

**ENGINEERING AND RELATED SERVICES
MAY 04, 2015**

**CONTRACT NO. 4400005960
RETAINER CONTRACT FOR IN-DEPTH BRIDGE
INSPECTION OF COMPLEX STRUCTURES
STATEWIDE**

DBE GOAL 3%

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. **Consultants who are a Louisiana or foreign LLC or corporation should be appropriately registered with the Louisiana Secretary of State, as contemplated by Title 12 of the Louisiana Revised Statutes, and with LAPELS under it’s rules for FIRMS. If a Consultant fails to place itself in good standing in accordance with those provisions, it may be subject to consequences contemplated in Title 12 and/or the LAPELS rules. All requirements of Louisiana Professional Engineering and Land Surveying (LAPELS) Board must be met and the Prime Consultants shall be registered with the Federal Government using SAM.gov at the time of submittal. One Prime-Consultant will be selected for this Contract.**

DOTD employees may not submit a proposal, nor be included as part of a Consultant’s team.

Project Manager – Ms. Haylye Brown

All inquiries concerning this advertisement should be sent in writing to hadi.shirazi@la.gov and heather.huval@la.gov.

PROJECT DESCRIPTION

The selected Consultant will perform bridge inspection of complex structures such as cantilever trusses, cable-stayed bridges, steel vertical lift bridges, and plate girder bascule bridges for statewide projects covered by a Retainer Contract under separate Task Orders. The Consultant will be required to execute a Task Order which will specify the scope of services, contract time, and compensation. Each Task Order will become a part of the Retainer Contract.

SCOPE OF SERVICES

The services to be rendered for this Retainer Contract shall consist of the following Stage and Parts:

Stage 3: Design

Part V: Operational Services

Part VI: Inspection Services

1. A detailed in-depth field inspection will be performed on, all components of the superstructure, and all components of the substructure in conformance with AASHTO Manual for Bridge Evaluation, the NBIS, and LADOTD Maintenance Directives. The consultant will perform an NBIS inspection including an element level inspection.
2. An assessment of the coating system will be conducted by a certified SSPC Protective Coating Specialist or a certified NACE Bridge Coating Inspector to determine the condition of the existing coating system.
3. The Consultant will update any inventoried discrepancies found on the DOTD database Structure Inventory and Appraisal Sheet. The DOTD database Structure Inventory and Appraisal Sheet will be provided to the Consultant prior to the inspection. Inspection information will be recorded on the DOTD bridge inspection system by condition state for each element as per the DOTD Pontis Manual or its successor. The consultant will be responsible for entering the NBIS Routine Inspection into the DOTD database. The District Bridge Engineer will QC and approve the inspection.
4. Qualified Team Leader must be present at all time during the inspection. The team leader and bridge inspector qualifications and/or training shall be included as an aspect of the bridge inspection report.
5. All deteriorated/damaged members will be measured in detail. Sketches and pictures showing corrosion/deterioration shall be submitted. Provide Non-destruction evaluation when necessary.
6. Ultrasonic testing of pins will be performed on fracture critical truss pins, pin assemblies, etc.
7. Electrical conduit, electrical junction box, navigational light, aerial obstruction beacons shall be inspected. An inspection is to be made of the stairs, and piers above the ground or water.

8. Recommendations as to repairs, rehabilitation, load capacity analysis, corrections, and any other maintenance functions will be incorporated into the report where deficiencies and deterioration are reported and summarized at the conclusion of the inspection report.

9. The Consultant may be assigned to design repairs/rehabilitation plans and perform load capacity analysis.

10. DOTD personnel shall be allowed access to all parts of the inspection.

11. All necessary traffic control, inspection and bridge access equipment will be provided by the Consultant.

12. Traffic control operations and procedures when necessary will be the responsibility of the Consultant. These operations and procedures will be coordinated through the DOTD District offices. The Consultant shall submit a Traffic Control Plan to the District where work is being performed.

13. A daily log will be prepared to show the personnel and equipment used and listing those items inspected in a manner that corresponds with standard nomenclature as is used on the original plans.

