

ADVERTISEMENT FOR ENGINEERING AND RELATED SERVICES
May 31, 2019

[ADDENDUM NO. 2, JUNE 14, 2019](#)

[ADDENDUM NO. 1, JUNE 12, 2019](#)

CONTRACT NO. 4400017033

LA 1/LA 415 CONNECTOR

STATE PROJECT NO. H.005121

F.A.P. NO. H005121

WEST BATON ROUGE 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 Federal Government using SAM.gov prior to contract execution.**

All prime and sub-consultants submitting proposals for this advertisement must have an Annual Personnel List (APL) on file with DOTD prior to the closing of this advertisement.

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 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. consultant's firm experience on similar projects, weighting factor of three (3);
2. consultant's staff experience on similar projects, weighting factor of four (4);
3. consultant's firm size as related to the estimated project cost, weighting factor of two (2);
4. consultant's past performance on similar DOTD projects, weighting factor of six (6)*; and
5. consultant's current work load with DOTD, weighting factor of three (3).

*Past performance rating categories listed in the table below will be used for performance ratings for this contract.

Project Category Weighting - Typical

The project complexity is **complex**.

The project time is **compressed**.

The contract amount is **≥ \$2,500,000**.

The route classification is **Non-NHS Local**.

Therefore, the Project Magnitude for this advertisement is **MEDIUMLARGE**.

If any sub-consultants are proposed to be used for the referenced contract(s), then Section 11 must represent the percentage of overall work that will be done by each firm.

THE FOLLOWING TABLE MUST BE COMPLETED AND INCLUDED IN SECTION 11 OF THE PRIME CONSULTANT’S DOTD FORM 24-102 PROPOSAL.

Prime consultants who perform 100% of the work may state so in lieu of including this table. In all other cases, the prime consultant shall fill in the table by entering the name of each firm that is part of the proposal and the percentage of work in each past performance rating category to be performed by that firm. Consultants shall not add past performance rating categories. The percentage estimated for each past performance rating category is for grading purposes only, and will not control the actual performance or payment of the work.							
Past Performance Rating Categories**	% of Overall Contract	Prime	Firm B	Firm C	Firm D	Firm E	Firm F
Bridge Design – Structural (BDS)	57%						
Road Design (RX)	28%						
Traffic Engineering – Development (TD)	5%						
Contract Management (CM)	10%	100%	n/a	n/a	n/a	n/a	n/a
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%						

**Consultants with no past performance rating in a given category will be assigned the average rating of the firms submitting for that category, the statewide average rating for that category, or three (3.0), whichever is lowest as of the date the advertisement was posted.

Consultants 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 firm’s rating in each category will then be added to arrive at the consultant’s final rating.

If sub-consultants are used, the prime consultant must perform a minimum of 51% of the work for the overall contract. The prime consultant and each sub-consultant will be evaluated on their part of the contract. The individual prime consultant and sub-consultant ratings, proportional to the amount of their work, will then be added to arrive at the total consultant rating.

DOTD’s Project Evaluation Team 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.

RULES OF CONTACT

These rules are designed to promote a fair and unbiased selection process. 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 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 heads, 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.

No protest or appeal will be entertained unless made in accordance with the procedures found on DOTD's website, which are incorporated herein by reference and can be accessed at: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Pages/Process_Procedures.aspx.

PROJECT TIME

The time for the completion of the initial scope of services is estimated to be **one year**.

COMPENSATION

The compensation type for this contract is non-negotiated lump sum.

The maximum compensation payable to the consultant for all services rendered in connection with this contract shall be **\$3,100,000**.

DOTD shall pay and the consultant agrees to accept as full compensation for the initial services specifically set forth herein a lump sum of **\$1,014,468**.

DIRECT EXPENSES

To the extent that the consultant is allowed to claim reimbursement for direct expenses, all direct expense items which are not paid for in the firm's indirect cost rate and which 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." 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 the Scope of Services provided in Attachment A includes design of one (1) or more bridges and/or component parts thereof, the prime consultant shall submit a bridge design QA/QC plan document specifically developed for this contract as part of the DOTD Form 24-102. The QA/QC plan document must comply with the minimum requirements in the DOTD Bridge Design Section Policy for QA/QC as stated in Part I, Chapter 3 of the DOTD Bridge Design & Evaluation Manual (BDEM). The grading instructions, the rating matrix, and the grading sheet for the QA/QC plan document are included in Appendix G of the BDEM Part I, Chapter 3 – Policy for QA/QC. The QA/QC plan document shall be prepared to address all evaluation criteria included in the rating matrix. The QA/QC plan document must be implemented for all bridge design activities in both design phase and construction support phase of the contract. The prime consultant is fully responsible for QA/QC of their work as well as the work of all sub-consultants.

All contract proposals must include a QA/QC certification that the proposals meet the requirements of the QA/QC plan document.

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. For consultants performing traffic engineering services (i.e., traffic analysis throughout all DOTD project stages), 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 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 (i.e., 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. **The consultant shall explain in Section 16 of DOTD Form 24-102 how they plan to meet the work zone requirements.** 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 Barry Lacy 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

4. DOTD Location and Survey Manual –
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
6. DOTD Roadway Design Procedures and Details –
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
8. DOTD Hydraulics Manual –
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
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%20V2.0%205-28-2015.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
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
17. DOTD Construction Contract Administration Manual –
http://apps2/engineering/Construction/forms/CCA_Manual/01_Construction_Contract_Administration_Manual_2011.pdf
18. DOTD Materials Sampling Manual –
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/Menu_MSM.aspx

19. DOTD Bridge Design Manual –
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%202017.pdf
21. Bridge Inspector’s Training Manual –
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Operations/BridgeMaintenance/Pages/Documents-and-Manuals.aspx
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/Federal%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
25. Traffic Engineering Manual -
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/Publications/Pages/Process%20and%20Report.aspx

CONTRACT EXECUTION REQUIREMENTS

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

See Attachment C for sample contract provisions.

DBE - The selected consultant shall have a Disadvantaged Business Enterprise (DBE) goal of **8%** of the contract fee. 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. Credit will only be given for use of DBEs that are certified by the Louisiana Unified Certification Program.

Prime consultants must specify by firm name in Section 10 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 17, 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

One (1) original (**stamped "original"**) and **five (5)** copies of the consultant's response to this advertisement must be submitted to DOTD on the most current version of the DOTD Form 24-102 (available at http://bit.ly/CCS_ManualsFormsAgreements) along with an electronic copy (USB flash drive only) in a searchable Portable Document Format (PDF). 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.

Any sub-consultants to be used in performance of this contract, must also submit a DOTD Form 24-102, which is completely filled out and contains all information pertinent to the work to be

performed. The sub-consultant's DOTD Form 24-102 must be firmly bound to the prime consultant's DOTD Form 24-102.

Contract and/or part-time employees are allowed. Such employees should be shown in Section 12 of the DOTD Form 24-102 with an asterisk denoting their employment status.

The DOTD Form 24-102 should be identified with **contract number 4400017033 and/or State Project No. H.005121**, and shall be submitted **prior to 3:00 p.m. CST on Wednesday, June 26~~19~~, 2019**, by hand delivery or mail, addressed to:

Department of Transportation and Development
Attn.: Darlene Major
Consultant Contract Services Administrator
1201 Capitol Access Road, **Room 405-E**
Baton Rouge, LA 70802

Phone: (225) 379-1025

ATTACHMENT A – SCOPE OF SERVICES

The home office indirect cost rate shall be applicable to all services except as otherwise designated hereafter.

PROJECT DESCRIPTION

Specifically, the Project includes construction of a new connector between LA 1 near LA 988 (Beaulieu Lane) and I-10 at the LA 415 interchange. The project, approximately 2.7 miles in length, is comprised of a new four-lane roadway and two, two-lane bridges over the Gulf Intracoastal Waterway, traffic signal analysis and design on LA 415 and LA 1, and modifications to the I-10 ramps at LA 415. Elevated structures will be required for much of the project, including an elevated ramp from Northbound LA 1 to the new connector and an elevated ramp from the new connector to LA 1 Southbound. The bridge typical sections shall consist of two 12-foot lanes with 4-foot inside and 8-foot outside shoulders.

STAGE 3: DESIGN

- Task 1: Project Management
- Task 2: Traffic Signal Analysis and Design
- Task 3: Preliminary Plans

The services to be performed by the Consultant are described more specifically as follows:

Task 1: Project Management

Management activities shall consist of all project administration and coordination (with sub-consultants, DOTD, and West Baton Rouge Parish, etc.) necessary for the satisfactory completion of all project deliverables within the established timeline. The Consultant shall attend all relevant project information meetings.

