any other work necessary to complete final contract plans and documents.

The department will furnish the Consultant with any available plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photographs, boring logs, structure ratings, Bridge Condition and Hydraulic Reports for Structure No. 055-0010,and other available information.

The Consultant will perform the hydraulic calculations for Hydraulic Reports using one or both of the computer programs, WSPRO or HEC-RAS.

The estimated construction cost for these jobs are $975,000 and $2,625,000 respectively. The completion date for Phase I work for this contract will be 12 months after the authorization. The completion date for Phase II work for this contract will be 12 months after authorization to complete Phase II.

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, the individual in charge who is directly involved in the development of contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of hydraulic analysis and the preparation of the Hydraulic Reports (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of structural engineering (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 geotechnical analysis and the preparation of the Structure Geotechnical Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review of all milestone submittal documents (must have adequate plan review experience and be an Illinois Licensed Professional Engineer for roadway work and/or an Illinois Licensed Structural Engineer for structural work).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Land Surveyor).
- The person who will be in charge of land surveys (must be an Illinois Licensed Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies: (Rehabilitation)
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.

26. Job Nos. P-94-038-07, D-94-096-07, P-94-040-06, D-94-130-06, P-94-004-01 & D-94-105-06: FAP 657 (IL 164) Structure over Smith Creek in Henderson County, FAP 310 (US 67) Structure over Cedar Creek in Warren County, and FAP 22 (IL 78) Structure over Indian Creek in Henry County in Region Three, District Four

This project will utilize **the Cost Plus Fixed Fee (CPFF**) method of contracting.

This project requires 25.00% 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 **January 14, 2008** at **9:00 A.M.** at the Region Three, District Four Office in **Peoria**.

Phase I/II engineering services are required for the preparation of Project Reports (anticipated to be Categorical Exclusions) and contract plans for the removal and replacement of structures. All work for these projects will be in English units.

The following structures are included in this project:

- S.N. 036-0038 on IL 164 over Smith Creek, 2.3 miles east of Oquawka
- S.N. 094-0004 on US 67 over Cedar Creek, 4.0 miles north of Monmouth
- S.N. 037-0072 on IL 78 over Indian Creek 0.4 miles south of US 34

The Consultant's work is anticipated to include preparing the Bridge Condition and Hydraulic Reports, Structure Geotechnical Reports, conducting route and land surveys (including a full hydraulic survey), performing simple environmental assessments, preparing a Structure Report, and preparing type, size and location (TS&L) drawings for the replacement structure. Also, this work may include data collection, cost estimates, traffic management analysis, and accident analysis, inspection of existing structures to determine staging possibilities, and other related work and exhibits to produce the Project Reports, as necessary. The Consultant will also obtain survey data to prepare plats and legal descriptions for additional right-of-way, if required. The work required will also include performing drainage studies, preparing bridge and roadway plans, preparing traffic control plans and any other work necessary to complete final contract plans and documents.

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

The Consultant will perform the hydraulic calculations for Hydraulic Reports using one or both of the computer programs, WSPRO or HEC-RAS.

The estimated construction cost for these jobs are $1,190,000, $1,720,000, and $1,100,000 respectively. The completion date for Phase I work for this contract will be 12 months after the authorization to proceed. The completion date for Phase II work will be 12 months after authorization to proceed with phase II.

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, the individual in charge who is directly involved in the development of contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of hydraulic analysis and the preparation of the Hydraulic Reports (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of structural engineering (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 geotechnical analysis and the preparation of the Structure Geotechnical Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review of all milestone submittal documents (must have adequate plan review experience and be an Illinois Licensed Professional Engineer for roadway work and/or an Illinois Licensed Structural Engineer for structural work).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer and/or an Illinois Licensed Land Surveyor).
- The person who will be in charge of land surveys (must be an Illinois Licensed Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies: (Rehabilitation)
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.

27. <u>Job No. C-96-015-08, Various Construction Inspection Projects, Various Routes, Various Counties, Region Four, District Six.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

This project requires 10.00% 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 **January 17, 2008** at **11:00 A.M.** at the Region Four, District Six Office in **Springfield**.

Phase III engineering services are required to assist department resident engineers/technicians on various construction projects throughout District Six, primarily in the counties east of the Illinois River. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Phase III engineering services required to provide construction inspection under the direction of IDOT's Resident Engineer. The Consultant may be required to furnish a Liaison Engineer to work directly with the department's Resident Engineer and provide a staff to perform the engineering services required for these projects or provide staff to supplement the department's staff. The Consultant's work force shall be adequately trained and experienced to allow completion of these projects in a timely manner and in accordance with the department's <u>Standard Specifications for Road and Bridge Construction</u>.

The Consultant may be required to assist the Resident Engineer with all documentation of the project. The various proposed projects may consist of pavement and surface removal, patching and resurfacing, bridge repair, bridge rehabilitation, bridge painting, electrical work, bridge replacement, widening and resurfacing, vertical/horizontal realignment and/or new roadway projects. The Consultant's staff shall be trained and experienced in no less than four of the following specific task areas: Hot Mix Asphalt Field Inspection, Concrete Structures, Earth Excavation and Embankment, Pavement Patching, Piling, PCC Paving Inspection, Erosion Control, Small Drainage Structures.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The department will furnish all necessary plans, specifications, standards and related forms for record keeping.

The various projects are scheduled for construction during the calendar year 2008, 2009 and 2010 construction seasons. The programmed construction costs for these projects range from $250,000 to $30,000,000. The completion date for this contract will be 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional twelve months.

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

- Project Manager
- 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.)**
- Materials Coordinator and QA Technician
- Survey Chief

Firms 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.

28. <u>Job No. C-96-014-08, Various Construction Inspection Projects, Various Routes, Various Counties, Region Four, District Six.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

This project requires 10.00% 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 **January 17, 2008** at **10:00 A.M.** at the Region Four, District Six Office in **Springfield**.

Phase III engineering services are required to assist department resident engineers/technicians on various construction projects throughout District Six, primarily in the counties east of the Illinois River. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Phase III engineering services required to provide construction inspection under the direction of IDOT's Resident Engineer. The Consultant may be required to furnish a Liaison Engineer to work directly with the department's Resident Engineer and provide a staff to perform the engineering services required for these projects or provide staff to supplement the department's staff. The Consultant's work force shall be adequately trained and experienced to allow completion of these projects in a timely manner and in accordance with the department's <u>Standard Specifications for Road and Bridge Construction</u>.

The Consultant may be required to assist the Resident Engineer with all documentation of the project. The various proposed projects may consist of pavement and surface removal, patching and resurfacing, bridge repair, bridge rehabilitation, bridge painting, electrical work, bridge replacement, widening and resurfacing, vertical/horizontal realignment and/or new roadway projects. The Consultant's staff shall be trained and experienced in no less than four of the following specific task areas: Hot Mix Asphalt Field Inspection, Concrete Structures, Earth Excavation and Embankment, Pavement Patching, Piling, PCC Paving Inspection, Erosion Control, Small Drainage Structures.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The department will furnish all necessary plans, specifications, standards and related forms for record keeping.

The various projects are scheduled for construction during the calendar year 2008, 2009 and 2010 construction seasons. The programmed construction costs for these projects range from $250,000 to $30,000,000. The completion date for this contract will be 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional twelve months.

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

- Project Manager
- 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.)**
- Materials Coordinator and QA Technician
- Survey Chief

Firms 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.

29. <u>Job No. D-96-016-08, FAP 745 (IL 104) over the Illinois River at Meredosia, Phase I/II Engineering services which include Context Sensitive Solutions (CSS) for Structure Replacement, Morgan and Pike Counties, Region Four, District Six</u>

This project will utilize the **Cost Plus Fixed Fee (CPFF)** method of compensation.

This project requires 15.00% DBE participation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultants will be using are scheduled to attend an initial Scope of Services meeting on **January 15, 2008,** at **1:30 P.M.** at the Region Four, District Six Office in **Springfield.**

Phase I/II engineering services are required for the preparation of a Location/Design Report and final contract plans for the removal and replacement of IL 104 structure (S.N. 069-0016) over the Illinois River in Meredosia. The typical existing roadway cross section is one lane in each direction (undivided) with shoulders. During Phase I, various alternatives are to be developed and studied to determine if the proposed structure will cross the Illinois River at the same location or on a new alignment. It is anticipated that this project will require an Environmental Assessment (EA). In addition, this project has been identified as a Context Sensitive Solutions (CSS) project. All work will be performed in English units.

The Consultant's work is anticipated to include preparation of a Location/Design Report, Environmental Assessment, traffic management analysis, cost estimates, accident analysis, hydraulic studies, public involvement activities, bridge type study, cross sections, CSS Study and Report, peer review of the District's Structure Geotechnical Report, route surveys (pick-up), land surveys, type, size and location (TS&L) drawings, structure plans, roadway plans, right-of-way documents, drainage system design, special details, special provisions, and all other work related to complete Phase I and II associated with the entire project.

This project is expected to include public involvement utilizing Context Sensitive Solutions (CSS). Public Involvement may include: holding informational meetings and public hearings, preparation of exhibits for meetings and hearings, preparation and distribution of a newsletter, and evaluation and incorporation of comments from these meetings into the report. The Consultant may also be required to coordinate and conduct meetings with a variety of stakeholder groups designed to generate input from local representation regarding the concerns and needs of the region. The Consultant may be responsible for involving the local representation, maintaining their involvement and evaluating and incorporating their construction input throughout the entire project. The CSS Study and Report will guide IDOT through the stakeholder involvement process to help determine the type and location of the proposed bridge.

The department will furnish the Consultant the available survey notes, aerial photography and mapping, microfilm plans, existing right-of-way information, soil boring logs, structure and roadway geotechnical report, accident data, traffic data, utility coordination, environmental coordination, and any other available information.

The estimated construction cost for this project is $70,000,000. The completion date for Phase I work will be 36 months after authorization to proceed. Phase II will be negotiated near the

completion of Phase I. The completion date for Phase II work will be 36 months after authorization to proceed.

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

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

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

- The person who will perform/supervise the work in the area of drainage calculations and drainage plans (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 geotechnical engineering (must be either an Illinois Licensed Professional Engineer or an Illinois Licensed Structural Engineer).

- 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 person who will perform/supervise the work in the area of drainage calculations and preparation of the Hydraulic Analyses/Reports (Complex) (must be an Illinois Licensed Professional Engineer).

- The Environmental Lead, who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including water quality, noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented and approved in the firm's most recent Statement of Experience and Financial Condition.

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

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads and Streets)
Location/Design Studies (New Construction/Major Rehabilitation)
Structures (Major River Bridges: Steel Girder)
Structures (Major River Bridges: Segmental Concrete Box Girders)

The prime Consultant must also be prequalified in **Environmental Reports (Environmental Assessment)** and must perform all of the environmental work using staff that has been presented and approved in the firm's most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented and approved in their most recently approved Statement of Experience and Financial Condition.

