IDIQ CONTRACTS FOR ELECTRICAL SERVICES

STATEWIDE, LA

CONTRACT NOS. 4400026073 and 4400026074

Prepared for
LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT

Prepared by
STANTEC CONSULTING SERVICES INC.

MAY 25, 2023

I-10/Loyola Interchange Design-Build

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING IN-ACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1.	Contract title as shown in the advertisement.	**IDIQ Contracts for Electrical Services**
2.	Contract number(s) as shown in the advertisement	Nos. 4400026073 and 4400026074
3.	State Project Number(s), if shown in the advertisement	N/A
4.	Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Stantec Consulting Services Inc.
5.	Prime consultant license number (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	EF.0003506
6.	Prime consultant mailing address	1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	**Mike Bruce, PE, Senior Principal** (225) 765-7400 | mike.bruce@stantec.com
9.	Name title, phone number, and email address of the official with signing authority for this proposal	**Mike Bruce, PE, Senior Principal** (225) 765-7400 | mike.bruce@stantec.com

10.	This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	**Signature (shall be the same person as #9):**  Signature above shall be the same person listed in Section 9: Date: May 25, 2023
11.	If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	**Firms(s)** — **Firm(s)'%:** **GOTECH, Inc.** — **7%** **Vectura, LLC** — **4.7%**

12. **Past Performance Evaluation Discipline Table:**

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

Past Performance Evaluation Disciplines	% of Overall Contract	Stantec Consulting Services Inc. (Prime)	GOTECH, Inc. (DBE)	Vectura, LLC (DBE)	Each Discipline must total to 100%
Other (Lighting)★	73%	99%	0%	1%	100%
CE&I/OV ★★	20%	80%	0%	20%	100%
Survey	7%	0%	100%	0%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	88.3%	7%	4.7%	100%

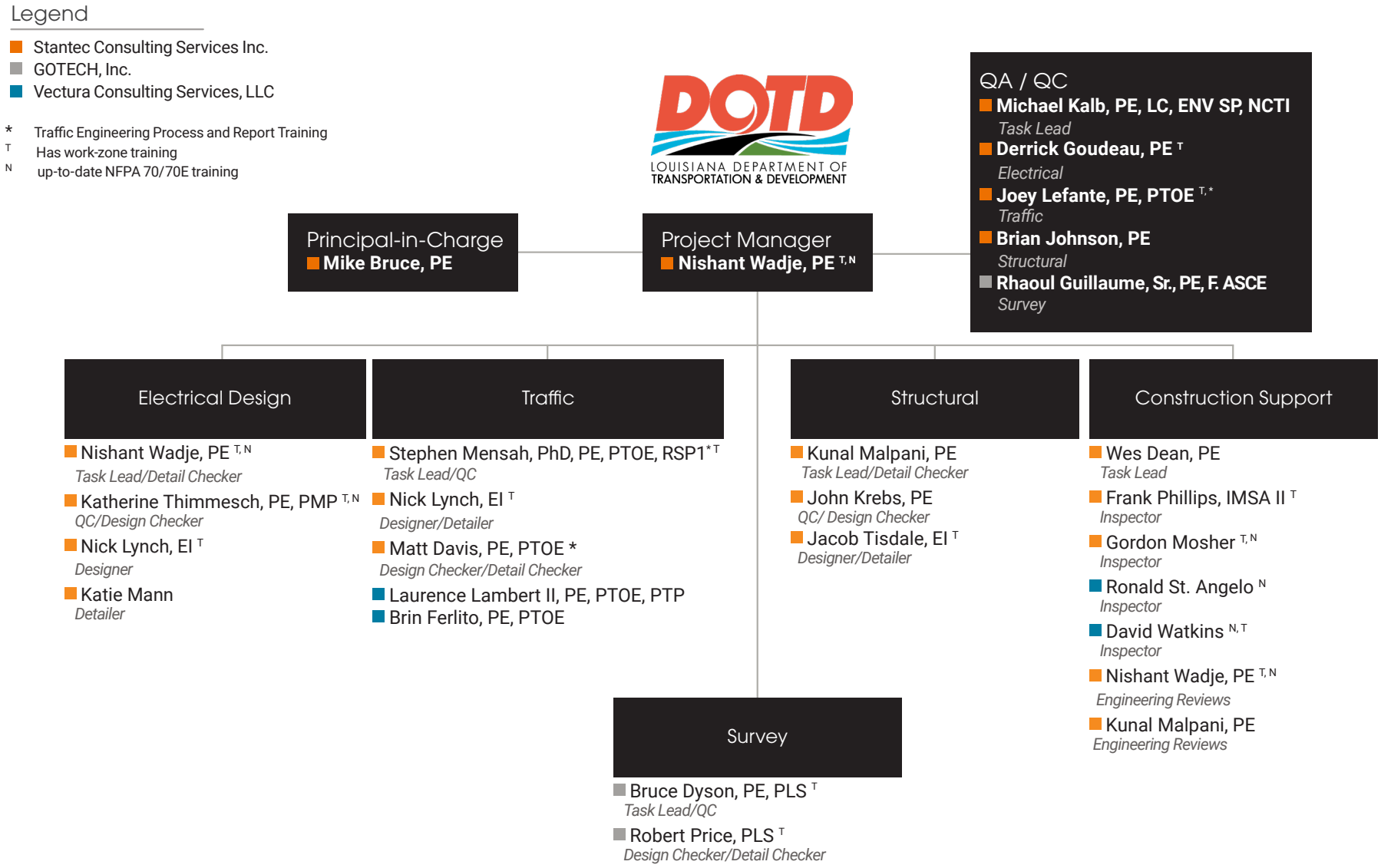
★ *Includes Preliminary and Final Plans, Transportation Management Plants (TMP), Construction Cost Estimates, Photometric Reports, Technical Special Provisions, and QA/QC per BDEM. Traffic effort for TMP is anticipated to be less than 1% of total contract and is included under Other (Lighting).*

★★ *Includes Construction Related Engineering Services such as Review of Contractor submittals (Equipment, Q&M manuals, As-builts), Responding to RFIs, and performing Field Inspections.*

13. **Firm Size:**
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Stantec Consulting Services Inc.	Principal	1	3
Stantec Consulting Services Inc.	Supervisor - Eng	1	2
Stantec Consulting Services Inc.	Engineer	9	20
Stantec Consulting Services Inc.	Engineer Intern	5	5
Stantec Consulting Services Inc.	Senior Technician	2	4
Stantec Consulting Services Inc.	CADD Technician	1	3
Stantec Consulting Services Inc.	Administrative	1	2
Stantec Consulting Services Inc.	Planner	0	2
GOTECH, Inc.	Principal	1	1
GOTECH, Inc.	Engineer	2	6
GOTECH, Inc.	Engineer Intern	1	1
GOTECH, Inc.	Surveyor	1	2
GOTECH, Inc.	Party Chief	2	3
Vectura Consulting Services, LLC	Supervisor	2	2
Vectura Consulting Services, LLC	Engineer	2	4
Vectura Consulting Services, LLC	Engineer Intern	0	1
Vectura Consulting Services, LLC	Inspector	2	2

14. **Organizational Chart:**
Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20. It is acceptable to use an 11x17 format for Section 14.



15. **Minimum Personnel Requirements:**
Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No.	Personnel being used to meet the MPR *(Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement)*	Firm employed by	Type of license and discipline meeting MPR/ certification & number (EX: PE # - Civil)	State of license	License / certification expiration date
1.	Mike Bruce, PE	Stantec	PE #20397 - Civil	LA	9/30/2024
2.	Michael Kalb, PE	Stantec	PE #38916 - Electrical/ Computer	LA	9/30/2024
3.	Michael Kalb, PE	Stantec	PE #38916 - Electrical/ Computer	LA	9/30/2024
4.	a. Katherine Thimmesch, PE	Stantec	PE #41462 - Electrical	LA	9/30/2023
	b. Nishant Wadje, PE	Stantec	PE #45837 - Electrical	LA	3/31/2024
5.	Derrick Goudeau, PE (electrical)	Stantec	PE #33288 - Electrical	LA	9/30/2023
	Brian Johnson, PE (structural)	Stantec	PE #31273 - Civil	LA	9/30/2024
6.	Kunal Malpani, PE	Stantec	PE #43016 - Civil	LA	3/31/2025
	John Krebs, PE	Stantec	PE # 37259- Civil	LA	9/30/2024
7.	Gordon Mosher	Stantec	NEC and NFPA 70E	N/A	N/A
	Ronald St. Angelo	VECTURA	NEC and NFPA 70E	N/A	N/A
	David Watkins	VECTURA	NEC and NFPA 70E	N/A	N/A
8.	Bruce Dyson, PE, PLS	GOTECH, INC. Consulting Engineers	PLS #4670	LA	3/31/2024
	Robert Price, PLS	GOTECH, INC. Consulting Engineers	PLS #4889	LA	3/31/2024

16. **Staff Experience:**

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Mike Bruce**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**38**
TITLE	**Senior Principal**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**7**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1978 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 20397 | LA | 09/30/2024**			
YEAR REGISTERED	**1983**	DISCIPLINE	**Civil Engineering**	
Contract role(s) / brief description of responsibilities	Mike will provide oversight and make resources available to the Project Manager to support successful delivery of projects. Mike will serve as an **PRINCIPAL-IN-CHARGE** for this contract. **Mike meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 1**			MEETS MINIMUM LADOTD PERSONNEL REQ.
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/03 - Ongoing	**ITS DESIGN RETAINERS | LADOTD | Statewide, LA** Principal-In-Charge. Oversaw all ITS efforts related to five separate ITS Design Retainers including State Projects #700-99-0304 in 2003, #700-99-0411 in 2007, #4400000679 in 2010, 4400010670 in 2017, and 4400020058 in 2021.			
07/15 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD Contract No. H.004273.5 | Lafayette, LA** Traffic Manager. Responsible for overseeing all tasks being performed by the project traffic team. The project includes a ITS Systems Engineering Analysis of the corridor, traffic analysis, and documentation of the corridor, which includes VISSIM modeling and analysis of the corridor according to LADOTD microsimulation standards.			
01/07 - Ongoing	**BATON ROUGE LOOP IMPLEMENTATION PLAN AND TIER 1 EIS | LADOTD Contract No. 700-17-0212 | Baton Rouge, LA** Principal-In-Charge. Oversees Stantec's responsibilities for this ongoing effort. The project began with developing an Implementation Plan for the Capital Area Expressway Authority. This first phase was a one-year contract to determine possible corridors, impacts and a financial package for the construction of a loop through 5 parishes, including two crossings of the Mississippi River. Serves as Principal-In-Charge for engineering components including corridor selection, traffic improvement benefits, design criteria, typical sections, cost estimates and potential right-of-way required. This project involves extensive coordination with affected agencies including the 5 parishes, DOTD, FHWA, Coast Guard and US Army Corps of Engineers, as well as, public outreach and public participations.			
08/03 - 06/05	**AIRLINE HIGHWAY AT SIEGEN / SHERWOOD, DESIGN OF CFI IMPROVEMENTS | Baton Rouge, LA** Principal-in-Charge. Mike served as Principal-in-Charge for this innovative traffic engineering concept in Baton Rouge that would ultimately reduce congestion at the intersection of Airline and Siegen.			
04/01 - 04/02	**LA 1 CONNECTOR | LADOTD | West Baton Rouge, LA** Principal-in-Charge. Mike served as Principal-in-Charge for the Initial Corridor Study and Phase II Corridor Study used to identify a potential initial corridor that considers evacuation needs, economic impacts, and preliminary project costs.			
01/92 - 08/02	**JONES BAYOU - HOOPER ROAD, LOUISIANA ROUTE 946 (JOOR ROAD) | Baton Rouge, LA** Principal-in-Charge. Mike served as Principal-in-Charge for this project. He oversaw the 3.1-mile realignment and widening of an existing two-lane highway to a five-lane highway that included two bridge replacements and a major intersection.			

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Nishant Wadje, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**3**
TITLE	**Electrical Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**5**
DEGREE(S) / YEARS / SPECIALIZATION	**MS | 2016 | Electrical Engineering; BS | 2012 | Electrical Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 45837 | LA | 3/31/2024**			
YEAR REGISTERED	**2021**	DISCIPLINE	**Electrical and Computer Engineering**	

Contract role(s) / brief description of responsibilities	Nishant will serve as **PROJECT MANAGER**, **ELECTRICAL DESIGN TASK LEAD/DETAIL CHECKER** and **CONSTRUCTION SUPPORT - ENGINEERING REVIEWS** for this contract. He will utilize his prior experience performing LADOTD Lighting and Electrical projects to comply with DOTD plan presentation and design standards for each deliverable submitted under this contract. Nishant will also provide engineering support during construction for any task orders issued under Stage 5 services of this IDIQ scope. His involvement will ensure that the plans and specifications are accurately constructed per the design documents approved by DOTD. He has completed NFPA 2023 training. **Nishant meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4(b)** 
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
08/21 - Ongoing	**I-10 @ LA 26 JENNINGS INTERCHANGE LIGHTING | LADOTD Contract No. H.014286.5 | Jennings, LA** Engineer of Record, Project Manager. Nishant is leading the development of the lighting design, plans, calculations and specifications for this project. The lighting design includes removal of existing HPS lighting and design of new LED lighting system including extensive coordination with FAA, photometric design, and luminaire selection to accommodate strict FAA restrictions.
02/22 - Ongoing	**I-10 @ LA 97 INTERCHANGE LIGHTING | LADOTD Contract No. H.014272.5 | Jennings, LA** Engineer of Record, Project Manager. Nishant is leading the development of the lighting design, plans, calculations and specifications for this project. The lighting design includes removal of existing HPS lighting and design of new LED lighting system.
08/22 - Ongoing	**I-10 @ LA 99 WELSH INTERCHANGE LIGHTING | LADOTD Contract No. H.14287.5 | Welsh, LA** Engineer of Record, Project Manager. Nishant is the leading the development of lighting design, plans, calculations and specifications for this project. The lighting design includes removal of existing HPS lighting and design of new LED lighting system including extensive coordination with FAA, photometric design, and luminaire selection to accommodate strict FAA restrictions.
04/23 - Ongoing	**I-12 TO BUSH LA 3241 (I-12 - LA 36) LIGHTING | LADOTD Contract No. H.004957 | Lacombe, LA** Engineer of Record, Project Manager. Nishant is leading the development of the lighting design for the updated I-12/LA-434 Interchange geometry, including a new roundabout on north end of the interchange. The lighting design also includes photometric analysis of existing to remain lighting system and recommendations for improvements.
10/19 - 12/22	**LA 30: SOUTH BLVD. TO WEST CHIMES STREET | LADOTD | Baton Rouge, LA** Electrical Engineer. Nishant designed the roadway lighting and performed electrical/illumination calculations under the supervision of engineer of record. The lighting scope in the project included replacing the existing interstate lighting controller at the I-10 Nicholson/Highland exit ramp to meet current standards and modifying the interstate lighting circuit to cover extended ramp geometry. The scope of work also included Highland road, Oklahoma Street, and the four signalized intersections as part of the lighting design. Nishant is currently working on construction related engineering services for this project under a different contract.

08/19 - Ongoing	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Electrical Engineer. Nishant is responsible for the proposed lighting design under the supervision of the signing engineer. Nishant is responsible for the photometric analysis, lighting control, power distribution design and Arc Flash Analysis of the proposed lighting system. He prepared navigation lighting design, plans and specifications for the interstate lighting standards within the Loyola - I-10 interchange. Design includes interstate lighting in all areas with ground mount light poles and foundations as well as also structure mount poles on bridge ramps and in median barriers. Lighting design was especially challenging due to the layout of the interchange (3 different roadway elevations) and the intersection with airport property (lighting requirements and preferences are extremely different between airport and LADOTD). The Roadway lighting portion is in construction and Nishant is providing construction support services.
03/20 - 12/22	**NELSON ROAD EXTENSION BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Electrical Engineer. Nishant designed the roadway lighting and performed electrical/illumination calculations under the supervision of engineer of record. Nishant also designed bridge mounted navigation lighting for the navigable channel per USCG guidelines and pier protection system with additional solar powered lighting to prevent a drifting vessel from impacting the bridge. Nishant will be responsible for construction support tasks on this project (under separate contract).
01/20 - 03/21	**STATE HIGHWAY 288 TOLL LANES PROJECT | TxDOT | Houston, TX** Electrical Engineer. Nishant assisted the Engineer of Record (Illumination) for construction support. This P3 project will implement improved functionality over 10.3 miles along SH 288, from US 59 to the Harris/Brazoria County line at Clear Creek, by constructing new toll lanes, installing toll infrastructure, and establishing toll operations and maintenance. The lighting system consisted of conventional light standards as well as high mast towers up to 175 feet. The project also included two pedestrian bridges with decorative lighting to provide safe crossings for the residential communities on each side of this 400ft wide corridor.
05/18 - 08/19	**I-10 AT CROWDER BLVD. LIGHTING | LADOTD Contract No.H.013442 | New Orleans, LA** Engineering Intern. Nishant was responsible for the design work and construction support on this project under the supervision of the signing Engineer. Project limits included the I-10 / Crowder Blvd. Interchange. Project design included the following types of roadway lighting standards: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. Nishant worked on photometric analysis, lighting control, power distribution design and carried out pre-construction Arc Flash Analysis of the lighting system.
01/17 - 08/19	**MORRISON ROAD INTERSTATE LIGHTING | LADOTD Contract No. H.012602 | New Orleans, LA** Engineering Intern. Nishant was responsible for the design work and construction support on this project under the supervision of the signing Engineer. Project limits included the I-10 / Morrison Road Interchange. Project design included the following types of roadway lighting standards: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. Nishant worked on photometric analysis, lighting control, power distribution design and carried out Arc Flash Analysis of the lighting system.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Michael Kalb, PE, LC, ENV SP, NCTI**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	**19**	
TITLE	**Principal/Senior Electrical Engineer**	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	**1**	
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2002 | Electrical Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 38916 | LA | 9/30/2024**			
YEAR REGISTERED	**2014**	DISCIPLINE	**Electrical and Computer Engineering**	

Contract role(s) / brief description of responsibilities	With his extensive experience in Electrical Plan Design and Quality Control / Quality Assurance, Michael will lead the Peer Review Team in performing QA/QC in accordance with the DOTD Accepted QC/QA Plan on all engineering documents delivered under this IDIQ. Michael will serve as **QA/QC - TASK LEAD** for this contract**. Michael meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 2 & 3**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/19 - 06/23	**I-10: US 61 TO LAPLACE ITS DEPLOYMENT | LADOTD | LA** Technical Advisor. Michael was responsible for overseeing the design and construction administration of a solar PV and battery storage system integrated into 4 remote CCTV sites for the LADOTD. Project included a custom designed non-proprietary PV canopy and array design with a DC-DC coupled battery charging system. The systems and components were designed with bullet resistant enclosures given their remote location.
10/13 - 12/18	**REPLACEMENT OF 5KV FEEDERS, JFK AIRPORT | Queens, NY** Project Manager/Electrical Engineer. Michael served as the Project Manager and the Senior Electrical Engineer in responsible charge of the Stage III and IV electrical design of this FAA feeder replacement project. This project replaced the majority of the medium-voltage manholes and the ductbank distribution that was feeding the FAA equipment for Runway 4L/22R and 4R/22L. This project also separated the feeders for the runways, and provided a dedicated back-up feeder for each runway. This assignment included significant coordination with the adjacent runway rehabilitation project, the PANY&NJ's facilities personnel and the FAA's personnel.
04/13 - 09/14	**JIMMIE DAVIS BRIDGE | Shreveport, LA** Electrical Engineer. Michael was responsible for the Quality Assurance for lighting design and electrical distribution for this DOTD bridge over the Red River.
12/12 - 12/16	**OHIO RIVER BRIDGE DOWNTOWN CROSSING | Louisville, KY** Lead Electrical Engineer. Michael was responsible for highway and underdeck pedestrian lighting for this interchange reconstruction project in downtown Louisville, Kentucky. The project included over 400 HID roadway luminaires and almost 300 LED underdeck luminaires. It was completed as a design-build project with Walsh Construction
03/13 - 05/14	**ITS DEPLOYMENT FOR I-75 EXPRESS LANES SEGMENTS A, B, D, AND E | Miami-Dade and Broward Counties, FL** Lead Electrical Engineer. Michael was the Lead Electrical Engineer in responsible charge of preliminary design of the electrical and communications distribution for the Scoping Phase for Segments A, B, D, and E of this Design/Build project. The electrical distribution consisted of 600V distribution with step down transformers to 120/240V at each ITS device location. Each service point was designed with a propane emergency power generator.
04/03 - Ongoing	**ROUTE 46/ROUTE 3/VALLEY ROAD/NOTCH ROAD INTERCHANGES | Township of Little Falls, Borough of Woodland Park and the City of Clifton, Passaic County, NJ** Lead Electrical Engineer. Michael was in responsible charge of plans and specifications for this design project to reconfigure new bridges and ramps, and a new two-way service road will be constructed adjacent to Route 46 WB. The project is the first major NJDOT project to incorporate LED lighting technology. The design included a new fiber optic distribution system for ITS upgrades, with infrastructure for the installation of a CCTV camera, Dynamic Message Sign (DMS), and Time Travel System (TTS) in a subsequent project.
02/07 - 11/19	**GARDEN STATE PARKWAY INTERCHANGE 125 PHASE I AND FINAL DESIGN | Sayreville, NJ** Lead Electrical Engineer in responsible charge of the concept development and final design of this major interchange improvement project. The project was the first New Jersey Turnpike Authority project to consider the use of LED technology for highway lighting. It also includes four short tunnels with daytime tunnel lighting. The project included several pieces of ITS infrastructure including CCTV cameras, Variable Message Signs (VMS), and Lane Control Arrows.
04/03 - 09/09	**ROUTE 46, ROUTE 23 AND I-80 INTERCHANGE | Wayne Township, NJ** Electrical Engineer. Michael was in responsible charge of design for a new embedded LED lane demarcation lighting system, which was a part of an NJDOT test program.

