

**ENGINEERING AND RELATED SERVICES  
SEPTEMBER 6, 2013**

**CONTRACT NO. 4400004010  
STATE PROJECT NO. H.010319  
F.A.P. NO. H010319  
I-110: NORTH STREET-PLANK ROAD  
ROUTE I-110  
EAST BATON ROUGE PARISH**

**DBE/WBE GOAL = 2%**

Under Authority granted by Title 48 of Louisiana Revised Statutes, the Louisiana Department of Transportation and Development (DOTD) hereby issues a Request for Qualification Statements (RFQ) on DOTD Form 24-102 (24-102), "Professional Engineering and Related Services", revised November 2011, from Consulting Firms (Consultant) to provide engineering and related services. **All requirements of Louisiana Professional Engineering and Land Surveying (LAPELS) Board must be met at the time of submittal.** One Prime-Consultant/Sub-Consultant(s) will be selected for this Contract.

**Project Manager – Mr. Darrell Moore**

All inquiries concerning this advertisement should be sent in writing to Alan.Dale@LA.gov.

**PROJECT DESCRIPTION**

The selected Consultant will provide topographic surveying services in preparation for rehabilitation of existing pavement and storm drainage structures along I-110 between North Street and Plank Road in downtown Baton Rouge in East Baton Rouge parish.

**SCOPE OF SERVICES**

The services to be rendered for this Project shall consist of the following Stage and Part:

Stage 3: Design

Part I: Surveying Services

(a) Topographic Survey

This project is located in Baton Rouge, Louisiana. This project is a topographic survey for rehabilitation of existing pavement and storm drainage structures along I-110 between North Street and Plank Road in downtown Baton Rouge. A full Topographic Survey will be required along this portion of the Existing Route of I-110 and several overpasses and exit/entrance ramps between the described limits. The topographic survey shall include all topographic features and attributes that a normal full topographic survey would

include. This project shall be completed in accordance with the Location and Survey Manual and all current accepted Location and Survey Electronic Inroads Survey procedures.

The survey will begin at the northern end of the I-110 overpass bridge over downtown Baton Rouge. (Just north of North Street Log mile: 1.10) From this Point the survey will proceed in a northerly and easterly direction along I-110 for approximately 7500 feet to southern end of the I-110 overpass over Plank Road. (Log mile: 2.52) The width of the Survey and DTM will vary, but Survey and DTM should be 75 feet East and 75 West of the Existing Alignment of I-110 at a minimum. Refer to the attached sketch for detailed limits of this project.

Due to high traffic volumes and safety concerns associated with this project, Stationary Terrestrial Laser Scanning was considered when developing this scope and man hours. Stationary Terrestrial Laser Scanning should only be used on the hard surface areas, such as Roadway and Bridge structures and shall meet the accuracy's specified in the Location Survey Manual. The deliverables shall include all normal Survey Inroads deliverables along with all point clouds collected.

Permission of land owners shall be acquired by the Consultant before entering any property associated with this description.

The project alignments shall be established using the existing centerline of I-110.

All work to be done in the English units of measurement.

A drainage map is required including all inverts of all pipes within 300 feet of the survey limits.

### **ELECTRONIC DELIVERABLES**

The Consultant hereby agrees to produce electronic deliverables in conformance with the "DOTD Software and Deliverable Standards for Electronic Plans" as outlined at:

[http://www.dotd.louisiana.gov/highways/project\\_devel/design/electronic\\_standards\\_disclaimer.asp](http://www.dotd.louisiana.gov/highways/project_devel/design/electronic_standards_disclaimer.asp).

The Consultant shall download and apply the latest CADD standards. The Consultant hereby agrees to install incremental updates to software and CADD standards as instructed by the Project Manager. Such updates will not have a significant impact on the development time or delivery date for project plans, or require the Consultant to purchase additional software.

In the event that any electronic standard conflicts with written documentation, including the La. DOTD plan-development manuals, the electronic standard typically governs. The Consultant is responsible for contacting the Project Manager should questions arise.