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.

30. <u>Job No. P-98-016-08 / D-98-016-08, Phase I and/or II work for Various Projects, Various Counties, Region Five/District Eight.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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

The Consultant who is selected for this project, and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 14, 2008** at **10:30 A.M.** at the Region 5/District Eight Office in **Collinsville.**

Phase I and/or II engineering services are required for various projects in District Eight and may also include Program Development Training. Work orders under the blanket agreement will be negotiated and authorized by the Department on an as-needed basis. All work for this project will be in English units.

Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analyses, geometric studies and reviews, preparing TS&L plans, preparing Bridge Condition Reports, preparing Structure Geotechnical Reports, soils analyses and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, cost estimates, traffic management analysis, accident analysis, infrared testing of bridge decks, Bridge Condition Reports and other related work and exhibits necessary to produce the Project Report, as necessary.

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

The various proposed projects may consist of bridge repair, bridge rehabilitation, bridge replacement, and resurfacing type projects, including interstate resurfacing.

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 deemed applicable to the Consultant's work.

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

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/supervise the work in the area of drainage calculations and preparation of the Hydraulic Analyses (must be an Illinois Licensed Professional Engineer).

- 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 person who will be in charge of land surveys (must be an Illinois Licensed Professional Land Surveyor).

- The person who will be in charge of route surveys (must be either an Illinois Licensed Professional Engineer or and Illinois Professional Land Surveyor).

- The person who will be in charge of geotechnical engineering (must be either an Illinois Licensed Professional Engineer or an Illinois Licensed Structural Engineer).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Structures (Highway: Advanced 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.

31. <u>Job No. P-98-017-08, D-98-017-08, Phase I and/or II work for Various Projects, Various Counties, Region Five, District Eight.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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

The Consultant who is selected for this project, and all subconsultants the prime Consultant will be using, are scheduled to attend a negotiation meeting on **January 14, 2008** at **1:30 P.M.** at the Region Five, District Eight Office in **Collinsville.**

Phase I and/or II engineering services are required for various projects in District Eight and may also include Program Development Training. Work orders under the blanket agreement will be negotiated and authorized by the Department on an as-needed basis. All work for this project will be in English units.

Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analyses, geometric studies and reviews, preparing TS&L plans, preparing Bridge Condition Reports, preparing Structure Geotechnical Reports, soils analyses and preparing Project Reports (Categorical Exclusion projects only). This work may include data collection, cost estimates, traffic management analysis, accident analysis, infrared testing of bridge decks, Bridge Condition Reports and other related work and exhibits necessary to produce the Project Report, as necessary.

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

The various proposed projects may consist of bridge repair, bridge rehabilitation, bridge replacement, and resurfacing type projects, including interstate resurfacing.

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 deemed applicable to the Consultant's work.

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

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/supervise the work in the area of drainage calculations and preparation of the Hydraulic Analyses (must be an Illinois Licensed Professional Engineer).

- The person who will be in charge of geotechnical engineering (must be either an Illinois Licensed Professional Engineer or an Illinois Licensed Structural Engineer).

- 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 person who will be in charge of land surveys (must be an Illinois Licensed Professional Land Surveyor).

- The person who will be in charge of route surveys (must be either an Illinois Licensed Professional Engineer or and Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Structures (Highway: Advanced 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.

32. Job No. R-99-006-08, Various Survey Projects, Various Routes, Various Counties, Region Five, District Nine

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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

The Consultant who is selected for this project is scheduled to attend a negotiation meeting on **Thursday, January 10, 2008** at **9:00 a.m.** at the District Nine office in **Carbondale**.

Land and route surveying services are required under a blanket agreement to furnish land and route surveying, including assistance for surveys, in areas such as right-of-way staking, land surveying, topo and cross sections for highway projects, hydraulic surveys, plats & plans, legal descriptions, monument records, and other survey related work. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

Local land surveyor project input is to be expected in obtaining historic survey reference data.

The department will generally, but not always provide the consultant with alignment data, vertical data, title reports, existing right-of-way plans and proposed right-of-way requirements as each work order is negotiated. The cost and completion dates for the work requirements will be negotiated by the department for each project prior to giving authorization to proceed under a work order.

The completion date for this contract will be 12 months after authorization to proceed.

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

- The person who will be in charge/supervise land surveys (must be an Illinois Licensed Professional Land Surveyor).

- The person who will be in charge/supervise route surveys (must be either an Illinois Licensed Professional Engineer or and Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the following categories to be to be considered for this project:

Special Services (Route Survey)
Special Services (Land Survey)

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.

33. Job No. C-99-021-08, Phase III Work for Various Projects, Various Counties, Region Five/District Nine.

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 14, 2008** at **10:00 A.M**. at the Region Five, District Nine Office in **Carbondale.**

Phase III engineering services are required to provide construction inspection, supervision, engineering layout, material testing and/or record maintenance for various projects throughout District Nine. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The department will provide a Resident Engineer to direct the Contractor and to complete pay estimates and change orders. The Resident Engineer will direct/coordinate the activities of the Consultant staff. The Consultant may be required to furnish a Liaison Engineer to work directly with the department's Resident Engineer and provide a staff to perform the engineering services required for these projects or provide staff to supplement the department's staff. The Consultant's work force shall be adequately trained and experienced to allow completion of these projects in a timely manner and in accordance with the department's Standard Specifications for Road and Bridge Construction.

The Consultant will assist the Resident Engineer with all documentation of the project. The various proposed projects may consist of pavement and surface removal, patching and resurfacing, bridge repair, bridge rehabilitation, bridge painting, electrical work, bridge replacement, widening and resurfacing, vertical/horizontal realignment and/or new roadway projects. The Consultant's staff shall be trained and experienced in no less than four of the following specific task areas: Hot Mix Asphalt Field Inspection, Concrete Structures, Earth Excavation and Embankment, Pavement Patching, Piling, PCC Paving Inspection, Erosion Control, Small Drainage Structures.

The department will furnish all necessary plans, specifications, standards and related forms for record keeping. It is anticipated that the department will do all off-site material inspection for the assigned projects.

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 are prohibited. At the negotiations meeting the prime Consultant and subconsultant(s) will disclose all current relationships with contractors.

The estimated construction cost for these projects range from $100,000 to $25,000,000. The various projects are scheduled for construction during Calendar years 2008 and 2009 construction season. The Consultant must complete and submit final measurements, calculations, and contract record documentation to the department within four (4) weeks after completion of each project. 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 Liaison Engineer (with current IDOT Construction Documentation certificate. Include the Documentation Certificate Number for IDOT Class S-14, Documentation of Contract Quantities).

- The Documentation 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).**

- Construction inspectors (with current IDOT Construction Documentation Certificate)

- The Paint Technician. The person performing the inspection and documentation of bridge painting must be NACE certified and have completed SSPC-C3 Lead Training. They must have at least five (5) years inspection experience on painting contracts with at least 2 years experience with lead abatement.

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

Statement 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.

34. Job No. C-30-007-08, Various Structural Steel Shop Fabrication Inspection Statewide, Various Counties, Bureau Bridges and Structures.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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

The Consultant selected for this project and subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 14, 2008** at **1:00 P.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures office in **Springfield.**

Attachment A, showing Inspection Requirements, is enclosed for your consideration.

Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. If interested in providing these services for the department, please provide the following information in your Statement of Interest:

1. 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 (include on Exhibit A)
3. availability of inspection personnel and your firm's anticipated workload during the next two years
4. branch office locations
5. 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:

Inspector Qualifications	Straight Time (Hours)	Overtime (Hours)
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.

If you have any questions concerning the project, please contact the Shop Drawings and Fabrication Unit in the Bureau of Bridges and Structures at 217/782-3586 or e-mail Jon.Edwards@illinois.gov. 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 Or e-mail at Carrie.Kowalski@illinois.gov

Two copies of the Statement of Interest, including resumes of key people, must be received by the Bureau of Design and Environment prior to 4:30 p.m. central time, **October 25, 2007**, to be given consideration.

Send responses to:
Illinois Department of Transportation
Bureau of Design and Environment
Attn: Ms. Cheryl Cathey
Consultant Unit, Room 330
2300 South Dirksen Parkway
Springfield, Illinois, 62764.

ATTACHMENT A

INSPECTION REQUIRMENTS

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 daily mileage/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, miss located 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.

<u>During Welding</u>:

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 satisfy the applicable AWS code (D1.1, D1.2 or D1.5). 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.

2. 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).

3. 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 curing 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.

35. <u>Job No. D-30-003-08, Various Bridge Painting Inspections Statewide, Bureau of Bridges and Structures.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 22, 2008** at **10:00 A.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures in **Springfield**.

Phase III engineering services are required for the supervision, inspection, and documentation of various painting contracts and other coatings related expertise statewide. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. The services include providing contract supervision/inspection for various painting contracts as requested by the Districts and authorized by the Bureau of Bridge and Structures. Services also includes providing paint coating failure analysis for ongoing or recently completed painting projects along with recommended solutions, providing technical assistance on specifications, special provisions and various other departmental policies, providing evaluations and recommendations of new painting, cleaning, or containment systems as necessary. The project also involves providing environmental monitoring assistance and training when necessary and suitable traffic control according to departmental standards, when required.

For contract inspection, the Consultant will furnish approved engineer/technician(s) to act as Resident Engineer(s) on assigned projects. The Consultant will perform on-site inspection, maintain documentation, and submit pay estimates, change orders, and any other duties that would require the services of an engineer/technician to complete these projects on a timely basis and in accordance with the State Specifications and Guidelines.

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

For other coatings related expertise, the Consultant will furnish approved personnel, documentation, and services as necessary to perform the work as assigned.

The department will furnish the Consultant with site specific plans and specifications per project, the existing special provisions, the <u>2007 Standard Specifications for Road and Bridge Construction,</u> the 2008 Supplemental Specifications, any other available paint data, and a contact person(s) to act as a liaison between the Consultant and the department.

The Consultant is required to have the following:

- Five years of experience in construction management and inspection services during surface preparation and coating application.

- Three years of experience in environmental and worker monitoring on industrial lead paint removal projects.

- The use of a laboratory accredited by the American Industrial Hygiene Association (AIHA) for the analysis of metals for all worker exposure filter analyses including PM-10 and TSP-lead filters.

- A fully equipped analytical and physical testing laboratory to support technical and field personnel, as well as associated coatings and monitoring instrumentation necessary to support multiple field projects.

- Documented and acceptable quality control procedures.

- All the necessary equipment to provide or accomplish the above mentioned tasks.

This 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.

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 (must be an Illinois Registered Professional Engineer).

- The person performing the duties of the Project Engineer (must be a National Association of Corrosion Engineers (NACE) Certified Coatings Inspector – Level 3).

- The person(s) performing the duties of the Resident Liaison Engineer/Technician(s) (must be a NACE Certified Coatings Inspector – Level 3).

