

**ADVERTISEMENT FOR ENGINEERING AND RELATED SERVICES  
APRIL 12, 2021**

**ADDENDUM NO. 2, APRIL 29, 2021**

**ADDENDUM NO. 1, APRIL 15, 2021**

**CONTRACT NO. 4400021680**

**LA 1: LEEVILLE TO GOLDEN MEADOW, PHASE 2 (CE&I)**

**STATE PROJECT NO. H.008145**

**F.A.P. NO. H008145**

**ROUTE LA 1**

**LAFOURCHE PARISH**

**DBE GOAL = 8%**

Under the authority granted by Title 48 of Louisiana Revised Statutes, the Louisiana Department of Transportation and Development (DOTD) hereby issues this advertisement for consulting firms 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 the Louisiana Professional Engineering and Land Surveying (LAPELS) Board under its rules for firms. If a consultant is not 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 LAPELS must be met at the time the proposal is submitted. Prime consultants must be registered with the Louisiana Secretary of State and the Federal Government, using SAM.gov, prior to contract execution.**

One (1) proposal will be selected for each contract solicited per this advertisement. Only one (1) DOTD Form 24-102 proposal is required for this advertisement, and it represents the prime consultant's qualifications and those of any and all sub-consultants proposed to be used for the referenced contract(s). All identifying contract number(s) should be listed in Section 2 of the DOTD Form 24-102.

Any questions concerning this advertisement must be sent in writing to [DOTDConsultantAds80@la.gov](mailto:DOTDConsultantAds80@la.gov) no less than 48 hours (excluding weekends and holidays) prior to the proposal deadline.

### **SCOPE OF SERVICES**

The general tasks to be performed by the consultant for this contract are described more specifically in Attachment A, which is incorporated herein by reference.

The consultant shall perform the work in accordance with the requirements of this advertisement and the resulting contract. Deliverables shall be in such format as required in Attachment A. The work performed by the consultant shall be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

**MINIMUM PERSONNEL REQUIREMENTS (MPRs)**

The requirements set forth in Attachment B must be met at the time the proposal is submitted.

**EVALUATION CRITERIA**

The criteria to be used by DOTD in evaluating responses for the selection of a consultant to perform these services are listed below:

1. firm experience on similar projects, weighting factor of three (3);
2. staff experience on similar projects, weighting factor of four (4);
3. firm size as related to the project magnitude, weighting factor of three (3);
4. past performance on similar DOTD projects, weighting factor of six (6)\*;
5. current work load with DOTD, weighting factor of five (5);
6. approach and methodology, weighting factor of nine (9).

\*The consultant is to identify in the table below those evaluation disciplines consistent with the approach and methodology proposed in Section 19 of the DOTD Form 24-102.

**THE FOLLOWING TABLE MUST BE COMPLETED AND INCLUDED IN SECTION 12 OF THE DOTD FORM 24-102 PROPOSAL.**

<p><b>Sub-consultants are allowed to be used for this proposal.</b> Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 19 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. (Add rows as needed)</p>							
Evaluation Discipline(s)	% of Overall Contract	Prime	Firm B	Firm C	Firm D	Firm E	Firm F
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%						

The past performance evaluation disciplines are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below: [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf).

If sub-consultants are allowed, the prime consultant can perform less than 50% of the work, but none of the sub-consultants can perform a larger percentage of the overall contract than the prime consultant.

## **COMPLIANCE WITH SUPPLEMENTAL ETHICS REQUIREMENTS**

DOTD has established supplemental ethics requirements applicable to consultants and PET members. These requirements are found in the “Supplemental Ethics Requirements” article of the sample contract linked to this advertisement, which are incorporated herein by reference. Any firm that is found to have violated these requirements may not be considered for this selection.

**By submission of a proposal to perform services pursuant to this advertisement, the consultant agrees to comply with DOTD’s Supplemental Ethics Requirements.**

## **RULES OF CONTACT UPON ADVERTISEMENT**

DOTD is the single source of information regarding the contract selection. Any official correspondence will be in writing, and any official information regarding the contract will be disseminated by DOTD’s designated representative via the DOTD website. The following rules of contact will apply during the contract selection process, commencing on the advertisement posting date and ceasing at the time of final contract selection. Contact includes face-to-face communication, the use of a telephone, facsimile, electronic mail (email), or formal or informal written communications with DOTD. Any contact determined to be improper, at the sole discretion of DOTD, may result in the rejection of the proposal (i.e., DOTD Form 24-102).