Task 2: Traffic Signal Analysis and Design

➤ Sub-task 1.0: Initial Meeting and Initial Data Collection

The Consultant shall meet at the District 61 office for an initial meeting to discuss the project prior to any work. The purpose of this initial meeting is to establish procedures and deliverables. The Consultant will prepare the meeting minutes to be reviewed by the attendees.

a. Peak Period Determination

The Consultant will perform 7-day 24-hour machine counts with classification in 15-minute intervals at two (2) locations (see map) following TEPR. The Consultant shall provide raw data, charts and/or graphs representing the corridor peak per TEPR requirements. The Consultant shall provide their peak period determination for turning

movement counts and submit this to DOTD for approval prior to any peak period counts being taken following TEPR.

b. Traffic Signal Inventory

The Consultant will also perform an inventory at the five (5) intersections. This inventory will use the Signal Inspection Form (provided by DOTD) and the DOTD Traffic Signal Inventory (TSI) Form including intersection sketch. The inventory must include the following information:

1. LRS I.D.
2. Log Mile
3. Road Name
4. Lat/long
5. Parish
6. City
7. Urban Area (If applicable)
8. Federal Aid System
9. Police Hand Cord
10. Emergency Vehicle Preemption (vehicle or railroad) (May require additional TSI sheets)
11. Bulb Type or LED
12. Power Quick Connect
13. GPS (For Internal Clock Maintenance)
14. No. of Blank Out signs
15. Signal Types
16. Signal Status
17. Cabinet Type
18. Cabinet Mount Type
19. Controller Type
20. Controller Serial No.
21. Conflict Monitor Type
22. Conflict Monitor Serial No.
23. Interconnect System Name and No.
24. Interconnect Roll
25. Interconnect Type
26. Communication Type
27. No. of Cross Walks
28. PED Push Button Size
29. No. of PED Word Heads
30. No. of PED Push Buttons
31. No. of PED Symbol Heads
32. Type of PED Heads (I.E. Countdown, "Don't Walk", or symbol)
33. Signal Pole Layout (Box, Angle, etc.)
34. Presence of Signal Detection
35. Presence of Loops
36. No. of Loops

37. Presence of Setback Loops
38. Presence of Microwaves
39. No. of Microwaves if applicable
40. Total No. of Video Detectors
41. No. of Radar
42. Volume Density Detection
43. WVDS
44. Detection Manufacturer Type
45. Single Mast Arm Quantity
46. Mast Arm No. of spans
47. Signal Pole type, length, and height
48. Pole Spans and Heights
49. Signal Heads (No., size of heads, Lens light source, Back Plates, Reflective, Visors)
50. Left turn arrow information

Intersection Sketches (Must be completed in CADD)

1. TSI #
2. Street Names (State Route #'s/Name)
3. North Arrow
4. Signal Layout (Poles, Cabinet, heads)
5. Signal Poles (Type and Dimensions)
6. Signal Head Numbers (Based on TSI)
7. Lane Assignments (Label Phasing)
8. Lane Widths
9. Turn lane storage lengths
10. Median widths
11. Shoulder widths
12. Pavement Markings
13. Detection Information (Setback loop Distances, etc.)
14. Signal Head Information (Back plates & Visors)
15. Police Hand Cord (Note if present)
16. Emergency Vehicle Preemption (RR or other)
17. Back Up Power Quick Connect (Note if present)
18. GPS
19. No. of Blank out Signals
20. All Intersection Signing (Ground and Signal Mounted)
21. No. of Signal heads, head type, and head diameter.

The Consultant shall also note if something is not working properly or hooked up such as detection, communication, LED's that are burned out, and missing signs, etc.

The Consultant will submit all Peak Period Determinations and Traffic Signal Inventories for review. The DTOE and Traffic Engineering Development will provide the Consultant with Peak Hour Determination approval prior to the Consultant proceeding with Sub-task 2.0.

Deliverables:

1. *Initial Meeting Minutes*
2. *7-day, 24-hour classification counts in 15-minute intervals at two (2) locations.*
3. *Recommended peak periods to determine when manual counts and observations should be performed.*
4. *Inventory of Traffic Signal intersections (Both Signal Inspection and TSI Forms)*

➤ **Sub-task 2.0: Final Data Collection**

a. TMC's with Demand

The Consultant shall perform peak period turning movement traffic counts for six (6) intersections (see map) based on the approved times from Sub-task 1.0. The peak period counts will include the three (3) DOTD classifications (per TEPR), bicycles and pedestrian. The 48-hour counts (totaling 18 count locations) associated with the TMC's locations shall be taken at the same time.

All counts will be taken in accordance with DOTD Signal Design Manual and the TEPR. The peak period manual turning counts shall be taken at times approved by DOTD at the completion of Sub-task 1.0.

b. Peak Period Observations

These observations shall be collected at all TMC locations and include characteristics such as, but not limited to, queue lengths, congestion, lane utilization, and operational issues. These observations should provide a great amount of detail in order to explain what is occurring in the field during a typical peak period. An overall explanation should be provided that shows when and where the corridor experiences operational issues, when and for how long it experiences congestion, any and all trouble some areas along the corridor, etc. Peak Period Observations are to follow TEPR. The peak period observations are used to calibrate Synchro.

The Consultant will schedule a meeting with the DTOE, Traffic Engineering Development and the Project Manager to discuss the TMC's and Peak Period Observation. The Consultant will provide meeting minutes to be reviewed by attendees.

The Consultant will provide DOTD with all the deliverables listed below. The number of timing plans will be given to the Consultant after Sub-task 2.0 deliverables have been approved.

Deliverables:

1. *An electronic copy of all of the count data shall be submitted in Excel format and prints/reports from counters.*
2. *The manual count diagrams showing all movements entering the intersection and their direction in 15-minute intervals.*

3. *The summary of the manual counts for all movements in 15-minute intervals which include the peak hour factor, demand and a diagram of the sum of the peak hour traffic along with the turning movements and the queue lengths (ft.).*
4. *Warrant analysis for all warrants (no conclusions or recommendations)*
5. *Clearance interval worksheet showing inputs and results.*
6. *Summary of Peak Hour Observations in pdf format*
7. *Electronic files from software analysis and all Deliverables in pdf and Excel format.*
8. *Meeting minutes*

➤ **Sub-task 3.0: Traffic Signal Analysis**

The Consultant is to use the TransCAD model for I-10 and the collected data from the previous Sub-tasks to determine both LA 1 and LA 415 traffic impacts due to the LA 415 extension. The Consultant is to schedule a meeting to discuss the traffic impacts and provide a Traffic Impact Summary. The Traffic Impact Summary is to be provided to the Project Manager for review a minimum of two (2) weeks prior to the scheduled meeting.

The Consultant is to use the provided LA 415 Study for the determination related to a possible signal at the interchange of I-10 and LA 415. This determination is to be reflected in the analysis.

The Consultant will modify or create a Synchro 10 analysis for both LA 415 and LA 1 based on the following conditions:

- Existing conditions with the designed LA 415 Extension constructed
- Conditions based on the H.001234 conditions and the designed LA 415 Extension constructed

Signal timings are to be developed based on the number of timing plans determined in Sub-task 3.0. These timing plans shall be provided for both conditions. All defaults and any changes with justifications are to be provided to DOTD for verification prior to the Consultant beginning analysis. The Consultant will analyze the signal systems to determine timing plans. Before the TSIs are completed, a Traffic Signal Report shall be prepared documenting per movement existing queue, delay, as well as the recommended timing plans with associated queues and delay per movement for each new timing plan. The Consultant will submit this analysis to DOTD for approval prior to proceeding with Sub-task 5.0.

The Consultant will schedule a meeting with the DTOE and the Project Manager to discuss the Synchro file defaults and how the Peak Period Observations will be included in the files. The Consultant will provide meeting minutes to be reviewed by attendees.

All intersection analyses shall be performed using Synchro 10.

Deliverables:

1. *Synchro 10 Files – Electronic*
2. *Comparison between Peak Period Observations and Synchro files with justifications for deviation from defaults*

3. *Proposed timing parameters shall be submitted in Synchro and a hardcopy form.*
4. *Traffic Impact Summary*
5. *Traffic Signal report pdf format*
6. *QAQC Documentation*
7. *Meeting Minutes*

➤ **Sub-task 4.0: Finalized Proposed TSIs**

The Consultant shall submit Updated TSIs based on the approved times in Sub-task 4.0. The Consultant will use the TSI form provided by DOTD. This task will be complete once DOTD reviews and accepts all TSIs. The accepted Complete TSIs are to be included in the Final Traffic Signal Report.