- The Documentation Engineer/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.**

Statements of Interest must also include the following:

- Your firm's experience with this type of work, including the firm's experience in construction management and inspection and in environmental work and worker monitoring.
- Your firm's techniques for completion of this work.
- Names of key personnel along with resumes indicating qualifications including the registered Professional Engineer in charge of the project, the person who will act as a Project Engineer and the name(s) of the NACE Certified Coatings Inspector(s) who will act as Resident Liaison Engineer/Technician(s). (Exhibit A)
- A statement of your firm's ability to do the work in-house, or if necessary, what work you would need to subcontract.
- Name, location, and accreditation of laboratory to be used.
- A statement of your firm's ability to perform the work within the time frame described above.
- The firm's quality assurance and quality control plan.
- Name and phone number of the contact person in your organization.

If you have any questions concerning the project, please contact the Gary Kowalski in the Bureau of Bridges and Structures at 217/785-2914 or e-mail Gary.Kowalski@illinois.gov.

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 Or e-mail at Carrie.Kowalski@illinois.gov

Firms that are currently prequalified may submit Statements of Interest electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@dot.il.gov.

Firms not currently prequalified must submit **two copies** of the Statement of Interest, including resumes of key people, must be received by the Bureau of Design and Environment prior to 4:30 p.m. central time, **October 25, 2007**, to be given consideration.

Send *hard* copy responses to:
Illinois Department of Transportation
Bureau of Design and Environment
Attn: Ms. Cheryl Cathey
Consultant Unit, Room 330
2300 South Dirksen Parkway
Springfield, Illinois, 62764.
.

36. <u>Job No, D-30-004-08, Engineering Services for the Underwater Diving Investigation of Bridges, Bureau of Bridges and Structures.</u>

This project will utilize the **Direct Labor Multiple (DLM)** method of contracting.

The **Complexity Factor** for this project is **0.003.**

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **January 11, 2008** at **10:00 A.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures in **Springfield**.

Underwater diving inspection services are required for investigating bridge substructure units and other structures in the water. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant's work shall include furnishing all labor, materials, and equipment necessary for:

- Visual and tactile inspection of 100 percent of underwater structures (level 1),
- Providing measurements of pitting and damage not to exceed 10 percent of each underwater structure,
- Providing measurements of scour, water depth around piers, and cross sections of the streambed, and
- Providing complete reports with topside photographs, diagrams and underwater photographs necessary to adequately describe conditions and deficiencies found.

The reports will include a scope of work, description of structure, method of investigation, existing site conditions, structure condition with elevations showing damage and streambed elevations, stream bed probing information at each pier, streambed elevation grid 50' out from each pier, streambed cross sections at both fascias and at 100' upstream and downstream, NBIS underwater inspection rating and anything else as requested by the Bureau of Bridges and Structures. The reports shall be signed and sealed by an Illinois Licensed Structural Engineer.

Plans for the structures are available from the department.

This work must be completed within 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional 12 months.

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

- An Illinois Licensed Structural Engineer on staff who will supervise the inspection by certified divers and be approved as an inspection Team Leader by the Bureau of Bridges and Structures as required by the NBIS, CFR23.

- The persons performing the diving will be certified divers and also be qualified bridge inspectors in accordance with the National Bridge Inspection Standards and have passed the 80 hour class NBIS Safety Inspection of In-Service Bridges.

- All staff that will be performing each part of the job, including:
  - field work,
  - diving,
  - report writing and
  - QA/QC.

- All resumes should include a brief description of previous projects completed by each staff member.

Statements of Interest must include the following:

- Firm's experience with this type of work.
- Firm's technique for completion of this type of work.

Firms that are currently prequalified may submit Statements of Interest electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@dot.il.gov.

Firms not currently prequalified must submit **two copies** of the Statement of Interest, including resumes of key people, must be received by the Bureau of Design and Environment prior to 4:30 p.m. central time, **October 25, 2007**, to be given consideration.

Send *hard* copy responses to:
Illinois Department of Transportation
Bureau of Design and Environment
Attn: Ms. Cheryl Cathey
Consultant Unit, Room 330
2300 South Dirksen Parkway
Springfield, Illinois, 62764.

37. Job No. D-30-005-08, Statewide Structural Engineering Services, Bureau of Bridges and Structures.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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 **January 11, 2008,** at **1:00 P.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures in **Springfield**.

Various structural engineering services are required by the Bureau of Bridges and Structures. Projects are anticipated to include NBIS and Element Level Inspections and training, 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.
- 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 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.

Firms must be pre-qualified in the **Structures (Highway: Advanced Typical)** category to be considered for this project.
Statement 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.

38. Job No. D-30-006-08, Statewide Structural Engineering Services, Bureau of Bridges and Structures.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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 **January 11, 2008,** at **10:00 A.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures in **Springfield**.

Various structural engineering services are required by the Bureau of Bridges and Structures. Projects are anticipated to include NBIS and Element Level Inspections and training, 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.
- 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 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.

Firms must be pre-qualified in the **Structures (Highway: Advanced Typical)** category to be considered for this project.
Statement 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.

39. Job No. D-30-007-08, Statewide Structural Engineering Services, Bureau of Bridges and Structures.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

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 **January 14, 2008,** at **10:00 A.M.** at the Harry R. Hanley Building, Central Bureau of Bridges and Structures in **Springfield**.

Various structural engineering 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.
- 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 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.

Firms must be pre-qualified in the **Structures (Highway: Typical)** category to be considered for this project.
Statement 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.

40. <u>Job No. P-30-006-08, Bureau of Design and Environment Manual Update, Bureau of Design and Environment.</u>

This project will utilize the Cost Plus Fixed Fee method of compensation.

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

The Consultant who is selected for this project and any subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 16, 2008** at **10:00 A. M.** at the Harry R. Hanley Building, Central Bureau of Design and Environment in **Springfield**.

Engineering services are required to update the Bureau of Design and Environment (BDE) Manual. The consultant shall update the BDE Manual to reflect the current status of highway policy including researching, reviewing and recommending revisions based on recent highway design literature including but not limited to the latest additions of the AASHTO Policy on Geometric Design of Streets and Highways and Manual on Uniform Traffic Control Devices. Also included will be revisions due to numerous new and/or revised State/Federal Rulemakings, regulations and legislative statutes which impact highway development, planning, and environmental reports and investigations. Incorporation of various BDE Procedure Memorandums, various Bureau Policies and Federal Guidelines will be included in the revisions.

The Consultant is required to have the following:

- Experience in research, development and production of technical manuals, including the preparation of manuals for IDOT and other Departments of Transportation.

- Knowledge of and experience in working with highway and environmental policy, including AASHTO's A Policy on Geometric Design of Highways and Streets, AASHTO's Roadway Design Guide and the MUTCD.

- Ability to produce the BDE Manual electronically utilizing the latest version of Microsoft Word, CADD Micro-Station, Pagemaker and Adobe Acrobat (PDF).

- At least one Licensed Professional Engineer on staff.

The department will furnish the Consultant with the existing BDE Manual electronic files in Microsoft Word and CADD Micro-Station and some additions and revisions to the BDE Manual.

The completion date for this contract will be 24 months after the notice 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.

- The person performing the work on the geometrics portion of the manual.

- The person performing the work on the Environmental portions of the manual.

Statements of Interest must also include the following:

- Firm's experience with the development of technical manuals.
- Firm's techniques for completion of this work.
- Names of key personnel, along with resumes indicating qualifications.
- A statement of your firm's ability to do the work in-house or if necessary, what work you would need to subcontract.
- A statement of your firm's ability to perform the work within the time frame described above.
- Name and phone number of the contact person in your organization.

Firms that are currently prequalified may submit Statements of Interest electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@dot.il.gov.

Firms not currently prequalified must submit **two copies** of the Statement of Interest, including resumes of key people, must be received by the Bureau of Design and Environment prior to 4:30 p.m. central time, **October 25, 2007**, to be given consideration.

Send *hard* copy responses to:
Illinois Department of Transportation
Bureau of Design and Environment
Attn: Ms. Cheryl Cathey
Consultant Unit, Room 330
2300 South Dirksen Parkway
Springfield, Illinois, 62764.

41. <u>Job No. P-30-007-08, LiDAR and Photogrammetry Work for Various Counties, Bureau of Design and Environment.</u>

This project will utilize the **Cost Plus Fixed Fee** method of contracting.

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

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 16, 2008** at **10:00 A.M.** at the Harry R. Hanley Building, Bureau of Design and Environment, in **Springfield**.

The main emphasis of the services required is the collection of Light Detection and Ranging (LiDAR) data to support the generation of a high resolution Digital Terrain Model (DTM) that will be used as base data for regional hydrologic modeling projects and for engineering location studies. The main area of interest will be, but is not limited to, the northwest corner of the state. LIDAR data captured for this project will need to be of high resolution and quality. Aerial Photography and other photogrammetric services may be required on an as needed basis. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The Consultant's work includes providing the following services:

- <u>Light Detection and Ranging (LIDAR)</u> – The consultant will be required to collect Light Detection and Ranging (LIDAR) data to support the generation of a high resolution Digital Terrain Model (DTM) and 2 foot contour mapping that will be used as base data for regional hydrologic modeling projects and for engineering location studies. The data will be acquired for an area in the northwest corner of the state which may include, but is not limited to Stephenson, JoDaviess and Carroll Counties. LIDAR data captured for this project will need to be of high resolution and quality.

A. Performance Standards: The underlying performance standards for this project are the Federal Emergency Management Agency's (FEMA's) "Guidelines and Specifications for Flood Hazard Mapping Partners, Appendix A: Guidance for Aerial Mapping and Surveying" in support of generating accurate 2 foot contours. This document will be referred to as "FEMA's Appendix A" in the remainder of this document. The most current version of FEMA's Appendix A can be obtained from the following website: (http://www.fema.gov/plan/prevent/fhm/dl_cgs.shtm). Portions of this specification may exceed FEMA's specifications and therefore the more stringent requirements must be met. If a performance standard is not covered in this specification, FEMA's standards govern and must be met.

B. LiDAR Acquisition: The Consultant shall perform the necessary flying and LiDAR acquisition, processing, terrain modeling, and elevation map preparation to be collected over the selected area. The LiDAR acquired by the Consultant for the project shall conform to the specifications set forth in the following paragraphs.

1. The flight height above the average elevation of the ground shall be such that the LiDAR data will produce a nominal post spacing of one (1) meter.

2. LiDAR system shall be capable of collecting multiple returns (minimum of two returns, first and last)

3. The horizontal positions shall be based upon the North American Datum of 1983/1997 (NAD83/97) adjustment as referenced to the Illinois State Plane Coordinates System, West Zone, in United States Survey Feet.

4. The vertical elevation data shall be referenced to the North American Vertical Datum of 1988 (NAVD88) adjustment, in United States Survey Feet.