MEETS MINIMUM LADOTD PERSONNEL REQ.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Derrick Goudeau, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	**5**	
TITLE	**Senior ITS/Electrical Engineer**	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	**15**	
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2003 | Electrical Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 33288 | LA | 9/30/2023**			
YEAR REGISTERED	**2007**	DISCIPLINE	**Electrical and Computer Engineering**	

Contract role(s) / brief description of responsibilities	Derrick will perform quality review of lighting/electrical deliverables, utilizing twenty years of experience designing LADOTD Lighting and Electrical projects. He will verify Stantec's compliance throughout all task orders with the DOTD Accepted QC/QA Plan. He has completed training courses in 2020 NEC (NFPA 70) and 2018 NFPA 70E. Derrick will perform **QA/QC - ELECTRICAL** for this contract. **Derrick meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 5** 
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/21 - Ongoing	**ELECTRICAL SERVICES IDIQ | LADOTD Contract No. 44-20064 | Statewide, LA** Quality Assurance Reviewer. Derrick provided QA review of all deliverables for 3 interstate lighting projects under this IDIQ contract. H.014286 I-10 @ LA 26 - 98% Final Plans; H.04272 I-10@ LA 97 - 95% Final Plans, H.014287 I-10 @ LA 99 - 60%B Final Plans.
08/19 - Ongoing	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Engineer of Record. Derrick is the engineer of record for the lighting design, plans and specifications for the Loyola - I-10 interchange. The design-build project includes new flyover ramps and conversion to Diverging Diamond Interchange to handle additional traffic volumes and provide direct connectors to the new terminal building at Louis Armstrong New Orleans International Airport. The design features nearly 150 low mast light standards with LED luminaires and includes both ground and structure mounted attachment.
10/19 - 12/22	**NELSON ROAD EXTENSION BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Engineer of Record. Derrick is the lead engineer in responsible charge of navigation lighting design, plans and specifications for solar, navigational lights on the Nelson Road Extension Bridge. The design required coordination with the coast guard to obtain approval on proposed navigation light system for the new bridge
05/16 - 03/21	**STATE HIGHWAY 288 TOLL LANES PROJECT | TxDOT | Houston, TX** Engineer of Record (Illumination). Derrick provided technical support during construction. This P3 project will implement improved functionality over 10.3 miles along SH 288. Derrick performed photometric analysis for the 10 mile corridor and prepared plans for upgrading all of the existing high pressure sodium lighting to LED luminaires as part of a plan change during construction. The lighting system consisted of conventional light standards as well as high mast towers up to 175 feet.
03/13 - 05/15	**I-210 COVE LANE INTERCHANGE | LADOTD Contract No. H.010151 | Lake Charles, LA** Engineer of Record for Lighting/Electrical. Derrick was the Engineer of Record for the lighting/electrical portion of the project (incorporated via plan change) and provided CE&I services through construction. Project limits are from the East foot of the I-210 Lake Prien Bridge through the I-210/Cove Lane Interchange (approximately 1 mile of I-210). Project required frequent field inspection for changing site conditions, coordination with LADOTD Project Engineer and Contractor, and design adjustments for compatibility with Contractor's sequence of construction.
01/13 - 02/18	**I-12 AT US-11 INTERCHANGE LIGHTING | LADOTD Contract No. H.000687 | Slidell, LA** Quality Assurance / CE&I. Derrick performed Quality Assurance review for this project, assisted with technical review and provided CE&I services through construction. Project limits include the I-12 / US-11 Interchange. Project makeup consists of the following types of roadway lighting standards: 47 ground mount low mast, 3 ground mount high mast, and 8 underpass.

02/18 - 08/19	**LA 3064 TO LA 1248 PHASE I AND II DIJON DRIVE EXTENSION | LADOTD Contract No. H.012233, H.012232 | New Orleans, LA** Quality Assurance. Derrick provided Quality Assurance review of Roadway Lighting system plans, photometrics, and electrical calculations for the extension of Dijon Drive from LA 3064 (Essen Lane) to LA 1248 (Bluebonnet). Projects included 88 lights (total).
03/15 - 02/18	**LA 434 INTERCHANGE LIGHTING (LACOMBE) | LADOTD Contract No. H.003451 | Slidell, LA** Quality Assurance. Derrick performed Quality Assurance review for this project and assisted with technical design. Project limits include the I-12 / LA 434 Interchange. Project makeup consisted of the following types of roadway lighting standards: 72 ground mount low mast and 4 underpass. The design firm provided design services and construction services under two Task Orders. In addition, lighting control and power distribution and system protection is included.
07/10 - 10/13	**LAKE PONTCHARTRAIN AND VICINITY HURRICANE PROTECTION PROJECT LPV 17.2 - BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE | USACE | Jefferson Parish, LA** Quality Assurance / CE&I. Derrick was the Engineer of Record for this project and provided CE&I services through construction. The project included 1800 feet of new northbound and southbound elevated bridge structures from 6th street to the foot of the existing bridge with 40 foot high structure mounted light fixtures. The design also includes relocation of the 25kV electrical distribution equipment and the fiber optic communication system to a new vault building located on the protected side of the levee and routing new 25kV power cable and 144 strand fiber optic cable to tie-in to the existing cable across on the 24 mile bridge.
03/13 - 02/18	**I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING | LADOTD Contract No. H.010440 | Lake Charles, LA** Engineer of Record. Derrick was the Engineer of Record and provided CE&I services throughout construction. Project limits are from the I-10/I-210 Interchange to the I-210/Cove Lane Interchange (approximately 4.5 miles of I-210). Project makeup consists of the following types of roadway lighting standards: 44 ground mount low mast, 54 structure mount low mast (bridge), 7 barrier mount low mast, 10 ground mount high mast, and 4 underpass. Derrick was the Engineer of Record for this project and provided CE&I services through construction.
02/02 - 03/03	**ESSEN LANE / I-12 INTERCHANGE | LADOTD Contract No. H.454-01-0051 | Baton Rouge, LA** Engineer Intern. Derrick assisted with photometric analysis and electrical calculations for interstate lighting on this new ramp at the I-12/Essen Lane Interchange. Derrick also assisted with CE&I through construction.
03/11 -12/12	**HOUMA TUNNEL LIGHTING | LADOTD Contract No. H.001496 | Houma, LA** Engineer of Record. Derrick was the Engineer of Record for this project and provided CE&I services through construction. Project limits are from the east and west approaches for the tunnel under the Intracoastal Waterway (approximately 0.5 miles along LA-3040). Project Makeup consists of replacing existing lighting system with IP66 rated tunnel lighting in accordance with IESNA/ANSI RP-22 as well as lowmast roadway lighting on the approaches in accordance with IESNA/ANSI RP-8.
02/05 - 08/07	**GREATER NEW ORLEANS EXPRESSWAY COMMISSION, MERGE LANES| Mandeville, LA** Electrical Engineer / CE&I. Derrick was responsible for photometric analysis and electrical calculations for this project and provided CE&I services through construction. The project included new ground and bridge mounted roadway lighting to transition from the four lanes of the North Toll Plaza to the two lane Lake Pontchartrain Causeway Bridge. The project widened the existing bridge to extend the merge area approximately 1000 feet onto the bridge.
01/14 - 02/18	**US-61 ROADWAY LIGHTING, DAVID TO TRANSCONTINENTAL | Jefferson Parish | Jefferson Parish, LA** Engineer of Record. Project limits are from the US-61 and David interchange through the US-61 and Transcontinental interchange. Project makeup consists of 81 ground mounted low mast roadway lights (LED). The design required coordination with concurrent lighting design by other consultants on adjacent sections of this corridor. Derrick was the Engineer of Record for this project.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Joey Lefante, PE, PTOE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**14**
TITLE	**Senior Associate, Traffic and ITS Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2008 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 37244 | LA | 09/30/2024**			
YEAR REGISTERED	**2012**	DISCIPLINE	**Civil Engineering | PTOE #3560, 2013**	
Contract role(s) / brief description of responsibilities	Joey will perform Quality Assurance reviews for all traffic engineering deliverables produced under this contract. He will perform this task in accordance with the DOTD Accepted QC/QA Plan and his previous experience in this role on similar projects. Joey will perform **QA/QC - TRAFFIC** for this contract.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
08/19 - Ongoing	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Traffic Analysis Lead. Joey performed Quality Assurance and VISSIM analyses of an ATC consisting of two new flyover ramps leading to/from the Airport and the first DDI in Louisiana. Joey completed an IMR to meet FHWA access policy standards to move the project forward on the accelerated design-build schedule. Joey is also leading DDI signal design and complete street accommodations such as sidewalks and a two-way cycle track. The design includes interstate lighting in all areas with ground mount light poles and foundations as well as also structure mount poles on bridge ramps and in median barriers.
04/11 - 06/15	**I-210 COVE LANE INTERCHANGE | LADOTD Contract No. H.010151 | Lake Charles, LA** Traffic Engineer. Joey developed an Interchange Justification Report (IJR) for I-210 between Cove Lane and Nelson Road interchanges on Port of Lake Charles property. He developed peak hour traffic volumes for 28 possible design alternatives, which took into account and accommodated for all future developments in the area, including the Nelson Road Bridge over Contraband Bayou and the Ameristar Casino and Hotel development. Joey coordinated collection of traffic counts and performed field calibration of the traffic models. Joey performed HCS and SIDRA analyses on over 50 locations per alternative.
11/10 - 05/19	**NELSON ROAD EXTENSION BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Traffic Engineer. Joey performed quality assurance. He ran traffic analyses for the different bridge tie-ins being studied. Also included in the traffic analysis was a consideration of the impact of the bridge on the surrounding roadway network. The Regional Travel Demand Model was modified in TransCAD to determine the effects of the bridge construction. Stantec led the Stage 0 effort to extend Nelson Road north over Bayou Contraband, connecting with Sallier Street. We are currently underway on the Stage 1 Environmental Impact Study phase. Lighting was involved in this project.
05/12 - 12/17	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, LA** Lead Traffic Engineer. Joey served as Traffic Analyst responsible for quality assurance and examining improvements to increase safety and access management on Government Street between I-110 and Jefferson Highway. Stantec evaluated traffic data, developed conceptual alternatives, and accounted for the LADOTD Complete Street Policy. Joey collected traffic data and developed models in VISSIM, Synchro, and SIDRA to analyze different operational improvements alternatives. Joey also prepared materials for and participated in public meetings under the DOTD public involvement process.
08/09 - Ongoing	**I -49 INNER CITY CONNECTOR STAGE 0-1, STUDY & IJR | LADOTD | Shreveport, LA** Traffic Engineer. Joey is performing NEPA investigations, developing an IMR and IJR and providing quality assurance for this 3.5-mile final nationwide link of I-49 by connecting the existing I-49/I-20 interchange to the proposed I-49 / I-220 interchange. NLCOG’s Travel Demand Forecasting Model was modified and used to project future traffic for three alternatives representing different interchange combinations. HCS will be used to determine which roadway improvements would be necessary for each alternative.
08/14 - 08/19	**W. PRIEN LAKE ROAD RELOCATION | LADOTD | Lake Charles, LA** Lead Traffic Engineer. Joey led traffic services on this project that featured a new signalized intersection at the relocated roadway and Nelson Rd., which required Stantec to develop traffic signal warrants, signal timing analyses and signal plans. Since the improvements impacted certain areas near the Nelson Rd. Interchange at I-210, Stantec developed a Level 2 TMP document. This project improved traffic flow in this very congested area of Southwest Lake Charles.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Brian Johnson, PE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**18**	
TITLE	**Principal, Bridge Division Leader**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**5**	
DEGREE(S) / YEARS / SPECIALIZATION	**MS | 2000 | Civil Engineering; BS | 1999 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 31273 | LA | 9/30/2024**			
YEAR REGISTERED	**2004**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Brian will perform Quality Control reviews for all structural engineering deliverables produced under this contract in accordance with the DOTD Accepted QC/QA Plan. He will utilize his previous experience on similar projects and lead the structural engineering team on all design task orders received under this IDIQ. Brian will perform **QA/QC - STRUCTURAL** for this contract. **Brian meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 5**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/19 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Bridge Design Lead. Brian leads the design of the flyover ramps that consist of concrete slab spans, prestressed concrete girder spans, and twin horizontally curved steel tub girder spans. Design includes interstate lighting in all areas with ground mount light poles and foundations as well as also structure mount poles on bridge ramps and in median barriers. Structural Design also included a traffic signal mast arm support from the bridge barrier. Structural Design was performed in compliance with AASHTO LRFD Specifications for bridge and AASHTO Standard Specifications for light, traffic signals, and highway signs.
11/16 - 11/19	**STATE HIGHWAY 288 TOLL LANES PROJECT | TxDOT | Houston, TX** Project Manager. Brian provided oversight and design for structural elements on this project including ground mounted light poles and foundations (including anchor bolts, base plate attachments, and concrete elements) and structure mounted poles (including concrete blisters and concrete anchors). Project improved functionality over 10.3 miles along Sh 288, from US 59 to Harris/Brazoria County line at Clear Creek, by constructing new toll lanes, installing toll infrastructure, and establishing toll operations and maintenance. Project included upgrading existing light standards along the interstate from HPS to LED and relocating large portions of the lighting system due to conflicts with the new lanes. Structural design was performed in compliance with AASHTO standard specifications.
12/15 - 12/22	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Structural Engineer. Brian performed quality review of bridge design, plans and specifications for this bridge extension to the surrounding roadway network. Project task included design of bridge superstructure, substructure including foundations, median barrier design and as-designed load rating. Other design elements include navigational lighting bridge attachments, steel bracket light supports with concrete anchors to the bridge structure. Structural Design was performed in compliance with AASHTO LRFD Specifications.
07/15 - 06/18	**US 90 INTERCHANGE AT LA 318 DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Structural QA/QC Manager. Brian performed structural quality control for this design-build project which consisted of a new twin structures and a diamond interchange. The bridges consisted of LG-54 prestressed concrete girder spans with lengths up to 111-ft supported by multi-column concrete bents. Brian performed independent reviews of the reported designs and the proposed construction plans.
04/11 - 03/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT| LADOTD H.010151 | Lake Charles, LA** Lead Structural Engineer. Brian managed the structural design of a single-span, 130-ft long, prestressed concrete girder bridge along I-210 over Cove Lane and twin concrete slab span bridges over Cline Canal. He provided construction support by reviewing shop drawings, addressing RFIs, attending weekly progress meetings and performing construction engineering. All design was performed in accordance with AASHTO LRFD Bridge Design Specifications. Project received the Highways/Bridges: Award of Merit from the Engineering News Record for Texas and Louisiana in October 2016.
08/14 - 07/19	**WEST PRIEN LAKE ROAD RELOCATION | LADOTD | Lake Charles, LA** Lead Structural Engineer. Brian was responsible for leading design and plan development efforts for a two-cell, 12-ft x 12-ft reinforced concrete box culvert. The culvert is 117-ft long supporting four travel lanes, a shared use path, and a sidewalk. An architectural railing was installed along the headwall length. Brian oversaw construction administration activities which included reviewing shop drawings, addressing contractor RFIs, and providing construction engineering.

05/13 - 01/18	**HOSPITALITY ZONE US 90Z IMPROVEMENTS | LADOTD Contract No. H.010189 (IDIQ 440000679) | New Orleans, LA** Structural Lead. Project consisted of installing new ramp meters on six different on-ramps along US 90Z in New Orleans, LA. Developed a solution to minimize traffic impacts by extending the existing bent caps to support the new ramp meters. Worked with DOTD to determine an exact location for each meter and, in turn, locating as-built drawings for that particular bent cap. Each cap was analyzed support the ramp meter and appropriate wind load for a hurricane region. Structural Design includes design of ground mount light poles and foundations (including anchor bolts, base plate attachments, concrete elements, and drilled shafts) per AASHTO standard specifications.
09/18 - 10/22	**IDIQ CONTRACT FOR INTELLIGENT TRANSPORTATION SYSTEM DESIGN | LADOTD Contract No. 440010670 | Statewide, LA** Lead Structural Engineer. Brian provided oversight for the structural and foundation design for ITS devices on this $3M retainer contract. Design included truss and cantilever truss mounted DMS signs supported on pile footings (including base plates and anchor bolts) and pile supported median barrier foundations. Also included in the structural design is design of drilled shaft foundations (including base plates, anchor bolts and concrete components) and design of structure mounted sign posts (including concrete blisters and concrete anchors). All designs are conducted according to AASHTO Standard Specifications or the newer AASHTO LRFD specifications as required by LADOTD (per task order).
02/08 - 02/12	**BRIDGE PRESERVATION RETAINER PROJECTS | LADOTD | Statewide, LA** Project Manager. Brian served as the Project Manager and oversaw a $2 million retainer contract that included new bridge design, bridge inspection and rehabilitation, bridge lighting feasibility studies, mechanical design for a new swing span bridge, and plan development for lighting an existing grade separation intersection. Brian provided design, coordinated with LADOTD and subconsultants, and transmitted submittals through the LADOTD Project Wise file sharing site.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**		
NAME	**Katherine Thimmesch, PE, PMP**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	**2**
TITLE	**Project Manager, Electrical Engineer**	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	**7**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2012 | Electrical Engineering**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 41462 | LA | 09/30/2023**		
YEAR REGISTERED: **2017**	DISCIPLINE: **Electrical and Computer Engineering | Certified Project Management Professional, 2013 | OSHA 10 Hr. Construction, 2016**		

Contract role(s) / brief description of responsibilities	Katherine will provide design and detail checks on all electrical engineering deliverables in accordance with the DOTD Accepted QC/ QA Plan. She will utilize her prior experience performing LADOTD Lighting and Electrical projects to ensure plan presentation and design standards are met with each deliverable submitted under this contract. Katherine will also provide engineering support during construction for any task orders issued under Part V of this IDIQ scope. Her prior experience in construction related engineering services for LADOTD lighting projects will help in ensuring projects are completed with few delays and change orders. Katherine will serve as **ELECTRICAL DESIGN - QC / DESIGN CHECKER** for this contract. **Katherine meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4a**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/21 - Ongoing	**ELECTRICAL SERVICES IDIQ | LADOTD Contract No. 44-20064 | Statewide, LA** Quality Control and Electrical Engineer. Katherine provided quality control and assisted the lead designer with lighting design tasks including preparation of plans, specifications and special provisions, construction cost estimates, and engineering calculations for all interstate lighting projects under this IDIQ contract. She worked closely with the Engineer of record to address QC comments in the design calculations and plans.
06/20 - 03/21	**STATE HIGHWAY 288 TOLL LANES PROJECT | TxDOT | Houston, TX** Electrical Engineer. Katherine assisted signing engineer with construction related engineering services including plan changes and photometric analysis. This P3 project implemented improved functionality over 10.3 miles along SH 288, from US 59 to the Harris/Brazoria County line at Clear Creek, by constructing new toll lanes, installing toll infrastructure, and establishing toll operations and maintenance. She performed photometric analysis for portions of the 10 mile corridor and is assisted the signing engineer with preparation of plan changes. The lighting system consisted of conventional light standards as well as high mast towers up to 175ft. Project also included two pedestrian bridges with decorative lighting to provide safe crossings for the residential communities on each side of this 400ft wide corridor.
06/20 - 12/22	**NELSON ROAD EXTENSION BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Electrical Engineer. Katherine performed Quality Control and Lighting Design Tasks for the lighting design, plans and specifications for solar, navigational lights on the Nelson Road Extension Bridge. The design required coordination with the coast guard to obtain approval on proposed updates to the existing navigation light system.
06/20 - 03/21	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Electrical Engineer. Katherine performed Quality Control and Lighting Design Tasks for the lighting design, plans and specifications for light standards within the Loyola - I-10 Interchange. The design included interstate lighting in all areas with ground mount light poles and foundations as well as structure mount poles on bridge ramps and in median barriers. Lighting design was especially challenging due to the layout of the interchange (3 different roadway elevations) and the intersection with airport property (lighting requirements and preferences are extremely different between airport and LADOTD).
01/17 - 08/18	**MORRISON ROAD INTERSTATE LIGHTING | LADOTD Contract No. H.012602 | New Orleans, LA** Signing Engineer. Katherine was the signing engineer for this project. Project limits included the I-10 / Morrison Road Interchange. Project makeup consisted of the following types of roadway lighting standards: ground mount low mast, structure mount low mast, ground mount high mast, and underpass. The design firm provided design services only under this contract. In addition, lighting control and power distribution and system protection is included.