Consultants and consultant organizations shall correspond with DOTD regarding this advertisement only through the email address designated herein; [DOTDConsultantAds80@la.gov](mailto:DOTDConsultantAds80@la.gov) and during DOTD sponsored one-on-one meetings.

No consultant, or any other party on behalf of a consultant, shall contact any DOTD employee, other than as specified herein. This prohibition includes, but is not limited to, the contacting of: department, office, or section heads, project managers, members of the evaluation teams, and any official who may participate in the decision to award the contract resulting from this advertisement.

DOTD will not be responsible for any information or exchange that occurs outside the official process specified above.

**By submission of a proposal to perform services pursuant to this advertisement, the consultant agrees to the communication protocol herein.**

## **PROJECT TIME**

The overall time for the completion of the scope of services is estimated to be **6.5 years**.

## **COMPENSATION**

The estimated compensation payable to the consultant for all services rendered in connection with this contract shall be **\$19,000,000**. This estimate will be used for grading purposes only. Actual compensation will be determined by DOTD based on work hours negotiated between DOTD and the selected consultant. Within fifteen (15) calendar days of notification of selection, a kick-off meeting will be held with the selected consultant and appropriate DOTD personnel. The selected consultant will be required to submit a work hour proposal within thirty (30) calendar days following the notification of selection. All negotiations must be completed within the timeframe set forth in the Consultant Contract Services Manual.

Payment will be made based on specific rates of compensation.

## **DIRECT EXPENSES**

To the extent that the consultant is allowed to claim reimbursement for direct expenses, all direct expense items that are not paid for in the firm's indirect cost rate and are needed and will be consumed during the life of the contract must be identified by the consultant during contract development. Standard equipment or resources to be used in the provision of services rendered for this contract will not be considered for payment under direct expenses.

The consultant should own most of the equipment required to provide the work and services. The cost of this equipment should be included in the consultant's indirect cost rate. Equipment may be considered "specialized" if it cannot be considered standard equipment for that particular consultant's normal operating business needs. If a consultant believes special equipment is needed for the contract, the consultant must inquire through the Question and Answer process, as provided herein, whether the identified item will be considered specialized equipment for the individual contract.

All travel related expenses will be compensated under direct expenses, and will be in accordance with the most current Louisiana Office of State Travel regulations as promulgated in the Louisiana Administrative Code under the caption "PPM No. 49", with the exception that compensation for vehicle usage will be based on actual miles traveled directly and exclusively related to project needs. Vehicle rental rates will require prior approval from the PM.

## **QUALITY ASSURANCE/QUALITY CONTROL**

DOTD requires the selected consultant and all sub-consultants to develop a Quality Assurance/Quality Control (QA/QC) program in order to provide a mechanism by which all deliverables will be subject to a systematic and consistent review. The selected consultant shall address in its plan the review of all sub-consultant work and deliverables. The selected consultant must submit their QA/QC plan to the DOTD PM within 10 business days of the award notification to the consultant. Consultants must ensure quality and adhere to established DOTD policies, procedures, standards and guidelines in the preparation and review of all deliverables. DOTD may provide limited input and technical assistance to the consultant. Any deliverables to be transmitted

by the consultant shall be transmitted with a DOTD Quality Assurance/Quality Control Checklist, and a certification that the deliverables meet DOTD’s quality standards.

If Attachment A includes specific QA/QC requirements that contradict those set forth above, the requirements in Attachment A control.

### **TRAFFIC ENGINEERING PROCESS AND REPORT TRAINING REQUIREMENTS**

As part of DOTD’s on-going commitment to high quality traffic engineering reports, a traffic engineering training course must be taken by traffic engineering PEs and EIs in order to be eligible to work on DOTD projects. When traffic is included as a discipline on which past performance is evaluated, for consultants performing traffic engineering services (i.e., traffic analysis throughout all DOTD project stages and/or QC of traffic analysis), appropriate personnel must successfully complete the three (3) modules of the Traffic Engineering Process and Report Course offered by Louisiana Transportation Research Center (LTRC). This Course must be completed no later than the time the proposal is submitted. **Copies of training certificates are to be included in Section 22 of the proposal.** It will be the prime consultant’s responsibility to ensure their staff and sub-consultants complete the training. Copies of training records may be obtained from the LTRC website <https://registration.ltrc.lsu.edu/login>.