5. The vertical Root Mean Square Error (RMSE) of the digital elevation data conform the vertical testing as supported by Federal Emergency Management Agency to support 2 foot contours or better relative to NAVD88.

6. The LiDAR data points shall be reported to the nearest hundredth of a foot.

7. Special Acquisition Conditions: LIDAR shall be acquired under these conditions:

   - during the leaf off season
   - while no snow is on the ground
   - during non-flood conditions, while the rivers remain within their channels at or below normal levels
   - Time of day is not of concern
   - Earth-surface data voids due to failure to adequately capture initial data are unacceptable and shall be sufficient reason for rejection of the entire data set.

C. Digital Terrain Model Organization and Specifications

1. The Consultant shall prepare digital three-dimensional topographic mapping in the form of digital terrain model files. The digital terrain model files shall be capable of supporting the creation of two-foot interval contour lines.

2. The digital terrain model files shall be prepared in such a manner that all break line and random point data (LiDAR bare-earth surface) included in the files can be used to generate a triangulated network model through the use of appropriate computer software. The digital terrain model files shall be organized in such a manner that all data features can be selectively retrieved, manipulated, and displayed, either singly or in combination with other features. The digital terrain model files shall depict terrain features as break lines placed along water courses and shorelines, and other pertinent features as defined in FEMA's Appendix A, A.4.2.3.

3. The digital terrain model files shall be prepared using IDOT MicroStation three-dimensional seed files (IDOTeng.3d files), and shall be delivered on CD-ROM media. All line features in the digital files shall be created as simple elements, consisting of lines and line strings, rather than complex string elements. The digital map files shall not contain duplicate line segments for any features.

D. Digital Elevation Map File Organization and Specification

1. The Consultant shall prepare digital three-dimensional elevation map files. These files shall consist of contour lines and depression lines having a vertical interval of two feet, and associated contour text and depression text features. The elevation files shall also contain spot elevation locations and associated text features.

2. The digital elevation map files shall be organized in such a manner that all data features can be selectively retrieved, manipulated, and displayed, either singly or in combination with other data features.

3. The digital elevation map files shall depict index (major) contour elevations and index (major) depression elevations as lines of equal elevation at even ten-foot intervals (e.g., 800', 810', 820'). The digital map files shall represent intermediate contour elevations and intermediate depression elevations as lines of equal elevation at even two-foot intervals between index contour and index depression features (e.g., 802', 804', 806'). The digital elevation map files shall also include text features consisting of the elevation values of all index contour lines and index depression lines.

4. Depression line features in the digital elevation map files need to be created in such a way as to facilitate the symbolization of these lines in other digital map file formats. All depression lines in the digital map files shall be created in a "clockwise" direction in order to maintain the proper symbology of these features.

5. The digital contour map files shall be prepared using IDOT MicroStation three-dimensional seed files (IDOTeng.3d files), and shall be delivered on CD-ROM media. All line features in the digital files shall be created as simple elements, consisting of lines and line strings, rather than complex string elements. The digital map files shall not contain duplicate line segments for any features.

E. Deliverables may include but are not limited to:

1. **LIDAR First Return DSM (Digital Surface Model) –** LIDAR data filtered to include only the first reflective surface that includes vegetation, buildings, and all other above ground features including some ground contact delivered as a collection of files that are subdivided using the Illinois Department of Transportation's tiling (order of tiles) scheme. Vendor must specify cell size.

   The cell size must be smaller than the Ground Sample Distance (GSD).

   i. All data shall be returned in Illinois State Plane Coordinates, West Zone, double precision, x y z i format.

   ii. The data shall be provided in a space delimited ASCII format

2. **LiDAR Bald Earth –** Random point set created from the LIDAR bald earth files.

   i. All data shall be returned in Illinois State Plane Coordinates, West Zone, double precision, x y z i format.

   ii. The data shall be provided in a space delimited ASCII format.

3. **Breakline Data –** Breaklines shall be generated from the LiDAR intensity returns for edge of water boundaries, roads, and other pertinent features as defined in FEMA's Appendix A, A.4.2.3 and delivered as a collection of files that are subdivided using the Illinois Department of Transportation's tiling scheme in Microstation 3d format or a format approved by the Department of Transportation.

4. **Spot Elevations –** Points at cartographic locations, high-low points, toe, and crests, saddles, buttes, street intersections, etc. The data shall be delivered as a collection of files that are subdivided using the Illinois Department of Transportation's tiling scheme in Microstation DGN format or a format approved by the Department of Transportation.

5. **Project Completion Report:** This report shall be provided in both hardcopy and electronic form (Microsoft Word), and shall contain but is not limited to the following information:

   - Data processing methods used, final LIDAR pulse and scan rates, scan angle, capability for multiple returns from a single pulses, accuracy and precision of the LIDAR data acquired, accuracy of the topographic surface products, companion imagery (if any), and any other data deemed appropriate.

   - Mission date(s), time, flight altitude, airspeed, and other information deemed pertinent.

   - The information about GPS and IMU derived flight tracks that provides a detailed description of the parameters and controls used and graphical displays summarizing the overall accuracy of each mission.

   - Pertinent base station information and mission notes, including information on GPS station monument names and stability.

   - Vertical assessment report detailing accuracy testing guidelines and procedures implemented.

The Consultants work may include providing the following services:

- Photography Acquisition – The Consultant will be required to acquire vertical aerial photography of projects selected by the department. The aerial photography shall be obtained according to the specifications titled "Illinois Department of Transportation Specifications for Vertical Aerial Photography" revised November 1, 1994. The department requires a copy of the latest Calibration Report from the U.S. Geological Survey for each Consultant's camera used on department projects.

- Topographic Mapping – The Consultant may be requested to prepare topographic mapping using CADD technology, including analytical triangulation. The mapping shall be prepared as per the latest version of the department's manual titled "CADD Roadway Drafting Reference Guide".

- Orthophoto Production – The Consultant may be requested to produce digital images, digital mosaics and orthophotos.

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

The Statement of Interest and **Exhibit A** must include the following:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be a Certified Photogrammetrist)

- The person who will perform the QA/QC review work of all milestone submittals (must be a Certified Photogrammetrist)

- A proposal describing in detail how the Consultant will accomplish the LiDAR work, including equipment and software to be used and any work that would be performed by a sub-consultant.

- A description of similar LiDAR projects completed by the firm within the last 5 years. Provide the contact information for the person/entity that the work was completed for. The Department reserves the right to contact any of the named individuals to determine the performance on the listed project(s).

Firms must be prequalified in the **Special Services (Aerial Mapping)** category and possess the in-house capabilities to perform LiDAR services to be considered for this project.

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

42. Job No. P-30-005-08, Statewide Waste Assessment Investigations, Studies and Designs, Bureau of Design and Environment.

This project will utilize the **Cost Plus Fixed Fee** method of contracting.

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

The Consultant who is selected for this project and any subconsultant the prime Consultant will be using are scheduled to attend a negotiation meeting on **January 17, 2008** at **1:30 P.M.** at the Harry R. Hanley Building, Bureau of Design and Environment in **Springfield.**

The department has contracted with the Illinois State Geological Survey (ISGS) to conduct preliminary environmental site assessments (PESA's) of property proposed for highway use. ISGS conducts land-use history investigations; researches federal, state, and local records; conducts field surveys and selected field tests for volatile organic compounds, metals, pesticides, and PCBs (polychlorinated biphenyls); and attempts to determine if the potential for contamination is nonexistent, low, medium or high.

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

The department will furnish the PESA and, as available, Project Reports, field survey data, soil survey data, and plans of the existing and proposed transportation facility.

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

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

Additional work will include conducting surveys and testing, if applicable, of stored materials, tank contents, and containers to determine whether regulated substances are present. Evaluation, summarization, and reporting on PSI's, DSI's, laboratory analysis and survey work are included as an important part of this work.

PROPOSED SCOPE OF WORK SUMMARIES FOR THE VARIOUS TYPES OF INVESTIGATIONS REQUIRED:

POTENTIAL WASTE SITES AND UST-LUST SITES

Engineering services are required to perform PSI's and on occasion, DSI's (RI/FS's), remedial design, which may include UST removal, and construction oversight of sites suspected to contain regulated substances, UST-LUST's and/or unsecured materials of concern. The PSI's are to include verification of subsurface geologic and hydrologic conditions, identification of

chemical contamination and identification of the extent of chemical contamination, when feasible.

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

MISCELLANEOUS SURVEYS AND TESTING

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

EMERGENCY RESPONSE OVERSIGHT

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

ENVIRONMENTAL PLANS FOR OPERATIONS FACILITIES

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

EXTRANET

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

As a task is identified, the Department will request the Consultant to prepare an outline of the work phases and technical approach, personnel requirements, detailed cost breakdown, and a schedule that is consistent with the task request.

When a task order is awarded for investigation, the Consultant will be fully responsible for the sampling, testing and reporting.

For performance of this work, the Consultant will be required to assign the necessary full-time staff described in its Statement of Interest and in many cases (except emergency response oversight), to respond with a draft work plan within 15 working days, conduct field work within 10 working days after authority to proceed, draft report within 3 months after the authority to proceed, and final report two (2) weeks following IDOT comments. For emergency response oversight, the Consultant will be required to respond in four hours.

CONFIDENTIALITY:

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

(2) It is understood that: (i) you will make a reasonable effort to be available upon reasonable advance notice; (ii) you will keep confidential all information obtained, or analyses developed, in connection with this litigation or any related litigations with respect to which we may seek your advice and counsel; (iii) you will use such confidential information solely in connection with your engagement by IDOT; (iv) you will preserve any written materials, including e-mails generated or received by you in connection with this engagement, as such materials are potentially discoverable in litigation; (v) you will not in the future consult for, or otherwise represent, any other person or entity with an interest adverse to IDOT's interests in or concerning the pending litigation, or the events or occurrences out of which the pending litigation arises; and (vi) you will keep confidential your retention by IDOT, unless and until you are identified in court papers as a testifying expert or we otherwise authorize you to breach this confidentiality.

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

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

The completion date for this contract (excluding emergency response oversight) will be 14 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 must include **Exhibit A** and the following:

1. The location of the office from which the majority of work on this project will be performed.

2. An organization chart showing the Administrative/Managerial Staff of the office and a flow chart of key Technical/Professional Staff, including field and risk assessment staff that will be assigned to this project. Similarly, information of subconsultants' location/organization should be provided.

3. The name of the laboratory that will be used for this project. (The selected firm must have the capability of using either in-house or subcontracted laboratory facilities which are qualified to work on IEPA sites. The laboratory shall have an approved IEPA quality assurance plan and follow that plan in performing the analyses.)

4. A statement of your firm's ability to do the work in-house, or if necessary, what work is to be subcontracted. Indicate item(s) of work which would be subcontracted and the proposed subcontractors).