Plan deliveries shall be made on CD or DVD media and labeled with media-compatible indelible ink on separate lines as follows:

State Project Number

“Final Plans Submittal”, “60% ACP Submittal” (or other milestone)

“Electronic Deliverables”

Consultant Firm Name

The CD/DVD shall be delivered with a signed cover letter that includes, among the formalities, a deliverable “hash” code that is documented in a report generated by the Control CADD Indexer Submittal tool. The hash code is used to verify that the CD is authentic. At any stage of the plan development process, the Project Manager may require plan delivery by other methods including, but not limited to, upload to the DOTD Project Wise repository.

### **QUALITY CONTROL/QUALITY ASSURANCE**

The DOTD requires the Consultant to develop a Quality Control/Quality Assurance program; in order to provide a mechanism by which all contracted services can be subject to a systematic and consistent review. Consultants must ensure quality and adhere to established design policies, procedures, standards, and guidelines in the preparation and review of all design products. The DOTD shall provide limited input and technical assistance to the Consultant.

### **CONTRACT TIME**

The Consultant shall proceed with the services specified herein after the execution of this Contract and upon written Notice-to-Proceed (NTP) from the DOTD and shall be completed within **365 calendar days**, which includes review time. The delivery schedule for all project deliverables shall be established by the Project Manager.

### **COMPENSATION**

Compensation to the Consultant for services rendered in connection with this contract will be non-negotiated lump sum in the amount of **\$306,794**.

### **REFERENCES**

All services and documents will meet the standard requirements as to format and content of the DOTD; and will be prepared in accordance with the latest applicable editions, supplements and revisions of the following:

- 1) AASHTO LRFD Bridge Design Specifications
- 2) AASHTO/ASTM Standards and/or DOTD Test Procedures
- 3) DOTD Standard Specifications for Roads and Bridges

- 4) DOTD Roadway Design Procedures and Details
- 5) Manual on Uniform Traffic Control Devices (Millennium Edition)
- 6) DOTD Traffic Signal Design Manual
- 7) National Environmental Policy Act (NEPA)
- 8) National Electric Code
- 9) DOTD Environmental Impact Procedures (Vols I-III)
- 10) Policy on Geometric Design of Highways and Streets
- 11) Construction Contract Administration Manual
- 12) Materials Sampling Manual
- 13) DOTD Bridge Design Manual
- 14) Consultant Contract Services Manual
- 15) Geotechnical Engineering Services Document
- 16) AASHTO Manual for Condition Evaluation of Bridges
- 17) Manual for Maintenance Inspection for Bridges
- 18) Bridge Inspectors Reference Manual
- 19) AASHTO Manual for Condition Evaluation and Load and Resistance Factor Rating (LRFR) of Highway Bridges
- 20) DOTD LRFD Bridge Design Manual (Including Technical Memoranda)
- 21) Subsurface Investigations Manual, Publication No. FHWA HI-97-021, Nov. 1997;
- 22) Manual On Subsurface Investigations, Published by AASHTO, 1988;
- 23) AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing, PART I – SPECIFICATIONS and PART II – TESTS, current edition;
- 24) ASTM Procedures and Regulations, current edition;
- 25) Earth Retaining Structures, Participants Manual, FHWA-NHI-99-025, 1999;
- 26) Earth Retaining Systems, Geotechnical Engineering Circular No. 2, Publication No. FHWA-SA-96-038, February 1996;
- 27) Design of MSE Walls and Reinforced Slopes, FHWA NHI-10-024 Vol. I and NHI-10-025 Vol. II, 2009;
- 28) Geotechnical Instrumentation Manual, Publication No. FHWA HI-98-034, October 1998;
- 29) Drilled Shafts: Construction Procedures and LRFD Design Methods, Publication No. FHWA-NHI-10-016, May 2010;
- 30) Soils and Foundations Workshop Manual, Publication No. FHWA NHI-00-045, August 2000;
- 31) Geosynthetic Design and Construction Guidelines Manual, Publication No. FHWA HI-95-038, April 1998;
- 32) Ground Improvement Technical Summaries, DP 116, Publication No. FHWA-SA-98-086;
- 33) Design and Construction of Driven Pile Foundations Reference Manual, Volumes 1 & 2, Publications No. FHWA-NHI-05-042 and FHWA-NHI-05-043, 2006;
- 34) Soil Nail Walls, Geotechnical Engineering Circular No. 7, Publication No. FHWA-IF-03-017, March 2003;

35) Soil Nailing Field Inspectors Manual, (DP 103), Publication No. FHWA-SA-93-068, April 1994.