14. The Consultant will institute his own quality control process to assure that all inspection requirements are being met. The quality control process will also be subject to advance approval and audit throughout the program.

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 Standards, ASTM Standards or DOTD Test Procedures
2. DOTD Location and Survey Manual
3. DOTD Roadway Design Procedures and Details
4. DOTD Hydraulics Manual
5. DOTD Standard Specifications for Roads and Bridges
6. Manual of Uniform Traffic Control Devices (latest Edition)
7. DOTD Traffic Signal Design Manual
8. National Environmental Policy Act (NEPA)
9. National Electric Safety Code
10. DOTD Environmental Impact Procedures (Vol. I-III)
11. Policy on Geometric Design of Highways and Streets
12. Construction Contract Administration Manual
13. Materials Sampling Manual

14. DOTD Bridge Design Manual
15. Consultant Contract Services Manual
16. Geotechnical Engineering Services Document
17. Bridge Inspector's Reference Manual, Latest Edition

The inspection services shall be performed in accordance with the following publications (latest edition) covering bridge inspection standards of practice.

1. AASHTO Manual for Bridge Evaluation, United States Department of Transportation / Federal Highway Administration.
2. Bridge Inspector's Reference Manual, United States Department of Transportation / Federal Highway Administration.
3. Inspection of Fracture Critical Bridge Members United States Department of Transportation / Federal Highway Administration.
4. National Bridge Inspection Standard, Code of Federal Regulations 23 - Highways, Part 650, Subpart C.
5. LADOTD Maintenance Directives

Manuals listed above may be purchased from the vendors listed below:

AASHTO Publications

American Association of State Highway and Transportation Officials

444 N. Capitol Street, NW, Suite 225

Washington, D.C. 20001

Telephone 1-888-227-4860

FHWA Manuals

U.S. Government Printing Office

Washington, D.C. 20402

Telephone (301) 577-0818

COMPENSATION

Compensation to the Consultant for services rendered in connection with each TO shall be based on negotiated work-hours using DOTD established billable rates for the actual work performed on the Task Order.

The amount payable under this Retainer Contract for services to be performed under the various TO's shall not exceed a maximum of **\$5,000,000**. Each TO shall be payable under the respective TO project number which shall be obtained by the Project Manager.

All travel related expenses will be compensated under direct expenses, and will be in accordance with Louisiana Office of State Travel regulations found at: <http://www.doa.louisiana.gov/osp/travel/travelpolicy.htm>. Vehicle rental rates will require prior approval from the DOTD Project Manager.

DIRECT EXPENSES

All direct expense items which are not paid for in the firm's overhead which are needed and will be consumed during the life of the contract must be identified by the consultant during contract development. Standard equipment to be used in the provision of services rendered for this contract will not be considered for payment under direct expenses. Failure to provide the above information will deem items as non-qualifying for direct expenses.

The Consultant shall provide a minimum of three rate quotes for any specialty vehicle or equipment. Any and all items for which said quotes are not submitted shall be deemed as non-qualifying for payment as direct expenses.

The Consultant may request to have the initial billable rates updated on a yearly basis. However, any adjustment to the Contract billable rates shall not be cause for an increase in the maximum compensation limitation imposed herein.

CONTRACT TIME AND NOTICE TO PROCEED

This Retainer Contract shall be in effect for the duration of **five years**. The services to be performed for each Task Order (TO) will be determined prior to the execution of the TO. The Consultant will proceed with the services required in the TO upon issuance of the Notice to Proceed from the DOTD. The contract time for each TO, will be specified in the executed TO. Any TO in effect, prior to the expiration date of the Retainer Contract shall be completed. Any TO which has not expired may be supplemented as long as the Retainer Contracts funds have not been exhausted.

ELECTRONIC DELIVERABLES

The Consultant hereby agrees to produce electronic deliverables in conformance with the DOTD Software and Deliverable Standards for Electronic Plans document. The Consultant is also responsible for ensuring that Sub-Consultants submit their electronic deliverables in conformance with the same standards. The DOTD Software and Deliverable Standards for Electronic Plans document and DOTD CAD Standards Downloads are available via links on the DOTD web site.

