

**ENGINEERING AND RELATED SERVICES
JULY 29, 2016**

**CONTRACT NO. 4400009327
RETAINER CONTRACT FOR INTELLIGENT
TRANSPORTATION SYSTEMS (ITS)
DESIGN AND IMPLEMENTATION SERVICES
STATEWIDE**

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 its 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 must be registered with the Federal Government using SAM.gov prior to contract execution.** One Prime-Consultant/Sub-Consultant(s) (Consultant/Team) 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. Elizabeth Delaney, P.E.

All inquiries concerning this advertisement should be sent in writing to Mark.chenevert@LA.gov or Heather.Huval@la.gov.

PROJECT DESCRIPTION

The selected Consultant/Team shall perform statewide engineering and related services for the Intelligent Transportation Systems (ITS) Design and Implementation Program. The Consultant/Team shall be required to execute a Task Order (TO) for each designated project which will specify the scope of services, contract time, and compensation. Each TO will become part of the Retainer Contract.

SCOPE OF SERVICES

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

The selected Consultant/Team shall perform project management and program assistance, project reporting, conduct traffic and systems engineering analyses, develop engineering plans, specifications, and construction estimates (PS&E), provide GIS support services, signal planning and design and signal system timing. Limits of the proposed engineering contract will be statewide.

The tasks necessary to satisfy the contract requirements for the Statewide ITS Design and Implementation Program are outlined as follows:

PROJECT MANAGEMENT AND PROGRAM ASSISTANCE

Depending on the nature and scope of work being performed, Project Management may be continuous throughout a TO.

A meeting with the DOTD's ITS Section, the Consultant, and any third party applicable to a particular project, shall be held at the beginning of each task order development. The purpose of this meeting is to develop a detailed scope of services based on establishing a framework for continued coordination, developing a mutual understanding of the deliverables, identifying the execution of work, and agreeing on design procedures. Information, where applicable, such as Regional ITS Implementation Plans or traffic/systems engineering data shall be provided and/or requested at this meeting. Minutes shall be developed by the Consultant and distributed after this meeting.

COORDINATION MEETINGS & PROJECT REPORTING

The Consultant shall conduct periodic coordination meetings as agreed to by the Project Manager to discuss contract and task order status. The Consultant shall develop a progress schedule at the beginning of each task order upon Notice to Proceed (NTP), to be approved by the Project Manager. The Consultant shall provide a weekly status report on all task orders, those under development as well as open, and shall provide updated progress schedules on a monthly basis along with a monthly status report to be submitted with invoices. The Consultant shall be responsible for making sure the project schedule is being kept. The status report shall include at a minimum a discussion of the previous month's progress, problems that were encountered, unresolved issues, anticipated work for the next month and a record of comments. The Consultant shall provide a weekly update of all open task orders in the form of a bullet list report. This report shall include but not be limited to Project Number, Name, PO Number, NTP date, expiration date and a bullet list of action items, work items, milestones, etc. Format to be finalized and agreed upon by Consultant and DOTD project managers.

PERFORM ITS / TRAFFIC ENGINEERING ANALYSES

The Consultant shall perform various ITS and/or traffic engineering analyses, studies, evaluations, and reports as directed by the Project Manager. Such work includes: performing traffic signal studies (i.e., warrant analyses, timing and phasing optimization, and progression analyses), ramp metering studies, traffic simulation modeling analyses using DOTD-standard software, and engineering alternative analyses and feasibility studies.

ENGINEERING PLANS, SPECIFICATIONS & CONSTRUCTION ESTIMATES

The Consultant shall develop plans and specifications suitable for bid by the DOTD and construction cost estimates as directed by the Project Manager. Projects may include new ITS deployments, upgrades and/or replacement of existing infrastructure. Plans shall be developed in MicroStation and specifications and estimates shall be developed using Microsoft Office programs.

GIS SUPPORT SERVICES

The Consultant shall develop data and map products using ESRI ArcServer and .NET technologies as directed by the Project Manager. Projects may include mapping of ITS field devices, fiber networks, and inventory and maintenance records.

DATA DELIVERABLES

The necessary copies of Architectures, SE Analyses, final design plans, estimate of quantities and cost, studies/evaluations, reports, fiber allocation diagrams, ITS network diagrams, and all other applicable work performed under this Contract shall be delivered from the Consultant to the DOTD's ITS Section in electronic format and/or hard copy format as directed by the Project Manager. Plan sheets shall be full-size on reproducible media and 1/2-size on bond paper as directed by the Project Manager. The electronic data shall be in the original software format (Micro Station and Microsoft Office).

GIS layers of final plans shall be submitted by the Consultant in layer format compatible with DOTD accepted GIS software, ARCGIS and shall be submitted with FGDC compliant metadata. All features shall be spatially correct, preferably by use of GPS coordinate data. GIS data features shall include all items specified in the Mapping and ITS Layout Civil Plan Sheets, Electrical/Communications/Civil/Structural/Intersection Plan Detail Sheets and shall link to tables of descriptive data.