Follow link below for the individual reference links:

<http://webmail.dotd.louisiana.gov/ContWEB.nsf/b88769326453bef886256fe00047183a/18fc2860512aba5886257a62006133b8?OpenDocument>

### **MINIMUM PERSONNEL REQUIREMENTS**

The following requirements must be met by the Prime-Consultant at the time of submittal:

1. At least one Principal of the Prime Consultant must be a Professional Land Surveyor or a Professional Engineer, registered in the State of Louisiana.
2. In addition to the above requirements, the Consultant must also employ on a full-time basis:
  - a. One Professional Land Surveyor registered in the State of Louisiana, with at least three (3) years in conducting topographic surveys for LADOTD, and a corresponding support staff.

**Training Certifications/Certifications of Compliance must be submitted with and made part of the Consultants DOTD Form 24-102 for all Personnel Requirements listed herein.**

### **EVALUATION CRITERIA**

The general criteria to be used by DOTD (when applicable) in evaluating responses for the selection of a Consultant to perform these services are:

1. Consultant's firm experience on similar projects, weighting factor of 3;
2. Consultant's personnel experience on similar projects, weighting factor of 4;
3. Consultant's firm size as related to the estimated project cost, weighting factor of 3;
4. Consultant's past performance on similar DOTD projects, weighting factor of 6; \*\*
5. Consultant's current work load with DOTD, weighting factor of 5;
6. Location where the work will be performed, weighting factor of 4;

\*\* The Survey (SV) and Location and Survey (LS) performance ratings will be used for this project.

Complexity Level : **Simple**

Consultants will be evaluated as indicated in Items 1- 6. The evaluation will be by means of a point-based rating system. Each of the above criteria will receive a rating on a scale of 0-4. The rating will then be multiplied by the corresponding weighting factor. The firm's rating in each category will then be added to arrive at the Consultant's final rating.

If Sub-Consultants are used the Prime Consultant must perform a minimum of 51% of the work for the overall project. Each member of the Consultant/Team will be evaluated on their part of the contract, proportional to the amount of their work. The individual team member ratings will then be added to arrive at the Consultant/Team rating.

#### Communication Protocol

DOTD's Project Evaluation Team will be responsible for performing the above described evaluation, and will present a short-list of the three (if three are qualified) highest rated Consultants to the Secretary of the DOTD. The Secretary will make the final selection. **Below are the proposed Team members. DOTD may substitute for any reason provided the members meet the requirements of R.S. 48:291.**

1. Alan Dale – Ex officio
2. Darrell Moore – Project Manager
3. Bart Rumsey
4. Joseph Arretteig
5. Keith Fornier
6. Stanley Ard

#### Rules of Contact (Title 48 Engineering and Related Services)

These rules are designed to promote a fair, unbiased, legally defensible selection process. The LA DOTD is the single source of information regarding the Contract selection. The following rules of contact will apply during the Contract selection process and will commence on the date of advertisement and cease at the contract execution of the selected firm. Contact includes face-to-face, telephone, facsimile, Electronic-mail (E-mail), or formal written communications. Any contact determined to be improper, at the sole discretion of the LA DOTD, may result in the rejection of the submittal (24-102):

- A. The Consultant shall correspond with the LA DOTD regarding this advertisement only through the LA DOTD Consultant Contracts Services Administrator;
- B. Neither the Consultant, nor any other party on behalf of the Consultant, shall contact any LA DOTD employees, including but not limited to, department heads; members of the evaluation teams; and any official who may participate in the decision to award the contract resulting from this advertisement except through the process identified above. Contact between Consultant organizations and LA DOTD employees is allowed during LA DOTD sponsored one-on-one meetings;
- C. Any communication determined to be improper, at the sole discretion of the LA DOTD, may result in the rejection of submittal, at the sole discretion of the LA DOTD;
- D. Any official information regarding the project will be disseminated from the LA DOTD'S designated representative on the LA DOTD website. Any official correspondence will be in writing;

- E. The LA DOTD will not be responsible for any verbal exchange or any other information or exchange that occurs outside the official process specified herein.

