

**ADVERTISEMENT FOR ENGINEERING AND RELATED SERVICES  
MARCH 7, 2022**

**[ADDENDUM NO. 3, MARCH 15, 2022](#)**

**[ADDENDUM NO. 2, MARCH 14, 2022](#)**

**[ADDENDUM NO. 1, MARCH 14, 2022](#)**

**CONTRACT NO. 4400023897**

**CONTRACT FOR LA 47: IWGO BRIDGE REHABILITATION (HBI) (CE&I)**

**STATE PROJECT NO. H.011965**

**F.A.P. NO. H011965**

**ROUTE: LA 47**

**ORLEANS PARISH**

**NO DBE GOAL**

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 the 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. **USE THE DOTD FORM 24-102, DATED MARCH 1, 2022, PROVIDED WITH THE ADVERTISEMENT.**

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 18 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 18 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 and columns as needed)</p>							
Evaluation Discipline(s)	% of Overall Contract	Prime	Firm B	Firm C	Firm D	Firm E	Each Discipline must total to 100%
							100%
							100%
							100%
<p>Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.</p>							
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.

If sub-consultants are used, the prime consultant must perform greater than 50% of the work for the overall contract.

Proposals will be evaluated as set forth in the “Evaluation Criteria” section of this advertisement. 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 one (1) through five (5). The rating will then be multiplied by the corresponding weighting factor. The rating in each category will then be added to arrive at the proposal’s final rating.

DOTD’s Project Evaluation Team (PET) will be responsible for performing the above described evaluation, and will present a shortlist of the three (3) (if three are qualified), highest rated consultants to the Secretary of DOTD. The Secretary will make the final selection.

### **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 **800 days**.

## **COMPENSATION**

The compensation type for this contract is non-negotiated specific rates of compensation.

Compensation to the consultant for the services set forth herein shall be based on actual work hours and established specific rates of compensation for the work performed and the direct expenses incurred by the consultant, with a maximum limitation of **\$8,500,000**.

## **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 20 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 – The American Association of State Highway Transportation Officials  
<https://www.transportation.org/>
2. AASHTO – A Policy on Geometric Design of Highways and Streets –  
[https://bookstore.transportation.org/collection\\_detail.aspx?ID=110](https://bookstore.transportation.org/collection_detail.aspx?ID=110)
3. ASTM Standards – <https://www.astm.org/BOOKSTORE/BOS/index.html>
4. DOTD – Bridge Design and Evaluation Manual (BDEM) –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Bridge\\_Design/Pages/BD-EM.aspx](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Bridge_Design/Pages/BD-EM.aspx)

5. DOTD – 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)
6. 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)
7. DOTD – Consultant Contract Services Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Manuals/CCS%20Manual%20rev%20Dec%202020.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Manuals/CCS%20Manual%20rev%20Dec%202020.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. 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)
10. DOTD – 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)
11. DOTD – 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)
12. 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)
13. DOTD – Minimum 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)
14. DOTD – 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)
15. DOTD – Roadway Design Procedures and Details Manual –  
[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)
16. 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)
17. DOTD – Testing Procedures Manual –  
[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)

18. DOTD – 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)
19. DOTD – 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)
20. DOTD – Traffic Signal Manual –  
[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/Traffic\\_Engineering/Traffic%20Control/Traffic%20Signal%20Manual%20V3%20-%207.1.20.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Traffic_Engineering/Traffic%20Control/Traffic%20Signal%20Manual%20V3%20-%207.1.20.pdf)
21. e-CFR – Electronic Code of Federal Regulations (all applicable) –  
<https://ecfr.io/>
22. FHWA – Bridge Inspector’s Reference Manual (BIRM) –  
website: <https://www.fhwa.dot.gov/bridge/nbis.cfm>  
manual: <https://www.fhwa.dot.gov/bridge/nbis/pubs/nhi12049.pdf>
23. FHWA – Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) –  
<http://mutcd.fhwa.dot.gov/>
24. National Electrical Safety Code (NESC) –  
<https://standards.ieee.org/products-services/nesc/index.html>
25. NFPA 70 – National Electrical Code (NEC) –  
<https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=70>
26. NEPA – National Environmental Policy Act –  
<https://www.epa.gov/nepa>

## **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).

## **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). **USE THE DOTD FORM 24-102, DATED MARCH 1, 2022, PROVIDED WITH THE ADVERTISEMENT.** 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 14 of the DOTD Form 24-102 with an asterisk denoting their employment status.

The DOTD Form 24-102 should be identified with **contract number 4400023897 and/or State Project No. H.011965**, and must be received by DOTD via email **no later than 3:00 p.m. CST on Tuesday, March 29, 2022.**

## ATTACHMENT A – SCOPE OF SERVICES

The project time is **compressed**.