Deliverables:

1. *Completed TSI forms submitted in Excel, Microstation and hardcopy format
(This task will be completed after DOTD approval of one TSI form)*
2. *Programming Sheets (in the Excel form provided by the District)*
3. *Final Traffic Signal Report Document*

➤ **Sub-task 5.0: Traffic Signal Construction Plan Creation**

(The consultant shall not proceed with Sub-task 5.0 until given approval from DOTD project manager)

The Consultant shall create a DOTD TSI Construction Format sheet(s) for each signal requiring modification or construction. The Consultant shall also provide plans showing the fiber installation and connection for any signal that does not have a fiber connection. The Consultant shall also provide an excel spreadsheet showing the Quantities. The plan creation will require the following:

Hardware Location – A preliminary layout of signal poles, signal heads, overhead signs, detection (loops and/or video) and controller will be prepared prior to the field inspection. This layout will be the basis for conducting the field inspection.

Field Inspection – A field inspection of each intersection will be held. The Consultant will furnish the base drawing to the Department. A representative from Traffic Engineering, the District and Consultant will attend the inspection. Unless otherwise determined through correspondence, the purpose of the inspection will be to locate existing and proposed signal equipment including but not limited to poles, conduit, cabinet, controllers, detection, power supply, power disconnect and interconnect. During the inspection, the Consultant will collect digital photographs of the intersection.

Signal Sheets – These plans shall use the proposed TSI's created and approved in Sub-task 5.0. The signal will be required to have all required sheets as stated in the most recent Traffic Signal Manual.

Cost Estimate – The Consultant shall provide cost estimates of the project at the completion of preliminary plans and again at the completion of final plans.

The Consultant shall provide the plans for review at the following stages:




- 100% Preliminary – Signal Timings, Proposed Hardware Locations and Initial Cost Estimate
- 60% Final Plans – Signal Timings, Updated Hardware Locations, Wiring Diagram and updated Cost Estimate
- 95% Final Plans – Complete Traffic Signal Plans and Updated Cost Estimate

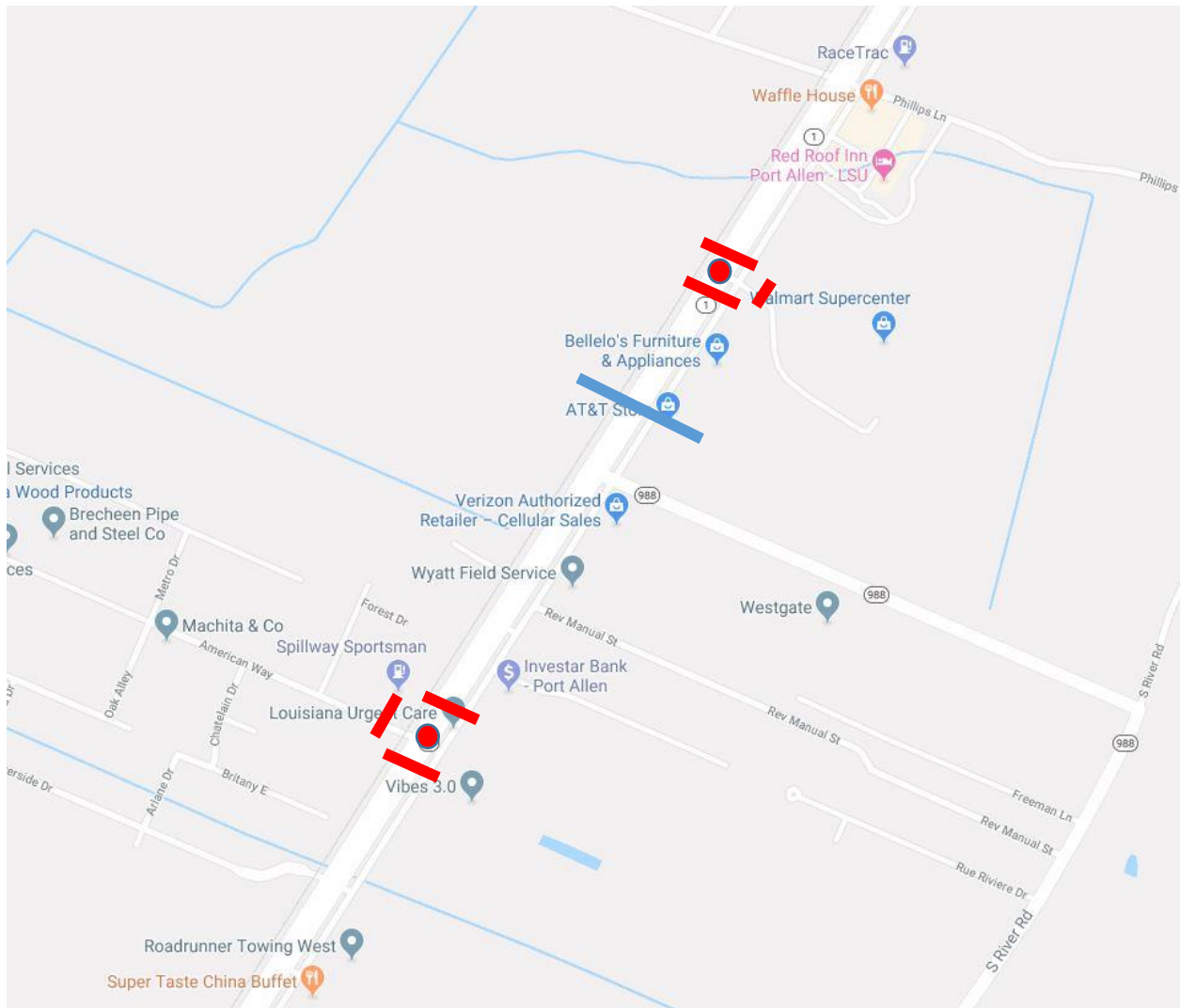
The Consultant may be required to submit additional plan sets based on the need of additional review. Once all reviews are complete, the Consultant shall provide signed and stamped plans with a final cost estimate once all reviews are completed.

Deliverables:

1. *The Consultant shall provide both a hard copy and pdf version of plans for each review submittal.*
2. *The Consultant shall provide both a hard copy and pdf version of signed and stamped plans.*
3. *The Consultant shall provide a USB with electronic copies of all signal files and plans.*
4. *The Consultant shall provide a USB containing all digital photographs from field inspections.*
5. *Attendance of Follow-up Meeting*
6. *Preparation of Minutes*

The following Legend is to be used for the attached maps.

LEGEND	
24-hour/7-day study	
48-hour study	
TMC	





Task 3: Preliminary Plans

Preliminary Plans shall consist of all engineering services required for the completion of Preliminary Plans and cost estimates for the project, all under a schedule for completion which shall be in conformity with the contract time specified elsewhere in this contract or established by supplemental agreement. Specifically, the work under this section consists of the following major items:

1. Prior to submitting any document to DOTD for review and comment, the Consultant shall complete detailed checks of all work product and peer reviews of substantial deliverables and specialized analyses. Detailed checks shall be completed by a staff person who is not directly associated with the development of the work product.
2. The assembly and study of existing data, including improvement studies, boring information, if any, traffic data available through DOTD, and such other data as can be located through efforts of the Consultant.
3. Project kick off meeting, design/production meetings, and site visit(s) as required.
4. The performance of a cost analysis as required, determining the most economical structure design for the particular location of this project, and the preparation of a corresponding report in reproducible form for DOTD's use.
5. The preparation and submittal of a synopsis of electronic data processing applications for the design of bridges to the DOTD's Bridge Design Engineer for his approval prior to their use. The synopsis shall include the following:
 - a. A general explanation of each electronic data processing application to be used, and certification by the Consultant that it is maintained in accordance with the latest AASHTO LRFD Bridge Design Specifications.
 - b. The name of the developer or the name of the company providing services to the Consultant for each electronic data processing application.
 - c. An account of the Consultant's experience and the experience of other organizations or agencies that use each electronic data processing application.
6. The preparation and submittal of Preliminary Plans, design criteria, and QC/QC documents for the project shall be in accordance with the requirements outlined in the latest AASHTO LRFD Bridge Design Specifications and in the current editions of DOTD's Roadway Design Procedures and Details Manual, Bridge Design and Evaluation Manual, Bridge Design Technical Memoranda (BDTM), General Guide for Bridge Plan Preparation, and Hydraulics Manual. Design for Preliminary Plans shall be done in English units of measurement. Statements in the Manuals which may be in conflict with requirements specified in the main body of this contract shall be considered as superfluous information and not applicable to this contract. Three sets of these plans, at the 30%, 60%, 90%, and 100% Preliminary Plans stages, as well as links to the posted plans in ProjectWise, shall be submitted to the Project Manager for preliminary examination and comments after they have been developed to show all information required for a Plan-in-Hand inspection and, upon receipt of any such comments, the Consultant shall revise the plans accordingly. The Consultant shall then submit to the Project Manager all computer-generated original

reproducibles of the Preliminary Plans. The Plans shall be dated and stamped "Preliminary" for further review, and for DOTD's use in developing the prints necessary for a complete Plan-in-Hand field inspection with members of the DOTD and other interested parties, when so named herein, at a time and date mutually agreed to in advance by all parties.