5. A description of your mobilization plan to be used upon notification that a work order has been authorized.

6. A discussion of your organizational and management practices to maintain established schedules, avoid cost overruns, and inform IDOT of the status of work orders.

For additional information concerning the project, please contact Steve Gobelman at (217) 785-4246 or e-mail at Steven.Gobelman@illinois.gov.

Firms must be prequalified in **Special Services (Hazardous Waste)** and be familiar with IDOT contracts to be considered for this project. In addition, they must comply with the following:

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

Statements of Interest, including resumes of key personnel, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@dot.il.gov.

43. Job No. D-30-008-08, Update Department policies and procedures including Chapter 59 of the BDE Manual and prepare course on National Pollutant Discharge Elimination System (NPDES) Compliance concentrating on Plan preparation.

This project will utilize the **Direct Labor Multiple (DLM)** method of compensation.

The **Complexity Factor** for this project is **0.000**.

The Consultant who is selected for this project and any subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **January 16, 2008** at **10:00 A.M.** at the Harry R. Hanley Building, Bureau of Construction in **Springfield.**

Engineer services are required to update the department's Bureau of Design and Environment Manual Chapter 59 and develop Program Development Training Course materials as needed for the department to ensure adequate Storm Water Pollution Prevention Plans and constructible Erosion Control Plan sheets and other items as necessary to remain in compliance with the Department's NPDES requirements.

The department will furnish the Consultant with instructions and forms currently used to design plans. The Consultant is expected to understand the Illinois Urban Manual and current BDE Manual Chapter 59, Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Recurring Special Provisions, BDE inserted Special Provisions, BDE 2259, and other documents available to designers of Storm Water Pollution Prevention Plans and Erosion Control Plans as required to comply with NPDES permits.

The Consultant's work includes reviewing current policies, documenting deviations from specific requirements in current ILR10 and ILR40 permits, and providing recommendations for improvement. The Consultant will recommend updates to policies and procedures to Department Storm water Committee. The Consultant will incorporate the acceptable changes to Chapter 59 of the BDE Manual, and other documents then update or create PowerPoint type training presentations and reproducible class materials to allow the department to train designers to remain in compliance with the aforementioned permits.

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

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

- Person(s) who will be revising Design policies, checklists and training materials.

Firms must be prequalified in the **Highways (Road & Streets)** category to be considered for this project.

Statements of Interest must also include the following:

- Firm's experience with development of technical manuals.
- Firm's experience in developing training courses.

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.

44. <u>Job No. D-60-031-08, Traffic Signal Coordination and Timing (SCAT), Various Projects, Various Routes, Various Counties, Districts Two, Three, Four, and Five, Bureau of Operations.</u>

This project will utilize **Direct Labor Multiplier (DLM)** method of compensation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are to attend a negotiation meeting scheduled on **January 11, 2008** at **1:30 P.M.** at the Harry R. Hanley Building, Bureau of Operations office in **Springfield**.

Engineering services are required to ensure signal optimization is achieved at various isolated traffic signal and traffic signal system locations within Districts 2, 3, 4, and 5. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis. All work for this project will be in English Units.

The project will include accomplishment of one or more of the following tasks for each selected location:

- Data Collection - Field collection of traffic counts, turning movements, signal phasings, signal timings, equipment inventory, and other data needed to qualify existing operating conditions and determine signal optimization alternatives.

- Data Analysis - Appropriate computer models such as HCS, SIGNAL, Synchro, TRANSYT 7F, PASSER II, and CORSIM shall run on the database for each of the selected locations. Recommendations for optimal signal operation plans shall be generated utilizing the existing signal equipment and also with minor recommended equipment enhancements. Engineering judgment shall be used to select the final plan to be recommended for implementation.

- Implementation - The approved optimization plan shall be placed in operation and any necessary fine-tuning adjustment shall be made.

- Evaluation - A study of the effectiveness of the optimization plan shall be conducted. Benefits shall be estimated in terms of travel delay reductions, fuel savings, and reduction in carbon monoxide emissions.

Recommendations for further enhancements to the optimization plan and/or equipment modifications may be requested for locations where the operation is still unsatisfactory.

The department will furnish manuals, plans, or any other available information.

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

The Consultant shall be prepared to provide technical assistance on signal coordination issues at the department's request.

Key personnel 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 Professional Engineer;

- The person who will perform the duties of the 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 necessary to prepare traffic signal coordination and timing operation plans;

- The person who has the necessary expertise with traffic signal equipment and who will recommend equipment enhancements, implement the optimization plans, and recommend any fine-tuning adjustments; and

- The person who will conduct the evaluation of the optimization plans.

- The person who will perform the QC/QA review work of all milestone submittal documents.

A brief outline of proposed procedures to be used to accomplish the project objectives needs to be provided with the statements of interest.

Firms must be prequalified in **Special Studies (Signal Coordination & Timing (SCAT)** and furnish a list of projects they have done involving traffic signal system coordination and timing.

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

45. <u>Job No. D-60-032-08, Traffic Signal Coordination and Timing (SCAT), Various Projects, Various Routes, Various Counties, Districts Six, Seven, Eight and Nine, Bureau of Operations.</u>

This project will utilize **Direct Labor Multiplier (DLM)** method of compensation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are to attend a negotiation meeting scheduled on **January 11, 2008** at **10:00 A.M.** at the Harry R. Hanley Building, Bureau of Operations office in **Springfield**.

Engineering services are required to ensure signal optimization is achieved at various isolated traffic signal and traffic signal system locations within Districts 6, 7, 8, and 9. Work orders under the blanket agreement will be negotiated and authorized by the department on an as needed basis. All work for this project will be in English units.

The project will include accomplishment of one or more of the following tasks for each selected location:

- Data Collection - Field collection of traffic counts, turning movements, signal phasings, signal timings, equipment inventory, and other data needed to qualify existing operating conditions and determine signal optimization alternatives.

- Data Analysis - Appropriate computer models such as HCS, SIGNAL, Synchro, TRANSYT 7F, PASSER II, and CORSIM shall run on the database for each of the selected locations. Recommendations for optimal signal operation plans shall be generated utilizing the existing signal equipment and also with minor recommended equipment enhancements. Engineering judgment shall be used to select the final plan to be recommended for implementation.

- Implementation - The approved optimization plan shall be placed in operation and any necessary fine-tuning adjustment shall be made.

- Evaluation - A study of the effectiveness of the optimization plan shall be conducted. Benefits shall be estimated in terms of travel delay reductions, fuel savings, and reduction in carbon monoxide emissions.

Recommendations for further enhancements to the optimization plan and/or equipment modifications may be requested for locations where the operation is still unsatisfactory.

The department will furnish manuals, plans, or any other available information. The completion date for this contract will be 24 months after authorization to proceed.

The Consultant shall be prepared to provide technical assistance on signal coordination issues at the department's request.

Key personnel 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 Professional Engineer;

- The person who will perform the duties of the 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 necessary to prepare traffic signal coordination and timing operation plans;

- The person who has the necessary expertise with traffic signal equipment and who will recommend equipment enhancements, implement the optimization plans, and recommend any fine-tuning adjustments; and

- The person who will conduct the evaluation of the optimization plans.

- The person who will perform the QC/QA review work of all milestone submittal documents.

A brief outline of proposed procedures to be used to accomplish the project objectives needs to be provided with the statements of interest.

Firms must be prequalified in **Special Studies (Signal Coordination & Timing (SCAT)** and furnish a list of projects they have done involving traffic signal system coordination and timing.

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

46. <u>Job No. D-60-033-08, Statewide Sign Structure Inspection, Various Projects, Various Routes, Various Counties, Various Districts, Bureau of Operations.</u>

This project will utilize **Direct Labor Multiplier (DLM)** method of compensation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting scheduled on **January 10, 2008** at **1:30 P.M.** at the Harry R. Hanley Building, Bureau of Operations office in **Springfield**.

The scope of this project consists of planning, organizing and performing detailed structural inspections on simple aluminum span trusses, aluminum cantilever trusses, Vierendeel type steel span trusses, Vierendeel type steel cantilever trusses and bridge mounted sign structures. The number of overhead sign structures to be inspected is approximately 120. The detail structural inspection shall include rating of all components, evaluation of conditions and preparation of an inspection report including a prioritized summary of repairs. The use of ultra sonic testing equipment to spot check the wall thickness of end supports for aluminum trusses and the chords for Vierendeel steel trusses will be required.

The Consultant's shall provide all manpower, equipment, vehicles, materials and the appropriate traffic control for each structure to satisfactorily complete the work. The work shall be done in accordance with the Sign Structure Inspection Manual, the Manual of Uniform Traffic Control Devices and any department policies or procedures governing the work.

The inspector should have basic knowledge of sign truss nomenclature, experience in structural inspection, be able to read and interpret shop drawings, be physically able to work at heights, operate an automatic camera and other specialized testing equipment. The Consultant should have a licensed Structural Engineer who has the expertise in welding and weld details on sign structures and is capable of making recommendations on structural repairs. Work orders, by district, under the blanket agreement will be negotiated and authorized by the department on an as needed basis.

The completion date for this contract will be 12 months after authorization to proceed.

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

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

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

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

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

Firms must be pre-qualified in **Structures (Highway: Typical)** 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

NOTICE
ALLOWABLE DIRECT COSTS

The allowable direct costs will be effective October 1, 2006 and will be effective on Proposals reviewed on or after October 1, 2006.

The following costs are allowable when requested by the Department and included in the contract. The costs are allowable when it is customary for the firm to bill for the cost and it can be itemized in the firm's billing and accounting systems.

Per Diem	State Rate (Maximum)
Lodging	State Rate (Maximum)
Air Fare	Coach rate with 2 weeks notice as approved
Vehicles	
Mileage	State travel rate maximum
Daily Rate (owned or leased the same)	$45 /day
Overtime	Premium portion
Tolls	Actual Cost
Film and Film Processing**	Actual Cost
Overnight Delivery/Postage Courier Service	Actual Cost
Copies of Deliverables and Mylars	Actual Cost
Specific insurance – required for project	Actual Cost
CADD	Actual Cost (Maximum of $15.00/Hr)
Monuments – Permanent	Actual Cost
Payment for Newspaper Ads	Actual Cost
Web Site	Actual Cost
Facility Rental for Public Meetings & Exhibits/Renderings & AV equipment/transcriptions(specific to project)	Actual Cost
Recording fees	Actual Cost
Courthouse fees	Actual Cost
Testing of Soil Samples	Actual Cost
Lab Services (excluding Phase III normal construction inspection such as beam breaks, cylinder breaks, pavement cores)	Actual Cost
Equipment rental specific for a project (snooper for bridge inspection, noise meter, etc.)	Actual Cost
Specialized equipment – on an as needed basis with prior approval	Actual Cost
Traffic Systems	Actual Cost
Mobile Phone (for traffic system implementation)	
Telephone Usage (for traffic system monitoring)	
Storm sewer cleaning and televising	Actual Cost
Traffic control and protection	Actual Cost
Aerial photography and mapping	Actual Cost
Utility exploratory trenching	Actual Cost

NOTICE
ALLOWABLE DIRECT COSTS

- * Use of digital cameras verses film cameras is encouraged when firms own digital cameras and the discussion of their use will be part of the negotiations. Film & copies will be reimbursed at actual costs.
- On all agreements authorized after January 1, 2005, GPS Equipment will be considered tools of the trade.