The Consultant shall apply patches to CAD Standard Resources and install incremental updates of software as needed or required. The Consultant hereby agrees to install major updates to software versions and CAD Standard Resources in a timely manner. Major updates of CAD standards and software versions shall be applied per directive or approval of the DOTD Design Automation Manager. Such updates will not have a significant impact on the plan development time or project delivery date, nor will they require the Consultant to purchase additional software. Prior to proceeding with plan development, the Consultant shall contact the Project Manager for any special instructions regarding project-specific requirements.

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

The Consultant shall upload (or check in) electronic deliverables directly into the DOTD ProjectWise repository at each plan delivery milestone. Consultants are responsible for performing certain operations at each milestone including, but not limited to, the following:

- Upload (or check in) CAD plan deliverables to the discipline “Plans” folder
- Apply and maintain indexing attributes to CAD plans (and other deliverables as needed)
- Publish PDF format plan submittals in ProjectWise using automated publishing tools
- Digitally sign PDF format plan submittals in ProjectWise according to DOTD standards and procedures (Final Plans, Revisions and Change Orders). Signatures shall be applied in signature blocks provided with electronic seals and Title Sheets.

Additionally, after reviewing deliverables for each submittal milestone, the Project Manager shall notify the Consultant regarding the availability of two automatically-generated informational reports in ProjectWise. These reports document the completion status and other information regarding indexing attributes and CAD standards. Consultants shall take these reports into account and make any necessary adjustments to plans before the next submittal milestone; or sooner, if directed by the Project Manager.

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.

ITEMS TO BE PROVIDED BY DOTD

The DOTD shall provide Bridge Inspection Reports and plans.

MINIMUM PERSONNEL REQUIREMENTS

The following requirements must be met at the time of submittal:

1. At least one Principal of the Prime-Consultant must be a Professional Engineer registered in the State of Louisiana.

2. At least one Principle or a responsible member of the Prime-Consultant must be a Civil Engineer registered in the State of Louisiana.
3. The Prime-Consultant must also employ on a full time basis or through the use of a Sub-Consultant, a minimum of two Civil Engineers registered in the State of Louisiana, one with at least five years experience in bridge design/structural inspection of river crossing structures.
4. In addition to the above requirements, the Prime-Consultant must also employ on a full time basis, or through the use of a Sub-Consultant(s):
 - a. A minimum of one qualified Structural Bridge Inspector Team Leader. The team leader must, at a minimum:
 - (1) Be a registered engineer and have successfully completed a Federal Highway Administration (FHWA) approved comprehensive bridge inspection training course, or;
 - (2) Have five years of experience in major bridge inspection/evaluation of damaged bridge members, and have successfully completed an FHWA approved comprehensive bridge inspection training course, or;
 - (3) Be certified as a Level III or IV Bridge Safety Inspector under the National Society of Professional Engineer's program for National Certification in Engineering Technologies (NICET), and have successfully completed an FHWA approved comprehensive bridge inspection training course, or;
 - (4) Have a bachelor's degree in engineering from a college or university accredited by, or determined as substantially equivalent, by the Accreditation Board for Engineering and Technology; and have successfully passed the National Council of Examiners for Engineering and Surveying Fundamentals of Engineering examination; and have two years of bridge inspection experience; and have successfully completed an FHWA approved comprehensive bridge inspection training course, or;
 - (5) Have an associate's degree in engineering or engineering technology from a college or university accredited by, or determined as substantially equivalent by, the Accreditation Board for Engineering and Technology; and have four years of bridge inspection experience; and have successfully completed an FHWA approved comprehensive bridge inspection training course.
 - b. A minimum of one qualified Structural Bridge Inspector who has successfully completed an FHWA approved comprehensive bridge inspection training course.
 - c. One certified Society for Protective Coatings (SSPC) Protective Coatings Specialist or certified National Association of Corrosion Engineers (NACE) Bridge Coating Inspector.
 - d. A minimum of one American Society of Nondestructive Testing (ASNT) Level III certified inspector to establish techniques, procedures, methods, etc. for performing the required inspections.