Subsequent to the Plan-in-Hand inspection, the Consultant shall make all changes in the plans, as necessary, to reflect agreements reached at this Stage. The plans shall show the existing right-of-way and any taking lines required for additional right-of-way, and shall be referenced to the centerline of the project. The Consultant shall then submit revised computer-generated original reproducibles of the plans to the Project Manager.

Specifications for the project shall be in accordance with the latest edition of Louisiana Standard Specifications for Roads and Bridges, amended to comply with the current practices of DOTD.

7. The preparation and submittal of (but not limited to) the following:
 - a. Estimates of construction contract costs based on estimated quantities developed for each submittal of Preliminary Plans.
 - b. Special Provisions and Non-Standard Pay Items (if required).
 - c. Design Report and QA/QC Certification (with all signatures).
 - d. Responses to the Value Engineering Workshop Report recommendations.
8. The preparation and submittal of all permit drawings necessary for incorporation into DOTD's application for a permit to cross navigable waterways and wetlands. Such drawings shall be original, reproducible drawings. The format of these drawings shall comply with the U. S. Coast Guard's or U. S. Corps of Engineer's standards, as the case may be, and shall be subject to the approval of the DOTD's Bridge Design Engineer before acceptance.
9. The design format for this improvement shall comply with the criteria prescribed in 23 CFR 625, Design Standards for Highways. The format of the plans shall conform to the standards used by DOTD in the preparation of its contract plans for items of work of similar character, including plans for all drainage and utilities affected.

ADDITIONAL SERVICES (IF REQUIRED)

The scope of services, compensation and contract time for future engineering services will be established by new Supplemental Agreement(s) for the following:

- Stage 3: Design (Final Plans, including As-Designed Bridge Rating Report, Bridge Calculation Book, Right of Way (R/W) Maps)

SERVICES TO BE PERFORMED/ITEMS TO BE PROVIDED BY DOTD

- TransCAD model from CRPC
- LA 415 Study
- As-built roadway plans
- Environmental Assessment
- Topographic Survey
- Deep Borings, Subgrade Soil Survey, and Geotechnical Design Report
- All engineering information obtained from West Baton Rouge Parish under previous engineering contracts. This information should include all previous design plans for the proposed roadway and bridge
- Navigational and Roadway Lighting Design
- Value Engineering Workshop Report and comment form
- Vessel Survey Summary
- Pavement design(s) for required roadway sections
- Standard Plans and Special Details (through ProjectWise), as required

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 professional engineer registered in the state of Louisiana.
2. At least one (1) principal or other responsible member of the prime consultant shall be currently registered in Louisiana as a professional engineer in civil engineering.
3. At least one (1) principal or responsible member of the prime consultant shall have a minimum of ten (10) years of experience in responsible charge of bridge design.
4. At least one (1) principal or other responsible member shall be a professional civil engineer registered in the state of Louisiana, with a minimum of ten (10) years of experience in using the Louisiana Standard Specifications for Roads and Bridges and the Louisiana DOTD Bridge Design Manual.
5. At least one (1) professional civil engineer registered in the state of Louisiana, with a minimum of ten (10) years of design experience in reinforced concrete and pre-stressed concrete bridges, steel plate girders bridges, pile bents and column bents, fender and pier protection systems, and bridge bearings.
6. At least one (1) professional civil engineer registered in the state of Louisiana, with a minimum of two (2) years of bridge rating experience.
7. At least two (2) professional civil engineers registered in the state of Louisiana, with a minimum of ten (10) years of experience in roadway design and the Louisiana DOTD Roadway Design Procedures and Details Manual.
8. At least one (1) professional engineer, registered in the state of Louisiana, with a minimum of ten (10) years of experience in quality assurance for all engineering disciplines represented in the plans.
9. At least one (1) professional traffic operations engineer (PTOE), registered in the state of Louisiana, with a minimum of five (5) years of traffic analysis experience.

MPR Nos. 1 through 3 may be met by one or more person(s).

MPR No. 9 may be satisfied through the use of a sub-consultant(s).

ATTACHMENT C – SAMPLE CONTRACT PROVISIONS

REVISED 5/6/2019

**STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT**

CONTRACT FOR CONSULTING SERVICES

CONTRACT NO. 44XXXXXXXX

STATE PROJECT NO. H.XXXXXX

FEDERAL AID PROJECT NO. HXXXXXX

PROJECT NAME XXXXXXXX

***** MORE NAME**

*****ROUTE**

***** PARISH**

STATE FUNDS ONLY OR FUND TYPE HERE (ASK PM)

THIS CONTRACT is made and entered into this _____ day of _____, 20____, by and between the Louisiana Department of Transportation and Development (hereinafter referred to as “DOTD”), and *****[consultant]**, *****[location]**, ***** Louisiana** (hereinafter referred to as “Consultant”).

Under the authority granted by Part XIII-A of Title 48 of the Louisiana Revised Statutes, DOTD has elected to engage Consultant to perform, and Consultant agrees to perform the services described in the Scope of Services under the terms and conditions, and for the compensation as stated in this contract.

**ARTICLE I
ENTIRE AGREEMENT (March 2018)**

Use this paragraph for competitively selected contracts:

This contract, together with the advertisement of [date] and Addendum No. 1 or (if plural) Addenda Nos. ###, the DOTD Form 24-102 submitted by Consultant in response to the advertisement, and any attachments and exhibits to the foregoing, all of which are specifically incorporated herein by reference, constitute the entire agreement between the parties with respect to the subject matter. However, in the event of a conflict between the terms of this contract and the referenced documents, this contract governs.

Use this Paragraph for Non-Competitive Selections:

This contract and any attachments and exhibits hereto constitute the entire agreement between the parties with respect to the subject matter. However, in the event of a conflict between the terms of this contract and the referenced documents, this contract governs.

**ARTICLE II
CONTRACT IDENTIFICATION (March 2018)**

Contract No. 44***** and State Project No. H***** has/have been [State Funded Projects] OR Contract No. 44*****, State Project No. H***** and Federal Aid Project No. H*** has/have been [State and Federal Funded] assigned to this contract to identify costs. All invoices, progress reports, correspondence, etc., required in connection with this contract shall be identified with the DOTD project title, project number*[s], and Purchase Order Number.

**ARTICLE III
SCOPE OF SERVICES (March 2018)**

The various tasks to be performed by Consultant for this project are described more specifically in Attachment A, attached hereto and made a part of this contract. [Attach scope from advertisement.]

Consultant shall perform the work in accordance with the terms of this contract under the direct supervision of a DOTD Project Manager (PM), who shall be identified when a Notice to Proceed (NTP) is issued for the work. Deliverables shall be in such format as required in Attachment A. The work performed by Consultant under this contract 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.

**ARTICLE IV
QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) (March 2018)**

Consultant's QA/QC plan document is attached hereto as Attachment B, and is incorporated by reference herein. [Attach Attachment B.] The QA/QC plan document must be implemented for all contract activities in all phases of the project. Although DOTD may provide limited input and technical assistance to Consultant, the prime consultant is fully responsible for QA/QC of its work as well as the work of all sub-consultants. All project submittals must include a QA/QC certification that the submittals meet the requirements of the QA/QC plan document.

**ARTICLE V
CONTRACT TIME AND NOTICE TO PROCEED (March 2018)**

This contract shall be in effect and binding upon all parties until all work is completed and accepted and all conditions have been met unless terminated earlier as provided herein.

Consultant shall proceed with the services specified herein after the execution of this contract and upon written NTP from the PM. The due dates for all project deliverables shall be established by the PM in the NTP, and may be modified by the PM through a subsequently approved project schedule. The PM will consider input from the Consultant when establishing the project schedule.

**ARTICLE VI
GENERAL REQUIREMENTS (March 2018)**

It is the intent of this contract that, with the exception of the items specifically listed to be furnished by DOTD, Consultant shall, for the agreed compensation, obtain all data and furnish all services and materials required to fully develop and complete the required scope of services of the project. All items required to accomplish these results, whether or not specifically mentioned in this contract, are to be furnished at a cost not to exceed the maximum amount established by this contract. If an error or omission is detected by Consultant in data provided to Consultant by DOTD, Consultant shall notify DOTD and may request a suspension of contract time. In the event that contract time is not suspended, Consultant shall perform work only on those portions of the work unaffected by the error or omission.

**ARTICLE VII
COMPENSATION (March 2018)**

The maximum compensation payable to Consultant for all services rendered in connection with this contract shall be \$###.