02/13 - 08/18	**I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING | LADOTD Contract No. H.010440 | Lake Charles, LA** Design Engineer. Katherine was the designer on this project under the signing engineer. Project makeup consisted of the following types of roadway lighting standards: 44 ground mount low mast, 54 structure mount low mast (bridge), 7 barrier mount low mast, 10 ground mount high mast, and 4 underpass. In addition, lighting control and power distribution and system protection is included. Services include feasibility study, design, development of plans and specifications, and CE&I as required.
03/15 - 06/18	**LA 434 INTERCHANGE LIGHTING (LACOMBE) | LADOTD Contract No. H.003451 | Slidell, LA** Project Manager. Katherine was the designer on this project under the signing engineer. Project limits include the I-12 / LA 434 Interchange. Project makeup consisted of the following types of roadway lighting standards: 72 ground mount low mast and 4 underpass. The design firm provided design services and construction services under two Task Orders. In addition, lighting control and power distribution and system protection is included.
02/13 - 08/18	**I-12 AT US-11 INTERCHANGE LIGHTING | LADOTD Contract No. H.000687 | Slidell, LA** Project Manager. Katherine was the designer on this project under the signing engineer. Project makeup consisted of the following types of roadway lighting standards: 27 ground mount low mast, 20 barrier mount low mast, 8 ground mount high mast, and 8 underpass. In addition, lighting control and power distribution and system protection is included. Services include design, development of plans and specifications, and CE&I as required.
07/20 - 12/22	**I-10 WBR QUEUE WARNING ITS DEPLOYMENT | LADOTD Contract No. H.013482 | Port Allen, LA** Electrical Engineer. Katherine was responsible for preparing design plans and specifications for expansion of the ITS system in West Baton Rouge to cover an area with extremely high rates of crashes and fatalities. Project aimed to increase traffic incident monitoring coverage with new CCTV camera sites, flashing beacons, Dynamic Message Signs and forward-firing radar vehicle detectors. The system provided network connectivity to existing ITS devices along this route and provide twenty miles of new fiber optic backbone. Project also included assisting LADOTD with obtaining a Railroad permit for installation of the new fiber. Katherine provided design services and technical support during construction for this ITS deployment.
03/20 - 12/21	**I-10 US-61 TO LAPLACE ITS DEPLOYMENT | LADOTD Contract No. H.013710 | LaPlace, LA** Electrical Engineer. Katherine was responsible for preparing design plans and specifications for expansion of the ITS system between Baton Rouge and Laplace. Project aimed to increase traffic incident monitoring coverage with 8 new CCTV camera sites and fifteen miles of new fiber optic backbone and connecting new and existing devices to existing fiber optic backbone. Katherine provided technical support during construction for this ITS deployment.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Nick Lynch, EI**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**1**
TITLE	**Engineer-in-training**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2022 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**EI No. 35226 | LA | 03/31/2025**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**Civil Engineering**	
Contract role(s) / brief description of responsibilities	Nick will serve as **ELECTRICAL DESIGN - DESIGNER** and **TRAFFIC - DESIGNER/DETAILER** for this contract.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
07/22 - Ongoing	**LA 30: SOUTH BLVD. TO W. CHIMES ST. | LADOTD H.011098 | Baton Rouge, LA** Engineer-in-training. Nick assisted the EOR with reviewing equipment submittals for conformance with the contract documents as part of construction support.
05/22 - Ongoing	**I-10: LA-26 (JENNINGS) INTERCHANGE LIGHTING | LADOTD H.014286 | Jennings, LA** Engineer-in-training. Nick assisted the EOR with voltage drop calculations, summary of quantities, and preparation of calculation package. Nick also assisted in the development of the transportation management plan.
05/22 - Ongoing	**I-10: LA-97 (JENNINGS) INTERCHANGE LIGHTING | LADOTD H.014272 | Jennings, LA** Engineer-in-training. Nick assisted the EOR with voltage drop calculations, summary of quantities, and preparation of calculation package. Nick also assisted in the development of the transportation management plan.
08/22 - Ongoing	**I-10: LA-99 (WELSH) INTERCHANGE LIGHTING | LADOTD H.014287 | Welsh, LA** Engineer-in-training. Nick assisted the EOR with preliminary photometric calculations, summary of quantities, and preparation of calculation package. Nick also assisted in the development of the transportation management plan.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Katie Mann**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**1**
TITLE	**CAD Technician**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**9**
DEGREE(S) / YEARS / SPECIALIZATION	**Associate Degree | 2015 | Drafting**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	Katie will serve as **ELECTRICAL DESIGN - DETAILER** for this contract. Katie will create and manage project plans, photometric reports and deliverables.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
08/22 - Ongoing	**I-10: LA-99 (WELSH) INTERCHANGE LIGHTING | LADOTD H.014287 | Welsh, LA** CAD Technician. Katie creates and manages Project Plans, Photometric Reports and Deliverables for roadway lighting at existing interchange. Includes CadConform, ControlCad Reports, and ProjectWise publishing per LADOTD Digital Plan Delivery Standards.
09/21 - Ongoing	**I-10: LA-26 (JENNINGS) INTERCHANGE LIGHTING | LADOTD H.014286 | Jennings, LA** CAD Technician. Katie creates and manages Project Plans, Photometric Reports and Deliverables for roadway lighting at existing interchange. Includes CadConform, ControlCad Reports, and ProjectWise publishing per LADOTD Digital Plan Delivery Standards.
09/21 - 01/22	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD H.005967 | Lake Charles, LA** CAD Technician. Katie created and managed Project Plans, Photometric Reports and Deliverables for roadway and navigation lighting for new bridge and approaches. Includes CadConform, ControlCad Reports, and ProjectWise publishing per LADOTD Digital Plan Delivery Standards.
01/17 - 09/19	**MORRISON ROAD INTERSTATE LIGHTING | LADOTD H.012602 | New Orleans, LA** CAD Technician. Katie created and managed Project Plans, Photometric Reports and Deliverables for roadway and navigation lighting for new bridge and approaches. Includes CadConform, ControlCad Reports, and ProjectWise publishing per LADOTD Digital Plan Delivery Standards.
05/18 - 08/19	**I-10 CROWDER BLVD. LIGHTING | LADOTD H.013442 | New Orleans, LA** CAD Technician. Katie created and managed Project Plans, Photometric Reports and Deliverables for roadway and navigation lighting for new bridge and approaches. Includes CadConform, ControlCad Reports, and ProjectWise publishing per LADOTD Digital Plan Delivery Standards.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Stephen Mensah, PhD, PE, PTOE, RSP1**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**11**	
TITLE	**Associate, Traffic Engineer**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**5**	
DEGREE(S) / YEARS / SPECIALIZATION	**PhD | 2007 | Civil Infrastructure Systems in Transportation; MS | 2002 | Civil Engineering; BS | 1998 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 38591 | LA | 09/30/2024**			
YEAR REGISTERED	**2013**	DISCIPLINE	**Civil Engineering; PTOE #3960, 2013**	
Contract role(s) / brief description of responsibilities	Stephen will lead the Traffic team for any task orders issued under stage 3 services of this IDIQ scope as well as provide quality control on all traffic engineering deliverables in accordance with the DOTD Accepted QC/QA Plan. He will utilize his prior experience performing DOTD projects to ensure Transportation Management Plans and Traffic plan sheets conform to DOTD Traffic Operations standards and applicable codes and standards are followed (primarily the MUTCD). Stephen will serve as **TRAFFIC - TASK LEAD/QC** for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/19 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Traffic Engineer. Stephen was responsible for analyzing the historical crashes on the road network of the project environs to help develop the TMP and to mitigate crashes on the corridors based on the prevailing crashes identified in the analysis. He modeled using the IHSDM the interstate system, ramps and surface streets to determine the safety performance of design concepts under consideration for the design-build.			
07/15 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD | Lafayette, LA** Safety Analyst. Stephen is responsible for the safety analysis of interchange designs providing inputs for crash mitigation. The scope of the safety analysis included historical crash analysis to understand safety performance within the corridor and how that would impact TMP. Stephen further developed an IHSDM model of the corridor to predict and evaluate safety performance of various geometric alternatives considered for the project, and to guide selection of a build alternative that fosters safety for all road users.			
05/12 - 08/12	**MTP REFINEMENT: ROAD SAFETY ASSESSMENT | LADOTD | Slidell, LA** Safety Analyst. Stephen gathered/analyzed crash data, traffic volumes, traffic speed, signal timings and phasing information from the RPC and other resources. He assessed road safety of a high-accident corridor with the objective of identifying the different safety issues and recommending potential safety improvements. He provided an inventory of pertinent roadway elements (i.e. lane width, pavement markings, signage, surface obstacles). Road safety issues and improvements included speed, multi-modal considerations, pavement marking, signs, intersection control, lighting, obstructions, access points, traffic generators and weather conditions.			
03/11 - 03/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD | Lake Charles, LA** Safety Analyst. Stephen was responsible for the safety analysis of the intersections and segments impacted by this development including analysis of the freeway safety performance to identify crash hotspots or abnormal crash locations for mitigation. He performed safety assessments for the temporary traffic control included in the Transportation Management Plan.			
10/12 - 02/16	**US 90Z NEW ORLEANS HOSPITALITY ZONE | LADOTD | New Orleans, LA** Safety Analyst. Stephen performed safety analysis to determine the abnormal crash zones and overrepresented crashes in the crash data for the project scope to improve mobility and safety in downtown NOLA by deploying ITS to manage traffic. Analysis yielded inferences on the causative issues for crashes in the corridor and the countermeasures required to mitigate them. Analysis outcomes informed the TMP required to manage traffic during construction and successfully deploy ITS devices to enhance mobility and safety. An effective TMP is required to ensure road user and construction worker safety and reduce client exposure to litigation from crashes.			
07/15 - Ongoing	**I-49 CONNECTOR | LADOTD Contract No. H.004273.5 | Lafayette, LA** Safety Analyst. Stephen is responsible for the safety analysis of interchange designs providing inputs for crash mitigation. Stephen is also responsible for developing the system engineering analysis for deployment of ITS devices in the corridor. Extension of the I-49 corridor through the City of Lafayette has been proposed and Stantec is tasked with reviewing and developing the proposed roadway alignment.			

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Matt Davis, PE, PTOE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**13**	
TITLE	**Senior Associate, Traffic and ITS Engineer**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**	
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2009 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 38947 | LA | 09/30/2024**			
YEAR REGISTERED	**2014**	DISCIPLINE	**Civil Engineering; PTOE #3914, 2015**	
Contract role(s) / brief description of responsibilities	Matt will perform design and detail checks for traffic engineering deliverables in accordance with the DOTD Accepted QC/QA Plan. He will utilize his prior experience performing DOTD projects across many states, including Louisiana, to ensure Transportation Management Plans and Traffic plans conform to DOTD Traffic Operations standards and applicable codes and standards are followed (primarily the MUTCD. Matt will serve as **TRAFFIC - DESIGN CHECKER/DETAIL CHECKER** for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/18 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Traffic Quality Control Reviewer. Matt performed quality review on ITS and traffic signal plans as well as the VISSIM model developed for the Diverging Diamond Interchange signals and the Transportation Management Plan prepared for this design-build project. Project also includes adjacent signalized intersections north and south of the interchange along with a multi-use path for pedestrian and bicycle accommodations. The Veterans Boulevard intersection with Loyola Avenue utilizes traffic signal equipment mounted to the flyover bridge structures.			
04/11 - 06/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD | Lake Charles, LA** Traffic Engineer. Matt developed an IJR for I-210 between Cove Lane and Nelson Road interchanges. Coordination contributed to the expedited 8-month NTP to FONSI EA timeline realized for this high-profile project. Peak hour traffic volumes for 28 possible design alternatives accommodated all future developments including the Ameristar Casino and Hotel north of I-210. Alternatives were reduced to 8, on which HCS and SIDRA analyses for over 50 locations per alternative were performed.			
08/15 - 09/19	**LA 3064 TO LA 1248 PHASE I AND II DIJON DRIVE EXTENSION | LADOTD Contract No. H.012233 | Baton Rouge, LA** Traffic Engineer. Matt performed the traffic analysis and developed the report for this project. Stantec was selected by Our Lady of the Lake and Baton Rouge General Hospitals to study the feasibility of building a new road between Bluebonnet Boulevard and Essen Lane in Baton Rouge, Louisiana to help relieve traffic and improve access within this important medical district. Matt was tasked with analyzing the traffic impacts generated by the new road along with planned developments within the study area. A total of twelve intersections along Essen Lanes and eleven intersections along Bluebonnet Boulevard were studied during the morning, noon, afternoon, and weekend peak periods.			
05/12 - 12/17	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, Louisiana** Traffic Engineer. Matt served as Traffic Engineer for a feasibility study of performing a road diet on Government Street in Baton Rouge by reducing the existing 4-lane section down to a 3-lane section with one lane in each direction, a two-way left turn lane, and a bike lane in each direction. Matt designed the traffic signals and temporary traffic signals along this 4-mile project. He also coordinated signal timings along the corridor.			
10/13 - 10/20	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Traffic Quality Control Reviewer. Matt has performed quality review on the traffic signal plans for the Nelson Road Extension Bridge. The plan design included signal sheets on the roadway as well as for a private rail crossing.			
07/15 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD Contract No. H.004273.5 | Lafayette, LA** Traffic QC. Matt is responsible for performing QC reviews on various geometric design alternatives within the ongoing CSS and TEPR processes. The analysis includes a comprehensive VISSIM model of the Lafayette area that has been calibrated to LADOTD standards. Matt is responsible for providing a QC review of the systems engineering analysis report for the ITS deployment along the corridor. The project is following LADOTD’s Process and Report format.			

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Kunal Malpani, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**9**
TITLE	**Structural Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**MS | 2012 | Civil Engineering; BS | 2010 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 43016 | LA | 3/31/2025**			
YEAR REGISTERED	**2018**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Kunal will lead the structural team in detail preparation of structural engineering deliverables required under stage 3 services of this IDIQ scope. He will utilize his prior experience performing DOTD projects to ensure structures comply with DOTD standards and applicable requirements (primarily ANSI). He will also provide structural engineering reviews during construction services under stage 5 services of this IDIQ scope to ensure structures are built in accordance with the design plans and specifications. Kunal will serve as **STRUCTURAL - TASK LEAD/DETAIL CHECKER** and **CONSTRUCTION SUPPORT - ENGINEERING REVIEWS** for this contract. **Kunal meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 6**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
05/13 - 02/16	**HOSPITALITY ZONE US 90Z IMPROVEMENTS | LADOTD Contract No. H.010189 (IDIQ 440000679) | New Orleans, LA** Structural Engineer. This project consisted of installing new ramp meters on six different on-ramps along US 90Z in New Orleans, LA. Developed a solution to minimize traffic impacts by extending the existing bent caps to support the new ramp meters. Worked with DOTD to determine an exact location for each meter and, in turn, locating as-built drawings for that particular bent cap. Each cap was analyzed support the ramp meter and appropriate wind load for a hurricane region.
01/19 - 12/22	**NELSON ROAD EXTENSION BRIDGE | LADOTD Contract No. H.005967 | Baton Rouge, LA** Structural Engineer. Kunal assisted the design engineer with preparation of plans and specifications for this bridge extension to the surrounding roadway network. Design included design of bridge components, including substructure, footing and foundation, load bearing calculations, girders and barrier design. Other design elements include navigational lighting bridge attachments, steel bracket light supports with concrete anchors to the bridge structure. Kunal is currently providing construction support services under separate contract.
01/19 - Ongoing	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Structural Engineer. Kunal assisted the signing engineer in design of the flyover ramps for this project, consisting of concrete slab spans, prestressed concrete girder spans, and twin horizontally curved steel tub girder spans. The design also includes interstate lighting in all areas with ground mount light poles and foundations (including anchor bolts, base plate attachments, concrete elements, and drilled shafts) as well as also structure mount poles on bridge ramps and in median barriers (including concrete blisters and concrete anchors). Kunal is currently provided construction support services.
09/13 - 11/17	**BRIDGE PRESERVATION RETAINER PROJECTS | LADOTD | Statewide, LA** Load Rating Engineer. Kunal was responsible for developing LFR rating procedure using Bridge Rating Software (now BrR) and STAAD for superstructure as per AASHTO MBE. Highlights of the project include rating Long Span Steel Through Trusses, Short span Steel Pony Trusses, and Masonry Arch Bridges.
10/18 - 10/22	**IDIQ CONTRACT FOR INTELLIGENT TRANSPORTATION SYSTEM DESIGN | LADOTD Contract No. 440010670 | Statewide, LA** Structural Engineer. Kunal performed structural design, plans and specifications for the ITS devices on this $3M retainer contract. Design included truss and cantilever truss mounted DMS signs supported on pile footings (including base plates and anchor bolts) and pile supported median barrier foundations. Also included in the structural design is design of drilled shaft foundations (including base plates, anchor bolts and concrete components) and design of structure mounted sign posts (including concrete blisters and concrete anchors). All designs are conducted according to AASHTO Standard Specifications or the newer AASHTO LRFD specifications as required by LADOTD (per task order).

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**John Krebs, PE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**13**	
TITLE	**Senior Structural Engineer**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**	
DEGREE(S) / YEARS / SPECIALIZATION	**MS | 2008 | Civil Engineering; BS | 2007 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 37259 | LA | 9/30/2024**			
YEAR REGISTERED	**2012**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	John will assist the structural team in detail preparation of structural engineering deliverables required under stage 3 services of this IDIQ scope. He will utilize his prior experience performing DOTD projects to ensure structures comply with DOTD standards and applicable requirements (primarily ANSI). He will also provide structural engineering reviews during construction services under stage 5 services of this IDIQ scope to ensure structures are built in accordance with the design plans and specifications. John will serve as **STRUCTURAL - QC / DESIGN CHECKER**. **John meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 6** 
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
05/13 - 02/16	**HOSPITALITY ZONE US 90Z IMPROVEMENTS | LADOTD Contract No. H.010189 (IDIQ 440000679) | New Orleans, LA** Structural Engineer. Project consisted of installing new ramp meters on six different on-ramps along US 90Z in New Orleans, LA. Developed a solution to minimize traffic impacts by extending the existing bent caps to support the new ramp meters. Worked with DOTD to determine an exact location for each meter and, in turn, locating as-built drawings for that particular bent cap. Each cap was analyzed support the ramp meter and appropriate wind load for a hurricane region. Structural Design includes design of ground mount light poles and foundations (including anchor bolts, base plate attachments, concrete elements, and drilled shafts) per AASHTO standard specifications.
01/19 - 12/22	**NELSON ROAD EXTENSION BRIDGE | LADOTD Contract No. H.005967 | Baton Rouge, LA** Structural Engineer. Project task included design of bridge superstructure, substructure including foundations, median barrier design and as-designed load rating. Other design elements include navigational lighting bridge attachments, steel bracket light supports with concrete anchors to the bridge structure. Structural Design was performed in compliance with AASHTO LRFD Specifications.
08/09 - 11/17	**BRIDGE PRESERVATION RETAINER PROJECTS | LADOTD | Statewide, LA** Structural Engineer. John was responsible for load rating various bridges across state and preparing load rating reports for each bridge. One task order consisted of 4 ramps (J,K,L, and M) for I-10/North Claiborne Ave in New Orleans, LA. John was required to conduct a site visit and generate observation reports for each of these ramps to verify the condition reported in their most recent LADOTD inspection reports. These ramps consisted of mainly prestressed girder spans and were predominately supported by single-column, reinforced concrete bents; both the bent cap and the column had to be rated for these bents. The most complicated element of these ramps was the 3-span continuous, two-steel plate girder system on Ramp M. The load rating of this superstructure required a full 3-D finite element model to accurately obtain the member forces for the girders and cross frames. John was responsible for the analysis and load rating of the prestressed spans and the single-column bents. He performed the load rating of the steel unit and generated the load rating report. John also load rated and generated the report for the LA 97 Bridge over I-10 in Jennings, LA, which is a 338’, 4-span bridge consisting of composited, welded steel plate girders of 60’, 100’, and 115’ in length.
10/18 - 10/22	**IDIQ CONTRACT FOR INTELLIGENT TRANSPORTATION SYSTEM DESIGN | LADOTD Contract No. 440010670 | Statewide, LA** Structural Engineer. John performed structural design, plans and specifications for the ITS devices on this $3M retainer contract. Design included truss and cantilever truss mounted DMS signs supported on pile footings (including base plates and anchor bolts) and pile supported median barrier foundations. Also included in the structural design is design of drilled shaft foundations (including base plates, anchor bolts and concrete components) and design of structure mounted sign posts (including concrete blisters and concrete anchors). All designs are conducted according to AASHTO Standard Specifications or the newer AASHTO LRFD specifications as required by LADOTD (per task order).

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Jacob Tisdale, EI**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**4**
TITLE	**Structural Engineer-in-Training**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2018 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**EI No. 34026 | LA**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	Jacob assist the structural team in detail preparation of structural engineering deliverables required under stage 3 services of this IDIQ scope. He will utilize his prior experience performing DOTD projects to ensure structures comply with DOTD standards and applicable requirements (primarily ANSI). Jacob will serve as **STRUCTURAL - DESIGNER/DETAILER** for this contract.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
01/19 - 11/23	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Design Engineer Intern. Jacob served as a design engineer on this multimillion-dollar design-build project that will improve access and traffic operations to and around the new Northfield Terminal at the New Orleans International Airport. The project consists of a DDI, in addition to flyover ramps leading to/from the Airport on the east side of the interchange. The flyover ramps consist of curved twin steel tub girders, prestressed concrete girders and slab spans being supported by a combination of hammerhead bents, wall bents and pile bents. The project is one of the first in the state to implement LU girders. Jacob’s responsibilities included the design of slab spans, substructure elements, reviewing shop drawings, and performing as-designed load ratings on structural components.
12/18 - 06/23	**LA-12 BRIDGE REPLACEMENTS VALUE ENGINEERING | LADOTD | Calcasieu Parish, LA** Engineer Intern. Jacob served as design engineer on the project that will eliminate the need for to construct six detour bridges and several thousand feet of detour roadway. Stantec updated the currently approved roadway plans to propose six overbuilt bridges that would not only maintain traffic during construction, but also accommodate future widening / expansion of the LA 12 corridor, which has a direct connection to the state of Texas. Jacob was responsible for design of the deck, concrete box girders, substructure, reviewing shop drawings, and performing as-designed load ratings.
08/19 - 06/21	**MADISON AVE. OVER BRASHEAR CREEK | MDOT | Madison County, MS** Engineer Intern. Jacob was involved as a design engineer to widen Madison Avenue to accommodate future traffic demands. The project involved developing construction plans for channel improvements and a new bridge that consists of sidewalks on each side, four travel lanes, a 24-ft wide raised median and a retaining wall at the north west quadrant of the bridge. Jacob’s responsibilities on the project were to design the deck, FIB-63 girders, steel pile supported abutments, retaining wall, as-design load rating, and other miscellaneous items.
07/21 0 12/23	**SR-12 OVER MOCASSIN CREEK | MDOT | Holmes County, MS** Engineer Intern. Jacob was a design engineer for the bridge replacement. The projected consisted of FIB girders atop concrete Bents. Jacob’s roles included, but were not limited to, designing the deck, MFIB-25 girders, and Intermediate bents, and performing the design load rating and checking shop drawings.
10/17 - 10/22	**IDIQ CONTRACT FOR INTELLIGENT TRANSPORTATION SYSTEM DESIGN | LADOTD Contract No. 440010670 | Statewide, LA** Engineer Intern. Jacob assisted in performing structural design, plans and specifications for the ITS devices on this $3M retainer contract. Design included truss and cantilever truss mounted DMS signs supported on pile footings (including base plates and anchor bolts) and pile supported median barrier foundations. Also included in the structural design is design of drilled shaft foundations (including base plates, anchor bolts and concrete components) and design of structure mounted sign posts (including concrete blisters and concrete anchors). All designs are conducted according to AASHTO Standard Specifications or the newer AASHTO LRFD specifications as required by LADOTD (per task order).