### **WORK ZONE TRAINING REQUIREMENTS**

As part of DOTD’s on-going commitment to work zone safety, required work zone training courses must now be taken every four (4) years in order for personnel to remain eligible to work on DOTD projects. For consultants performing preconstruction services (e.g., design, survey, subsurface utility, geotechnical, traffic, bridge inspection, environmental services), appropriate personnel must successfully complete these courses. In general, the person in responsible charge of traffic control plans shall be required to have Traffic Control Supervisor training. For preconstruction field services performed within the clear zone, at least one (1) 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 contract who have completed the appropriate work zone training courses. All preconstruction work zone training 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.

In addition to the above requirements, if the Scope of Services set forth in Attachment A includes Construction Engineering and Inspection (CE&I), the following training requirements shall be met **at the time the proposal is submitted**:

Field Engineers:	Traffic Control Technician Traffic Control Supervisor Flagger
Field 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

Other Field Personnel\*: Traffic Control Technician  
Flagger

\* excluding Asphalt Plant Inspector, Paint Managers, and Paint Inspectors

Approved courses are offered by ATSSA and AGC. Substitutes for these courses must be approved by the DOTD Work Zone Task Force. For more information, please contact DOTD HQ Construction at 225-379-1584. Specific training course requirements are:

Flagger: Successful completion every four (4) 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 (4) 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 (4) years if Traffic Control Supervisor training is completed every four (4) 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 one (1)-day TCS refresher course or retake the original two (2)-day TCS course every four (4) years.

ATSSA contact information: (877) 642-4637

## REFERENCES

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

1. AASHTO Standards – <https://www.transportation.org/>
2. ASTM Standards – <https://www.astm.org/BOOKSTORE/BOS/index.html>
3. DOTD Test Procedures – [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Materials\\_Lab/Pages/Menu\\_TPM.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/Menu_TPM.aspx)

4. DOTD Location and Survey Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/LocationSurvey/Manuals%20and%20Forms/Location\\_and\\_Survey\\_Manual.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/LocationSurvey/Manuals%20and%20Forms/Location_and_Survey_Manual.pdf)
5. Addendum “A” to the Location & Survey Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/LocationSurvey/Manuals%20and%20Forms/Location%20and%20Survey%20Manual%20-%20Addendum%20A.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/LocationSurvey/Manuals%20and%20Forms/Location%20and%20Survey%20Manual%20-%20Addendum%20A.pdf)
6. DOTD Roadway Design Procedures and Details –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Road\\_Design/Pages/Road-Design-Manual.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Road_Design/Pages/Road-Design-Manual.aspx)
7. DOTD Design Guidelines –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Road\\_Design/Memoranda/Minimum%20Design%20Guidelines.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Road_Design/Memoranda/Minimum%20Design%20Guidelines.pdf)
8. DOTD Hydraulics Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Public\\_Works/Hydraulics/Documents/Hydraulics%20Manual.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Public_Works/Hydraulics/Documents/Hydraulics%20Manual.pdf)
9. Louisiana Standard Specifications for Roads and Bridges –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Standard\\_Specifications/Pages/Standard%20Specifications.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Standard_Specifications/Pages/Standard%20Specifications.aspx)
10. Manual on Uniform Traffic Control Devices (Non-DOTD Link) –  
<http://mutcd.fhwa.dot.gov/>
11. DOTD Traffic Signal Design Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Traffic\\_Engineering/Traffic%20Control/Traffic%20Signal%20Manual%20V3%20-%2007.1.20.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/Traffic%20Control/Traffic%20Signal%20Manual%20V3%20-%2007.1.20.pdf)
12. National Environmental Policy Act (NEPA)
13. DOTD Stage 1 Planning/Environmental Manual of Standard Practice - [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Environmental/Pages/Stage\\_1.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Environmental/Pages/Stage_1.aspx)
14. National Electrical Safety Code
15. National Electrical Code (NFPA 70)
16. A Policy on Geometric Design of Highways and Streets (AASHTO) –  
[https://bookstore.transportation.org/collection\\_detail.aspx?ID=110](https://bookstore.transportation.org/collection_detail.aspx?ID=110)
17. DOTD Construction Contract Administration Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Pages/Engineering\\_Docs.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Pages/Engineering_Docs.aspx)
18. DOTD Materials Sampling Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Materials\\_Lab/Pages/Menu\\_MSM.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/Menu_MSM.aspx)
19. DOTD Bridge Design and Evaluation Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Bridge\\_Design/Pages/BDEM.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Bridge_Design/Pages/BDEM.aspx)