**By submission of a response to this RFQ, the Consultant agrees to the communication protocol herein.**

### **CONTRACT REQUIREMENTS**

The selected Consultant will be required to execute the contract within 10 days after receipt of the contract.

**INSURANCE** - During the term of this contract, the Consultant will carry professional liability insurance in the amount of \$1,000,000. The Prime-Consultant may require the Sub-Consultant(s) to carry professional liability insurance. This insurance will be written on a “claims-made” basis. Prior to executing the contract, the Consultant will provide a Certificate of Insurance to DOTD showing evidence of such professional liability insurance.

**AUDIT** - The selected Consultant/Team will allow the DOTD Audit Section to perform an annual overhead audit of their books, or provide an *independent* Certified Public Accountant (CPA) audited overhead rate. This rate must be developed using Federal Acquisition Regulations (FAR) and guidelines provided by the DOTD Audit Section. In addition, the Consultant/Team will submit semi-annual labor rate information, when requested by DOTD.

The selected Consultant/Team will maintain an approved Project Cost System, and segregate direct from indirect cost in their General Ledger. Pre-award and post audits, as well as interim audits, may be required. For audit purposes, the selected Consultant/Team will maintain accounting records for a minimum of five years after final contract payment.

**DBE/WBE** - The selected Consultant Team will have a DBE/WBE goal of 2% of the contract fee. DBE/WBE participation will be limited to the firms listed on the LA DOTD UCP DBE Directory which can be found at the following link: <http://www8.dotd.la.gov/UCP/UCPSearch.aspx>. The DOTD Project Manager shall review submitted invoices to determine if the DBE/WBE goals are being achieved. If the Consultant has failed to meet the goal and no good faith efforts have been made, the DOTD Project Manager shall notify the Compliance Section, and at that time the DBE/WBE portion of the Contract fee will be withheld from the Prime Consultant.

Any Consultant currently under contract with the DOTD and who failed to meet all the audit requirements documented in the manual and/or notices posted on the DOTD Consultant Contract Services Website ([www.dotd.louisiana.gov](http://www.dotd.louisiana.gov)), will not be considered for this project.

## **SUBMITTAL REQUIREMENTS**

One original (**stamped “original”**) and **five** copies of the DOTD Form 24-102 must be submitted to DOTD. All submittals must be in accordance with the requirements of this advertisement and the Consultant Contract Services Manual. Any Consultant/Team failing to submit any of the information required on the 24-102, or providing inaccurate information on the 24-102, will be considered non-responsive.

Any Sub-Consultants to be used, including Disadvantaged Business Enterprises (DBE), in performance of this Contract, must also submit a 24-102, which is completely filled out and contains all information pertinent to the work to be performed.

The Sub-Consultant’s 24-102 must be firmly bound to the Consultant’s 24-102. In Section 8, the Consultant’s 24-102 must describe the **work elements** to be performed by the Sub-Consultant(s), and state the approximate **percentage** of each work element to be subcontracted to each Sub-Consultant.

Name(s) of the Consultant/Team listed on the 24-102, must precisely match the name(s) filed with the Louisiana Secretary of State, Corporation Division, and the Louisiana State Board of Registration for Professional Engineers and Land Surveyors.

The DOTD Form 24-102 will be identified with **Contract No. 4400004010, (State Project No. H.010319)** and will be submitted **prior to 3:00 p.m. CST on Monday, September 23, 2013**, by hand delivery or mail, addressed to:

Department of Transportation and Development  
Attn.: Mr. Alan Dale, P.E.  
Consultant Contracts Services Administrator  
1201 Capitol Access Road, **Room 405-T**  
Baton Rouge, LA 70802-4438 or  
Telephone: (225) 379-1401

## **REVISIONS TO THE RFQ**

DOTD reserves the right to revise any part of the RFQ by issuing an addendum to the RFQ at any time. Issuance of this RFQ in no way constitutes a commitment by DOTD to award a contract. DOTD reserves the right to accept or reject, in whole or part, all Qualification Statements submitted, and/or cancel this announcement if it is determined to be in DOTD’s best interest. All materials submitted in response to this announcement become the property of DOTD, and selection or rejection of a submittal does not affect this right. DOTD also reserves the right, at its sole discretion, to waive administrative informalities contained in the RFQ.