Optional: If the compensation is lump sum use the following:

DOTD shall pay and Consultant agrees to accept as full compensation for the initial services specifically set forth herein above a lump sum of \$###, which is subdivided as follows:

Task	\$###
Task	\$###

Use this for cost plus fixed fee:

Compensation to Consultant for the initial services specifically set forth herein above shall be made on the basis of actual cost plus a fixed fee of \$### with a maximum limitation of \$### for services performed and an allocation for direct expenses not to exceed \$###. The maximum limitation for initial services is subdivided as follows:

Task	\$###
Task	\$###

Use this for cost per unit of work:

Compensation to Consultant for the initial services specifically set forth herein above shall be made on the basis of cost per unit of work, as provided herein below, with a maximum limitation of \$###. The maximum limitation for initial services is subdivided as follows:

Task	\$###
Task	\$###

If Specific Rates of Compensation (billable rates) use following:

Compensation to Consultant for the initial services set forth herein shall be based on actual work hours and specific rates of compensation, as established in the most current Rate Letter issued by

DOTD Consultant Contracts Services, for the work performed and the direct expenses incurred by Consultant, with a maximum limitation of \$### for services performed and an allocation for direct expenses not to exceed \$###. The maximum limitation for initial services is subdivided as follows:

Task	\$###
Task	\$###

The compensation to be paid herein for each task shall not be combined with or transferred to other tasks, except by a fully executed Supplemental Agreement.

If specific rates of compensation are established herein, Consultant may request to have such specific rates of compensation updated on a yearly basis; provided, however that any resulting adjustment to the contract specific rates of compensation shall not be cause for an increase in the maximum compensation limitation imposed herein.

ARTICLE VIII DIRECT EXPENSES (April 2018)

If it is provided herein that direct expenses are to be reimbursed, direct expense items must not be included in the calculation of the firm's indirect cost rate, must be used exclusively for this contract, and must be fully consumed during the life of this contract. Standard equipment or resources to be used in the provision of services rendered for this contract will not be considered for reimbursement as direct expenses. Requests for reimbursement of direct expenses must be accompanied with adequate supporting documentation. Failure to provide adequate supporting documentation may, in DOTD's sole discretion, result in a determination that such expenses are not eligible for reimbursement.

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

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."

All direct expenses must comply with the requirements of 48 C.F.R. 31.

For Lump Sum Compensation type contracts, use the following 'Payment' section.

ARTICLE IX PAYMENT BASED ON LUMP SUM (April 2018)

Payments of undisputed amounts for services rendered by Consultant and/or sub-consultant shall be made monthly. The payments shall be based on a standard certified correct invoice directly proportional to the percentage of completed work, as shown in the monthly progress schedule. The monthly progress schedule shall: a) show in detail the status of the work, b) be subdivided

into appropriate stages with estimated percentages for each stage, c) state the percentage of work completed on the total project as of the date of the invoice, d) state the projected completion date for any/all deliverable(s) as of the date of the invoice, and e) be of a form and with a division of items as approved by DOTD.

The invoice, reflecting the amount and value of work accomplished to the date of such submission, shall be submitted each month directly to the PM. The invoice shall also show the total of previous payments made pursuant to this contract and the amount due and payable as of the date of the current invoice.

A principal member of the Consultant must sign, date, and certify the invoice for correctness. Each invoice shall be submitted to the PM.

Upon receipt of each invoice, DOTD shall check the invoice for correctness and return if required; upon acceptance and approval of a standard certified correct invoice, for services satisfactorily performed, DOTD shall pay the amount shown to be due and payable within thirty (30) calendar days.

All costs must comply with the requirements of 48 C.F.R. 31.

For Cost Plus Fixed Fee Compensation type contracts, use the following 'Payment' section.

ARTICLE IX PAYMENT BASED ON COST PLUS FIXED FEE (April 2018)

Payments of undisputed amounts for services rendered by Consultant and/or sub-consultant shall be made monthly. Cost reimbursements for services rendered by Consultant and/or sub-consultant shall be made monthly on undisputed amounts based on a standard certified correct and itemized invoice subdivided for each task, as applicable. Each invoice shall detail the names of the employees, the time worked, their classification and rates of pay, and the approved DOTD audited indirect cost rate for the work that gave rise to the invoice, as per the "Audit" article of this contract. The contract indirect cost rates shall be adjusted during the course of this contract, as per the "Audit" article of this contract. The invoiced indirect cost rate shall not exceed the approved DOTD audited indirect cost rate for the work that gave rise to the invoice, as per the "Audit" article of the contract. Payments of fixed fee shall be based on a standard certified correct invoice directly proportional to the percentage of completed work, as shown in the monthly progress schedule. The monthly progress schedule shall: a) show in detail the status of the work, b) be subdivided into appropriate stages with estimated percentages for each stage, c) state the percentage of work completed on the total project as of the date of the invoice, d) state the projected completion date for any/all deliverable(s) as of the date of the invoice, and e) be of a form and with a division of items as approved by DOTD.

Invoices for work performed shall be submitted monthly and be directly related to the monthly progress schedule. DOTD shall not approve any invoice in which the proportional amount of the total contract compensation for any individual stage exceeds the percentage of project completion for that stage by more than five percent. Invoices reflecting any charges for labor must be

accompanied by timesheets showing hours worked on each date referenced in the invoice and including a detailed description of tasks performed during those work hours.

Payments shall also be made monthly for direct expenses chargeable and identifiable to this contract, provided such charges are substantiated by documentation that is subject to audit. Direct expenses shall be disallowed if subsequent audits reveal that adequate supporting documentation has not been maintained. If any invoiced amounts are disallowed after payment as a result of a subsequent audit, DOTD will invoice Consultant for the amount of any overpayments and Consultant shall be required to repay such amount within sixty (60) calendar days of receipt of DOTD's invoice. If Consultant fails to make payment within sixty (60) days, Consultant will be subject to disqualification as provided in the "Disqualification" article of this contract. It is understood that the firm's entire books must segregate these items separately from the firm's general indirect costs/cost rate.

The invoice shall show the total amount earned to the date of submission, the amount due and payable as of the date of the invoice (including direct expenses), and the pro-rata share of the fixed fee.

A principal member of Consultant must sign, date, and certify the invoice for correctness. Each invoice shall be submitted to the PM.

Upon receipt of each invoice, DOTD shall check the invoice for correctness and return if required; upon acceptance and approval of a standard certified correct invoice, for services satisfactorily performed, DOTD shall pay the amount shown to be due and payable within thirty (30) calendar days.

All costs must comply with the requirements of 48 C.F.R. 31.

For Cost Per Unit of Work Compensation type contracts, use the following 'Payment' section.

ARTICLE IX PAYMENT BASED ON COST PER UNIT OF WORK (April 2018)

Payments for unit costs relating to line item deliverables delivered or in progress by Consultant and/or sub-consultant, shall be made monthly on undisputed amounts based on a standard certified correct and itemized invoice showing units delivered, units in progress, line item unit cost, and amount owed. Percentage complete of the project and of any units in progress shall be shown in the monthly progress schedule. The monthly progress schedule shall: a) show in detail the status of the work, b) be subdivided into appropriate stages with estimated percentages for each stage, c) state the percentage of work completed on the total project as of the date of the invoice, d) state the projected completion date for any/all deliverable(s) as of the date of the invoice, and e) be of a form and with a division of items as approved by DOTD.

The invoice shall show the total amount earned to the date of submission, and the amount due and payable as of the date of the invoice.

A principal member of Consultant must sign, date, and certify the invoice for correctness. Each invoice shall be submitted to the PM.

Upon receipt of each invoice, DOTD shall check the invoice for correctness and return if required; upon acceptance and approval of a standard certified correct invoice, for services satisfactorily performed, DOTD shall pay the amount shown to be due and payable within thirty (30) calendar days.

All costs must comply with the requirements of 48 C.F.R. 31.

Payment for unit costs shall be based on the actual number of units delivered pursuant to this contract. Line item unit costs will be as follows:

****Place rates here or in a Rate Letter****
[insert line items].

****If in Rate Letter use this following verbiage:**

These unit costs will be the most recent such rate of which DOTD has provided written notice to Consultant through issuance of a Rate Letter by DOTD Consultant Contracts Services

For Specific Rates of Compensation (Billable Rate) type contracts, use the following 'Payment' section.

ARTICLE IX PAYMENT BASED ON SPECIFIC RATES OF COMPENSATION (April 2018)

Payments for services rendered by Consultant and/or sub-consultant, shall be made monthly on undisputed amounts based on a standard certified correct and itemized invoice subdivided for each task, as applicable. Each invoice that includes labor charges shall detail the names of the employees, the time worked, their classification, and applicable rates billed for the work that gave rise to the invoice. These shall be reimbursed at the approved specific rate of compensation for that classification, which will be the most recent such rate of which DOTD has provided written notice to Consultant through issuance of a Rate Letter by DOTD Consultant Contracts Services. **Optional: Following sentences to be added when the consultant designated personnel for "Specific Rates" contracts: All documented designated personnel for various classifications shall be paid at the rates set forth below:**

[insert designated personnel names and rates].