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.**

Consultant shall perform cleaning and painting inspection, construction contract administration and the construction engineering and inspection services for the repairs to the LA 47 IWGO Bridge crossing Intracoastal Waterway Gulf Outlet. The bridge is categorized as “Preservation Priority” for Historic Bridge Improvement (HBI) in Orleans Parish. The bridge is 6,622 feet long consisting of concrete slab spans, pre-stressed girder spans, steel plate girder spans, and tie-arch girder truss spans. (Recall No. 001630, Structure Number 023601480201061). The project consists of removal of the existing coating system (potential lead abatement), recoating of the structure (cleaning and painting), bridge structural repairs, deck patching, deck joint repairs, structural concrete patching, navigation clearance gauge replacement, and electrical system work including aerial beacon and navigation light system replacement.

Consultant shall perform Stage 5 (Construction), (Construction Engineering and Inspection) in accordance with the terms of this contract at the proposed site under the direct supervision of a DOTD construction coordinator who shall be identified when the work is authorized.

The various tasks to be performed by the Consultant under this Project for Stage 5, are described more specifically as follows:

1. The Consultant shall coordinate with DOTD District personnel, contractor, and other parties to schedule and attend the Pre-construction Meeting. The Consultant will be required to conduct the meeting.
2. The Consultant shall maintain all construction field records; make daily entries in the project diary (DWR) to indicate the Consultant’s personnel and Contractor’s personnel present on the job site, the Contractor’s personnel and equipment being utilized on the project, the work being accepted, and the charging of contract time utilizing the site manager system.
3. The Consultant shall coordinate with DOTD and appropriate utility representative for all relocations/adjustments of utility facilities for the construction of work site.
4. The Consultant shall provide all necessary personnel, equipment, and materials; such as cylinder molds, etc., to perform the required field-testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
5. The Consultant shall collect and submit all sampled materials for testing to the DOTD District 02 Testing Laboratory, in accordance with the stipulated Sampling Manual.
6. The Consultant shall inspect the contractor’s construction and operations (daily) to ensure that all work performed is in accordance with the specified plans and specifications.

7. The Consultant shall keep clear and concise records of the contractual operations, prepare monthly pay estimates, and make weekly progress reports consisting of percent complete, percent time elapsed, approved change order amounts, and number of change orders to the DOTD District 02 Coordinator. Inspection of construction will not include shop and mill inspections and their approval.
8. The Consultant shall prepare the entire final estimate package, including Form 2059 – “Summary of Test Results” in conformance with DOTD requirements.
9. The Consultant shall be responsible for reviewing submittals for record and submittals for review in accordance with Section 105.02 of the Louisiana Standard Specifications for Roads and Bridges (LSSRB) as required of the Project Engineer and as required by the construction Contract, including formwork and falsework drawings.
10. The Consultant shall coordinate all construction activities between the Design Consultant (detailed below under Services to be performed by DOTD), the assigned representative of DOTD, and the FHWA. All work standards, methods of reporting, and documentation of pay quantities will be in accordance with the policies and procedures of DOTD. The Consultant shall submit all partial and final construction estimates, and other information on forms approved by DOTD.
11. The Consultant shall perform all documentation, as prescribed by the Department, on the Department’s construction software, Site Manager and HeadLight, and any future File Net procedures. The Consultant shall provide computer hardware, i.e., computers, printers, internet connections, scanners, etc. deemed necessary to the inspection services.
12. Any Consultant required Site Manager and HeadLight training will be **non-reimbursable** training.
13. The Consultant shall be available for conferences, visits to jobsites, and/or inspections by DOTD and other authorized representatives.
14. The Consultant shall submit “As-Built” plans with the final estimate. “As-Built” plans are to reflect all changes made from the original plans. The Consultant shall make all changes to the plans in red.
15. When stipulated by the Project Specifications, that approval by DOTD is required for material, equipment, and/or construction procedures, the Consultant shall follow DOTD policies for obtaining such approval.
16. All construction inspection personnel utilized by the Consultant must meet and retain the same qualification and certification requirements as required of DOTD construction personnel (excluding Traffic Control Requirements).
17. The Contractor shall perform construction layout, and the Consultant shall 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 to the construction Contractor contract in the nature of the work will be pre-approved in writing by DOTD, prior to the performance of stipulated work.
19. Change Orders shall be generated, distributed, coordinated and approved by the Consultant throughout the life of the project. Each will have to be approved through the Department’s process.
20. The Consultant shall monitor and document all construction claims in accordance with the appropriate EDSM, and provide recommendations on disposition of claims.