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Wes Dean, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**6**
TITLE	**Senior Associate, Traffic Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**33**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1983 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 11398 | MS***			
YEAR REGISTERED	**1984**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Wes will lead the Construction Support team for any task orders issued under stage 5 services of this IDIQ scope. He will utilize his prior experience performing similar inspections and his NFPA 70 and 70E training to ensure field activities are conducted safely and the construction proceeds according to the design plans and specifications. Wes will serve as **CONSTRUCTION - TASK LEAD** for this contract.
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.
02/19 - 06/20	**CE&I SERVICES FOR TRAFFIC SIGNAL INSTALLATION- SPILLWAY RD @ OLD FANNIN RD, SPILLWAY ROAD - HUGH WARD BLVD | MDOT | MS** Project Manager. Wes served as the project manager for construction engineering and inspection for installation of new mast-arm traffic signals at the intersections of Spillway Rd @ Old Fannin Rd, and Spillway Road - Hugh Ward Blvd. Assisted with inspections of installation of all electric and electronic equipment, conduit, and foundations to confirm compliance with MDOT specifications and prepared inspection reports. Also monitored performance of traffic signal during burn-in phase.
01/17 - 12/17	**CE&I FOR TRAFFIC SIGNAL INSTALLATION - OLD HWY 49 @ RIVERVIEW DRIVE | MDOT | Richland, MS** Project Manager. Wes served as the project manager for the construction engineering and inspection for the installation of a new mast-arm traffic signal at the intersection of Old Hwy 49 @ Riverview Drive in Richland, MS. Assisted in inspections of all electrical and electronic equipment, conduit, and foundations to confirm compliance with MDOT specifications and prepared inspection reports
08/06 - 12/08	**CE&I - US 90 TRAFFIC SIGNALS | MDOT | Gulfport, MS** MDOT State Traffic Engineer. Wes made multiple trips over two years and provided QA inspections of the installation of electrical and electronic equipment, conduit, and foundations for the replacement of 45 mast traffic signals on US 90 that were destroyed during Hurricane Katrina and prepared inspection reports.
01/17 - Ongoing	**ON-CALL TRAFFIC SIGNAL SERVICES | City of Madison | Madison, MS** Project Manager. Wes serves as the project manager On-Call Traffic Signal troubleshooting and repairs on approximately 40 traffic signals in the city of Madison, MS. Assist with inspections, troubleshooting, and repairs of all traffic signal electrical and electronic equipment and prepared inspection reports. Furnish City with repair report upon completion.
01/17 - Ongoing	**RANKIN COUNTY ON- CALL TRAFFIC SIGNAL SERVICES | Rankin County Board of Supervisors | Rankin, MS** Project Manager. Wes is overseeing and coordinating on-call traffic signal and street light maintenance and repairs. Assisted with QA inspections of all electronic and electrical equipment after repairs were made and prepared inspection reports. Furnished repair reports to County after repairs were made.
03/13 - 12/16	**I-269 DESIGN/BUILD, I-55 SPLIT DIAMOND, I-55 SOUTH WIDENING, MS 25/LAKELAND DRIVE WIDENING | MDOT | MS** MDOT Assistant Chief Engineer - Field Operations. Wes participated in the partnering process on several large, multi-year construction projects. These quarterly meetings of MDOT personnel, contractor personnel, subcontractor personnel, and FHWA facilitated an open dialogue and helped to resolve scheduling, construction, and a myriad of other issues on these large projects.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**		
NAME	**Frank Phillips, IMSA II**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**13**
TITLE	**Senior Transportation Specialist**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**18**
DEGREE(S) / YEARS / SPECIALIZATION	**AAS | 1990**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**		
YEAR REGISTERED	**N/A**	DISCIPLINE	**NFPA 70, 2020 | NFPA 70E, 2021**

Contract role(s) / brief description of responsibilities	Frank will assist the Construction Support team for any task orders issued under stage 5 services of this IDIQ scope. He will utilize his prior experience performing similar inspections and his NFPA 70 and 70E training to ensure field activities are conducted safely and the construction proceeds according to the design plans and specifications. Frank will serve as **CONSTRUCTION SUPPORT - INSPECTOR** for this contract.
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
04/22 - Ongoing	**US 165 ROADWAY LIGHTING (OUACHITA) | LADOTD Contract No. H.014302 | Monroe, LA** Inspector. Frank is responsible for providing electrical field inspection for conformance to contractor equipment submittals, contract documents,and NFPA Standards (70 and 70E).
05/18 - 10/19	**US 82 / MS 1 SYSTEMATIC TRAFFIC SIGNAL IMPROVEMENTS | MDOT | Greenville, MS** Design Team. Frank was responsible for coordinating all the utility locates for project location. He was also responsible for all the utility survey for the entire project. Frank also developed Signal upgrade plans for all 24 intersections and assisted with the development of the ITS plans. Project was to rehabilitate 24 Intersections on US 82 and MS 1 in Greenville. Also included was replacement of permanent Signs and approximately 17 miles of fiber optic cable to interconnect all 24 signals to the MDOT Statewide Traffic Management Center along with cameras and Bluetooth devices.
01/11 - 10/14	**MDOT TRAFFIC SIGNAL INVENTORY AND GEODATABASE | Statewide, MS** GIS Technician and Assistant Signal Technician. Frank performed on site field inventory for more than 150 MDOT maintained traffic signals. Project includes diagnosis of existing traffic signal equipment and determination of repairs needed, locating existing underground signal and power cables, survey all underground cables, and all existing signal structures, photograph all signal equipment and structures, import all data into a geodatabase. Reports and geodatabase are provided to MDOT and Inventory data will be integrated with Mississippi 811 system (formerly Mississippi One Call).
10/10 - 10/11	**LONI FIBER OPTIC NETWORK EXPANSION | Louisiana Division of Administration Project No. 01-107-09-01 | Statewide, LA** GIS Technician. Frank surveyed hundreds of miles of DOTD right-of-way using a hand-held GPS to locate existing right-of-way lines and utilities, while also identifying the required method of conduit installation (trenching, boring downtown, boring metro, or structure mount). Frank also provided post-processing assistance to verify locates and line types. Field notes were kept throughout the project and delivered to the client to assist with any issues that could arise during construction. Frank’s hard work ensured that the data collection portion of the project finished ahead of schedule, even with tight deadlines in place. Frank’s work helped pave the way to connect the states anchor institutions, extend broadband access to unserved and underserved areas of the state, and spur demand for broadband services through a comprehensive middle-mile fiber optic network.
03/20 - 06/20	**I-10 LOYOLA DESIGN-BUILD | LADOTD Contract No. H.011670 | New Orleans, LA** Design Team. Frank assisted the design engineer in preparation of the lighting plans and in reviewing signal plans for this bridge project.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Gordon Mosher**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**1**
TITLE	**Construction Inspector**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**35**
DEGREE(S) / YEARS / SPECIALIZATION	**N/A**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**NFPA 70, 2020 | NFPA 70E 2021**	

Contract role(s) / brief description of responsibilities	Gordon will assist the Construction Support team for any task orders issued under Stage 5 Services of this IDIQ scope. He will utilize his prior experience performing similar inspections and his NFPA 70 and 70E training to ensure field activities are conducted safely and the construction proceeds according to the design plans and specifications. Gordon will serve as **CONSTRUCTION SUPPORT - INSPECTOR** for this contract. **Gordon meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 7**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.
09/18 – 09/20	**TANGIPAHOA PARISH SEWER DISTRICT NO. 1 S.E. SEWER TREATMENT PLANT | LA** Construction Inspector. Gordon was responsible for coordination between engineer and supplier to develop plans and drawings. He coordinated with electrical engineers, inspected all phases of construction and prepared inspection reports for electrical equipment.
08/17 – 07/18	**TANGIPAHOA PARISH SEWER DISTRICT NO. 1 LIFT STATION IMPROVEMENTS | LA** Construction Inspector. Gordon worked under direction of engineer and coordinated with electrical engineer, inspected installation, prepared inspection reports, and setup of multiple sewer lift stations and controls.
08/17 – 04/18	**FOLSOM SEWER TREATMENT PLANT IMPROVEMENTS** Construction Inspector / Design Draftsman. Gordon worked with the manufacturer to help design plans for the upgrade equipment and controls and install new ultraviolet disinfection system and discharge pump station and inspected installation and setup of new equipment and controls.
08/16 – 05/17	**FRANKLINTON SEWER TREATMENT PLANT IMPROVEMENTS** Construction Inspector / Design Draftsman. Gordon worked with the engineer to help design plans for the upgrade of ultraviolet disinfection system and install new headworks equipment and controls. He also inspected and prepared inspection reports for electrical equipment.
06/18 – 12/18	**INDEPENDENCE SEWER TREATMENT PLANT IMPROVEMENTS** Construction Inspector / Design Draftsman. Gordon worked with the supplier to help design plans for the replacement of ultraviolet disinfection system. He also inspected and prepared inspection reports for electrical equipment.
10/15 – 07/16	**INDEPENDENCE SEWER TREATMENT PLANT IMPROVEMENTS** Construction Inspector / Design Draftsman. Gordon worked with the engineer and supplier to help design plans for the town's new sewer treatment plants. He also inspected the installation and prepared inspection reports for electrical equipment.
01/22 - 09/22	**EAST BATON ROUGE CITY PARISH SALES TAX STREET AND ROAD REHABILITATION PROGRAM PROJECT 17-4 PRIDE-BAYWOOD, MONTERREY BLVD, 72ND ST, ROSENWALD, GRAND TETON, STREETS IN FAIRLANE, GLENOAKS PARK AND OAKCREST SUBDIVISIONS | East Baton Rouge Parish, LA** Lead Construction Inspector. Gordon coordinated with Engineer and Contractor. Oversee soil cement and asphalt patching, asphalt milling, asphalt overlay, and related items.
08/22 - Ongoing	**EAST BATON ROUGE CITY PARISH SALES TAX STREET AND ROAD REHABILITATION PROGRAM PROJECT 17-3 CONCRETE STREETS (GARDERE & CORTANA AREAS, OAK VILLA, CEDARCREST, WOODCREST, AUDUBON TERRACE & CAPITAL VIEW SUBDIVISIONS) | East Baton Rouge Parish, LA** Lead Construction Inspector. Gordon coordinates with Engineer and Contractor. Oversee concrete and asphalt roadway patching, asphalt milling and overlay, and related items.

MEETS MINIMUM LADOTD PERSONNEL REQ.

FIRM EMPLOYED BY	**GOTECH, Inc.**		
NAME	**Rhaoul Guillaume, Sr., PE, F.ASCE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**42**
TITLE	**Principal**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**10**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1971 | Civil Engineering; BA | 1971 | Mathematics**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 20083 | LA | 9/30/2024**		
YEAR REGISTERED: **1982**	DISCIPLINE: **Civil Engineer**		

Contract role(s) / brief description of responsibilities	Rhaoul's duties include client liaison, project budgeting, manpower assignments, contract administration, design supervision, production of contract documents and quality control. He is an experienced civil and structural engineer with a background in hydrographic, topographic and control surveying, project management and estimating. Rhaoul will serve as **QA/QC - SURVEY QA** for this contract.
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
04/15 - Ongoing	**ACADIAN RD ROUNDABOUT, ROUTE LA 20 (CANAL BLVD) & LOCAL ROUTES | LADOTD Contract No. 4400004485; H.009320 | Thibodaux, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH is a Sub-Consultant to Hartman Engineering.
05/18 - Ongoing	**RETAINER CONTRACT FOR ELECTRICAL SERVICES: I-10 AT CROWDER BLVD INTERSTATE LIGHTING | LADOTD Contract No. 4400002746; H.013442.5 | Orleans Parish, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH is a Sub-Consultant.
01/18 - 07/18	**PROSPECT BLVD SIDEWALKS | LADOTD Contract No. 4400010389 | Terrebonne Parish, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH is the Prime Consultant.
10/14 - Ongoing	**RETAINER CONTRACT FOR CONSTRUCTION ENGINEERING MANAGEMENT & STAFF AUGMENTATION SERVICES | LADOTD Contract No. 4400004729 | Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Martin, St. Mary and Vermillion Parishes, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH is a Sub-Consultant.
02/18 - 04/18	**NORTH KENNER PEDESTRIAN IMPROVEMENTS | LADOTD Contract No. 4400005891 | Orleans Parish, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH was a Sub-Consultant.
01/17 - 03/18	**RETAINER CONTRACT FOR ELECTRICAL SERVICES: I-10 AT MORRISON RD INTERSTATE LIGHTING | LADOTD Contract No. 4400002746; H.012602.5 | Orleans Parish, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH was a Sub-Consultant.
01/17 - 04/17	**RETAINER CONTRACT FOR ELECTRICAL SERVICES: I-10 AT READ BLVD INTERSTATE LIGHTING | LADOTD Contract No. 4400002746; H.012469.5 | Orleans Parish, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH was a Sub-Consultant.
02/15 - 09/15	**RETAINER CONTRACT FOR ELECTRICAL SERVICES: I-12 AT LA 1088 INTERCHANGE LIGHTING SURVEY | LADOTD Contract No. 4400002746; H.010720 | St. Tammany Parish, LA** Principal. Rhaoul is the client liaison and is responsible for providing the required engineering and surveying services for the project. GOTECH was a Sub-Consultant.

FIRM EMPLOYED BY	**GOTECH, Inc.**			
NAME	**Bruce Dyson, PE, PLS**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**29**
TITLE	**Engineering / Surveying Manager**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**17**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1978 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PLS No. 4670 | LA | 3/31/2024; PE No. 20162 | LA | 3/31/2024**			
YEAR REGISTERED	**1992**	DISCIPLINE	**Professional Land Surveyor | Professional Civil Engineer**	

Contract role(s) / brief description of responsibilities	Bruce is a registered Professional Land Surveyor and assists in production of surveys. His duties include project administration, civil engineering, field crew assignments, scope of work requirements, technical reviews and quality control checks. He has an extensive background of experience in performing boundary surveys, topographic surveys, hydrographic survey and construction stakeout. Bruce has supervised up to five survey crews at GOTECH working on a variety of public and private contracts such as contracts with LADOTD, US Army Corps of Engineers, Federal Aviation Administration, Parish government and parish Sewerage & Drainage Boards. Bruce will serve as **SURVEY - TASK LEAD / QC** for this contract. **Bruce meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 8**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
04/14 - Ongoing	**ACADIAN RD ROUNDABOUT, ROUTE LA 20 (CANAL BLVD) & LOCAL ROUTES | LADOTD Contract No. H.009320 | Thibodaux, LA** Engineering/Survey Manager. Bruce provides professional supervision and project management oversight for the right-of-way mapping services to support parcel acquisition required for design of a new road roundabout in Thibodeaux. Project included field property surveys performed to DOTD survey standards and parcel title work reviews of affected properties. Final right-of-way map and parcel description deliverables, along with MicroStation parcel mapping files, were reviewed and submitted in accordance with established DOTD Location and Survey delivery requirements.
10/17 - 03/18	**I-10 AT MORRISON RD INTERSTATE LIGHTING | LADOTD Contract No. H. 012602.5 | Orleans Parish, LA** Engineering/Survey Manager. Bruce provided project oversight of topographic surveys to support various interstate lighting design projects. Projects included static GPS control surveys and topographic field surveys performed to DOTD survey standards within the full limits of the highway interchange. Survey field information gathered included roadway surface features, drainage structures, designated subsurface utility locations, and structure data on elevated portions of the interstate bridge overpass. Final deliverables, and MicroStation mapping files, were certified and submitted in accordance with established DOTD Location and Survey delivery requirements.
02/14 - 11/16	**LA HIGHWAY 431 AT LA HIGHWAY 934 INTERSECTION IMPROVEMENTS | LADOTD Contract No. H.007855.5 | Ascension Parish, LA** Quality Control Reviewer. GOTECH provided topographic surveying and mapping services. Work was located on what are currently two-lane highways with narrow shoulders and adjacent open ditch drainage. GOTECH obtained field data in a format that was used in MicroStation CADD drawings with Inroads software. GOTECH mapped the data in an AutoCAD version. Topographic map showed existing features as pavement, ditches, culverts, lighting, signs, utility poles, traffic controls, driveways, and other utilities. GOTECH developed an existing drainage map for the project. Watershed covered approximately 25 acres of contributing drainage area.
10/12 - 12/14	**I-10 (LA 30 TO LA 22) | LADOTD Contract No. H.009276 | Ascension Parish, LA** Quality Control Reviewer. Project included a segment of the Interstate from LA Hwy 30 to LA Hwy 22. Cross Sections were taken from right-of-way line to right-of-way line to provide data for the Interstate widening design. Overpass details were obtained to show bridge details, bent locations, piling spacing and clearance dimensions.
09/07 - 09/13	**NEW ORLEANS SUBMERGED STREETS REPAIR-PERMANENT REPAIR TO FEDERAL AID ELIGIBLE ROADS AS A RESULT OF DAMAGE DUE TO HURRICANE KATRINA IN 2005 | LADOTD Contract No. 704-92-0036 & 704-92-0037 | New Orleans, LA** Engineering Coordinator. Bruce served as the Engineering Coordinator for this project. GOTECH provided topographic surveying, preliminary and final roadway plans, and construction support for the project streets located in Jefferson and Orleans Parishes.
02/06 - 08/11	**JOHN JAMES AUDUBON BRIDGE DESIGN/BUILD PROJECT | LADOTD Contract No. 052-02-0024 | St. Francisville, LA** Assistant Design Engineer. Bruce performed QC Reviews on the construction documents. Approx. 3.5 miles of a mainline and side-road network were designed by GOTECH. Project involved intersection designs, drainage analysis, alignment geometric designs, profile/grade analysis and cost estimating.

FIRM EMPLOYED BY	**GOTECH, Inc.**			
NAME	**Robert Price, PLS**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**5**
TITLE	**Director of Operations**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**20**
DEGREE(S) / YEARS / SPECIALIZATION	**MS | 2009 | Engineering & Technology Management, BS | 1997 | Surveying & Mapping, BS | 1993 | Industrial Technology/Building Construction**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PLS No. 4889 | LA | 3/31/2024**			
YEAR REGISTERED	**1992**	DISCIPLINE	**Professional Land Surveyor**	

Contract role(s) / brief description of responsibilities	Robert is a registered Professional Land Surveyor with more than 25 years of experience in land surveying and mapping; project management; and personnel management. He has provided surveying and utility location designation support for pipeline, road improvement, LNG facilities, oil and gas well locations, and private development projects. Robert will serve as **SURVEY - DESIGN CHECKER/DETAIL CHECKER** for this contract. **Robert meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 8**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.
04/15 - Ongoing	**ACADIAN RD ROUNDABOUT, ROUTE LA 20 (CANAL BLVD) & LOCAL ROUTES | LADOTD Contract No. 4400004485; H.009320 | Thibodaux, LA** Professional Land Surveyor. Robert is providing professional supervision and project management oversight for the right-of-way mapping services to support parcel acquisition required for design of a new road roundabout in Thibodaux. Project included field property surveys performed to LADOTD survey standards and parcel title work reviews of affected properties. Final right-of-way map and parcel description deliverables, along with MicroStation parcel mapping files, were reviewed and submitted in accordance with established LADOTD Location and Survey delivery requirements.
10/17 - Ongoing	**MOVE ASCENSION – HENRY ROAD SAFETY WIDENING (LA 73 TILLOTSON ROAD/AKINS ROAD) | Parish of Ascension DPW | Ascension Parish, LA** Project Manager. Robert is providing the topographic surveying and mapping services to support the design and right-of-way acquisition for the Move Ascension - Henry Road widening project. Project surveys were in support of new design to widen approximately 8-miles of roadway in Ascension Parish.
04/18 - 06/18	**PELTIER PARK SIDEWALKS – LOCAL ROAD SAFETY PROGRAM / SAFE ROUTES TO SCHOOL | LADOTD Contract No. 4400005891; H.012479 | Thibodaux, LA** Survey Project Manager. Robert managed the topographic survey to support design for various sidewalk, driveway and handicapped curbed ramp improvements along the perimeter of Peltier Park in Thibodaux. Project field activities included a 2,400-linear foot existing conditions and utility survey utilizing LADOTD electronic data collection standards. The final deliverables for the project consisted of detailed plan/profile sheets drawn for the project alignment.
05/17 - 07/17	**I-55 AT HWY 22 INTERCHANGE LIGHTING | LADOTD Contract No. 4400005660; H.012874.5 | Tangipahoa Parish, LA** Survey Project Manager. Robert managed the topographic and utility location survey services in support of design plans and specifications for the I-55 at LA Hwy 22 Interchange Lighting in Tangipahoa Parish. Survey crews conducted a complete topographic, elevation and utility survey within the entire limits of the I-55 Interchange with LA Highway 22. The topographic survey included data collected on the highway crossing exit/entrance ramps and elevated overpasses in addition to the location of both above ground and subsurface utilities required to facilitate design of lighting structures. All final deliverables were certified and submitted in strict accordance with LADOTD Location and Survey standards.
10/17 - 03/18	**I-10 AT MORRISON RD INTERSTATE LIGHTING | LADOTD Contract No. 4400002746; H.012602.5 | Orleans Parish, LA** Professional Land Surveyor. Robert provided supervision and project management of topographic surveys to support various interstate lighting design projects. The projects included static GPS control surveys and topographic field surveys performed to LADOTD survey standards within the full limits of the highway interchange. The survey field information gathered included roadway surface features, drainage structures, designated subsurface utility locations, and structure data on elevated portions of the interstate bridge overpass. Final deliverables, and MicroStation mapping files, were certified and submitted in accordance with established DOTD Location and survey delivery requirements.
08/03 - 10/07	**U.S HWY 165 | LADOTD | Georgetown to Tullos, Grant and LaSalle Parishes, LA** Survey Coordinator. Robert was responsible for deed research and property monument recovery in connection with the property survey along a six (6) mile section of the existing U.S. Hwy 165 roadway from Georgetown to Tullos. The survey consisted of locating and retracing the boundary lines of approximately 100 property owners. Several restorations of Public Land Survey corners were undertaken as required in the determination of boundary lines.