PHASE III

Phase III Communications:

Cell Phones (maximum of 3 without additional approval. Personal phones that do not remain on the job site are not allowable)	$150/monthly phone (Maximum for firm's RE) Other phones $60/month(Max.)
radio communication	Actual cost
2-way radio	Actual Cost
Vehicles (Only for Vehicles assigned to project) DAILY RATE ONLY	$45 /day
The number of days will be calculated as follows: For extended stay **- Number of days on job site plus one day to travel to and from job site Weekly (hotel) –Number of days on job site plus one day to travel to and from job site per week.	
Shift Differential	Actual cost based on firm policy

*Extended Stay Status applies to individuals on the project over 20 consecutive working days. The decision whether individuals will stay over the week-end will be made after the Contractor's schedule is available and shall be made jointly by the Consultant Liaison and the IDOT Resident.

NOTES:

For Construction inspection contracts beam and cylinder breaks are not reimbursable. Overtime to employees traveling to and from the site will be allowable depending on the firm's policy and limited to the Department's policy (see Departmental Order 4-1).

CHANGE IN DIRECT LABOR MULTIPLIER

Effective for the DIRECT LABOR MULTIPLIER METHOD OF COMPENSATION:

FOR PROJECTS SELECTED AFTER MARCH 1, 2004 THE DIRECT LABOR MULTIPLIER USED FOR THE PRIME AND SUPPLEMENTAL AGREEMENTS ASSOCIATED WITH THESE PROJECTS WILL BE **2.80** IN THE COMPENSATION EQUATION:

DLM= [(2.80+R) x direct labor] + directs costs

R = complexity factor given in the advertisement.

IF THE PROJECT WAS SELECTED PRIOR TO MARCH 1, 2004 THE DIRECT LABOR MULTIPLIER FOR ALL PRIME AND SUPPLEMENTAL AGREEMENTS ASSOCIATED WITH THE PROJECT IS AS FOLLOWS:

Phase I and II Primes and supplements for projects selected prior to PTB 127 = 3.0
(Except Phase II of Phase I/Phase II projects authorized after May 21, 2003)

Phase III primes for projects selected prior to PTB 127-2.80

All Primes and supplements for projects selected after March 1, 2004 or later and Phase II of Phase I/Phase II projects authorized after March 1, 2004 - 2.80.

NOTICE
FOR CHANGE IN
RATES ESCALATED
Effective with the selection of
PTB 139, April 5, 2006

Any Prime agreements prior to PTB 139 and associated supplements will be processed at a rate of no more than 5%.

Beginning with the selection of PTB 139, April 5, 2006, and all associated supplements, the escalation rate will be no more than 3%.

This does not effect the procedure for calculating the agreement's upper limit of compensation nor how to invoice labor. Average hourly rates per employee classifications will still be escalated for each year of the contract and the employees' actual salary is invoiced.

If you have any questions please call Cheryl Cathey at (217) 782-7557.

NOTICE

Construction Guides
and
Manuals – Memorandums

The Department's Construction Guides, Manuals and Memorandum are available on our web-site at the following address: http://www.dot.il.gov/dobuisns.html.

The Manual Sales Order Form is also available at the following address: http://www.dot.il.gov/desenv/orderform.html

NOTICE
CONSULTANT PREQUALIFICATION

April 5, 2007

All engineering consulting firms are responsible for resubmitting the correct portion (entire or corporate and financial) of the Statement of Experience and Financial Condition to remain prequalified. The department **will not** send reminders to submit the Statement of Experience and Financial Condition. NOTE: For firm's fiscal year ending December 31, 2006, your SEFC is required by June 30, 2007. (See submittal requirements under recurring notices, Titled "CONSULTANT PREQUALIFICATION SUBMITTAL TIMES".

Firms that meet the requirements for prequalification receive a letter after the review of the Statement of Experience and Financial Condition that notes the firm's Annual Fee capacity, provisional overhead rate and the date the firm's prequalification ends. The last paragraph of the letter states if the entire or only the corporate and financial portion of the Statement of Experience and Financial Condition is required to remain prequalified.

The last paragraph will state the following when the entire Statement of Experience and Financial Condition is required:

"Your firm is prequalified until [FIRMS FISCAL YEAR ENDING DATE (SPECIFIC TO EACH FIRM)]. You will be given an additional six months from this date to submit the entire "Statement of Experience and Financial Condition" (SEFC) to remain prequalified."

The last paragraph will state the following when the corporate and financial portion is required:

"Your firm is prequalified until [FIRMS FISCAL YEAR ENDING DATE (SPECIFIC TO EACH FIRM)]. You will be given an additional six months from this date to submit the Corporate and Financial Information portion of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified."

Also, in every Professional Transportation Bulletin, under recurring notices, Titled "CONSULTANT PREQUALIFICATION SUBMITTAL TIMES" is a submittal schedule for consulting firms.

The most current Statement of Experience and Financial Condition is required to be submitted for review. An outdated SEFC will not be reviewed. The firm will be contacted and asked to submit the current SEFC. The most current Statement of Experience and Financial Condition (SEFC), Description and Minimum Requirements and a listing of all prequalified consultants are available at: http://www.dot.il.gov/desenv/preqcons.html

NOTICE
CONSULTANT PREQUALIFICATION SUBMITTAL TIMES
April 5, 2007

For firms currently prequalified, the entire Statement of Experience and Financial Condition (SEFC) is required to be submitted every three (3) years.

Firms not prequalified (new firms or firms that lost prequalification) are required to submit the entire Statement of Experience and Financial Condition.

Consultant firms are required to submit the corporate and financial portion of the Statement of Experience and Financial Condition annually to remain prequalified.

Firms are required to report to this office any additions or deletions of licensed professional staff or any other key personnel that would affect the firm's prequalification in a particular category. Notice of changes must be submitted within 15 calendar days of the change.

Firms may request additional categories of prequalification at any time.

After the review of a firm's SEFC is completed, a letter is sent to the firm that denotes in the last paragraph if the entire SEFC is required or if the corporate and financial only is required.

Submittal times are based on the firm's fiscal year; i.e. Firms fiscal year ends Dec. 31, 2006, the Consultant is given a 6 month grace period to submit and therefore has until June 30, 2007 to submit.
The following schedule is attached for your use:

Firm Name beginning with:	2007 Submittal	2008 Submittal	2009 Submittal	2010 Submittal
A through E	Entire SEFC	Corp. & Financial	Corp. & Financial	Entire SEFC
F through N	Corp. & Financial	Entire SEFC	Corp. & Financial	Corp. & Financial
O through Z	Corp. & Financial	Corp. & Financial	Entire SEFC	Corp. & Financial

The Corporate and Financial Portion of the Statement of Experience and Financial Condition consists of pages 1, 2 and 10 through 20.

The most current Statement of Experience and Financial Condition is required to be submitted for review. An outdated SEFC will not be reviewed. The firm will be contacted and asked to submit the current SEFC.

The most current Statement of Experience and Financial Condition (SEFC), Description and Minimum Requirements and a listing of all prequalified consultants are available at:
http://www.dot.il.gov/desenv/preqcons.html

NOTICE
APRIL 5, 2007

FORMULA FOR COST PLUS FIXED FEE METHOD OF COMPENSATION

Effective on projects advertised in PTB 144 (April 5, 2007) and for all supplemental agreements received on or after June 13, 2007 the fee portion of the Cost-Plus-Fixed-Fee method of compensation will change. The compensation for this method will be:

Compensation = DL+DC+OH+FF

Where FF:

For Prime Consultant is:
(0.37+ R)DL+%DL

When % is:
1 or 2 sub-consultants = 10% of Direct Labor (DL) of Subs
3 or 4 sub-consultants = 12% of Direct Labor (DL) of Subs
5 or more sub-consultants = 15% of Direct Labor (DL) of Subs

Sub-Consultants
0.37 DL

Where:
R= Complexity Factor: 0, 0.035, or 0.07
DL = Direct Labor
DC= Direct Cost
OH= Overhead Rate

NOTICE
DBE FIRMS AND PROJECT GOALS

The firms noted on the List of Pre-qualified Consultants on IDOT's website (www.dot.il.gov/desenv/preqcons.html) are firms certified as a DBE in specified areas. It is the responsibility of any prime consultant firm to go to the **Illinois Unified Certification Program** web site (www.dot.il.gov/ucp/ucp.html) to verify the subconsultant is certified as a DBE in the area of work the sub will be performing on a specific project. Only the pre-qualified areas of work the DBE firm is certified in as a DBE will be considered toward the project's DBE goal.

Each list of tasks specified on a DBE's Cost Estimate Consultant Services (CECS) will be verified for DBE certification beginning January 1, 2007.

If you have any questions on DBE certification, please contact Carol Lyle in the Office o Business and Workforce Diversity. Any questions on prequalification, please contact Cheryl Cathey.

ILLINOIS DEPARTMENT OF TRANSPORTATION
NOTICE
For
VENDOR DELINQUENT DEBT

April 5, 2007

We are receiving delinquent debt forms with incorrect dates, PTB numbers and items. It appears that previously used forms are being modified and submitted.

Therefore, effective with PTB 144, if the PTB number and/or item(s) stated conflict with the prime's information on page one of the Delinquent Debt form, the firm will be notified and asked to resubmit the BDE 3000 form. Forms must also be dated correctly. Until the document is submitted correctly the firm will not be considered for selection.

An example (with instruction) of a completed Delinquent Form is included.

EXAMPLE ONLY (RED TEXT IS FOR INFORMATION ONLY)

Illinois Department of Transportation

Delinquent Debt Certification

PTB # 142 & Item(s) # 2, 3, & 5

List all items the prime has in for the Professional Transportation Bulletin

Delinquent Payment. The CONSULTANT certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11 prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with the State agency if it, or any affiliate, has failed to collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The CONSULTANT further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the CONSULTANT or any affiliate is determined to be delinquent in the payment of any debt to the State during the term of the contract.

I certify that ABC Engineering, Inc. (Firm Name) with the FEIN or SSN of 555-55-5555

is in compliance with the Delinquent Payment Statement as stated above.
SIGN AND DATE with signature for applicable firm. DO NOT SIGN FOR SUBS

Signature Date

List all known subconsultants and the PTB item(s):

Joes Engineers, Inc. Item 2 & 5
Bridge, Inc. Item 3
Survey Corp. Inc. Item 2, 3 and 5

One Adobe PDF document must be submitted with the Statement of Interest for the prime and the single file must contain each known subconsultant the prime will be using.