20. Consultant Contract Services Manual – [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Manuals/CCS%20Manual%20rev%20Oct%202020.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Manuals/CCS%20Manual%20rev%20Oct%202020.pdf)
21. Bridge Inspector’s Reference Manual – <https://www.fhwa.dot.gov/bridge/nbis.cfm>
22. Federal Aid Off-System Highway Bridge Program Guidelines – [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Bridge\\_Design/Manuals/Other%20Manuals%20-%20Guidelines/2019%20Federal%20Aid%20Off-System%20Highway%20Bridge%20Program%20Guidelines.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Bridge_Design/Manuals/Other%20Manuals%20-%20Guidelines/2019%20Federal%20Aid%20Off-System%20Highway%20Bridge%20Program%20Guidelines.pdf)
23. Code of Federal Regulations 29 CFR 1926 (OSHA)
24. Complete Streets – [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Multimodal/Highway\\_Safety/Complete\\_Streets/Pages/default.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Multimodal/Highway_Safety/Complete_Streets/Pages/default.aspx)
25. Traffic Engineering Manual - [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Traffic\\_Engineering/Misc%20Documents/Traffic%20Engineering%20Manual.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/Misc%20Documents/Traffic%20Engineering%20Manual.pdf)
26. Traffic Engineering Process and Report – [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Traffic\\_Engineering/ManualsPublications/Pages/TEPR.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/ManualsPublications/Pages/TEPR.aspx)

### **CONTRACT EXECUTION REQUIREMENTS**

The selected consultant will be required to execute the contract within ten (10) days after receipt of the contract.

A sample of the contract provisions can be found at the following link: [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Pages/Advertisements.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Pages/Advertisements.aspx).

### **DISADVANTAGED BUSINESS ENTERPRISE REQUIREMENT**

This advertised contract has a Disadvantaged Business Enterprise (DBE) goal of **8%** of the contract fee. Credit for DBE participation will be limited to the firms certified pursuant to the Louisiana Unified Certification Program. For convenience, DOTD provides a list on its website (<http://www8.dotd.la.gov/UCP/UCPSearch.aspx>) of firms that have been certified as eligible to participate as DBEs on US DOT assisted contracts. This list is not an endorsement of the quality of performance of any firm but is simply an acknowledgment of the listed firms’ eligibility as a DBE. DOTD makes no representations of the accuracy or completeness of this list on any particular date or time. Prime consultants considering the use of a particular DBE sub-consultant are advised to obtain documentation of certification status from that sub-consultant prior to submission of DOTD Form 24-102.

Prime consultants must specify by firm name in Section 11 on the DOTD Form 24-102 all DBE firms which the prime intends will participate in providing services under the contract to meet the DBE goal and indicate for each the percent of the contract fee for the services that will be performed by each specified DBE firm. If the prime did not succeed in obtaining enough DBE



participation to meet the goal, it must attach to the DOTD Form 24-102, behind Section 21, documentation of its good faith efforts to meet the goal.

### **REVISIONS TO THE ADVERTISEMENT**

DOTD reserves the right to revise any part of the advertisement by issuing addenda to the advertisement at any time. Issuance of this advertisement 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 DOTD Form 24-102s submitted, and/or cancel this consultant services procurement if it is determined to be in DOTD's best interest. All materials submitted in response to this advertisement become the property of DOTD, and selection or rejection of a proposal does not affect this right. DOTD also reserves the right, at its sole discretion, to waive administrative informalities contained in the advertisement.

### **CLARIFICATIONS**

DOTD reserves the right to request clarification of ambiguities or apparent inconsistencies found within any proposal, if it is determined to be in DOTD's best interest.

### **PROPOSAL REQUIREMENTS**

The consultant's proposal for this advertisement must be submitted by email to [DOTDConsultantAds80@la.gov](mailto:DOTDConsultantAds80@la.gov) using the most current version of the DOTD Form 24-102 (available at [http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Pages/Manuals\\_Forms\\_Agreements.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Pages/Manuals_Forms_Agreements.aspx)). Hard copies of the consultant's proposal are not required. All proposals must be in accordance with the requirements of this advertisement, and the Consultant Contract Services Manual. Unless otherwise stated in this advertisement, copies of licenses and certificates are not required to be submitted with the proposal.