FIRM EMPLOYED BY	**Vectura Consulting Services, LLC**		
NAME	**Brin Ferlito, PE, PTOE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**7**
TITLE	**Supervisor**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**27**

DEGREE(S) / YEARS / SPECIALIZATION			**BS | 1988 | Civil Engineering**
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			**PE No. 25383 | LA | 09/30/2023**
YEAR REGISTERED	**1993**	DISCIPLINE	**Civil Engineering**

Contract role(s) / brief description of responsibilities	Brin will perform **TRAFFIC** for this contract.
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
07/21 - Ongoing	**EBR COMPUTERIZED TRAFFIC SIGNAL, PHASE VB | LADOTD H.007160 | Baton Rouge, LA** Task Leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
02/20 – 11/21	**I:20 LA 544 Overpass Replacement | LADOTD H.010616 | Ruston, LA** Project Manager for the Transportation Management Plan (TMP) as part of a design for a bridge replacement and three roundabouts in Ruston. The TMP was a Level 2 and included evaluation of 10 Sequence of Construction Phases. Detours included rerouting traffic to other interchanges at nighttime only, rerouting traffic from I-20 to the off ramp and on ramp at nighttime only, and rerouting traffic to service roads in vicinity of the project. Brin coordinated the queue analysis with DOTD to determine when lane closures would be allowed utilizing 24-hour tube counts. She coordinated the development of temporary traffic signal plans for this project as well.
07/19 – Ongoing	**DOTD BELLE CHASSE BRIDGE & TUNNEL REPLACEMENT PPP | LADOTD H.004791 | Belle Chasse, LA** Project Manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by LADOTD.
03/13-08/15	**CE&I FOR EBR TRAFFIC SIGNAL SYSTEMS PHASE VA CONSTRUCTION | LADOTD H.001609.6 | Baton Rouge, LA** Project Resident Engineer on behalf of DOTD and EBR to perform CE&I services for the construction of 24 traffic signals. Brin developed the project Sample Plan, maintained records of the contractor’s daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She coordinated with DOTD ITS division for fiber splicing into interstate I-110 fiber backbone and ATM/EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
07/12-03/14	**CE&I FOR EBR TRAFFIC SIGNAL SYSTEMS JEFFERSON HIGHWAY CONSTRUCTION | EBR 03-TS-CI-0026 | Baton Rouge, LA** Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. Brin maintained records of the contractor’s daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM/EOC building and processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	**CE&I for EBR Traffic Signal Systems Phase IV Construction | LADOTD SPN 013-05-0043 | Baton Rouge, LA** Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor’s daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.

FIRM EMPLOYED BY	**Vectura Consulting Services, LLC**			
NAME	**Laurence Lucius Lambert, II, PE, PTOE, PTP**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**7**
TITLE	**Supervisor**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**18**
DEGREE(S) / YEARS / SPECIALIZATION	**MBA | 2010; MS | 2006 | Civil Engineering; BS | 1997 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 29901 | LA | 03/31/2024**			
YEAR REGISTERED	**2002**	DISCIPLINE	**Civil Engineering**	
Contract role(s) / brief description of responsibilities	Laurence will perform **TRAFFIC** for this contract.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
02/21 - 03/21	**I-10 ITS SCOTT TO LAKE CHARLES | LADOTD H.013256.5 | Southwest LA** Lead Traffic Engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.
04/18 – 12/21	**LA 30 Roundabouts at Tanger & I-10 Gonzales | LADOTD H.010960.5 | Ascension Parish, LA** Quality Control Review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	**4 ROUNDABOUT: US 171 AT BOONE ST. | LADOTD H.011909.5 | Vernon Parish, LA** Quality Control Review of the temporary construction and sequence of construction plans. Laurence also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
02/14 – 06/14	**ALEXANDRIA ITS DEPLOYMENT PHASE I | LADOTD H.010193 | Alexandria, LA** Project Manager for a Level 2 Transportation Management Plan (TMP) as part of an ITS design.
01/14 – 07/14	**US 90 Z IMPROVEMENTS | LADOTD H.010719 | New Orleans, LA** Project Manager for a Level 4 Transportation Management Plan (TMP) as part of an ITS design.
02/14 – 06/14	**Baton Rouge ITS Deployment Phase III | LADOTD H.006831 | Baton Rouge, LA** Project Manager for a Level 2 Transportation Management Plan (TMP) as part of an ITS design.
04/13 – 09/13	**Sunshine Bridge ITS Deployment | LADOTD H.010138 | Ascension and St. James Parishes, LA** Project Manager for a Level 2 Transportation Management Plan (TMP) as part of an ITS design.
12/12 – 04/13	**I-210: Cove Lane Interchange TMP | LADOTD H.010151 | Lake Charles, LA** Task Leader for traffic analysis of a Level 2 Transportation Management Plan (TMP) as part of a new interchange at Cove Lane and I-20.
04/11 - 09/11	**US 90 at LA 85 Design-Build Maintenance of Traffic Plan | LADOTD SPN 424-04-0032 | Iberia Parish, LA** Traffic Engineer. Laurence developed a Maintenance of Traffic plan that accommodated the bridge and road widening, but also maintain passage of large trucks and freight through the heavily traveled corridor crucial for agricultural goods and farming. Laurence was the Lead Traffic Engineer for one of the first design-build projects undertaken by DOTD, which included the construction of a grade separated, diamond interchange to replace the existing US 90 intersections with LA 85 in Iberia Parish to upgrade this future I-49 corridor to interstate standards.

FIRM EMPLOYED BY	**Vectura Consulting Services, LLC**			
NAME	**Ronald St. Angelo**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**<1**
TITLE	**Construction Specialist**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**48**
DEGREE(S) / YEARS / SPECIALIZATION	**High School Diploma | 1975**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	

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Contract role(s) / brief description of responsibilities	Ronald is a Senior- Level Construction Specialist. Ronald will perform **CONSTRUCTION SUPPORT - INSPECTOR** for this contract. **Ronald meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 7**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
02/03 – 04/23	**JACK B HARPER ELECTRICAL, LLC | Walker, LA** Ronnie specialized in programming traffic signal controls / ITS equipment and troubleshooting construction issues in the field such as utility conflicts and traffic signal issues. He was a project manager for numerous traffic signal related projects, inspected traffic systems and prepared inspection reports, and oversaw a team of field technicians for signal related construction projects. He was an estimator for bidding traffic signal / ITS equipment projects. Ronnie worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal / ITS projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, Ronnie worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Read and interpreted construction plans to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. Assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.
07/75 – 01/03	**East Baton Rouge Traffic Engineering Division | East Baton Rouge, LA** Ronnie was a certified IMSA Level 1 & 2 Technician while employed at the City of Baton Rouge. Ronnie performed numerous construction tasks in relation to traffic signals within East Baton Rouge Parish including inspection of traffic systems and preparation of inspection reports. Construction included traffic signal poles, signal heads, signal wiring, vehicle detection, traffic signal controller / cabinet power service. In the earlier part of his career, the traffic signal controllers consisted of mechanical parts. As time progressed, the controller evolved to steady-state technology. In addition, Ronnie performed traffic signal tasks related to maintenance after damage from collisions or extreme weather. While employed in the city, Ronnie was tasked with maintaining over 300 signals that included DOTD intersections. Ronnie started his career at the City of Baton Rouge as a Technician, then Traffic Signal Technician, then Foreman and finally a supervisor. Ronnie was also responsible for programming traffic signal controllers while at the City.

MEETS MINIMUM LADOTD PERSONNEL REQ.

FIRM EMPLOYED BY	**Vectura Consulting Services, LLC**			
NAME	**David Watkins**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**<1**
TITLE	**Construction Specialist**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**35**
DEGREE(S) / YEARS / SPECIALIZATION	**High School Diploma | 1978**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	David is a Senior- Level Construction Specialist. David will perform **CONSTRUCTION SUPPORT - INSPECTOR** for this contract. **David meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 7**			

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MEETS MINIMUM LADOTD PERSONNEL REQ.

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
11/06 – 02/23	**JACK B HARPER ELECTRICAL, LLC | Walker, LA** David worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, worked projects that built intersections from the ground up, inspected traffic systems and prepared inspection reports, to include base / signal installation, signal control electrical installation, and signal termination. Read and interpreted blueprints to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. Assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.
03/01 – 10/06	**Dave’s Electric | Denham Springs, LA** David conducted electrical work on numerous residential and commercial job assignments. He was responsible for installing all wiring and electrical components as directed by site blueprints; installed all circuits and electrical items during multi-phasal construction projects (i.e rough-in; trim-out); conducted final walk-through inspection and prepared inspection reports; completed punch list items as required. David was also assigned as site lead during most job assignments.
01/96 – 04/01	**Diamond Electric Company, Inc. | Baton Rouge, LA** David performed duties as a Traffic Signal Technician Level I that included technical work in the construction, installation, maintenance, and repair of traffic signal systems. David also developed the ability to read and interpret blueprints during this time. Maintained electrical experience while working on roadways requiring traffic control. David also performed technical tasks to maintain and install all traffic signals, signal systems, signs, and associated traffic equipment. He delivered and set-up barricades for work zones, detours, and other areas in need of barricades; assisted with traffic control as needed. David performed related technical tasks; worked with contractors on the installation and relocation of traffic signals and components.

17. **Firm Experience:**

FIRM NAME	**Stantec Consulting Services Inc.**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic, Other (lighting)**
PROJECT NAME	**LADOTD IDIQ CONTRACT FOR ELECTRICAL SERVICES**			FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**N/A**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Statewide, Louisiana**			OWNER'S PROJECT MANAGER	**Agnes Fung**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access, Baton Rouge, LA 70808 | 225-379-1352 | agnes.fung@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**04/21**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**$4,000**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**Ongoing**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$4,000**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Under this 5 year, $3 million on-call contract, Stantec and its subconsultants are providing complete Survey and Engineering services to deliver LED roadway lighting projects statewide from Stage 3 Design services through Stage 5 Construction Engineering Services for DOTD.

PROJECT RELEVANCE:
- ☑ Project Management
- ☑ Photometric Calculations
- ☑ Electrical Analysis/Calculations
- ☑ Interstate Lighting Final Plans
- ☑ Light Pole Foundations
- ☑ QA/QC

As soon as a task order is issued and throughout delivery of the project, Stantec works closely with multiple stakeholders including DOTD headquarters, DOTD District, The Federal Aviation Administration, many local utilities, and the municipality or parish who will ultimately operate and maintain the lighting system. Our high level of engagement from pre-design through each milestone and into final plans ensures we are meeting both the DOTD's expectations as well as considering the long-term operability and maintainability of the lighting system. For example, task orders H.014286 and H.014272 are providing lighting for adjacent interchanges on I-10 in the City of Jennings. Stantec's designers worked diligently to make sure the lighting systems could use similar luminaires and pole configurations for ease of future maintenance despite strict restrictions from the FAA. This effort required special attention to the Jennings Airport two runway approaches at LA-26 interchange which limit the height of the proposed light poles depending on the location relative to the runway. Our aviation experts delivered vital guidance for the complex FAA Part 77 protected approach and departure surface for each of the runways. Armed with these detailed restrictions, our lighting designers were able to reduce the number of different pole heights required from the previous design and limit the number of required FAA obstruction lights to 10 out of the 77 poles. Starting with H.014286 95% plans, Stantec is adapting to DOTD's new TS-822 pay items for roadway lighting and developed technical special provisions specific to each project. Our team worked closely with DOTD to assist in development of the TSP format for clarity and consistency between projects. The following task orders are being performed under this contract:

TO H.014286.5 I-10 @ LA 26 Jennings Interchange Lighting, Jennings, LA - Design Services for removal of existing HPS lighting and design of LED lighting system including extensive coordination with FAA, photometric design, and luminaire selection to accommodate strict FAA restrictions. NTP 8/16/2021, Final plans were delivered on 3/6/2023 with design services anticipated to be completed in July 2023.

TO H.14272 I-10.5 @ LA 97 Jennings Interchange Lighting, Jennings, LA - Design Services for removal of existing HPS lighting and design of LED lighting system. NTP 2/1/2022, Final plans are scheduled to be submitted in July 2023 with design services anticipated to be completed in December 2023.

TO H.14287.5 I-10 @ LA 99 Welsh Interchange Lighting - Design Services for removal of existing HPS lighting and design of LED lighting system including extensive coordination with FAA, photometric design, and luminaire selection to accommodate strict FAA restrictions. NTP 8/1/2022, Final plans are scheduled to be completed in January 2024 with design services anticipated to be completed in June 2024.

Each of these design task orders includes delivering plans, specifications and technical special provisions, construction estimates, construction proposal, photometric report, engineering calculations for a complete lighting system. Stantec will provide construction engineering support services, such as shop drawing, submittal, Operational and Maintenance manual and as-built drawing.

TEAM MEMBERS INVOLVED: **N. WADJE, D. GOUDEAU, K. THIMMESCH, N. LYNCH, K. MANN, S. MENSAH, J. LEFANTE, K. MALPANI, J. TISDALE, B. JOHNSON, M. BRUCE**

FIRM NAME	**Stantec Consulting Services Inc.**	PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic, Other (lighting)**
PROJECT NAME	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD PROJECT**	FIRM RESPONSIBILITY (prime or sub?)	**Sub-consultant**
PROJECT NUMBER	**H.0011670**	OWNER'S NAME	**Louisiana Department of Transportation and Development**
PROJECT LOCATION	**Kenner, Louisiana**	OWNER'S PROJECT MANAGER	**Timothy Nickel**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access, Baton Rouge, LA 70808 | 225-379-1110 | timothy.nickel@la.gov**		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**08/19**	TOTAL CONSULTANT CONTRACT COST ($1,000's)	**$125,591**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**Ongoing**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)	**$9,821.8**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

This innovative design project is critical to the Greater New Orleans area, providing improved access on a local, state, regional and even international level.

PROJECT RELEVANCE:

- ☑ Project Management
- ☑ Photometric Calculations
- ☑ Electrical Analysis/calculations
- ☑ Interstate Lighting Final Plans
- ☑ Light Pole Foundations
- ☑ Construction Support
- ☑ QA/QC

Stantec is serving as the Lead Design Engineer for this Design-Build project which provides improvements to Interstate 10, Loyola Drive north of Interstate 10 (I-10), as well as improvements south of I-10 connecting to the new terminal access road for the new LANOIA north terminal facility. The proposed improvement was approved as an Alternative Technical Concept (ATC) and features a Diverging Diamond Interchange (DDI) at Loyola and I-10, as well as one-way elevated flyovers from I-10 Westbound to the southbound terminal access road lanes, and from the northbound terminal access road lanes to I-10 Eastbound. Through Stantec traffic analysis, the DDI was shown to perform better than the original alternative LADOTD proposed for the project. Predictive safety analyses were performed for the ramps and access road to ensure that safety performance will be acceptable. To support the environmental re-evaluation required for the ATC, Stantec developed roadway exhibits for the environmental process, including public meeting exhibits such as a "hot wheels" scale DDI exhibit that allowed Stantec to better communicate to meeting participants about how to "drive-thru" the DDI and learn more about how it operates. Stantec developed 3D renderings of the project during the proposal phase using OpenRoads software as the main tool to help LADOTD visualize the project from a real-life perspective.

The improvements include interstate and roadway lighting throughout the project area, including structure mounted poles on median barriers and bridge rails as well as ground mounted low mastpoles throughout the green space. The project was especially complex due to the 3 levels of overlapping roadway, numerous utility relocations, and limited right of way. The lighting design was completed in AGi32 and included veiling luminance (disability glare) and light contributions from travel lanes at higher elevations. Providing underpass lighting on the new structure also presented challenges due to long spans between columns and tall steel box girders. Stantec designed a custom fabricated mount to support these lights from the deck overhang.

In order to expedite construction, we were required to break the overall design down into several design packages. The lighting design units were Pre-Design Lighting Report, Photometric Report, and Interchange Lighting Plans. For each submittal, Stantec performed Quality Reviews by implementing their Quality Management Plan, which included reviews by the Discipline lead, Design Manager, and an Independent Reviewer for each RFC submittal.

During the construction process (currently ongoing), Stantec has been heavily involved in the construction support by reviewing Contractor shop drawings and responding to Contractor RFIs, NCRs, and design clarifications needed to assist them with making progress. We also continue to attend weekly progress meetings and quarterly partnering meetings throughout the construction. We believe our Design-Build projects have provided us with valuable experience that will enable us to perform well on the expected tasks for this IDIQ Contract.

TEAM MEMBERS INVOLVED: **M. BRUCE, D. GOUDEAU, K. THIMMESCH, N. WADJE, S. MENSAH, J. LEFANTE, M. DAVIS, B. JOHNSON, F. PHILLIPS, K. MALPANI, W. DEAN, J. TISDALE, J. KREBS**

FIRM NAME	**Stantec Consulting Services Inc.**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic, ITS, Other (lighting)**
PROJECT NAME	**Nelson Road Extension and Bridge**			FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**H.005967 (700-10-0153)**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Lake Charles, Louisiana**			OWNER'S PROJECT MANAGER	**Christina Brignac**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access, Baton Rouge, LA 70808 | 225-379-2516 | christina.brignac@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**11/10**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**$1,582.8**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**05/19**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$825.5**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Safety is a top concern for the traffic entering and leaving the Port of Lake Charles. The City, LADOTD, and the Port are relying on Stantec to help complete this project, desired for several decades, that involves building a bridge over Contraband Bayou to connect southwestern Lake Charles with downtown and the Port.

PROJECT RELEVANCE:

- ☑ Project Management
- ☑ Photometric Calculations
- ☑ Electrical Analysis/Calculations
- ☑ Light Pole Foundations
- ☑ Transportation Management Plan
- ☑ QA/QC

Having completed the Stage 0 effort, Stantec is now leading Stage 1 design services. Our first task involved extending Nelson Road north over Contraband Bayou and connecting it with Sallier Street. We developed several alternatives to resolve the safety issues with trucks negotiating the bridge to enter the Port, and the hazards of having a railway nearby. Our preferred alternative incorporates a sweeping curve from Nelson into Sallier, providing seamless access to downtown; an additional connecting roadway provides safe access to and from the Port. Our team also took the opportunity to further enhance safety, by relocating the railway of concern at the Port. We swapped its footprint with Sallier Street, reducing the number of at-grade rail crossings along the new rail alignment.


H.005967 NELSON ROAD EXT. & BRIDGE

Stantec also provided Stage 3 design services for the preliminary and final design phase of the project. This included a fixed-high level bridge with 51-foot vertical clearance along with connecting roadways at-grade. The bridge typical section will include four travel lanes with shoulders and a separated pedestrian and bicycle lane. The project includes bridge mounted navigation lighting for the channel which are supplied by utility power. A pier protection system includes additional solar powered lighting and will prevent a drifting vessel from impacting the bridge. A scour protection systems will prevent the deep-water section of Contraband Bayou near the Port from moving upstream near the bridge.

At 95% Final Plans, the City of Lake Charles requested roadway lighting be added to the project. Stantec quickly began work on modifications to the bridge design to accommodate light poles while developing photometric calculations for the road and bridge geometry. Our lighting design team worked closely with the City of Lake Charles to incorporate preferences for LED lighting and standard pole configurations to match the inventory of their maintenance contract through Entergy. The project is currently in construction and Stantec is providing Construction Related Engineering Services under a separate contract.

TEAM MEMBERS INVOLVED: **M. BRUCE, D. GOUDEAU, M. DAVIS, S. MENSAH, J. LEFANTE, B. JOHNSON, K. MALPANI, K. THIMMESCH, N. WADJE, K. MANN**

FIRM NAME	**Stantec Consulting Services Inc.**	PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic, Other (lighting)**
PROJECT NAME	**LA 30: SOUTH BLVD. TO WEST CHIMES STREET**	FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**H. 011098**	OWNER'S NAME	**Louisiana Department of Transportation and Development**
PROJECT LOCATION	**Baton Rouge, Louisiana**	OWNER'S PROJECT MANAGER	**Toby Picard**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access, Baton Rouge, LA 70808 | 225-379-1302 | toby.picard@la.gov**		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**04/15**	TOTAL CONSULTANT CONTRACT COST ($1,000's)	**$1,181.4**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**12/22**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)	**$1,181.4**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

LA 30, known in Baton Rouge as Nicholson Drive, is a commuter route that connects Louisiana State University and downtown Baton Rouge.