**WORK ZONE TRAINING REQUIREMENTS
(PRE-CONSTRUCTION SERVICES)**

As part of DOTD’s on-going commitment to work zone safety, required work zone training courses must now be taken every four years in order for personnel to remain eligible to work on DOTD projects. For consultants performing pre-construction services (i.e., design, survey, subsurface utility, geotechnical, traffic, bridge inspection, environmental services), appropriate personnel must take these courses. In general, the responsible charge of traffic control plans shall be required to have Traffic Control Supervisor training. For field services performed within the clear zone, at least one member of the field crew shall have Traffic Control Supervisor or Traffic Control Technician training. Consultant should identify all personnel listed in the staffing plan for the project that have completed the appropriate work zone training courses. Current certifications of compliance for this training should be submitted with and made part of Consultant’s DOTD Form 24-102. The consultant shall explain in Section 13 of DOTD Form 24-102 how they plan to meet the work zone requirements. However, all requirements shall be met prior to contract execution. It will be the prime consultant’s responsibility to ensure their staff and sub-consultants have the appropriate work zone training.

The above requirements are the minimum to perform work on DOTD projects. It is desired that all staff have work zone training as shown below:

Engineers:	Traffic Control Technician Traffic Control Supervisor Flagger
Engineer Interns:	Traffic Control Technician Traffic Control Supervisor Flagger
Field Senior Technicians, Survey Party Chiefs, and SUE Worksite Traffic Supervisors:	Traffic Control Technician Traffic Control Supervisor Flagger
Field Personnel:	Traffic Control Technician Flagger

Approved courses are offered by ATSSA and AGC. Substitutes for these courses must be approved by the LA DOTD Work Zone Task Force. Specific training course requirements are:

Flagger: Successful completion every four years of a work zone flagger course approved by the Department. The “DOTD Maintenance Basic Flagging Procedures Workshop” is not an acceptable substitute for the ATSSA and AGC flagging courses.

Traffic Control Technician (TCT): Successful completion every four years of a work zone traffic control technician course approved the Department. After initial successful completion, it is not necessary to retake this course every four years if Traffic Control Supervisor training is completed every four years.

Traffic Control Supervisor (TCS): Successful completion of a work zone traffic control supervisor course approved by the Department. Following an initial completion, traffic control supervisors must either complete a 1-day TCS refresher course or retake the original 2-day TCS course every four years.

ATSSA contact information: (877) 642-4637

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 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, weighting factor of 5; ****
6. Location where the work will be performed, weighting factor of 4. *

*Location will be based from Marksville, Louisiana.

**The Bridge Design (BZ) performance rating will be used for this project.

***All respondents will receive no less than a 2 in this category.

****All respondents will receive a 4 in this category.

Complexity level- complex

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. Then the rating will be multiplied by the corresponding weighting factor. The

firm's ratings 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. Hadi Shirazi– Ex officio
2. Haylye Brown – Project Manager
3. David Miller
4. Steven Sibley
5. William Metcalf
6. Mathew Jantz

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 by 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. The Consultant, nor any other party on behalf of the Consultant, shall not 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. 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 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 will submit semi-annual labor rate information, when requested by DOTD.

The selected Consultant 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 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 3% 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 has not met all the audit requirements documented in the manual and/or notices posted on the DOTD

Consultant Contract Services Website (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 **along with an electronic copy (USB flash drive only) in a searchable Portable Document Format (pdf). If you wish to have your flash drive returned, please include a postage paid, self-addressed envelope.** 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.

Contract employees may be allowed for a period of time for a particular element or task on a project. Contract employees should be shown in **Section 9a. Project Staffing Plan** with resumes included in **Section 10**.

Use of contract employees requires prior approval by the Consultant Contract Services Section for each element or task on a project. The approval request shall be made prior to the submittal of the 24-102 form.

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. 4400005960**, and will be submitted **prior to 3:00 p.m. CST on Tuesday, May 19, 2015**, by hand delivery or mail, addressed to:

Department of Transportation and Development
Attn.: Mr. Hadi Shirazi, P.E.
Contracts Administrator
1201 Capitol Access Road, **Room 405-T**
Baton Rouge, LA 70802-4438 or
Telephone: (225) 379-1929

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.