Failure to comply with the designated personnel requirements shall result in DOTD using Consultant's average audited salary classification rate. Each invoice must be accompanied by time sheets showing hours worked each day and a detailed description of tasks performed during those work hours.

The invoice shall be submitted monthly and be directly related to the monthly progress schedule, which shall: a) show in detail the status of the work, b) be subdivided into appropriate stages with estimated percentages for each stage, c) state the percentage of work completed on the total project as of the date of the invoice, d) state the projected completion date for any/all deliverable(s) as of the date of the invoice, and e) be of a form and with a division of items as approved by DOTD. DOTD shall not approve any invoice in which the proportional amount of the total contract compensation exceeds the percentage of project completion by more than five percent. Invoices reflecting any charges for labor must be accompanied by timesheets showing hours worked on each date referenced in the invoice.

Payments shall also be made monthly for direct expenses chargeable and identifiable to this specific contract, provided such charges are substantiated by documentation that is subject to audit. Direct expenses shall be disallowed if subsequent audits reveal that adequate supporting documentation has not been maintained. If any invoiced amounts are disallowed after payment as a result of a subsequent audit, DOTD will invoice Consultant for the amount of any overpayments and Consultant shall be required to repay such amount within sixty (60) calendar days of receipt of DOTD's invoice. If Consultant fails to make payment within sixty (60) calendar days, Consultant will be subject to disqualification as provided in the "Disqualification" article of this contract. It is understood that the firm's books must segregate these items separately from the firm's general indirect costs/cost rate.

The invoice shall show the total amount earned to the date of submission, and the amount due and payable, including the direct expenses.

A principal member of the Consultant must sign, date, and certify the invoice for correctness. Each invoice shall be submitted to the DOTD PM.

Upon receipt of each invoice, DOTD shall check the invoice for correctness and return if required; upon acceptance and approval of a standard certified correct invoice, for services satisfactorily performed, DOTD shall pay the amount shown to be due and payable within thirty (30) calendar days.

All costs must comply with the requirements of 48 C.F.R. 31.

ARTICLE X RETAINAGE (March 2018)

Retainage in the amount of five percent of invoiced amounts other than amounts to be reimbursed for direct expenses may be held, at the sole discretion of DOTD, if any of the following conditions are met:

1. failure of Consultant to submit invoices timely in accordance with this contract;
2. Consultant has received a rating of "Marginal Performance" or lower in any rating category; or

3. a provisional indirect cost rate is established for Consultant pending the submittal of a CPA audited rate, and Consultant has not yet received approval of its submitted CPA audited rates.

ARTICLE XI AUDIT (April 2018)

Annually, Consultant shall provide or cause to be provided to the DOTD Audit Section *independent* Certified Public Accountant (CPA) audited home and field indirect cost rates for itself and any sub-consultants. These audited indirect cost rates shall be developed in accordance with generally accepted accounting principles, using the cost principles and procedures set forth in 48 CFR 31 of the Federal Acquisition Regulations (FAR) and guidelines provided by the DOTD Audit Section. In addition, the selected consultant will allow the DOTD Audit Section to perform an indirect cost audit of its books, at DOTD's sole discretion, and shall require the same of any sub-consultants. The performance or non-performance of such an audit by the DOTD Audit Section shall not relieve Consultant of its responsibilities under this paragraph.

If this contract provides for separate reimbursement of indirect cost expenses, prior to the commencement of work, DOTD will submit to Consultant a form, substantially in the form of Attachment C to this contract, stating the average of the last three (3) years of audited home and field indirect cost rates for Consultant and any sub-consultants anticipated to be used for this contract. The home and field indirect cost rates, as applicable, will be the DOTD-approved audited indirect cost rates for that consultant/sub-consultant until an updated form is transmitted to Consultant by DOTD. [Attach Attachment C.]

In the event that DOTD does not have records of audited home and field indirect cost rates for Consultant or any sub-consultants, provisional rates will be used based on the lesser of the statewide average audited indirect cost rate or any company-wide audited indirect cost rate specific to that consultant/sub-consultant that has been approved by DOTD. These provisional rates will be used for that consultant/sub-consultant until such time as audited home and field indirect cost rates for that consultant/sub-consultant are received and approved by DOTD. Upon approval of such audited rates, DOTD shall provide Consultant with updated documentation reflecting the audited rates, and Consultant shall include on its next scheduled invoice any entries necessary to adjust charges for work already billed based on any differences between the provisional indirect cost rates and the actual audited indirect cost rates, as required by 23 CFR 172. In addition, DOTD and Consultant shall enter into an amendment to this contract to revise the maximum compensation set forth herein and specific rates of compensation, to the extent such are provided herein, in light of the actual audited indirect cost rates received and approved by DOTD.

In the event that a consultant/sub-consultant has audited indirect cost rates for previous fiscal years on file with DOTD and has recently submitted indirect cost rates to DOTD for subsequent fiscal years that have not been approved by the DOTD Audit Section prior to execution of this contract, Consultant may request the use of provisional indirect cost rates for that consultant/sub-consultant in preparing this contract. The provisional rates will be based on the lesser of the statewide average audited indirect cost rate, any company-wide audited indirect cost rate specific to that consultant/sub-consultant that has been approved by DOTD, or any rates offered to be used by

Consultant. These provisional rates will be used for that consultant/sub-consultant until such time as approval is received from the DOTD Audit Section for indirect cost rate proposals for that consultant/sub-consultant for all fiscal years that were pending as of the date of this contract's execution. Upon approval of such audited rates, DOTD shall provide Consultant with updated documentation reflecting the audited rates, and Consultant shall include on its next scheduled invoice any entries necessary to adjust charges for work already billed based on any differences between the provisional indirect cost rates and the actual audited indirect cost rates, as required by 23 CFR 172. In addition, DOTD and Consultant shall enter into an amendment to this contract to revise the maximum compensation set forth herein and specific rates of compensation, to the extent such are provided herein, in light of the actual audited indirect cost rates received and approved by DOTD.

Upon receipt of the required forms by Consultant, Consultant shall sign the forms for itself and its sub-consultants to signify acknowledgment of receipt and then return the forms to DOTD. If Consultant requests and is approved to add a sub-consultant after commencement of work, such a form must be prepared, submitted, received, and returned before that sub-consultant commences work on this contract.

Consultants are also required to submit labor rate information once per year, or more frequently upon request from DOTD, to the DOTD Audit Section.

If Consultant is entitled to be reimbursed for direct and/or indirect costs of Consultant and/or any sub-consultants pursuant to this contract, Consultant/sub-consultant must maintain an approved project cost system and segregate direct from indirect cost in its general ledger. Pre-award and post audits, as well as interim audits, may be required.

ARTICLE XII ADDITIONAL WORK (March 2018)

Minor revisions in the described work shall be made by Consultant without additional compensation as the work progresses. Considerations for minor revisions have been included in the compensation computations. If DOTD requires more substantial revisions or additional work which Consultant believes warrant additional compensation, Consultant shall notify DOTD in writing within thirty (30) calendar days of being instructed to perform such work. Consultant shall not commence any work for which Consultant intends to seek additional compensation unless and until written authority to proceed has been given by DOTD.

If DOTD disagrees that additional compensation is due for the required work, it shall be Consultant's responsibility to perform the work and adhere to the procedures as set forth in the Claims and Disputes provisions of this contract.

ARTICLE XIII EXTRA WORK LETTERS (March 2018)

As an aid in managing this contract, the PM may issue Extra Work Letters. Any Extra Work Letters must be issued in writing and must comply with the provisions of this contract.

An Extra Work Letter may be issued by the PM in cases when the additional compensation is small and the work does not constitute a change in scope. The cumulative value of all Extra Work Letters shall not exceed 10% of the cumulative value of all contract compensation exclusive of Extra Work Letters (original contract compensation plus all Supplemental Agreements). In all other cases wherein DOTD agrees that required work is necessary and warrants additional compensation, the parties will execute a Supplemental Agreement.

ARTICLE XIV OWNERSHIP OF DOCUMENTS (March 2018)

All data collected by Consultant and all documents, notes, drawings, tracings, and files collected or prepared in connection with this work, except Consultant's personnel and administrative files, shall become and be the property of DOTD and copies thereof shall be delivered to DOTD electronically at the conclusion of the contract term and/or sooner upon request by DOTD. DOTD shall not be restricted in any way whatsoever in its use of such material, except as specifically provided in La. R.S. 38:2317.