PROJECT RELEVANCE:

- ☑ Project Management
- ☑ Photometric Calculations
- ☑ Electrical Analysis/Calculations
- ☑ Interstate Lighting Final Plans
- ☑ Light Pole Foundations
- ☑ Construction Support
- ☑ QA/QC

The existing roadway is an urban, four-lane divided arterial with an average daily traffic ranging between 21,000 and 26,000 vehicles. The posted speed limit varies between 30 mph and 45 mph along the project limits. The existing adjoining developments include residential homes, restaurants, shops, and light commercial facilities.

This portion of the project is currently a state route, but it is intended to be transferred to the City-Parish as part of the Road Transfer Program at the completion and of construction. This corridor was identified by the City-Parish's FuturEBR masterplan as a critical infrastructure investment and development opportunity corridor. The FuturEBR masterplan is envisioned to "promote a more comprehensive and integrated transportation network that provides safe and diverse multimodal transportation options to all Louisianans regardless of geographic location, physical condition, economic status or service requirement." The corridor revitalization effort includes additional new infrastructure for residential, office, and retail space including the proposed Water Campus and River District developments, which are both located primarily on the west side of Nicholson Drive between downtown Baton Rouge and Louisiana State University.

The Stantec team was responsible for roadway, drainage, pavement marking, signs, sequence of construction, traffic signals, lighting, and bridge plans.

The lighting scope in the project included replacing the existing interstate lighting controller at the I-10 Nicholson/Highland exit ramp to meet current standards and modifying the interstate lighting circuit to cover extended ramp geometry. Our design team worked closely with Entergy for the electrical service modifications and performed short circuit, arc flash hazard, and voltage drop calculations for the modified lighting system. Stantec performed photometric calculations on the interstate ramp as well as Highland road, Oklahoma Street, and the four signalized intersections as part of the lighting design. Extensive coordination was required for utility relocations and roadway, drainage and traffic signal design to meet light levels, maintain clearances, and avoid utility conflicts. The final lighting plans included ground mounted lighting for the extended interstate ramp, utility pole mounted lights on Oklahoma Street and traffic signal pole mounted lights for the intersections.

Stantec is currently providing Construction Related Engineering Services under a separate contract for the City-Parish. As part of this effort, our team is performing detailed review of Contractor's shop drawings and equipment submittals for adherence to the contract documents. This includes review of the Contractor's photometric report for the selected light manufacture and model to ensure the design criteria are met. Stantec will also be responsible for responding to Contractor's RFIs and providing design clarifications and plan changes as needed.

TEAM MEMBERS INVOLVED: **M. BRUCE, J. LEFANTE, M. DAVIS, D. GOUDEAU, N. WADJE, B. JOHNSON**

FIRM NAME	**Stantec Consulting Services Inc.**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic, ITS, Other (lighting)**
PROJECT NAME	**State Highway 288 Toll Lanes P3 Project**			FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**CSJ 0598-01-092**	OWNER'S NAME	**TxDOT - Houston District**		
PROJECT LOCATION	**Houston, Texas**			OWNER'S PROJECT MANAGER	**Greg Snider**
OWNER'S ADDRESS, PHONE, EMAIL	**2636 South Loop West, Suite 310, Houston, Texas | 346-231-0427 | greg.snider@txdot.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**05/16**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**815,000**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**03/21**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$320.0**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

One of Texas' largest toll lane projects is really all about the connections.

Houston is booming, with new construction and development projects happening across the city at an astounding rate. Texas State Highway 288 (SH 288) is a critical north-south transportation corridor for the greater Houston metro region, and it is under the strain of the region's tremendous growth.

Enter the Texas Department of Transportation's (TxDOT) latest P3 undertaking - State Highway (SH) 288 Toll Lanes project. Its essential goal: build capacity on a busy Texas highway to accommodate evacuations and increased growth. Getting there involves a fascinating tale about innovative bridge design and intricate coordination.

SH 288 implements improved functionality over 10.3 miles along SH 288, from US 59 to the Harris/Brazoria County line at Clear Creek, by constructing new toll lanes, installing toll infrastructure, and establishing toll operations and maintenance. The project also includes a majority conversion of all existing high mast and low mast HPS light fixtures to LED fixtures and significant relocation/re-design of lighting throughout the corridor. Photometric analysis was performed on all new and existing travel lanes.

PROJECT RELEVANCE:

- ☑ Project Management
- ☑ Photometric Calculations
- ☑ Electrical Analysis/Calculations
- ☑ Interstate Lighting Final Plans
- ☑ Light Pole Foundations
- ☑ Transportation Management Plan
- ☑ Construction Support
- ☑ QA/QC

Stantec is serving as Lead Design Engineer on this project to reconstruct two interchanges with 610 and BW8 while operating and maintaining existing traffic and building new bridges at the same time. The project included the design, construction, maintenance, and operation of the general-purpose lanes and associated facilities along SH 288, the addition of four tolled lanes within the median of SH 288, eight direct connectors at the Beltway 8 Interchange, major interchange work at IH 610, direct connectors to Holcombe Boulevard near Texas Medical Center, and the addition of a future general purpose lane (per direction) along SH 288 between IH 610 and Beltway 8. Coordination with several utility companies such as HCTRA, BCTRA, City of Houston, was essential to the projects success. The design was accomplished in approximately 9-12 months with 15 teams and 10 subconsultants. In all, the project includes 42 new bridges and the rehabilitation of 13 bridges, totaling 1.8 million sq. ft. of bridge deck and 418 spans.

Stantec provided Construction Related Engineering Services including shop drawing review, responses to contractor RFIs and plan changes as required by the construction process. The contractor has faced significant challenges in phasing and coordination with other projects, requiring significant involvement by the design engineers to maintain the project schedule. This frequently included revising photometric calculations to re-locate high mast tower lighting to facilitate adjustments to the sequence of construction.

TEAM MEMBERS INVOLVED: **M. BRUCE, M. DAVIS, D. GOUDEAU, M. KALB, K. THIMMESCH, B. JOHNSON, N. WADJE, K. MALPANI**

FIRM NAME	**Vectura Consulting Services, LLC**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**CE&I/OV**
PROJECT NAME	**EBR COMPUTERIZED TRAFFIC SIGNAL, PH VB**			FIRM RESPONSIBILITY (prime or sub?)	**Sub**
PROJECT NUMBER	**H.007160**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**East Baton Rouge Parish, LA**			OWNER'S PROJECT MANAGER	**Desmond Sam, PE**
OWNER'S ADDRESS, PHONE, EMAIL	**8100 Airline Highway, Baton Rouge, LA 70815 | (225) 231-4123 | Desmond.Sam@LA.GOV**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**01/21**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**$603.989**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**Ongoing**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$93.368**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Vectura is a sub-consultant to provide traffic signal equipment inspection for 24 traffic signals under the following scope:

- Signal Equipment Inspection (2 visits per intersection), Tracking the Sampling and Testing of required Traffic Signal Materials / Attend and Review Fiber Optic Test Results
- Coordinate Review and Approval of all Shop Drawings
- Provide Traffic Signal Support Services / Troubleshoot traffic signal equipment related problems such as foundation / utility conflicts / Field visits (10 months)
- Assist in preparing Change Orders for DOTD / City Parish (2 Separate Forms)
- Attend Monthly Progress Meetings Assist with Monthly Progress Meeting Agenda & Minutes (10)
- Compile As-built Plans from Contractor
- Final Inspection Field Visit to all intersections / Assist with developing punch list / Final Field Visit verification

TEAM MEMBERS INVOLVED: **B. FERLITO, L. LAMBERT**

FIRM NAME	**Vectura Consulting Services, LLC**		PAST PERFORMANCE EVALUATION CATEGORY(IES)*		**Traffic, CE&I/OV**
PROJECT NAME	**BELLE CHASSE BRIDGE & TUNNEL REPLACEMENT PPP**		FIRM RESPONSIBILITY (prime or sub?)		**Sub**
PROJECT NUMBER	**H.004791**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Belle Chasse, LA**		OWNER'S PROJECT MANAGER		**Nickolas Olivier, PE**
OWNER'S ADDRESS, PHONE, EMAIL	**8100 Airline Highway, Baton Rouge, LA 70815 | (225) 379-1133 | Nicholas.olivier@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**04/19**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**N/A**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**Ongoing**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$211.890**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Vectura is providing the traffic engineering services for the Belle Chasse Bridge & Tunnel Replacement Project for improvements along LA 23. Vectura is responsible for the following tasks:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Assist the Prime with Traffic Management Plan (TMP)
- Response to request for information (RFI's)
- As-built plans for the traffic signals

TEAM MEMBERS INVOLVED: **B. FERLITO, L. LAMBERT**

FIRM NAME	**Vectura Consulting Services, LLC**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Traffic**
PROJECT NAME	**I-10 ITS SCOTT TO LAKE CHARLES**			FIRM RESPONSIBILITY (prime or sub?)	**Sub**
PROJECT NUMBER	**H.013256.5**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**I-10 (District 07), LA**			OWNER'S PROJECT MANAGER	**Roy Esteven, PE**
OWNER'S ADDRESS, PHONE, EMAIL	**8100 Airline Highway, Baton Rouge, LA 70815 | (225) 379-2527, Roy.Esteven@LA.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**01/21**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**N/A**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**03/21**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$20,162**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Vectura performed a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- Safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies

TEAM MEMBERS INVOLVED: **B. FERLITO, L. LAMBERT**

FIRM NAME	**GOTECH, Inc.**		PAST PERFORMANCE EVALUATION CATEGORY(IES)*		**Survey**
PROJECT NAME	**IDIQ Contract for Design of Safety Projects Statewide with Majority of Work in District 02, 61 & 62**		FIRM RESPONSIBILITY (prime or sub?)		**Sub**
PROJECT NUMBER	**4400015484**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Statewide, Louisiana**		OWNER'S PROJECT MANAGER		**Mark Chenevert**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access, Baton Rouge, LA 70808 | 225-379-1591 | mark.chenevert@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**01/20**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**N/A**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**05/20**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$84**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

GOTECH, Inc. provided topographic and utility location survey services in support of design plans and specifications for a complete lighting system for the I-10 at Read Boulevard Interchange in Orleans Parish.

Survey crews conducted a complete topographic, elevation and utility survey within the entire limits of the I-10 Interchange with Read Boulevard. The topographic survey also included the location of both above ground and subsurface utilities. In addition, gathered survey data included information on the highway crossing exit/entrance ramps and elevated overpasses to facilitate lighting designs under elevated portions of I-10. All final deliverables were certified and submitted in strict accordance with DOTD Location and Survey standards.

GOTECH provided topographic survey in support of design for the closing of an existing ditch and installation of a sidewalk/multi-use path and handicapped ramps on a roadside design project. The survey was along Bootlegger Road (LA Hwy 1085) from Coquille Park to White Chapel Road. The overall length of the survey was approximately 3,600 feet.

TEAM MEMBERS INVOLVED: **R. GUILLAUME, R. PRICE**

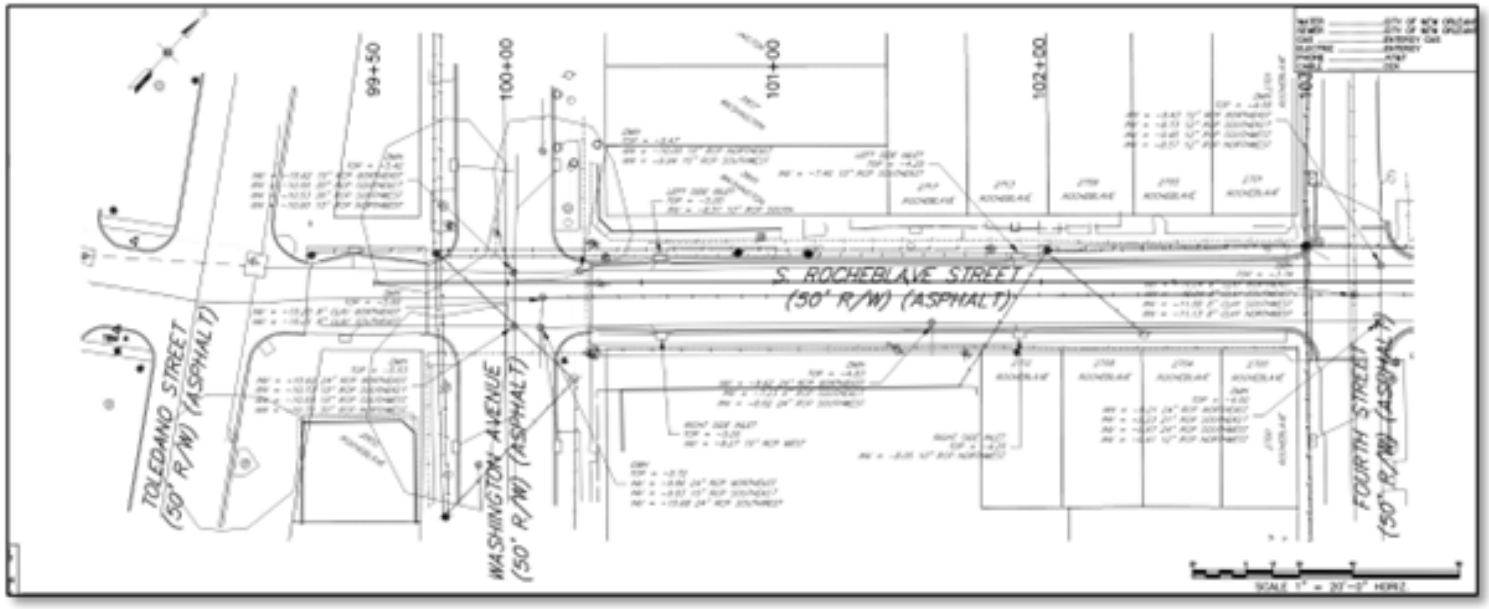
FIRM NAME	**GOTECH, Inc.**	PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Survey**
PROJECT NAME	**New Orleans Street Rehab (Central City Group A)**	FIRM RESPONSIBILITY (prime or sub?)	**Sub**
PROJECT NUMBER	**PW#7124804**	OWNER'S NAME	**City of New Orleans**
PROJECT LOCATION	**Orleans Parish, Louisiana**	OWNER'S PROJECT MANAGER	**Francis Berger, PE**
OWNER'S ADDRESS, PHONE, EMAIL	**1300 Perdido Street, Suite 6W03, New Orleans, LA 70112 | 225-303-7632 | francisb@flymsy.com**		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**01/18**	TOTAL CONSULTANT CONTRACT COST ($1,000's)	**$298**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**07/22**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)	**$298**

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

As part of the Capital Improvements Program to restore damaged infrastructure in New Orleans, GOTECH is assisting Fenstermaker in providing topographic surveying, preliminary and final design for streets identified as Central City Group A.

Topographic surveys were completed for 2nd Street and South Rocheblave Street. Design services include preliminary and final plans for full roadway reconstruction including new storm drainage, sewer and water line replacements. Final design will include final construction plans, specifications and cost estimates for a complete bid package.

TEAM MEMBERS INVOLVED: **B. DYSON, R. GUILLAUME, R. PRICE**



18. **Approach and Methodology:**

OUR APPROACH - BETTER TOGETHER

Stantec was founded in 1954 and has grown to become a top-tier global design firm with an established presence in Louisiana since 1985. Stantec will execute task orders under this contract with assistance from two partners that we work with extensively. GOTECH, Inc. (GOTECH), will provide land surveying services as they have for numerous DOTD projects, including interstate lighting projects. Vectura, LLC (Vectura) will provide assistance with Transportation Management Plans, of which they have done many for DOTD over the years and will provide Electrical Inspectors during Construction Services Task Orders. Both firms are certified Disadvantaged Business Enterprises and together will be performing at least 7% of the project work under this IDIQ if the Stantec team is selected.

Stantec will lead this contract with Electrical and Lighting experts from our local office in Baton Rouge with the ability to draw upon our Electrical and Lighting experts stationed around the US if needed. Stantec has a proven track record with Indefinite Delivery/Indefinite Quantity contracts through DOTD; since early 2000, we have held an IDIQ or Retainer contract with DOTD's ITS group and are currently delivering task orders under an Electrical and Lighting IDIQ that has been underway since 2021. The Stantec team includes experienced designers, engineer interns, and engineers specializing in electrical, lighting, survey, traffic safety, and structural work. Our Project Manager and Electrical Design Task Lead has 7 years' experience delivering task orders under DOTD Electrical Design IDIQ Contracts. Our team is made up of multiple experts with even longer histories with DOTD Bridge Design Electrical, meeting all minimum personnel requirements. One of Stantec's core values is "better together" and we have assembled the best team to serve DOTD's needs.

Stantec and DOTD are better together. In all work Stantec performs with DOTD's Bridge Design Electrical Group, we understand that our plans and deliverables will be held to high standards and must conform to various standards including the Bridge Design and Evaluation Manual, Software and Deliverable Standards for Electronic Plans, and the National Electrical Code. Stantec will adhere to all guidance given by other documents like DOTD's Guide to Constructing, Operating, and Maintaining Highway Lighting Systems and Illuminating Engineering Society Lighting Standards as well as other applicable codes and standards such as the US Federal Highway Administration regulations. **DOTD's Bridge Design Electrical Section has developed a comprehensive set of standards for plan presentation and design for electrical projects; the Stantec team is familiar with executing electrical projects for DOTD in this manner and will continue to exceed expectations in producing plans and deliverables for this contract.**

On our team, Stantec has included multiple Traffic Engineers who will prepare Transportation Management Plans as needed and consult on any design work to ensure that our designs allow for ease of traffic management and maintenance in the future. Our team has completed all training courses required for this contract; section 20 of this proposal includes all relevant training certificates, and a summary of the information is included in our organizational chart in Section 14. Stantec maintains high standards for safe work practices both on and off the field and enforces rigorous safety procedures that are always evolving within our organization. At Stantec, we believe in being SaferTogether™—looking out for the health and safety of ourselves and those around us, whether we are at work, at home, or in our communities. As a leader in the transportation sector, we strive to implement transportation solutions that improve the safety and well- being of our community in Louisiana and across the nation.

OUR METHODOLOGY - PLAN THE WORK, WORK THE PLAN

Stantec as an organization has achieved an ISO 9001 rating, meaning we adhere to strict quality management principles and have a strong customer focus. Accordingly, all deliverables are put through our rigorous internal QC/ QA in order to provide you with our complete and best work at each submittal stage. This QC/ QA process is described in detail in Section 21 in the QC/ QA Plan and complies with the latest Bridge Design Evaluation Manual, Part I, Chapter 3 requirements. A typical project delivery cycle from inception to construction is shown in our concept schedule on the following pages.

Throughout all stages of the project, Stantec will proactively manage each related task order using written reports, schedules and coordination meetings. **The Stantec project management team will communicate early and often with DOTD about the project status, any upcoming challenges or concerns and opportunities for value add if they are identified.** We take this time to coordinate with DOTD Electrical regarding any project challenges or risks that we have identified. A key risk that we begin mitigating from the project kickoff is owner acceptance. The lighting systems developed by this IDIQ are ultimately owned an operated by municipalities and parishes throughout the state. We engage this entity throughout the design process to ensure the lighting system can be easily maintained and operated for the life of the equipment. The early stages of a design task are crucial for setting the project up for success later.

PROJECT UNDERSTANDING AND SCHEDULE

Stantec is prepared to perform a variety of Task Orders under this IDIQ, following the general sequence and key tasks shown below. Typically starting with Preliminary Design through Construction Acceptance, Stantec will deliver the interim plan stages and deliverables required by each task order scope for DOTD. However, our team can step in at any stage in the project delivery process and see the project through final acceptance. The Stantec project team members have performed each of these on numerous occasions for lighting, electrical and ITS projects both for Louisiana DOTD and many other agencies across the US.

PROJECT MANAGEMENT

PROJECT MANAGEMENT

Throughout all stages of the project, Stantec will proactively manage each related task order using written reports, schedules and coordination meetings. The Stantec project management team will communicate early and often with DOTD about the project status, any upcoming challenges or concerns and opportunities for value add if they are identified. We take this time to coordinate with DOTD Electrical regarding any project challenges or risks that we have identified. The early stages of a design task are crucial for setting the project up for success later.

Key Tasks:
- ✓ Stakeholder Management - DOTD HQ, DOTD (Municipality/ Parish) District, Utilities and Permitting Agencies
- ✓ Risk Management - During all phases
- ✓ Budget, Schedule and Contract Monitoring and Reporting

PRELIMINARY DESIGN TASKS (AS NEEDED)

◆ ***Key item - Separate Task Order(s) Received or Combined with Design Task order***

Preliminary Plans

On an as-needed basis, Stantec will provide services during preliminary plans design, typically for other bridge or roadway projects to include lighting. It is critical to include lighting elements early during plans design to avoid delays and redesign during Final Plans. With early involvement, Stantec can provide any recommended geometry changes or design consideration for the feasibility of the lighting system before preliminary plans are complete.

Key Tasks:
- ✓ Coordinate with Roadway and other disciplines for preliminary lighting design
- ✓ Early coordination with stakeholders (Municipality/Parish) and utilities to avoid conflicts
- ✓ Early coordination with permitting agencies (FAA, USCG, Railroads)

Survey

A GOTECH survey provides an excellent foundation for lighting design, including accurate roadway geometry of the current, existing conditions in the field, accurate location of existing lighting elements, and detailed information on existing utilities and obstructions. Identification of these items is crucial for completion of an accurate lighting design.

Key Tasks:
- ✓ Provide topographic survey in state plane coordinates per survey unit requirements
- ✓ Identify key design locations (knockdowns, runoffs, broken shoulders/curbs)

FINAL DESIGN TASKS (TYPICAL SCOPE)

◆ ***Key item - Design Task Order Received***

Preliminary Design Tasks

The design phase solidifies the final project configuration through field work and further coordination with DOTD. Early in project development, we will develop a list of project design criteria including applicable codes; this document will form the basis of design and the start of our future calculation package deliverable.