Label with firm code and DP and submit as an Adobe PDF document.

Example:
Firm SOI CODE: (abcengDP.pdf) this would be one document containing the prime's statement of compliance and this file would also contain the subconsultant(s) certification of compliance.

FOR THIS EXAMPLE: This would be submitted as one PDF file and would be named "ABCENGDP.pdf". The file would contain four pages, consisting of one for the prime and one for each subconsultant. If the PTB number and/or item(s) stated conflict with the prime's information on page one, the firm will be notified and asked to resubmit the BDE 3000 form. Forms must be dated correctly. Until the document is submitted correctly the firm will not be considered for the PTB.

EXAMPLE ONLY (RED TEXT IS FOR INFORMATION ONLY)

Illinois Department of Transportation

Delinquent Debt Certification

PTB # 142 **&** **Item(s) #** 2 & 5

List only the items the sub is doing for this particular prime. If a subconsultant is doing work for multiple primes on the PTB, then the subconsultant must submit for each prime.

Delinquent Payment. The CONSULTANT certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11 prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with the State agency if it, or any affiliate, has failed to collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The CONSULTANT further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the CONSULTANT or any affiliate is determined to be delinquent in the payment of any debt to the State during the term of the contract.

Page 2 would be for subconsultant

I certify that **Joes Engineers, Inc.** with the FEIN or SSN of **666-66-6666**
(Firm Name)

is in compliance with the Delinquent Payment Statement as stated above.

Signed and dated by applicable subconsultant firm

Signature Date

List all known subconsultants and the PTB item(s):

N/A

One Adobe PDF document must be submitted with the Statement of Interest for the prime and the single file must contain each known subconsultant the prime will be using.

Label with firm code and DP and submit as an Adobe PDF document.

Example:
Firm SOI CODE: (abcengDP.pdf) this would be one document containing the prime's statement of compliance and this file would also contain the subconsultant(s) certification of compliance.

EXAMPLE ONLY (RED TEXT IS FOR INFORMATION ONLY)

Illinois Department of Transportation

Delinquent Debt Certification

PTB # 142 **&** **Item(s) #** 3

List only the items the sub is doing for this particular prime. If a subconsultant is doing work for multiple primes on the PTB, then the subconsultant must submit for each prime.

Delinquent Payment. The CONSULTANT certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11 prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with the State agency if it, or any affiliate, has failed to collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The CONSULTANT further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the CONSULTANT or any affiliate is determined to be delinquent in the payment of any debt to the State during the term of the contract.

Page 3 would be for subconsultant

I certify that **Bridge, Inc.** with the FEIN or SSN of **777-77-7777**
(Firm Name)

is in compliance with the Delinquent Payment Statement as stated above.

Signed and dated by applicable subconsultant firm

Signature Date

List all known subconsultants and the PTB item(s):

N/A

One Adobe PDF document must be submitted with the Statement of Interest for the prime and the single file must contain each known subconsultant the prime will be using.

Label with firm code and DP and submit as an Adobe PDF document.

Example:
Firm SOI CODE: (abcengDP.pdf) this would be one document containing the prime's statement of compliance and this file would also contain the subconsultant(s) certification of compliance.

EXAMPLE ONLY (RED TEXT IS FOR INFORMATION ONLY)

Illinois Department of Transportation

Delinquent Debt Certification

PTB # 142 **&** **Item(s) #** 2, 3 & 5

List only the items the sub is doing for this particular prime. If a subconsultant is doing work for multiple primes on the PTB, then the subconsultant must submit for each prime.

Delinquent Payment. The CONSULTANT certifies that it, or any affiliate, is not barred from being awarded a contract under 30 ILCS 500. Section 50-11 prohibits a person from entering into a contract with a State agency if it knows or should know that it, or any affiliate, is delinquent in the payment of any debt to the State as defined by the Debt Collection Board. Section 50-12 prohibits a person from entering into a contract with the State agency if it, or any affiliate, has failed to collect and remit Illinois Use Tax on all sales of tangible personal property into the State of Illinois in accordance with the provisions of the Illinois Use Tax Act. The CONSULTANT further acknowledges that the contracting State agency may declare the contract void if this certification is false or if the CONSULTANT or any affiliate is determined to be delinquent in the payment of any debt to the State during the term of the contract.

Page 4 would be for subconsultant

I certify that Survey Corp., Inc. (Firm Name) with the FEIN or SSN of 888-88-8888

is in compliance with the Delinquent Payment Statement as stated above.

Signed and dated by applicable subconsultant firm

Signature Date

List all known subconsultants and the PTB item(s):

N/A

One Adobe PDF document must be submitted with the Statement of Interest for the prime and the single file must contain each known subconsultant the prime will be using.

Label with firm code and DP and submit as an Adobe PDF document.

Example:
Firm SOI CODE: (abcengDP.pdf) this would be one document containing the prime's statement of compliance and this file would also contain the subconsultant(s) certification of compliance.

“Special Notice Regarding Disadvantaged Business Enterprises”

The Illinois Department of Transportation (IDOT) has designated various projects advertised in the Professional Transportation Bulletin as requiring participation by Disadvantaged Business Enterprises (DBEs). As a condition for any firm to be considered for a project requiring DBE participation, it must subcontract a minimum of the designated percent to a DBE. Each firm’s letter must include a statement that it intends to subcontract the designated percent to a DBE. The Exhibit A in the Statement of Interest must include the DBE Consultant and the category of work they are going to perform.

To be considered as a prime consultant or subconsultant, a DBE must be prequalified with IDOT’s Division of Highways’ Bureau of Design and Environment (BDE). IDOT’s Bureau of Small Business Enterprises (SBE) maintains a Disadvantaged Business Enterprises Directory of certified DBEs for the purpose of providing a reference source to assist firms. You can view/print and download the most current listing of DBE firms at IDOT’s web site http://www.dot.il.gov under “Doing Business” “Small Business Enterprises” “Disadvantaged Business Enterprises (DBE) Program/IL UCP DBE Directory.” DBE firms who are prequalified by BDE and are interested in performing consultant work are listed under the UCP Directory by Category, Architecture/Engineering Sorted by firm. Any firm desiring to subcontract work to firms that are not certified DBEs should encourage them to become certified by contacting SBE’s Certification Section at (217) 782-5490.

Failure to assign at least the designated percent to one or more DBEs or to demonstrate that a good faith effort was made to assign the designated percent shall result in one of the following:

1. Notification to the prime consultant that the Agreement will not be signed until the percentage of DBE participation is met.

2. The Agreement will be signed with the understanding that payments to the prime consultant will be reduced by an amount determined by multiplying the total Agreement fee by the designated percent and subtracting the dollar value of DBE subcontracts.

3. Contract negotiations will be terminated.

Upon completion of the contract, should it be determined the prime consultant failed to assign the designated percent to an eligible DBE or demonstrated that a good faith effort was made to assign the designated percent as agreed upon, payment to the prime consultant will be reduced by the amount set forth in number 2 above.

A complaint regarding any decision rendered by or action by any Division or Office of IDOT pursuant to these requirements may be filed with the Secretary of IDOT.

NOTICE FOR DOCUMENTATION OF CONTRACT QUANTITIES

Information regarding the Documentation of Contract Quantities can now be found on our web site (www.dot.il.gov) under Public Partners. The registration form, registration process and class format is available.

If you have questions regarding this class or the content on the web page, please email cbctraining@dot.il.gov.

NOTICE OF ELECTRONIC SIGNATURES

In order for us to verify your scanned in signature (on cover letters, Exhibit A, Disclosure Forms A and B, and Delinquent Payment Form) we request that you complete the Signature Certification for Electronic Submittals form and submit it to us in **hard-copy** immediately. A signature certification form must be completed for each individual that will be signing any of the above mentioned documents. **If you have previously submitted your Signature Certification and no new individual will be signing the documents you are not required to re-submit the document.**

Send Submittal to:
Illinois Department of Transportation
Ms. Cheryl Cathey
Bureau of Design and Environment
Attn: Consultant Unit (Room 330)
2300 South Dirksen Parkway
Springfield, IL 62764

If you have questions, please contact Carrie Kowalski at: Carrie.Kowalski@illinois.gov

Signature Certification for Electronic Submittal

Signature Certification For Electronic Submittals

I certify that my electronically scanned-in signature appearing in future electronic Statements of Interest and associated documents submitted by our firm is authorized to be affixed by the person doing so and will be binding on the firm.

_____ _____ _____

(Firm) (Signature) (Title)

STATE OF _____

COUNTY OF _____ I, _____

a Notary Public in and for the County and State aforesaid, DO HEREBY CERTIFY that

_____

known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (he/she) signed, sealed and delivered the said instrument as a free and voluntary act, for the uses and purposes therein set forth.

GIVEN under my hand and Notary Seal this _____ day of _____A.D. _____.

_____

NOTARY PUBLIC

Notice
Of Requirement For
Illinois Department Of Human Rights (IDHR)
Public Contract Number

Following selection, contract all proposal packages submitted to the Illinois Department of Transportation (IDOT) must contain the firm's IDHR number and the expiration date. The Department is required by law to require this number from all parties contracting with the State of Illinois. If your firm currently does not have an IDHR number the application form may be obtained from the following web-site www.state.il.us/dhr/ or may also be obtained by contacting:

DHR, Public Contracts Section
Public Contracts Division
100 W. Randolph,
Suite 10-100
Chicago, IL 60601

or by calling: 312-814-2432 (TDD 312-263-1579)

NOTE: An IDHR public contract number is not required if the firm employs fewer than 15 employees.

NOTICE FOR JOINT VENTURE

Statements submitted by Joint Ventures will be considered. The Joint Venture, Agreement signed by all parties, must be included with the statement of interest. The Joint Venture entity will have the sum of the individual firm's prequalification, capacity and evaluation history. IDOT **does not** have a form for joint venture agreements. The firms submitting as a joint venture are required to obtain and submit the joint venture agreement.

The required insurance coverage applies to the Joint Venture entity.

The Joint Venture entity will submit one statement of interest with the following specified:

- the party who will be the managing firm
- the firm responsible for each prequalification category
- each individual firm's work left, disclosure forms and delinquent dept forms.
- the firm responsible for invoicing
- One Exhibit A plus other required documents specified in the PTB combining the information for all firms. (Indicate personnel name and firm name on exhibit A for key staff)

EXHIBIT A EXAMPLE:

Name Required Prequalification Category :
Location Drainage

*Name Mr. John Smith (ABC Engineering Assoc.)

Category PE (PE, SE, LS)
Registration # 62012345
Year Registered 1995 State IL
Office Location:
City Chicago State IL

A firm planning to submit a Statements of Interest as a joint venture is required to contact the department for a new Statements of Interest Code. Contact Carrie Kowalski by e-mail at Carrie.Kowalski@illinois.gov. The code is required so that the joint venture proposal is recognized as a joint venture.