21. The 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). The Consultant shall conform to and enforce the LSSRB Section 105.19.2 definition of RFI.
22. The Consultant shall be responsible for insuring compliance with all DEQ, Army Corp of Engineers, and U.S. Coast Guard requirements.
23. The Consultant shall be responsible for notifying and coordinating construction activities with U.S. Coast Guard, Port of New Orleans, and local pilots' association.
24. DOTD requires that the consultant assign a full time consultant project engineer to this project. The assigned project engineer must be knowledgeable of all facets of the 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 District 02 Coordinator within 30 minutes. The project engineer's office should be in such proximity to the project that he may be on site within 60 minutes during normal work hours.
25. The Consultant shall perform any other duties normally required by DOTD Project Engineer's Office as directed by the DOTD Coordinator.
26. The Consultant shall disseminate press releases to the local media outlets pertaining to project status and any anticipated traffic pattern changes on a timely basis. The DOTD District 02 Coordinator will approve all press releases prior to dissemination by the consultant.
27. Monitor Contractor's required training in lead abatement procedures.
28. Review and comment on Contractor's health and safety plan, containment drawings, QA/QC Plan, heavy metals and hazardous material compliance plan, exposure monitoring, training, respiratory protection plans, an personnel protective equipment selection.
29. Perform sampling and testing of soil and air (and sediment and water where appropriate) at the site as follows:
  - a) Prepare a pre-existing condition sampling plan and submit it to DOTD for review and approval.
  - b) Two weeks prior to construction perform sampling. Record the identification and location of the samples. Samples are to be tested for lead and other toxic metals. Sample results are to be given to DOTD.
30. Perform paint sampling and submit them to the DOTD's Materials Laboratory.
31. Quality assurance of the painting contractor's coating quality control program to include field personnel consisting of coating inspection(s) (full-time) with tasks as follows:
  - a) Assure proper surface preparation and cleanliness prior to painting.
  - b) Check all surfaces for holidays and check dry film thickness of all coating applied per SSPC PA 2.
  - c) Check air compression equipment for properly operating oil and water filters.
  - d) Record, sample and submit for testing all paint batches. Assure that paint is properly stored, mixed and applied.

- e) Review Contractor's quality control reports; verify that proper techniques are used; assure that required readings are taken and recorded. Collect and review daily quality reports.
  - f) Write a daily, weekly, and monthly progress report.
  - g) Keep a daily report with entries, as follows:
    - Record number of workers and hours worked.
    - Estimate of square footage (with identity of members) cleaned, primed, second coated and top coated.
    - Record surface temperature and air temperature inside of containment before blasting and painting and after painting.
    - Record humidity inside containment before blasting and painting and after painting.
    - Record anchor profile readings on surface preparation using Press-0- Film tape per ASTM D4417, Method C.
    - Record paint thickness measurement per SSPC PA 2.
    - Record ambient temperature, humidity, wind speed and direction at the beginning, middle and end of each workday.
  - h) Monitor damage claim forms and ensure Contractor follows up and settles damage claims within the required period.
  - i) Immediately after the last coating inspection, submit the two metal blast plate panels (see 811.06.4.6) and the paint system application sample panel (see 811.05.14) to the project engineer for long term retainage.
32. Quality assurance of the painting contractor's heavy metal and hazardous material quality control program to include field personnel consisting of lead abatement environmental monitor(s) (during lead emission activities) with tasks as follows:
- a) Provide and site high volume TSP (Total Suspended Particulate) monitors daily during emissions generating activities.
  - b) Set up high volume TSP monitors with power supply and required maintenance.
  - c) Calibrate TSP monitors.
  - d) Record weather information (daily and weekly) time, date, ambient temperature and humidity, wind direction and speed, barometric pressure and general meteorological conditions.
  - e) Record identification of monitor and location (sketches or photos).
  - f) Record work activities and duration.
  - g) Record site idiosyncrasies.
  - h) Record sample information (start time, sample identification number, sampler serial number, and flow rates).
  - i) Conduct visible assessment of emissions for 15 minutes every hour during blasting, vacuuming or movement of containment and document adequacy of Contractor's containment.

- j) Provide chain of custody forms for filters showing release from field representative and receipt by the laboratory performing the analysis.
- k) Reporting of laboratory results along with other field observations.
- l) In general, provide monitoring during lead emission activities but provide 24-hour monitoring at infrequent intervals.
- m) Provide additional monitoring personnel to cover all shifts to ensure monitoring around the clock, if necessary.
- n) Provide three TSP monitor units- two in use, and one as a backup unit.
- o) Provide three electric power generators to support the TSP monitors - two in use one as a backup.
- p) Submit weekly and monthly reports stating findings and recommendations to project engineer and Contractor.
- q) Review of Contractor's documentation of waste handling, storage, labeling and sampling of potential hazardous waste. Maintain copies of waste transportation and treatment records. Provide a final written deliverable at the completion of the project summarizing all hazardous waste shipments for the project that details the following information in tabular format for each shipment:
  - Date of the Hazardous Waste Shipment,
  - Hazardous Waste Manifest Number,
  - Number of Drums/Containers Shipped, and
  - Date of Recycling/Date of Disposal.