Key Tasks:
- ✓ Early design coordination with stakeholders (Municipality/ Parish) and utilities, permitting agencies (FAA, USCG, Railroads)
- ✓ Initial site inspections
- ✓ Detail Project Design Criteria

30% Plans

Typically, 30% Plans design begins at the same time as the topographic survey to avoid potential project delays. Immediately upon completion of the survey, photometric design will commence in preparation for 60%A plans.

Key Tasks:
- ✓ Complete first ProjectWise plan submittal and resolve technical issues
- ✓ Submit preliminary cost estimates
- ✓ Begin Photometric Analysis

Photometric Design - 60%A Photometric Report

Final Photometric Design is completed and submitted to DOTD as 60%A in a Photometric Report created to meet DOTD standards for lighting design and report format. Report includes all detail required to receive approval from DOTD HQ on light locations and lights will typically not be relocated after this stage.

Key Tasks:
- ✓ Site Verification of Photometric layout including problem areas identified during site inspections or survey
- ✓ Submission of photometrics in conformance with DOTD standards for approval before moving to next phase

Continues to next page

PROJECT MANAGEMENT

FINAL DESIGN TASKS (TYPICAL SCOPE)

60%B Plans

Once 60% Plans work has begin, Stantec focuses on ensuring that the plans clearly portray the lighting layout designed in the photometric report and any existing utilities or conflicts that have been discovered in the field. We also begin some preliminary calculations to ensure that our design is feasible with the identified utility service available.

Key Tasks:
- ✓ Conduct constructability review and site inspection with final light locations approved during photometric stage
- ✓ First detail meeting with stakeholders, future owners, DOTD District and utility to address light locations
- ✓ Submit permits to FAA based on final light locations approved during photometric stage

95% Plans (PQU)

At 95% Plans, while the electrical team continues design work and prepares to submit the first official calculation package, the structural team will begin working on the foundations and pole designs required for the lighting layout. The project manager will also continue coordination and especially focus on preparing the plans and specifications for review by the Plan Quality Unit and various DOTD departments as required at 95% plans submittal.

Key Tasks:
- ✓ Confirm utility agreements, permits received, owner and DOTD district approvals
- ✓ Perform structural analysis and design
- ✓ Perform voltage drop, fault current, conduit fill calculations
- ✓ Prepare short circuit and arc flash preliminary report
- ✓ Prepare Transportation Management Plan
- ✓ Prepare Technical Special Provisions and Plans for review by PQU

98% Plans (CCS)

Finally, the 98% Plans submittals should be the accumulation of all comments received, especially from the PQU, field investigations performed, and design work completed throughout this task order. Stantec will submit these plans as unsigned final plans with no outstanding work remaining. We will also submit Special Provisions, final design documents and finalize any permits required for construction in order to ensure that the construction plans and proposal are complete and the letting process will go smoothly.

Key Tasks:
- ✓ Response to PQU comments
- ✓ Submit final calculations, special provisions, plans and documents as required for Construction Proposal and Plans for Letting

100% Plans

Until 100% Final plans are submitted, Stantec will be highly responsive to DOTD and other stakeholder comments, updating plans and documents as needed throughout this process.

Key Tasks:
- ✓ Conduct constructability review and site inspection with Response to CCS and other comments
- ✓ Submit final calculations, special provisions, plans and documents as required for Construction Proposal and Plans for Letting

Plan Delivery and Post-Plan Support

Upon completion of the final design plans, our design team remains available on the task order to assist with the DOTD letting process including bid RFIs and bid analysis.

Key Tasks:
- ✓ Respond to Bid RFIs
- ✓ Perform Bid Analysis

◆ ***Key item - Design Task Order Completed***

CONSTRUCTION ENGINEERING TASKS (TYPICAL SCOPE)

◆ ***Key item - Construction Task Order Received***

Provide Construction-Related Engineering Services

Once Design services are complete, typically Stantec will provide Construction Related Engineering Services. Upon receipt of a construction task order, the Stantec project manager will assemble the support team who will be utilized to support construction related engineering services. Our engineers of record will remain heavily involved to make sure the project is constructed according to plans and design intent, while our experienced field personnel will provide additional perspective on the construction methods and code compliance. During construction, Stantec's main focus will be monitoring the project progress and identifying and mitigating project risks.

Key Tasks:
- ✓ Shop Drawings and Equipment Submittals/RFIs
- ✓ Short Circuit and Arc Flash Hazard Analysis
- ✓ O&M, As-Builts Review
- ✓ Field Inspections
- ✓ Pre-Final and Final Inspections

◆ ***Key item - Construction Task Order Completed***

19. **Workload:**
For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:
1) one of the team's firms is responsible for the performance of the work;
2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
3) the work has not yet been performed and invoiced; and
4) the work is not currently suspended for an indefinite period of time.
For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually. List only the portion of the fees attributable to the firms on the team.

FIRM(s) All firms must be represented in this table	Past Performance Evaluation Discipline(S)*	CONTRACT NUMBER AND STATE PROJECT NUMBER	PROJECT NAME	REMAINING UNPAID BALANCE**
Stantec Consulting Services Inc.	Bridge	S. P. No. 700-99-0430	Retainer Contract for Bridge Preservation [Statewide, Louisiana]	
			T.O. 701-65-1018 Bayou Tech Bridge	$1,053
Stantec Consulting Services Inc.		Contract No. 4400024629 S. P. No. H.005967.6	Nelson Road Ext. Bridge [Calcasieu Parish, Louisiana]	
	CE&I/OV		CE&I and Construction Support	$500,896
	Roadway		Striping Pln. Changes	$4,610
	Other/Lighting		Roadway & Nav. Lighting	$44,762
Stantec Consulting Services Inc.		Contract No. 440004128 S. P. No. H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]	
	Planning		Prog. Mgmt.; Context Sensitive Design Process; Impl. Strategies	$1,264,755
	Traffic		Traffic Engineering	$144,327
	ITS		ITS	$16,585
	Road		Geometric Design/Analysis	$164,122
	Bridge		Structure & Bridge	$526,918
	ROW		ROW Acquisition	$85,420
	Survey		Survey	$22,731
	Other/PR; Ltg; Av.		Public Relations/Comm.; Lighting; Aviation	$80,419
Stantec Consulting Services Inc.	Other/Lighting	Contract No.4400011353 S. P. No. H.014302.6	IDIQ Contract for Electrical Services (Sub to Buchart Horn, Inc.) [Statewide, LA]	
			H.014302.6 US 165 Roadway Lighting [Ouachita Parish]	$20,285
Stantec Consulting Services Inc.		S. P. No. H.011670	Loyola Dr./I-10 Interchange to New Airport Terminal Design Build (Sub to Gilchrist Co., LLC) [Jefferson Parish]	
	Road		Roadway	$165,367
	CE&I/OV		CE&I/OV	$191,165
	Bridge		Bridge	$95,263
	Other/Lighting		Aesthetic Lighting	$157,789

Stantec Consulting Services Inc.	Traffic/ITS	Contract No.4400020058	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services [Statewide, Louisiana]	
			H.013710.6 I-10: US-61 to Laplace ITS Deployment [Ascension, St. James & St. John Parishes]	$10,187
			H.002424.5 LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	$427
			H.015136 Statewide ITS Architecture Update [Statewide]	$57,883
			H.013261.6 I-110 ITS Deployment [EBR Parish]	$23,537
			H.011152.6 I-12: US 190 to LA 59 [St. Tammany Parish]	$36,035
			H.013866.6 I-12: LA 21 to US 190 [St. Tammany Parish]	$29,784
			H.003047.6 I-10: Pecue Lane/I-10 Interchange Phase III [EBR Parish]	$42,076
			H.002424.6 LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	$29,249
			T.O. 16 I-10 WBR Queue Warning System [Iberville & WBR Parishes]	$237,863
Stantec Consulting Services Inc.	Other (Lighting)	Contract No. 4400020064	IDIQ Contract for Electrical Services [Statewide, LA]	
			H.014286.5 I-10: LA 26 (Jennings) Interchange Lighting [Jefferson Davis Parish]	$1,207
			H.014272.5 I-10: LA 97 (Jennings) Interchange Lighting [Jefferson Davis Parish]	$38,439
			H.014287.5 I-10: LA 99 (Welsh) Interchange Lighting [Jefferson Davis Parish]	$93,175
Stantec Consulting Services Inc.		Contract No. 4400024461 S. P. No. H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]	
	Traffic		Traffic Study; Signal Design	$147,344
	Road		Roadway Design	$273,281
Stantec Consulting Services Inc.		Contract No. 4400022901 S. P. Nos. H.011094.5	LA 3094: Hearne Ave. Bridge: KCS RR Overpass (HBI) [Caddo Parish]	
	Road		Roadway	$710,695
	Bridge		Bridge	$799,492
Stantec Consulting Services Inc.		S. P. No. 700-09-0171	I-49 Inner City Connector (From I-49/I-20 Interchange to I-49/I-220 Interchange) [Caddo Parish]	
	Traffic		Traffic Engineering	$60,386
	Bridge		Bridge	$202,077
Stantec Consulting Services Inc.	Survey	Contract No. 4400023972	IDIQ Contract for Cultural Resources	
			H.014197.5 Phase I Cultural Resources Survey [Tensas Parish]	$30,000
Stantec Consulting Services Inc.	Right-of-Way	Contract No. 1 S. P. No. H.011670	State of LA, DOTD versus 2845 Loyola Blvd., LLC ET AL [Jefferson Parish]	
			Right-of-Way Expert Witness	$6,050

GOTECH, Inc.	CE&I/OV	Contract No. 4400004631 Task Order No. H.003107.6	Retainer Contract for Construction Engineering Management and Staff Augmentation Services for District 62 (St. Helena, Livingston, St. John, Tangipahoa, Washington & St. Tammany Parishes)	
			*Task Order No. 1	$0
			*Task Order No. 2	$171,520
GOTECH, Inc.	CE&I/OV	Contract No.4400017006; Task Order No. H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	$308,488
GOTECH, Inc.	CE&I/OV	Contract No.4400017430; Task Order No.H.001498.6	LA 24 & 316: Company Canal Bridge CE&I (Terrebonne Parish)	$304,467
GOTECH, Inc.	Planning	Contract No.4400017327	IDIQ Innovative Procurement & Alternative Delivery Support Services, Statewide	$ 74,052
GOTECH, Inc.	CE&I/OV	Contract No.4400019950 Task Order No.H.003003 Task Order No.H.002151	IDIQ Contracts for Construction Engineering & Inspection Services, Statewide w/ Majority of Work in District 03 (Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Martin, St. Mary & Vermilion Parishes)	
GOTECH, Inc.			*Task Order No. 1	$0
GOTECH, Inc.			*Task Order No. 2	$68,000
GOTECH, Inc.	CE&I/OV	Contract No.4400019550 SPN: H.001234	LA 1: Port Allen Canal Bridge Replacement Phase 1 (HBI) (CE&I) Route LA 1 (West Baton Rouge Parish)	$508,783
GOTECH, Inc.	CE&I/OV	Contract No. 4400023074	IDIQ Contract for Construction, Engineering & Inspection & Staff Augmentation - Pecan Island Rd - District 61 (Hammond)	$
GOTECH, Inc.			Task Order No. H.010725	$0
GOTECH, Inc.			Task Order No. H.012465	$66,105
GOTECH, Inc.			Task Order No. H.014694.6	$45,933
GOTECH, Inc.	Survey	Contract No.4400017068	Louisiana Watershed Initiative (LWI) Modeling Contract Region No. 2	$169,755
GOTECH, Inc.	Survey	Contract No.4400017069	Louisiana Watershed Initiative (LWI) Modeling Contract Region No. 3	$49,668
Vectura Consulting Services, LLC	Traffic	H.010616	I-20: LA 544 Overpass Replacement	$124,583
Vectura Consulting Services, LLC	Traffic	H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	$15,068
Vectura Consulting Services, LLC	Traffic	H.005168.2	New Orleans Rail Gateway Avondale EA	$147,225

Vectura Consulting Services, LLC	CE&I	H.007160	EBR Computerized Traffic Signal, Ph VB	$47,412
Vectura Consulting Services, LLC	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
Vectura Consulting Services, LLC	Traffic	H.012030.5	KCS RR Overpasses HBI	$28,026
Vectura Consulting Services, LLC	ITS	H.011504.5	Alexandria ITS Phase 2	$14,305

DO NOT SUM

(Add rows as needed)

*The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, please place N/A in the remaining unpaid balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. **Certifications/Licenses:** If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
NFPA 70, National Electrical Code (NEC) (2023)
Online Training Series

NISHANT WADJE

Completion Date: May 22, 2023
CEUs: 1.0 or 10 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Derrick Goudeau
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/5/2020 to 8/6/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Joseph Lefante
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/24/2022 to 6/24/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nishant Wadje
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/5/2020 to 8/6/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

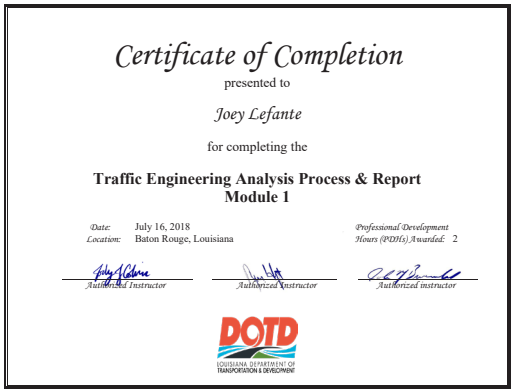
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

2018 NFPA 70E: Standard for Electrical Safety in the Workplace Series
Online Training
Certificate of Completion

Derrick Goudeau
Completion Date: 6/7/2018
.7 CEUs



Certificate of Completion

presented to

Joey Lefante

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nishant Wadje
has attended
Traffic Control Technician-LA State Specific
Training Course

8/4/2020 to 8/4/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2020 NFPA 70: National Electrical Code (NEC) Online Training Series

DERRICK GOUDEAU

Completion Date: December 16, 2020
CEUs: 1.0 or 10 hours

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Derrick Goudeau
has attended
Traffic Control Technician-LA State Specific
Training Course

8/4/2020 to 8/4/2020
Date

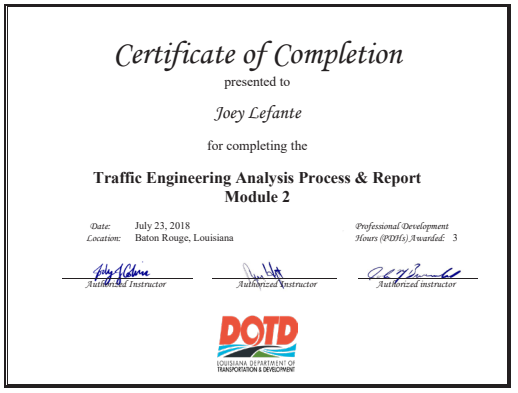
Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Joey Lefante

for completing the

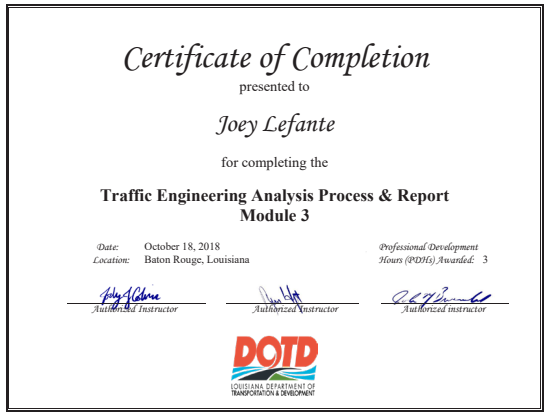
Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Joey Lefante

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Katherine Thimmesch
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

8/5/2022 to 8/5/2026
Training Valid Through

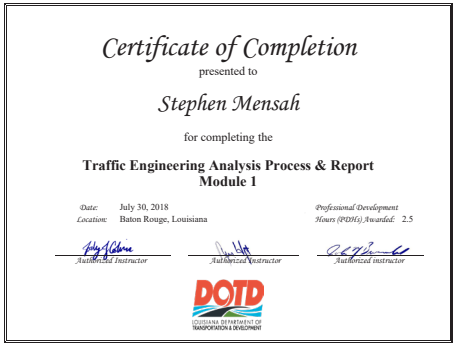
Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Stephen Mensah

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2020 NFPA 70: National Electrical Code (NEC) Online Training Series

KATHERINE THIMMESCH

Completion Date: December 17, 2020
CEUs: 1.0 or 10 hours

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nicholas Lynch
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/3/2022 to 8/3/2026
Training Valid Through

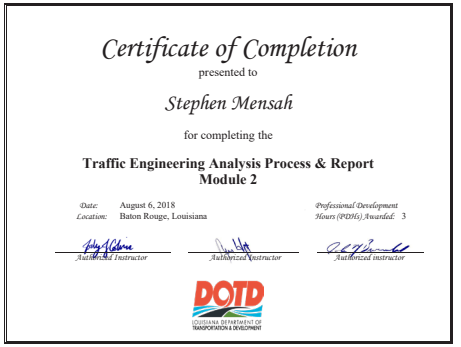
Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Stephen Mensah

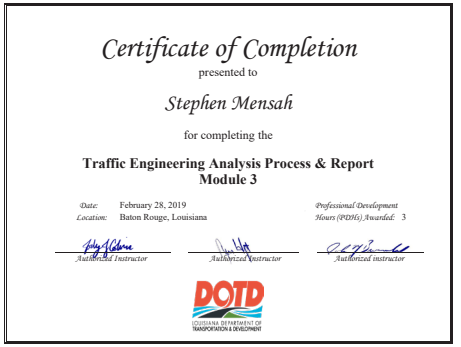
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Stephen Mensah

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: February 28, 2019
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
NFPA 70E: Standard for Electrical Safety in the Workplace (2018) Online Training Series

KATHERINE THIMMESCH

Completion Date: December 17, 2020
CEUs: .7 or 7 hours

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nicholas Lynch
has attended
Traffic Control Technician-LA State Specific
Training Course

8/2/2022 to 8/2/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Stephen Mensah
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/24/2022 to 6/24/2026
Training Valid Through

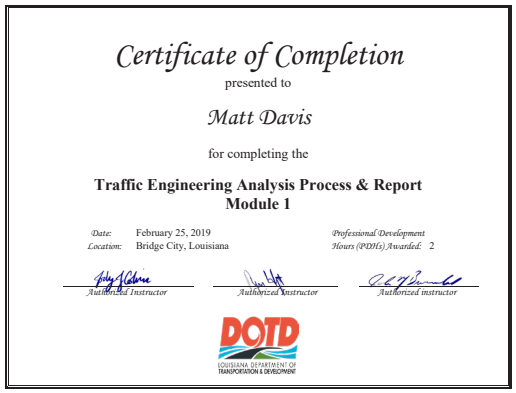
Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Matt Davis

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jacob Tisdale
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

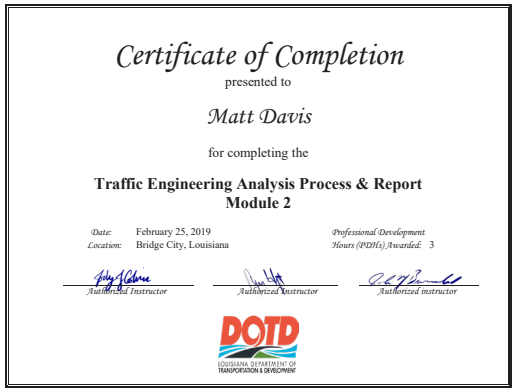
CERTIFICATE OF COMPLETION
NFPA 70E: Standard for Electrical Safety in the Workplace (2018) Online Training Series

WES DEAN

Completion Date: December 7, 2020
CEUs: .7 or 7 hours

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.



Certificate of Completion

presented to

Matt Davis

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jacob Tisdale
has attended
Traffic Control Supervisor-LA State Specific
Training Course

11/30/2022 to 11/30/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2020 NFPA 70: National Electrical Code (NEC) Online Training Series

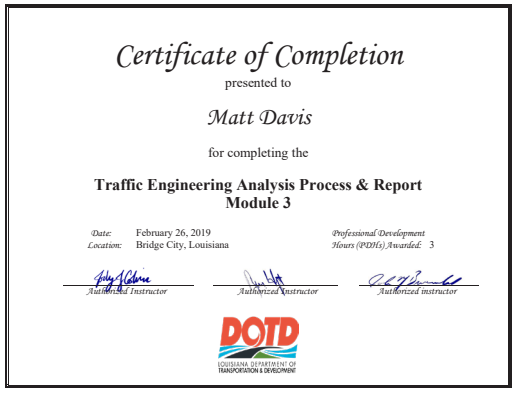
FRANK PHILLIPS

Completion Date: October 27, 2022
CEUs: 1.0 or 10 hours

ACCREDITED IACET PROVIDER NFPA EDUCATION NETWORK TRAINING

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.



Certificate of Completion

presented to

Matt Davis

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: February 26, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2020 NFPA 70: National Electrical Code (NEC) Online Training Series

WES DEAN

Completion Date: December 3, 2020
CEUs: 1.0 or 10 hours

President, National Fire Protection Association

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NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

FRANK PHILLIPS

Completion Date: November 1, 2022
CEUs: .6 or 6 hours

ACCREDITED IACET PROVIDER NFPA EDUCATION NETWORK TRAINING

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Frank Phillips
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/3/2022 to 8/3/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

RTA DOTD

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Gotech, Inc.