NOTICE

Mobilization on Phase 3 Consultant Contracts

As of December 8, 2005 mobilization may be negotiated on Phase 3 contracts. Mobilization is a negotiated amount based on the demonstrated need (up to 3% of the upper limit of labor in the agreement), which a consultant may invoice the department for upon execution of the agreement. Half of the mobilization amount will then be deducted from the invoice billing at 25% of the project's completion and the second ½ from the invoice billing for 50% of the project's completion.

Note: This is **not** an additional amount of compensation above the prime agreement amount.

Implementation:

- Phase 3 contracts only
- Firm must show during negotiations, the need for mobilization based upon demonstrated costs to be incurred prior to commencement of performance of agreement services.
- Initially the mobilization will not be available on federally funded consultant agreements,
- Mobilization will be eligible in the Start-up Agreements. The amount shown will be no more that 3% of the Start-up Agreement amount. That amount could be invoiced immediately upon execution of the start-up agreement. The remainder of the mobilization would be specified in the prime agreement and invoiced upon execution of the prime agreement.
- New Invoices for phase 3 contracts will be developed for use for contracts with mobilization. The invoice will show the total mobilization in the contract, the outstanding mobilization balance before the current invoice and the outstanding balance after the current invoice.
- The mobilization dollar amount will be shown in the phase 3 contracts and the following clause will be added to contracts revising the Standard Agreement for Consultant Services:

New Section 2.81 (h):

2.81 PARTIAL PAYMENTS/INVOICES

h) Construction Engineering Agreements may include a provision for mobilization. If mobilization has been negotiated with the CONSULTANT as part of the method of payment; the mobilization shall be made and recovered in accordance with the provisions of this subsection. The mobilization amount negotiated shall be no more than 3% of the labor upper limit of compensation specified in Section 4 of the Prime Agreement. Upon execution of the AGREEMENT, the CONSULTANT may invoice for the mobilization amount. After payment, half of the mobilization shall be shown as a deduction from the invoice billing at 25% of the project's completion and the second half from the invoice billing for 50% of the project's completion.

Overtime Billing
for
Engineering Consultant Contracts

The engineering consultant firm may bill overtime in accordance with Section 2.86 of the Standard Agreement Provisions and the following. When the employee in the same pay period, has worked on more than one project, the amount premium wages charged to a project must be in direct proportion to the total number of hours the employee worked in that pay period. (i.e. total hours worked in pay period = 50 hours (10 of which are premium hours), 25 total hours for the pay period on the project, 5 hours of overtime may be charged to the project.)

NOTICE
For
Prequalification of Consultants & DBE Revisions

Prequalification:
As stated in each Professional Transportation Bulletin under the guidelines:

Consultant firms acting as prime must be prequalified in all of the advertised areas listed in the project advertisement even if they plan to subcontract part of the project, except where noted in a specific project advertisement. If the prime is not prequalified in the required category(s) stated in the project advertisement, that firm's Statements of Interest cannot be considered for the item.

Within the Statements of Interest (Exhibit A page 3 of 3) the prime must identify any subconsultants and the item(s) of work they will perform. Subconsultants must be prequalified in the category of work they will be performing.

Also as stated in the Standard Agreement Provisions: 2.24 SUBLETTING, ASSIGNMENT OR TRANSFER:

Subconsultants must be prequalified in accordance with the department requirements. For specialized services that are required but which do not fall into the areas of prequalification of the department, a non-prequalified firm may be used with department approval.

DBE Participation:
The U.S. DOT regulation, 49CFR Sec. 26.55(a), states, "When a DBE participates in a contract, you count only the value of the work actually performed by the DBE toward the DBE goals." The IDOT and U.S. DOT regulations further state:

> When a DBE subcontracts part of the work its contract to another firm, the value of the subcontracted work may be counted toward DBE goals only if the DBE's subcontractor is itself a DBE. Work that a DBE subcontracts to a non-DBE firm does not count toward DBE goals.

Effective immediately all subconsultant proposals where a DBE is utilized for the main contract and it is necessary for them to obtain non professional services which would be listed as a direct cost, the amount of those services will not apply to the DBE goal. For example if a DBE geotechnical firm is being used and they use a non-DBE drilling company to do the borings, the cost for this work will not apply to the DBE goal.

However any direct costs incidental to doing the work, per diem, hotel costs etc. will still counted toward the goal.

NOTICE

QUALITY ASSURANCE PREQUALIFICATION CATEGORY

This notice is important for consultants who are, or wish to be, prequalified in the Quality Assurance (QA) prequalification category. The requirement for accreditation of QA Testing laboratories was phased in over time and is now required.

QA Testing labs must be fully accredited to be considered for any new contracts or to renew prequalification.

Note: Neither prequalification nor accreditation is required for consultants working directly for contractors, performing Quality Control (QC) activities.

Synopsis of requirements:

- The laboratory must be accredited under the AASHTO Accreditation Program (AAP). The AAP requires on-site inspections and participation in proficiency sample programs. The Portland cement concrete (PCC) inspections and proficiency programs are conducted by the Cement and Concrete Reference Laboratory (CCRL). The hot-mix asphalt (HMA) programs are conducted by the AASHTO Materials Reference Laboratory (AMRL). Either CCRL or AMRL can conduct the aggregate program for your lab. Both AMRL and CCRL are scheduled to be in Illinois this year.

- The laboratory shall be accredited in all of the test procedures specified in Bureau of Materials and Physical Research (BMPR) Policy Memorandum "Minimum Private Laboratory Requirements for Construction Materials Testing or Mix Design." The current policy (2001-01)can be found in the Manual of Test Procedures for Materials. An update is scheduled to be published soon and may be viewed or downloaded from the Department's Web site.

- Personnel performing materials testing for aggregate, PCC, and HMA shall have completed the appropriate QC/QA trained technician classes. Personnel performing soils field tests shall have completed IDOT class S-33, "Standard Earth Density."

The description of the prequalification categories, the SEFC, and the BMPR Policy Memo may be viewed or downloaded from the IDOT Internet Site: http:// www.dot.il.gov

Information about the AAP accreditation and AMRL programs may be found on the AMRL Web Site: http://patapsco.nist.gov/amrl/home/index.asp

Information about the CCRL inspection and proficiency sample programs may be found on the CCRL Web Site: http://www.bfrl.nist.gov/862/ccrl/front.htm

Questions may be addressed to your District Materials Engineer or the Central Bureau of Materials and Physical Research.

Notice
Concerning
Exhibits A and B
Current Obligations
Disclosure Forms A and B
Delinquent Dept Certification Form

Please review the documents listed above and use the latest version when submitting a Statement of Interest for the Professional Transportation Bulletin.

The Exhibits, Current Obligations, Disclosure and Delinquent Dept Forms are available as Word documents and may be downloaded from our web-site:

http://www.dot.il.gov/desenv/deform.html

The bookmarks, listed in the bulletin, for the Exhibits, Current Obligations, Disclosure and Delinquent Dept Forms are also linked to the web-site.

The Word documents are labeled as follows:

Exhibit A = **BDE XHBT- A**
Exhibit B = **BDE XHBT- B**
Current Obligation Form = **BDE CUR - OB**
Disclosure Forms = **DISC2**
Delinquent Payment Form **= BDE 3000**

NOTICE
Construction and Quality Assurance Consultants
S 33- Geotechnical Field Testing and Inspection Class

Professional Transportation Bulletin 117 included a notice that S 33 is a required class for technicians performing soil tests on construction projects. This includes consultant personnel providing Construction Inspection or Quality Assurance Testing on Department projects. The Department will schedule sessions of this class after determining the demand. Below is a description of the class and sign-up information.

Course Objectives
The student will be able to do the following: 1. Determine the Standard Dry Density and Optimum Moisture content of soil or soil mix according to AASHTO T 99. 2. Determine in-place density in accordance with approved test procedures. 3. Select the correct soil curve by the use of a one-point proctor and/or textural classification of the soils. 4. Determine the moisture content of a soil by either laboratory or field methods. 5. Perform validity checks of the soils test results. 6. Report test results in accordance with departmental requirements.

Prerequisites:
1. One year of college level technical training or six months experience, or consent of the course instructor;
2. High school math, including ability to calculate percentages.

Course Length:
Two Days, including written examination.

Cost:
There is no cost to consultants.

Location:
District One, District Eight, and other locations determined by demand.

Schedule:
As determined by demand; late fall, winter, and early spring.

To Register:
Mail or Fax a note or e-mail Brad Risinger in the Technical Training Unit. For each proposed registrant, provide name, firm name, address, phone, FAX and e-mail. Please list multiple registrants in priority order, since seating in initial classes may be limited.

Brad Risinger
IDOT- Technical Training Unit
313 Hanley Building
2300 S. Dirksen Parkway
Springfield, IL 62764
217 782-0128
FAX 217 524-7260
Brad.Risinger@illinois.gov

NOTICE
FOR
STRUCTURAL DESIGN SPECIFICATIONS

Structure Design Specification Selection Table: All highway structures advertised within PTB-141 and in future bulletins shall be designed using the design specifications indicated in the table below unless otherwise specified by the Department.

STRUCTURAL DESIGN SPECIFICATION SELECTION TABLE:	
New or Complete Replacement Structure Projects:	
PPC Deck Beams, Retaining Walls & Concrete Culverts	AASHTO Standard Spec. for Highway Bridges
All Other Structure Types	AASHTO LRFD Bridge Design Spec.
Structure Rehabilitation Projects:	
For existing ASD or LFD Designs	AASHTO Standard Spec. for Highway Bridges
For existing LRFD Designs	AASHTO LRFD Bridge Design Spec.

LRFD: Load Resistance Factor Design
LFD: Load Factor Design
ASD: Allowable Stress Design

NOTICE OF TRAINING OPPORTUNITY

LAKELAND COLLEGE TRAINING COURSES

Lakeland College will be conducting QC/QA Training again this year. Please visit the web-site for further information. Information or schedules can also be obtained by contacting Marlene Browning.

Marlene K. Browning
Lake Land College
5001 Lake Land Blvd.
Mattoon, IL 61938-9336
Phone: (217) 234-5285
Fax: (217) 234-5381 E-Mail: idotqcqa@lakeland.cc.il.us
Internet Homepage: http://www.lakeland.cc.il.us/idotqcqa

NATIONAL HIGHWAY INSTITUTE (NHI) COURSES

The National Highway Institute (NHI) Course listing as well as other pertinent information is available at the following address:

http://www.nhi.fhwa.dot.gov/default.asp

NATIONAL TRANSIT INSTITUTE (NTI) COURSES

The National Transit Institute (NTI) Course listing as well as other pertinent information is available at the following address:

http://www.ntionline.com/Courses.asp