No public news releases, technical papers, or presentations concerning any DOTD project may be made without the prior written approval of DOTD.

ARTICLE XV DELAYS AND EXTENSIONS (March 2018)

Upon written request to DOTD, Consultant may be granted an extension of time for delays occasioned by events or circumstances beyond Consultant's control or delays caused by tardy approvals of work in progress by various official agencies involved in the project other than DOTD.

It may be cause for review of contract compensation if the accumulated approved extensions of contract time caused by tardy approvals of work in progress by various official agencies involved in the project other than DOTD equals or exceeds twelve (12) months. If the DOTD Chief Engineer agrees that additional compensation is warranted, such compensation will be provided for pursuant to a Supplemental Agreement. If Consultant believes contract delays warrant an adjustment in contract compensation, then Consultant shall notify DOTD in writing of its request within thirty (30) calendar days of being instructed to perform the work. **No compensation adjustment shall be made for work performed prior to such written request.**

If, in the opinion of the DOTD Chief Engineer, circumstances do not indicate a need for additional compensation, it shall be Consultant's responsibility to perform the work and adhere to the procedures as set forth in the Claims and Disputes provisions of this contract.

**ARTICLE XVI
PROSECUTION OF WORK (March 2018)**

Immediately upon receiving authorization to proceed with the work, Consultant shall prepare and submit to the PM a 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.

Consultant shall provide sufficient resources to ensure completion of the project in accordance with the project scope and within the contract time limit. If the completed work is behind the approved progress schedule, Consultant shall take immediate steps to restore satisfactory progress.

The progress of the work shall be determined monthly, with the submission of an invoice and progress schedule to DOTD. For any work, the project shall be considered on schedule if the percentage of the total work completed is equal to or greater than the percentage of contract time elapsed.

The overall project schedule includes the combined time allotted for all tasks within this contract, subject to any overlaps of concurrent activities. For the purposes of evaluating work progress, the elapsed time for any task begins in accordance with the original project schedule, even though work on a task may not commence on schedule. Should any task fail to commence in accordance with the original schedule because of delinquencies in a previous task, the elapsed time in the above ratio shall be measured from the time the task would have begun had the previous task been completed on schedule. Should any delays in progress be necessitated by circumstances outside of Consultant's control, it shall be the responsibility of Consultant to request an appropriate adjustment in contract time. If the ratio of percentage of work completed to percentage of time elapsed falls below 0.75, Consultant shall be subject to disqualification.

**ARTICLE XVII
DISQUALIFICATION (October 2018)**

Consultant will be subject to disqualification in the event that Consultant fails to comply with the terms of this contract with respect to:

1. prosecution of work;
2. audits, including, but not limited to, all requirements of the Audit Article of this contract;
or
3. repayment of any overpayments after receipt of an invoice from DOTD.

During the period of disqualification, Consultant shall not be considered for contracts nor shall he be considered or approved as a sub-consultant on contracts or proposals. Consultant shall be allowed to proceed with any work under any preexisting contract or written sub-consultant agreement. The period of disqualification shall continue until Consultant comes into compliance with the relevant terms of this contract.

The disqualified consultant may submit a written appeal to the DOTD Chief Engineer for review by the Disqualification Review Board (hereinafter referred to as "the DRB"). The DRB shall be composed of the DOTD Chief Engineer or his designee, the Contract Services Administrator, and the Project Development Director. The written appeal shall be submitted within seven (7) days, excluding weekends and holidays, after issuance of written notice of disqualification and may either request a meeting with the DRB or that the DRB consider a written appeal only. A meeting of the DRB shall be scheduled within ten (10) days, excluding weekends and holidays, after receipt of the appeal. After all the information has been considered, the DOTD Chief Engineer shall notify Consultant of the decision of the DRB in writing within ten (10) days, excluding weekends and holidays. The decision of the DRB shall not operate as a waiver by DOTD of any of its rights under this contract or for any damages, including, but not limited to, untimely completion.

ARTICLE XVIII PROGRESS INSPECTIONS (March 2018)

During the progress of the work, representatives of DOTD and other interested parties, when so named herein, shall have the right to examine the work and may confer with Consultant thereon. In addition, Consultant shall furnish, upon request, prints of any specific item of its work for DOTD inspection. Consultant shall confer with DOTD and such other parties, and from time to time may submit sketches illustrating significant features of the work for review and comment.

ARTICLE XIX TERMINATION OR SUSPENSION (April 2018)

This contract shall be effective during the contract time provided above; however, this contract may be terminated earlier under any or all of the following conditions:

1. by mutual agreement and consent of the parties hereto;
2. by DOTD as a consequence of the failure of Consultant to comply with the terms, progress or quality of work in a satisfactorily manner; proper allowance being made for circumstances beyond the control of Consultant;
3. by either party upon failure of the other party to fulfill its obligations as set forth in this contract;
4. by DOTD due to the departure for whatever reason of any principal member or members of Consultant's firm;
5. by satisfactory completion of all services and obligations described herein; or
6. by DOTD giving thirty (30) calendar days' notice to Consultant in writing and paying compensation due for completed work.

Upon termination of this contract, Consultant shall deliver to DOTD all plans and records of the work compiled to the date of termination. DOTD shall pay in full for all work accomplished up to the date of termination, including any retained percentage earned to date.

If for any reason, DOTD wishes to suspend this contract, it may do so by giving Consultant written notice that the contract is suspended as of the notice date. Consultant shall stop all work on the

contract until such time as Consultant may receive written notification from the PM to resume work.

Consultant shall not have the authority to suspend work on this contract.

**ARTICLE XX
CLAIMS AND DISPUTES (March 2018)**

Consultant's failure to provide the required written notification pursuant to the provisions of the Additional Work and/or the Delays and Extensions sections of this contract shall be deemed a waiver of any and all claims for additional compensation.

When Consultant has timely provided notice pursuant to the provisions of the Additional Work and/or the Delays and Extensions sections of this contract, Consultant shall submit the entire claim and supporting documentation to the DOTD Consultant Contract Services Administrator within ninety (90) calendar days of the completion of the work that forms the basis of the claim. Consultant Contract Services Administrator shall submit the claim to the DOTD Consultant Contracts Claims Team (hereinafter "the Team") for review.

Consultant shall be notified in writing of the Team's recommendation, and, if accepted by Consultant and approved by the Chief Engineer and FHWA, if applicable, Consultant shall execute a receipt and release based upon said recommendation. If the Team's recommendation is not accepted by Consultant, Consultant may file a written appeal to the Chief Engineer. Review and determination of the matter by the Chief Engineer shall constitute the final determination by DOTD. If the Chief Engineer's decision is not acceptable to Consultant, then Consultant may pursue any remedies available to it at law.

**ARTICLE XXI
INSURANCE REQUIREMENTS (March 2018)**

During the term of this contract, Consultant shall carry professional liability insurance in the amount of \$1,000,000. Consultant shall provide or cause to be provided a Certificate of Insurance to DOTD showing evidence of such professional liability insurance.

**ARTICLE XXII
INDEMNITY (April 2018)**

Consultant agrees to indemnify and save harmless DOTD, its agents, employees, and assigns, against any and all claims, demands, suits, and judgments of sums of money (including attorney's compensation and cost for defense) to any party for loss of life or injury or damage to persons or properties arising out of, resulting from, or by reason of, any act or omission by Consultant, its agents, servants, or employees while engaged upon or in connection with the services required or performed by Consultant hereunder.

**ARTICLE XXIII
ERRORS AND OMISSIONS (March 2018)**

It is understood that the preparation of Preliminary and Final Plans, specifications and estimates, and all other work required of Consultant under contract shall meet the standard requirements as to general format and content, and shall be performed to the satisfaction and approval of DOTD. DOTD's review, approval, acceptance of, or payment for the services required under this contract shall not be construed to operate as a waiver of any of DOTD's rights or of any causes of action arising out of or in connection with the performance of this contract.

Consultant shall be responsible for the professional quality and technical accuracy of all designs, drawings, specifications, and other services furnished by Consultant. If errors or omissions are discovered, Consultant shall, without additional compensation, correct or revise any deficiencies discovered. If errors or omissions are discovered prior to acceptance of deliverables and payment to Consultant, the work shall be returned for correction and payments shall be withheld until delivery of an acceptable product. If errors or omissions are discovered subsequent to acceptance of deliverables and payment to Consultant but prior to the commencement of construction of a public work based upon Consultant's deliverables, DOTD may, in its sole discretion, either demand that Consultant promptly correct the errors at no cost to DOTD or make corrections using DOTD staff, in which case Consultant shall be responsible for costs incurred by DOTD to make the corrections. If errors or omissions are discovered after the commencement of construction of a public work based upon Consultant's deliverables, the parties agree to proceed in accordance with DOTD's Errors and Omissions Policy, which is incorporated by reference herein and which is available at:

http://www.sp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Errors_Omissions/DOTD%20Errors%20Omissions%20Policy.pdf

The costs to be recovered may include, but are not limited to, costs associated with moving the letting date, issuing an addendum(a) to the plans/proposal, payroll costs for making corrections plus applicable indirect costs not to exceed the allowable indirect cost for Consultant's firm, costs to correct design errors during construction, and costs associated with the processing of any necessary Change Orders.