Provide copies of all hazardous waste manifests and their corresponding Certificate of Recycling/Certificate of Disposal for the project as an Appendix to this report. Notify the project engineer if Contractor fails to produce these waste records prior to final payment of the contract.
- r) Review Contractor's wastewater permit obtained from the Parish as well as review the analytical test results and the ultimate release of wastewater.
- s) Perform wipe testing if Contractor releases particulate matters onto cars, building, etc.
- t) Perform sampling and testing of soil and air (and sediment and water where appropriate) at the site:
  - Prepare a sampling plan to determine post-construction conditions and submit to DOTD for review and approval.
  - After Contractor has removed containment from the site, perform sampling. Record the identification and location of the samples. Samples are to be tested for lead and other toxic metals. Sample results are to be given to DOTD.

The services to be performed will be under the direct supervision of the DOTD. DOTD shall assign a Project Engineer from its District 02 office to serve as the DOTD District 02 Coordinator for DOTD during project construction. The services will be performed in accordance with the latest applicable DOTD Construction Manual, Testing Procedures Manual, Sampling Manual,

Engineering Directives and Standards Manual (EDSM) and the latest version of the Louisiana Standard Specifications for Road and Bridges.

Immediately upon receiving authorization to proceed with the work, the Consultant shall receive and review the approved Construction Contractor's proposed progress schedule or bar chart, which shall show in particular, the appropriate items of work, times of beginning and completion by calendar periods, and other data pertinent to each schedule. In addition, this schedule or bar chart shall be arranged so the actual progress can be shown as the items of work are accomplished. It shall be revised monthly and submitted with other monthly data required. One (1) original and two (2) copies of this schedule shall be submitted.

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

The following services and/or data will be provided, if available:

1. DOTD will provide access to project plans and Construction Proposal.
2. DOTD Structural/Marine Fabrication Engineer will perform all shop and fabrication inspection.
3. DOTD will provide sampling plan for the project.
4. SiteManager Instructor and technical support.

### **INDEPENDENT TESTING LABORATORY**

In the event the DOTD Testing Laboratory is not available, the selected consultant must have access to a qualified independent testing laboratory, per 23 CFR 637.209. The selected consultant must provide documentation verifying access to a qualified independent testing laboratory to the DOTD PM within 10 business days of the award notification to the consultant.

### **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.

## 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 coating project manager and shall have a minimum of five (5) years of experience in responsible charge of managing coating inspection of major bridges consisting of truss spans, vertical lift truss, or major river crossings. This individual must also have:
  - a. NACE International (NACE) Coating Inspector Program Level 3 (CIP-Level 3) certification of NACE Protective Coating Specialist (PCS) certification or Society for Protective Coatings (SSPC) PCS certification; and
  - b. Successful completion of SSPC C-3 “Lead Paint Removal”, and successful completion of SSPC C-5 “Lead Paint Removal Refresher” within the last ~~two~~four (24) years.
4. At least one (1) environmental project manager with certification as an Industrial Hygienist from the American Board of Industrial Hygiene (ABIH) or recognition as a Professional Industrial Hygienist by the American Industrial Hygienist Association (AIHA); a minimum of three (3) years of experience in the oversight, implementation, and development of lead abatement plans for steel bridges; and successful completion of SSPC C-3 “Lead Paint Removal”, and successful completion of the SSPC C-5 “Lead Paint Removal Refresher” within the last four (4) years.
- 4.5. At least one (1) professional engineer, registered in the state of Louisiana, shall have experience in ensuring compliance with permits and other requirements associated with working with outside entities including the Army Corps of Engineers and the US Coast Guard.
- 5.6. At least one (1) professional engineer, registered in the state of Louisiana and shall have a minimum of five (5) years of experience in steel bridge construction/structural steel repair and rehabilitation.
- 6.7. At least one (1) inspector shall have a minimum of five (5) years of experience inspecting electrical systems construction on highway bridge construction projects.

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

MPR Nos. 1 through 3 may be met by the same person.

MPR No. 4 may be satisfied through the use of a sub-consultant.

MPR Nos. 4~~5~~ through ~~6~~7 may be met by the same person and satisfied through the use of a sub-consultant(s).

MPR No. 4~~5~~ may be met by the individual who satisfies MPR No. 3.

**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 DOTD inspectors, certified coating inspectors, and certified environmental monitors must be identified in Section 14 of the DOTD Form 24-102 and their resumes included in Section 16 of the DOTD Form 24-102.
- When applicable, certifications must be submitted in Section 20 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)