If more than one (1) contract is to be selected based on this advertisement, no prime consultant is allowed to be a sub-consultant on any other consultant's 24-102. If a prime consultant is submitted as a sub-consultant on another consultant's 24-102, its proposal as a prime consultant may be deemed non-responsive.

Any consultant failing to submit any of the information required on the DOTD Form 24-102, or providing inaccurate information on the DOTD Form 24-102, may be considered non-responsive.

DOTD employees may not submit a proposal, nor be included as part of a consultant's proposal.

Contract and/or part-time employees are allowed. Such employees should be shown in Section 15 of the DOTD Form 24-102 with an asterisk denoting their employment status.

The DOTD Form 24-102 should be identified with **contract number 4400021680 and/or State Project No. H.008145**, and must be received by DOTD via email **no later than 3:00 p.m. CST on Wednesday, May 12, 2021**.

## ATTACHMENT A – SCOPE OF SERVICES

The project time is **typical**.  
The route classification is **NHS**.

**The field office indirect cost rate shall be applicable to all services except as otherwise designated hereafter. The home office indirect cost rate shall be applicable to the closeout process and all clerical work.**

### **STAGE 5: CONSTRUCTION**

#### **Construction Engineering and Inspection (CE&I)**

The Consultant will be required to provide construction contract administration and Construction Engineering and Inspection (CE&I) services for the LA 1 Phase 2 project. This project consists of construction of approximately 8.3 miles of bridge and roadway construction between Leeville and Golden Meadow in Lafourche Parish. The bridge structure consists primarily of precast concrete girders on precast concrete caps and precast concrete piles. Construction plans will provide the exact construction scope and limits. These services will be performed in accordance with DOTD's Standards and Procedures (see References). Copies of these documents will be made available through DOTD upon request.

DOTD will assign a Project Engineer from its District 02 Office to serve as a construction Coordinator for DOTD during project construction. Consultant will accept work directions, guidance, and instructions from the DOTD Construction Coordinator or his assigned DOTD representative. The DOTD Construction Coordinator or designee will determine work starting time, work hours, pre-approved overtime, work assignments, and project assignments. Consultant provided personnel shall conduct his work within these instructions and directions using the most cost effective methods. Consultant shall not be engaged in any other work assignments during the working times assigned by the DOTD Construction Coordinator or designee.

Consultant shall timely and neatly complete all documentation assigned by the DOTD Construction Coordinator or designee. Additionally, at the beginning of the next work day, Consultant shall provide a daily status report of the previous day's work to the DOTD Project Manager or designee detailing all working hours, work tasks and accomplishments, and resource utilization.

#### **All work will be performed in accordance with the DOTD's Standards and Procedures.**

Some of the various tasks to be performed by Consultant provided personnel under this contract are described more specifically as follows:

1. Maintain all field records; make daily entries in the project diary to indicate Consultant's personnel and Contractor's personnel present on the job site, Contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time.

2. Inspect Contractor's operations (daily) to ensure that all work is performed in accordance with the specified plans, specifications, and using approved materials.
3. Keep clear and concise records of the contractual operations, prepare daily, weekly, monthly quantity summaries and breakdowns as well as daily progress reports in conformance with DOTD requirements.

Consultant will perform engineering and administration services and document control for the Project. These services will be performed in accordance with DOTD's Standard and Procedures (see References). Copies of these documents will be made available through DOTD upon request.

**Construction Engineering and Inspection (CE&I):** Consultant will be responsible for the engineering and inspection services (CE&I) as required for the Project. Consultant shall perform the various tasks under this contract which include, but are not limited to the following:

1. Act as project engineer for project and coordinate with the DOTD District personnel, Contractor, and other parties to schedule and attend the pre-construction meeting. Consultant will be required to conduct the meeting.
2. Maintain all construction field records; make daily entries in the project diary (DWR) to indicate Consultant's personnel and Contractor's personnel present on the job site, Contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time utilizing DOTD software (LAPAVE, SiteManager, Headlight, and other systems).
3. Coordinate with DOTD and appropriate utility representative for all relocations/adjustments of utility facilities for the construction of work site.
4. Provide all necessary personnel, equipment, and materials; such as cylinder molds, density gauges, etc. to perform the required field-testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
5. Collect and submit sampled materials to be tested by a DOTD Testing Laboratory in accordance with the stipulated Sampling Manual. Ensure samples, field test, lab test submitted, and tests results are properly documented in DOTD software systems (LAPAVE, SiteManager materials, Headlight, and other systems).
6. Provide all necessary personnel, equipment, and materials needed to inspect Contractor's construction operations (daily) to ensure that all work performed is in accordance with the specified plans and specifications.
7. Keep clear and concise records of the contractual operations, prepare monthly pay estimates, and make weekly progress reports consisting of percent complete and time elapsed, approved change order amounts, and number of change orders to the DOTD Area Engineer. Inspection of construction will not include shop and mill inspections and their approval.
8. Review and coordinate with the DOTD District Laboratory the entire final estimate package, including all document submittals from Contractor in conformance with DOTD requirements.
9. Consultant will be responsible for submittal approvals required of the DOTD Project Engineer as stated in the Standard Specifications.

10. All construction activities shall be coordinated between Consultant, the assigned representative of DOTD, and FHWA. All work standards, methods of reporting, and documentation will be in accordance with the policies and procedures of DOTD. Submit all partial and final construction estimates, and other information on forms approved by DOTD.
11. Consultant shall perform all documentation, as prescribed by DOTD, on DOTD's construction software, SiteManager, unless otherwise directed by DOTD PM and any future Content Manager procedures. Consultant shall provide computer hardware, i.e., computers, printers, internet connections, scanners, etc. deemed necessary to the inspection services.
12. Consultant will be required to provide appropriately trained staff. **All hours and costs for Consultant's staff training are not billable hours or directly reimbursable.** For example, Consultant's staff may be required to participate in training sessions to receive instructions into the use of SiteManager (approximately four hours). DOTD will provide a qualified instructor for the SiteManager training.
13. Consultant shall be available for conferences, visits to jobsites, and/or inspections by DOTD and other authorized representatives.
14. When stipulated by the Project Specifications, that approval by DOTD is required for material, equipment, and/or construction procedures, follow DOTD policies for obtaining such approval.
15. Consultant shall be required to submit "As-Built" plans with the final estimate. "As-Built" plans are to reflect all changes made from the original plans. All changes to the plans are to be made in red. "As-Built" plans shall be full sized unless the project was let with letter sized plans. In addition to submitting a copy of the "As-Built" plans with the final estimate, an additional copy shall be provided to the district.
16. All construction inspection personnel utilized by Consultant must meet and retain the same qualification and certification requirements as required of DOTD construction personnel.
17. Contractor will perform construction layout, and Consultant will perform, or hire a licensed surveyor to perform, any necessary spot checks for verification. All surveying must be in accordance with the requirement of LAPELS.
18. Any proposed changes in plans or in the nature of the work will be pre- approved in writing by DOTD, prior to the performance of stipulated work.
19. Change Orders throughout the life of the project will also have to be written by Consultant and approved through the Department's process.
20. Consultant shall monitor and document all construction claims in accordance with the appropriate EDSM, and provide recommendations on disposition of claims.
21. Consultant shall manage the RFI (Request for Information) process as defined on the DOTD internet site,  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/RFI/Forms/AllItems.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/RFI/Forms/AllItems.aspx).
22. Consultant shall be responsible for performing and documenting inspections of erosion control measures as well as ensuring compliance with the Storm Water Pollution Prevention Plan (SWPPP) and all other DEQ, Army Corp of Engineers, and U.S. Coast Guard Permits.

23. DOTD requires that Consultant assign a fulltime-consultant project engineer to this project. The assigned project engineer must be knowledgeable of all facets of Contractor's operations. The project engineer shall have electronic linkage capability via cell phone, fax machine, and internet for transmitting and receiving relevant contractual information and arranging for onsite operations. The project engineer must be physically capable of responding to the DOTD Area Engineer within 30 minutes.
24. Consultant is required to perform any other duties normally required by DOTD Project Engineer's Office as directed by the DOTD Area Engineer.
25. Consultant is required to coordinate press releases with the Contractors Public Information Manager (PIM) who will distribute releases to the local media outlets pertaining to project status and any anticipated traffic pattern changes on a timely basis. The DOTD Public Information Officer will approve all press releases prior to dissemination by Consultant.
26. Consultant is required to review and approve Contractor's Critical Path Method (CPM) for Construction Progress Scheduling submissions for the project in compliance with the Special Provisions of the Construction Proposal.
27. Consultant shall become intimately familiar with Contractor's Contract in order to assist the Department in administering the Contract, which is different from the standard current edition of the Standard Specifications for Roads & Bridges.
28. The consultant will be required to assist in providing information needed to meet Federal grant reporting requirements.