**ARTICLE XXIV
CLAIM FOR LIENS (March 2018)**

Consultant shall hold DOTD harmless from any and all claims for liens for labor, services, or material furnished to Consultant in connection with the performance of its obligations under this contract.

**ARTICLE XXV
COMPLIANCE WITH LAWS (April 2018)**

Consultant shall comply with all applicable federal, state and local laws and ordinances, as shall all others employed by it in carrying out the provisions of this contract. Specific reference is made

to Act No. 568 of 1980 of the State of Louisiana, an act to regulate the practice of engineering and land surveying.

The parties agree to abide by the requirements of the following as applicable: Titles VI and Title VII of the Civil Rights Act of 1964, as amended; the Equal Opportunity Act of 1972, as amended; Federal Executive Order 11246, as amended; the Rehabilitation Act of 1973, as amended; the Vietnam Era Veterans' Readjustment Assistance Act of 1974; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975; the Americans with Disabilities Act of 1990, as amended, and Title II of the Genetic Information Nondiscrimination Act of 2008.

The parties agree not to discriminate in employment practices, and shall render services under the contract without regard to race, color, age, religion, sex, national origin, veteran status, genetic information, political affiliation, disability, or age in any matter relating to employment.

Any act of discrimination committed by either party, or failure to comply with these statutory obligations, when applicable, shall be grounds for termination of this contract.

ARTICLE XXVI
ANTI-SOLICITATION AND ANTI-LOBBYING COVENANTS (March 2018)

Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this contract. Consultant further warrants that it has executed a certification and disclosure form as required under 49 CFR 20, and that all information on the form is true and correct. For breach or violation of these warranties, DOTD shall have the right to annul this contract without liability, or, in its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of any fee, commission, percentage, brokerage fee, gift, or contingent fee paid in violation of the warranties made in this Article.

No legislator or person who has been certified by the Secretary of the State as elected to the legislature or member of any board or commission, members of their families or legal entities in which the legislator, person or board or commission member has an interest, may derive any benefit from this contract or share in any part of the contract in violation of the Louisiana Code of Governmental Ethics (La. R.S. 42:1101 *et seq.*).

ARTICLE XXVII
CODE OF GOVERNMENTAL ETHICS (March 2018)

Consultant acknowledges that Chapter 15 of Title 42 of the Louisiana Revised Statutes (La. R.S. 42:1101 *et seq.*, Code of Governmental Ethics) applies to Consultant in the performance of services called for in this contract. Consultant agrees to immediately notify the State if potential violations of the Code of Governmental Ethics arise at any time during the term of this contract.

**ARTICLE XXVIII
DISADVANTAGED, MINORITY, AND WOMEN-OWNED
BUSINESS ENTERPRISE REQUIREMENTS (June 2018)**

If a DBE Goal is required, use this paragraph, % may change; Check Advertisement for DBE Goal.

This contract shall have a Disadvantaged Business Enterprise (DBE) goal of **XX%** of the contract fee. 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. Credit will only be given for use of DBEs that are certified by the Louisiana Unified Certification Program. Consultant shall submit with each invoice presented to DOTD for payment a completed DBE Form 1, "DBE Participation Monthly Report" (Attachment D). This Form must be completed and submitted by Consultant regardless of whether the invoice includes effort by the DBE during the period covered by that invoice. In the event of no effort by a DBE during the period covered by the invoice, Consultant shall simply indicate that on the form. The PM shall review submitted invoices and their corresponding DBE Form 1 to determine if the DBE goals are being achieved. If Consultant has failed to meet the goal and no good faith efforts have been made, the PM shall notify the Compliance Section of DOTD, and at that time the DBE portion of the contract fee may be withheld from Consultant.

These paragraphs remain in all contracts:

If a Disadvantaged Business Enterprise (DBE) goal has been assigned, Consultant agrees to ensure that DBEs, as defined in 49 CFR 26, have a reasonable opportunity to participate in the performance of this contract, and in any subcontracts related to this contract. In this regard, Consultant shall take all necessary and reasonable steps in accordance with 49 CFR 26 to ensure that DBEs have a reasonable opportunity to compete for and perform services relating to this contract. Furthermore, Consultant shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. Consultant shall carry out applicable requirements of 49 CFR part 26 in the performance, award, and administration of this contract and any related subcontracts.

If a DBE sub-consultant performs services in connection with this contract, Consultant shall provide to DOTD a copy of the contract between Consultant and the DBE sub-consultant. Consultant shall also pay the DBE sub-consultant in full for services satisfactorily performed, and such payment shall be made within thirty (30) calendar days of receipt of payment from DOTD for those services. In the event that a DBE goal has been assigned to this contract and retainage is held on Consultant, DOTD will release such retainage for each stage upon satisfactory completion of each stage, and Consultant shall make payment to the DBE sub-consultant of any retained amounts within thirty (30) calendar days of release of associated retainage from DOTD.

Regardless of whether a DBE goal has been assigned to this contract, Consultant shall submit to the PM a completed DBE Form 1, "DBE Participation Monthly Report" (Attachment D) with each monthly invoice when the invoice includes effort by a DBE sub-consultant and a completed DBE Form 2, "DBE Participation Final Report" (Attachment E), with the final invoice.

Further, regardless of whether or not a DBE goal has been assigned to this contract, Consultant shall comply with all requirements of 2 CFR 200.321 regarding minority- and women-owned business enterprises.

Failure to carry out the above requirements shall constitute a breach of this contract. After proper notification by DOTD, immediate remedial action shall be taken by Consultant as deemed appropriate by DOTD or the contract may be terminated. The option shall rest with DOTD.

The above requirements shall be physically included in all subcontracts entered into by Consultant.

**ARTICLE XXIX
SUBLETTING, ASSIGNMENT, OR TRANSFER (March 2018)**

This contract shall be binding upon the successors and assignees of the respective parties hereto. This contract, or any portion thereof, shall not be transferred, assigned, or sublet without the prior written consent of DOTD.

**ARTICLE XXX
RECORDS RETENTION (March 2018)**

Consultant and its sub-consultants shall maintain all books, documents, papers, accounting records and other evidence pertaining to cost incurred relative to this contract. Costs shall be in accordance with 48 CFR 31 of the FAR, as modified by the DOTD audit guidelines, and which are incorporated herein by reference as if copied *in extenso*. The FAR is available for inspection through www.transportation.org. Records shall be retained until such time as an audit is made by DOTD or Consultant is released in writing by the DOTD Audit Director, at which time Consultant may dispose of such records. Consultant shall, however, retain such records for a minimum of five years from the date of payment of the last estimate under this contract or the release of all retainage for this contract, whichever occurs later, for inspection by the DOTD and/or Louisiana Legislative Auditor, the FHWA, or Government Accountability Office under state and federal regulations effective as of the date of this contract.

**ARTICLE XXXI
ENDORSEMENT OF PLANS (March 2018)**

Consultant's Professional Engineer/Surveyor registrant of the State of Louisiana, who is responsible for the project shall sign (using his registered name) and date seal all project documentation. Any plans or reports shall be sealed and/or signed, in accordance with La. R.S. 37:681 through 37:703 and Title 46:Part LXI of the Louisiana Administrative Code relating to Professional Engineering and Professional Surveying requirements. Consultant shall perform all

required tasks associated with this contract in full compliance with all applicable laws, regulations, and DOTD policies.

ARTICLE XXXII
SEVERABILITY (March 2018)

If any term, covenant, condition, or provision of this contract or the application thereof to any person or circumstance shall, at any time or to any extent, be invalid or unenforceable, the remainder of this contract or the application of such term, covenant, condition or provision to persons or circumstances other than those as to which is held invalid or unenforceable, shall not be affected thereby, and each term, covenant, condition, and provision of this contract shall be valid and enforced to the fullest extent permitted by law.

SAMPLE

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their respective officers thereunto duly authorized as of the day and year first above written.

WITNESSES:

*****Consulting Firm, Inc.**

Witness for First Party

BY: _____

Witness for First Party

Typed or Printed Name

TITLE: _____

Federal Taxpayer Identification Number

DUNS Number/CAGE Code (if applicable)

CFDA Number (if applicable)

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION
AND DEVELOPMENT

Witness for Second Party

BY: _____

Secretary

Witness for Second Party

RECOMMENDED FOR APPROVAL BY:

Division Head