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 (2003 Edition)
7. DOTD Traffic Signal Design Manual
8. National Environmental Policy Act (NEPA)
9. National Electric Safety Code
10. National Electric Code (NFPA 70)
11. DOTD Environmental Impact Procedures (Vols. I-III)
12. Policy on Geometric Design of Highways and Streets
13. Construction Contract Administration Manual
14. Materials Sampling Manual
15. DOTD Bridge Design Manual
16. Consultant Contract Services Manual
17. Geotechnical Engineering Services Document
18. Bridge Inspectors Reference Manual, October 2002
19. AASHTO Guide Specification and Commentary for Vessel Collision Design of Highway Bridges
20. AASHTO Standard Specifications for Highway Bridges, latest edition
21. AASHTO LRFD Bridge Design Specifications, latest edition
22. DOTD Emergency Operations Plan
23. DOTD ITS Standards (under development)
24. DOTD TIM Plan (under development)
25. Complete Streets,
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Multimodal/Highway_Safety/Complete_Streets/Pages/default.aspx

Follow link below for the individual reference links:

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

COMPENSATION

Compensation to the Consultant for services rendered in connection with each TO shall be made on the basis of actual cost plus a negotiated fixed fee, prior to each TO being issued. Reimbursable expenses will be paid at the prevailing state rates. Training, invoice preparation, and task order scope and labor effort development are not billable hours.

The total amount payable under this Retainer Contract for services to be performed under the various TO's shall be a maximum limitation of **\$3,000,000**. Each TO shall be payable under their respective state 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.la.gov/osp/travel/travelpolicy/2015-16TravelGuide.pdf> 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, unless approved by the Consultant Contract Services Administrator.

CONTRACT TIME AND NOTICE TO PROCEED

This Retainer Contract shall be in effect for the duration of **three 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.

QUALITY CONTROL/QUALITY ASSURANCE

The DOTD requires the Consultant to develop a Quality Control/Quality Assurance program or adopt DOTD's program; in order to provide a mechanism by which all construction plans can be subject to a systematic and consistent review. Consultant's 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. The Consultant's plans shall meet or exceed DOTD's Construction Plans Quality Control / Quality Assurance Manual and EDSM No. Volume I. 1.1.24 on Plan Quality. The Consultant shall transmit plans with a DOTD Quality Control/Quality Assurance Checklist, and a certification that the plans meet the DOTD's quality standards.

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 Principal or other Responsible Member shall be a Professional Electrical Engineer registered in the State of Louisiana with five years of experience in preparation of ITS plans.
3. At least one Principal or other Responsible Member shall be a Professional Civil Engineer registered in the State of Louisiana with five years of experience in preparation of ITS plans and design of foundations and structures and modifications to existing bridge structures to support ITS field elements.
4. In addition to the above, the Prime Consultant must employ on a full time basis a minimum of two Professional Electrical Engineers registered in the State of Louisiana, with at least five years of experience in Traffic Engineering and/or ITS Engineering and with applied knowledge of intelligent transportation systems (ITS) design.
5. The Prime Consultant must also employ on a full-time basis, or through the use of a Sub-Consultant(s):
 - a. A Systems Engineer with a minimum of five years of design experience in ITS systems engineering.
 - b. One licensed Engineer with a minimum of four years of experience in Information Systems and/or Network design with a minimum of two years specialized design in Intelligent Transportation Systems communications.
 - c. One GIS Specialist with formal instruction and training in DOTD accepted GIS software and a minimum of four years of experience in applied GIS implementation and Geodatabase creation.
 - d. One licensed Engineer Registered in the State of Louisiana, with a minimum of five years of experience in the design and operations of tolling systems.

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.

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. The 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

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 ITS (IT) performance rating will be used for this project.

Consultants with no past performance rating in a rating category will be assigned the average rating of the firms submitting; with ratings capped at the statewide average rating for that category as of the date the advertisement was posted.

Complexity level- Normal

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 1-5. 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.

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. Mark Chenevert – Ex officio
2. Elizabeth Delaney – Project Manager
3. Jim Mitchell
4. Ryan Hoyt
5. Hadi Shirazi
6. Salowa Sultana

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. 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. 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 shall provide to the DOTD Audit Section an *independent* Certified Public Accountant (CPA) audited overhead rate developed in accordance with Federal Acquisition Regulations (FAR) and guidelines provided by the DOTD Audit Section. In addition, the selected Consultant/Team will allow the DOTD Audit Section to perform an overhead audit of its books, at the DOTD’s sole discretion. The performance of such an audit by the DOTD Audit Section shall not relieve the Consultant/Team of its responsibilities under this paragraph.

Consultants are also required to submit labor rate information twice a year to the DOTD’s Audit Section and/or as requested by DOTD. Newly selected firms must have audited salaries and overhead rates on file with the DOTD’s Audit Section before starting any additional stage/phase of their contracts. All Qualification Statements (24-102) submitted to DOTD by Consultants currently under contract may be considered non-responsive if the consultant is not in compliance with the above audit requirements.

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), 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. 4400009327**, and will be submitted **prior to 3:00 p.m. CST on Thursday, September 08, 2016**, by hand delivery or mail, addressed to:

Department of Transportation and Development
Attn.: Mr. Mark Chenevert, P.E.
Contracts Services Administrator
1201 Capitol Access Road, **Room 405-E**
Baton Rouge, LA 70802-4438 or
Telephone: (225) 379-1591

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.