### **SERVICES TO BE PERFORMED / ITEMS TO BE PROVIDED BY DOTD**

DOTD will furnish, without charge, the following services and data:

- Material Testing
- Access to project plans and contract proposals.
- Oversight of all shop fabrication inspection to be performed by DOTD structural/marine fabrication engineer.
- Review and approval of any project shop drawings generated by Contractor.
- Boring and CPT data, and pile order lengths.
- Traffic data, if required.
- Copies of necessary construction contracts, and copies of construction plans. Consultant provided personnel will be responsible for obtaining all DOTD forms, manuals, documents, and procedures which are available on DOTD's internet site.
- Copies or make available all necessary manuals, documents, forms and procedures not available on its internet site.
- Office space and field office space, as available.

### **ELECTRONIC DELIVERABLES**

Consultant hereby agrees to produce electronic deliverables in conformance with DOTD Software and Deliverable Standards for Electronic Plans document in effect as of the effective date of the most recent contract action or modification, unless exempted in writing by the Project Manager. Consultant is also responsible for ensuring that sub-consultants submit their electronic deliverables in conformance with the same standards. DOTD Software and Deliverable Standards for

Electronic Plans document and DOTD CAD Standards Downloads are available via links on the DOTD web site.

Consultant shall apply patches to CAD Standard Resources and install incremental updates of software as needed or required. 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 Consultant to purchase additional software. Prior to proceeding with plan development, Consultant shall contact the Project Manager for any special instructions regarding project-specific requirements.

In the event that any Digital Plan Delivery Standard conflicts with written documentation, including DOTD plan-development Manuals, the Digital Plan Delivery Standard governs. Consultant is responsible for contacting the Project Manager should questions arise.

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 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.

#### **SPECIFIC SOFTWARE AND / OR EQUIPMENT REQUIRED**

- Electronic device with ability to synchronize with SiteManager, SiteManager Material, LAPAVE.
- I-Pad with mobile data and HeadLight software.
- Wireless remote access internet

## **ATTACHMENT B – MINIMUM PERSONNEL REQUIREMENTS (MPRs)**

The following requirements must be met at the time the proposal is submitted:

1. At least one (1) principal of the prime consultant shall be a registered professional engineer in the state of Louisiana.
2. At least one (1) principal or other responsible member of the prime consultant shall be currently registered in the state of Louisiana as a professional engineer in civil engineering.
3. At least one (1) principal or responsible member of the prime consultant shall be a professional civil engineer, registered in the state of Louisiana, and shall have a minimum of five (5) years of experience in responsible charge of CE&I projects.
4. At least one (1) professional civil engineer, registered in the state of Louisiana, shall have a minimum of five (5) years of experience in of managing bridge CE&I projects.
5. At least one (1) professional civil engineer, registered in the state of Louisiana, shall have a minimum of five (5) years of experience of managing road CE&I projects.
6. At least one (1) professional civil engineer, registered in the state of Louisiana, shall have a minimum of five (5) years of experience in the testing and acceptance of construction materials.

### **MPRS ARE TO BE MET BY SEPARATE INDIVIDUALS OF THE PRIME CONSULTANT, UNLESS STATED OTHERWISE BELOW.**

**MPR Nos. 1 through 5 may be met by the same person.**

**MPR No. 5 and 6 may be satisfied through the use of a sub-consultant(s).**

**NOTE: WHEN SATISFYING A MINIMUM PERSONNEL REQUIREMENT, PLEASE ENSURE THE RÉSUMÉ REFLECTS REQUIRED EXPERIENCE AS REQUESTED.**

- Please note the number of MPRs are minimal; however, all relevant personnel necessary to perform the Scope of Services, such as certified inspectors, must be identified in Section 15 of the DOTD Form 24-102 and their resumes included in Section 17 of the DOTD Form 24-102.
- When applicable, DOTD-certified inspector certifications must be submitted in Section 22 of the DOTD Form 24-102. Inspectors may only inspect activities in which they hold an active DOTD certification. (See DOTD Construction Contract Administration Manual)