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541330, NC541340, NC541370, NC541618

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: June 2022 to June 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Price
has attended
Traffic Control Technician-LA State Specific
Training Course

6/21/2022 to 6/21/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION

2020 NFPA 70: National Electrical Code (NEC) Online Training Series

GORDON MOSHER

Completion Date: March 9, 2023
CEUs: 1.0 or 10 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

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PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bruce K Dyson
has attended
Traffic Control Technician-LA State Specific
Training Course

6/21/2022 to 6/21/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Price
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION

2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

GORDON MOSHER

Completion Date: March 16, 2023
CEUs: .6 or 6 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bruce K Dyson
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association

This is to affirm that

BRUCE DYSON

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/4/2022 Debbie Purcella
Instructor Name

Exp. Date 8/4/2026 Debbie Purcella
Instructor Signature

State Issued LA

V0000058731 Verify at Flagger.com

ATSSA American Traffic Safety Services Association

This is to affirm that

ROBERT PRICE

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/12/2022 Debbie Purcella
Instructor Name

Exp. Date 8/12/2026 Debbie Purcella
Instructor Signature

State Issued LA

V0000058875 Verify at Flagger.com

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Vectura Consulting Services, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC488490, NC541330, NC541340

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: June 2022 to June 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brin Ferlito
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

David Watkins

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 11/31/2024 State Issued in LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

David Watkins
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

12/4/2020 to 12/4/2020
Date

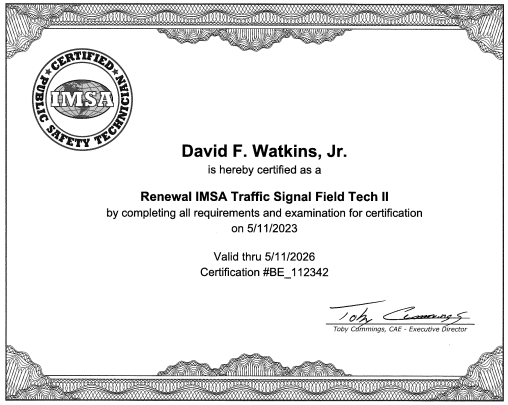
Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com



CERTIFIED PUBLIC SAFETY TECHNICIAN
IMSA

David F. Watkins, Jr.
is hereby certified as a

Renewal IMSA Traffic Signal Field Tech II
by completing all requirements and examination for certification
on 5/11/2023

Valid thru 5/11/2026
Certification #BE_112342

Toby Cummings, CAE - Executive Director

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
NFPA 70, National Electrical Code (NEC) (2023)
Online Training Series

RONNIE ST. ANGELO

Completion Date: May 17, 2023
CEUs: 1.0 or 10 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

Certificate of Training

this certifies that

Sheelagh Ferlito

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this **9th** *day of* **May 2023**

This certificate is valid for 30 days from the date awarded.

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

RONNIE ST. ANGELO

Completion Date: May 12, 2023
CEUs: .6 or 6 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

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NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
NFPA 70, National Electrical Code (NEC) (2023)
Online Training Series

DAVID WATKINS

Completion Date: May 17, 2023
CEUs: 1.0 or 10 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.®

Certificate of Training

this certifies that

Laurence Lambert

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this **9th** *day of* **May 2023**

This certificate is valid for 30 days from the date awarded.

NFPA NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

DAVID WATKINS

Completion Date: May 12, 2023
CEUs: .6 or 6 hours

ACCREDITED IACET PROVIDER

President, National Fire Protection Association

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21. **QA/QC Plan and/or Work Plan:**
If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.

QA/QC Section attached at the end of this proposal.

22. **Sub-consultant Information:**
If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
GOTECH, Inc.	8383 Bluebonnet Boulevard Baton Rouge, LA 70810	Rhaoul A. Guillaume rhaoul@gotech-inc.com	225-766-5358
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd, Suite A, Baton Rouge, LA 70809	Brin Ferlito bferlito@vecturacs.com	225-223-6685

23. **Location:**
If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement.

Stantec Quality Control Procedures for

LADOTD Bridge Electrical
Contract No.s 44000026073 and 4400026074 IDIQ for Electrical Services
Statewide, LA

Revised May 2023

Overview

Goals and Objectives

This Quality Control/Quality Assurance (QC/QA) guide has been developed in accordance with FHWA/AASHTO and LADOTD requirements to supplement Stantec's Quality Assurance and Independent Review Corporate Policy (Included in Appendix C for reference). The QC/QA process is intended to apply to all types of Louisiana Department of Transportation Bridge Electrical Department projects. This QC/QA process applies to the development of design guidelines, design plans, spreadsheets, and other engineering deliverables prepared for these projects. The procedures listen herein outline the general requirements; modifications to the QC/QA process and procedures may be required for large or complex projects. The QC/QA process is independent of LADOTD and/or client review; LADOTD/Client review is not to be considered a substitute for acceptable QC/QA. However, adequately addressing previous internal and external review comments shall be part of the QC/QA scope.

Quality Control (QC): Procedures of checking the accuracy and consistency of the calculations and the drawings, detecting and correcting design omissions and errors before the design plans are finalized and verifying the project specifications/design criteria are adequate for the project requirements.

Quality Assurance (QA): Procedures of reviewing the work to ensure the quality control procedures are in place and effective in preventing mistakes, and consistency in the development of design plans and specifications.

The Quality Control/Quality Assurance (QC/QA) program establishes the following goals:

- Communicate openly to address concerns and solve problems immediately.
- Employ skilled personnel who perform their work with care to produce a quality product.
- Produce quality work through review and checking by experienced individuals not directly responsible for the initial work product.
- Take responsibility for the QC/QA of a project, regardless of role.

The objectives of the QC/QA program are to endeavor to produce products that:

- Are **Designed and Detailed** in accordance with the policies and procedures defined in the current LADOTD BDEM QC/QA Process, applicable technical memorandums, and to the relevant guidelines on the LADOTD Website.
- **Clearly define** the sources of information for the calculations and the interface with related documents.
- Result in **safe and constructible plans**.

Bridge Design and QC/QA Process

As part of the QC/QA process, this document will serve as a template to follow for every bridge electrical project. The process can be summarized as follows. *(Italic text indicates the general individual on the design team that is responsible for each task)*. Each engineering discipline represented in a deliverable or plans package must adhere to this process.

Step 1 - Selection of the Qualified Project Design Team *(Supervisor)*
Step 2 - Development of Project Design Criteria *(Supervisor)*
Step 3 - Development of Design and Plan Details *(Designer)*
Step 4 - Quality Control (QC) of Design and Plan Details *(Design Checker and Detail Checker)*
Step 5 - Quality Assurance (QA) of Design and Plan Details *(Reviewer)*
Step 6 - Peer Review (if requested by the Bridge Design Engineer Administrator) *(Independent Reviewer – not on design team)*
Step 7 - Sealing of Design Calculation Book and Plans *(EOR)*
Step 8 - QC/QA for Design Activities after Final Plans are Signed by Chief Engineer
Step 9 - Archiving Design Files *(EOR)*

Step 1 – Selection of the Qualified Project Design Team

At the beginning of each project, the Supervisor/Team Leader (Supervisor) will select a design team with qualifications and experiences commensurate with the complexity of the project or task order. The supervisor is responsible for identifying the team members responsible for performing various design and detailing tasks and QC/QA. Team Selection will generally follow the roles identified during the proposal phase for this contract, refer to the Appendix E, organizational chart, and Appendix F, resumes, for team assignments and qualifications. General team member responsibilities are as outlined below.

- Supervisor – An individual licensed by the State of Louisiana as a professional engineer with substantial experience relevant to the project or task order. The supervisor is responsible for engaging the correct engineering disciplines and ensuring that the correct Designers and Detailers are assigned to the project or task order based on their level of experience and the complexity anticipated. In addition, a supervisor is responsible for monitoring the QC/QA process.

- Engineer-of-Record (EOR) – An individual licensed as a professional engineer in the State of Louisiana who is responsible for supervision and/or preparation of plans, sealing calculations, signing and sealing the final plan set, and special provisions if required. The EOR will generally be the supervisor but may be the designer, design checker, or reviewer if they have commensurate experience in the design of similar structures. This may be the Designer or Supervisor, depending upon the assignment made by the Supervisor. The EOR is responsible for ensuring that the QC/QA certificate is signed by all responsible parties.

- Designer – An individual licensed as a professional engineer in the State of Louisiana or an individual licensed as an engineer intern by the State of Louisiana. The designer is directly responsible for the development of design calculations, drawings, special provisions, including non-standard items and cost estimate. The Designer provides the data, such as design sketches, necessary for detail drawing development. In addition, the Designer checks their own work for errors, completeness, conformity, and consistency.

- Detailer – A drafter or engineer who generates and revises details, plan sheets, and drawings in electronic format. In addition, the detailer checks their own work for errors, completeness, conformity, and consistency.

- Design Checker – An individual licensed as a professional engineer in the State of Louisiana or an individual licensed as an engineer intern by the State of Louisiana. The Checker must be a licensed professional engineer if the Designer is not a licensed professional engineer. The Design Checker is responsible for performing a full technical review of the design calculations, detail drawings, including non-standard items and cost estimate for the purpose of reducing errors and omissions and increasing completeness, applicability, and conformance.

- Detail Checker – A designer or detailer as long as they did not perform the original design or detailing. The Detail Checker is responsible for performing a full technical review of the plan standards for the purpose of reducing errors and omissions, increasing completeness, and ensuring electronic plan standards are met (including CAD Conform requirements).

- Reviewer/QA – An individual licensed as a professional engineer in the State of Louisiana with substantial (8+years) experience designing projects relevant to the engineering discipline being reviewed. The reviewer may be one individual for the entire plans/calculation package or multiple reviewers may be used, one for each engineering discipline. The Reviewer will perform a cursory review of all documents in the QA information package submitted by the Designer/Detailer and revised based on all previous review comments received. This review should focus on the constructability of the plan details; areas of critical importance; areas where, based on the reviewer's experience, mistakes may be typically found; and areas that may be new to the design practice.

- LADOTD Task Manager (Task Manager) – Identified by LADOTD, this individual is the primary point of contact at LADOTD with whom the Supervisor will communicate. The supervisor is responsible for providing sufficient review time to the Task Manager for all documents to be reviewed (based upon complexity, document size, and any other relevant criteria as discussed between the Supervisor and Task Manager). The Supervisor is responsible for securing the necessary reviews and approvals from the LADOTD Task Manager.

Step 2 – Development of Project Design Criteria

The Supervisor is responsible for ensuring that Design criteria is established at the beginning of each project and submitted to the Task Manager for review and approval before the design process is initiated. The design criteria shall be based on the latest BDEM checklist, included in Appendix A of this document for reference. This will be included in the final calculation book and updated as appropriate throughout the project. All design assumptions and any design exemptions that are granted are to be included in the design criteria. The design criteria shall include at least the following sections with a minimum of information indicated in each section.

- Cover Sheet
    - LADOTD project number
    - Project name
    - Revision date
    - The Supervisor's signature and date

- Governing Design and Construction Specifications and Other References
    - A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

- Design Assumptions and Design Exceptions
    - All design assumptions and design exceptions received must be included in this section along with supporting documents.

- General Information
    - Relevant Project information

- Electrical/Lighting Design

- Design criteria
    - List standard plans and special details utilized.

- Photometric Criteria

- Structural Calculations (Foundations and/or fabricated support for light poles)

- Software
    - List all software used for design and checking

Step 3 –Development of Design and Plan Details

The Designer is responsible for the development of the design calculations, details, cost estimate, and any special provisions that may be required. Prior to beginning the design process, the Designer shall confirm that the design criteria has been established and approved by the Supervisor (Stantec) and Task Manager (LADOTD). During the design process, the designer must follow the design criteria established for the project.

The design calculations are to be organized and maintained by the Designer in a Calculation Book that includes, but is not limited to, the following sections.

- Cover Sheet – include the following information:
  - LADOTD project number
  - Project name
  - The title of "Final Calculation Book"
  - The EOR's seal with signature and date
  - Design Criteria
- Final Calculation Book Check List (Refer to Appendix A)
- QC/QA Certifications (Refer to Appendix B)
- Design Criteria (Refer to Appendix A)
- Quantity Calculations
- Special Provisions/NS-Items
- Construction Cost Estimate
- List of All Final Electronic Design Files and File Locations (ProjectWise directory name)

The Supervisor is responsible for ensuring that the Final Calculation Book is submitted to the Task Manager. Consult with the Task Manager to determine if submittal shall be on a CD, Flash Drive, or shall be placed to a designated ProjectWise folder. Include the following:

- A PDF File of the Calculation Book
- All Electronic Design Files

The Supervisor is also responsible for ensuring that Stantec QC/QA procedures are followed (Refer to Appendices C and D) and the Stantec QC/QA form is documented internally as applicable – specifically for any document that is not part of the final Calculation Book.

Development of Details

The Designer must work together with the Detailer on the establishment of the project details and supervise the detailing work to verify that the details represent the design criteria that have been established. Submittals of details are to follow current LADOTD requirements. Typical submittals and their order are as follows:

1. 30% Final Plans
2. 60%A Final Plans (Photometric Report)
3. 60%B Final Plans (60% Final Plans)
4. 95% Final Plans (PQU)
5. 98% Final Plans (CCS)
6. 100% Final Plans

7. Final Calculation Book
8. Plan Revisions (if required)
9. Change Orders (if required)

Use the **Table 1** as an outline for sheet order and plan development for each submittal.

Table 1. Typical Submittals and Associated Design and Detail Progress.

Items	Final Plans					
	30%	**60%A**	**60%B**	**95% PQU**	**98% CCS**	**100%**
QC/QA Certification	R	R	R	R	R	R
Electrical Index	D		D	C	C	S
Summary of Estimated Quantities			D	D	C	L
General Requirements			D	D	C	S
Electrical Specifications			D	D	C	S
General Notes			D	C	C	S
Layout Plan Sheets			D	C	C	S
Plan and Profiles			D	D	C	S
Electrical/Lighting Details			D	D	C	S
Equipment Item List and Descriptions			D	D	C	S
As-Built Plans (if required)			D	C	C	C
Standard Plans Sheets				D	L	L
Special Details Sheets				D	L	L
Plan Constructability/Biddability Review			R	R	R	R
Transportation Management Plan				R	R	S
Construction Cost Estimate	D		D	C	C	S
Photometric Report(s)	D	D	C	C	C	S
Voltage Drop Calculations				C	C	S
Fault Current Calculations				C	C	S
Arc Flash Hazard Analysis (Prelim.)				C	C	S
Structural Calculations				C	C	S
Contract Time Worksheet				C	C	R

Legend:
"R" – The item is required and shall be included in the submittal.
"D" – The item shall be in development and included in the submittal.
"C" – The item shall be complete and included in the submittal.
"L" – The item shall be provided by LADOTD.
"S" – The item is stamped by the EOR and shall be included in the submittal

Step 4 – Quality Control (QC) of Design and Details

Quality Control is the process of checking the accuracy of calculations and consistency of the drawings, detecting and correcting design omissions and errors prior to finalizing design plans and specifications. Likewise, team members will be assigned to the detailing and checking of each component of the project. The Engineer-of-Record will sign and seal all final details and modified standards.

Quality Control of Calculations

This process applies to calculations, reports, studies, design spreadsheets and any other documents that are not details, plan sheets, or drawings. The process and responsibilities of all team members to confirm that calculations are prepared and checked are as provided in the following section and summarized in the Quality Control of Calculations flow chart shown in Figure 1.

Preparation (Designer)

- Prepare relevant, appropriate calculations and sketches containing all information (input, basis, comments, references and sketches) necessary to convey the purpose and nature of the calculations. Calculations are standalone, to the extent reasonably possible.
- Present the calculations and sketches in a neat and logical manner that is conducive to checking.
- Conform the calculations and design sketches to the policies and procedures defined in the current LADOTD BDEM and all relevant Technical Memorandums. Review the LADOTD Website as additional directives and modifications to the information provided in the current LADOTD BDEM are posted frequently.
- Perform all calculations on hand calculation sheets, on spreadsheet equivalents (i.e. personal spreadsheets or design spreadsheets), or with LADOTD approved software.

Checking (Design Checker)

- Check each component to ensure compliance with the policies and procedures defined in the current LADOTD BDEM and relevant Technical Memorandums and the LADOTD Website, especially CAD Standards.
- Check the calculations for internal consistency and traceability of sources. Thoroughly check the calculations, including assumptions, given values, formulas, omissions, and accuracy of arithmetic.
- Check methodology, reasonableness of results, and constructability. If necessary, ask for clarification from the Designer, request additional calculations, and if unsure of any element, seek technical advice.
- Check the calculations by providing independent review and spot checking calculations on occasion. Keep the alternate, independent calculation with the original. Indicate on the original that an alternate calculation was used for checking.
- When an error in computer input, assumptions, or load calculations is found, consider what that error will do to the outcome before redesigning. If the error has a negligible impact to the final design, it may not be necessary to redo the calculation.
- When an error is found that will have impact on the remainder of the calculations, return the calculations to the Designer for correction prior to completing checking of the calculations. Such an error is one leading to a design result that is more than 5 percent un-conservative or more than 15 percent conservative

Correcting (Designer)

- Revise the calculations and sketches based on the mark-ups. If not in agreement with a mark-up, discuss it with the Checker. Come to an agreement on whether to incorporate the mark-up. If unable to come to a resolution, consult the supervisor.

Verifying (Design Checker)

- Back check the revised calculations and sketches against the mark-ups to confirm all corrections have been incorporated or otherwise addressed.

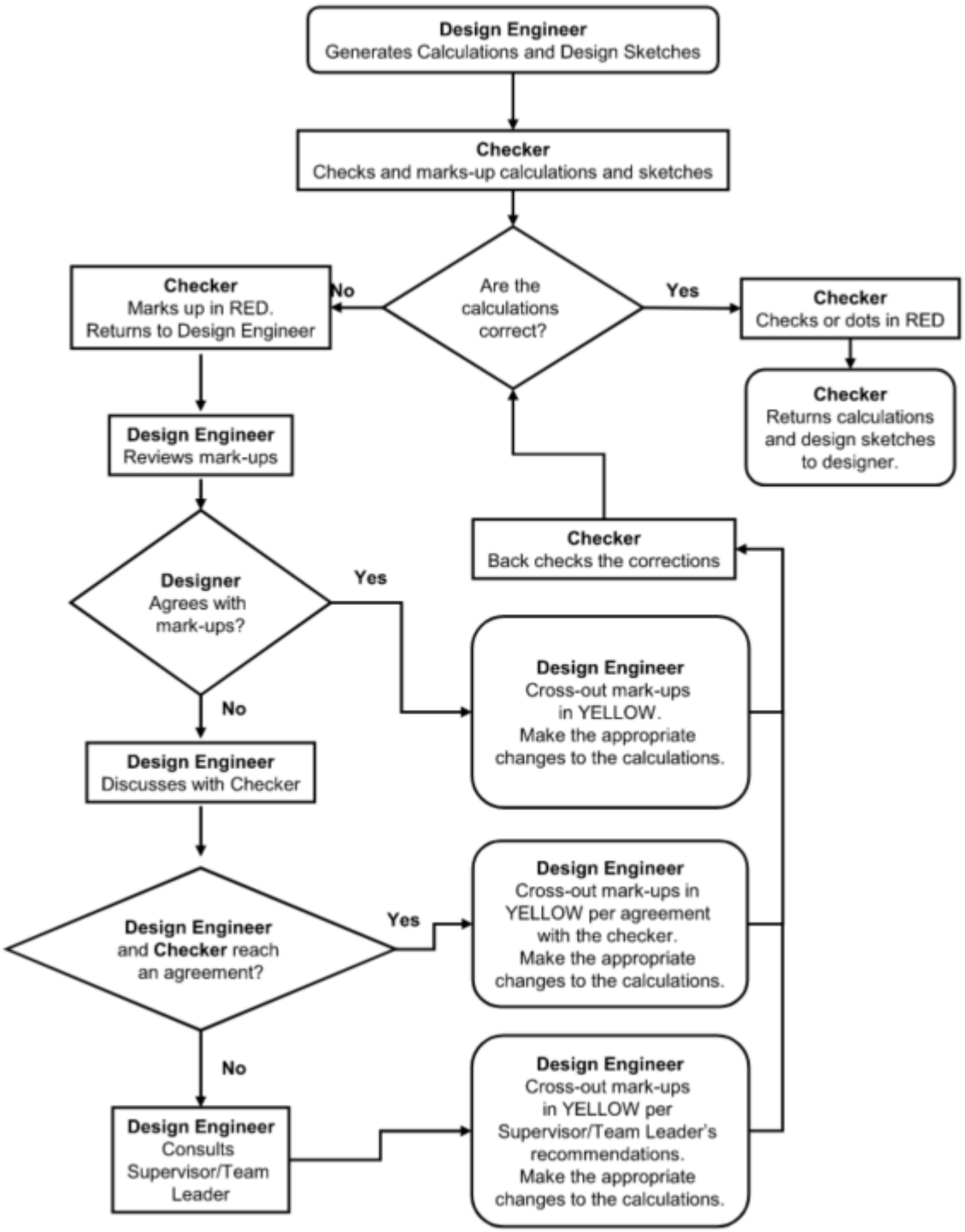

Figure 1. QC Flowchart

Quality Control of Details

This process applies to details, plan sheets, and drawings. The Quality Control of Details flow chart included as Figure 2 provides the process for the checking of the drawings.

Preparation (Detailer)

- Develop all details in accordance with the current LADOTD BDEM and applicable LADOTD policies and practices.

Checking (Design/Detail Checker)

- Check the details for completeness of the plan set for design intent, technical adequacy and conformity to applicable standards, and for consistency with the corresponding calculations.
- Check individual drawings using appropriate guidelines from the current LADOTD BDEM for errors, completeness, conformance, and consistency.

Correcting (Detailer)

- Revise the details based on the mark-ups. If not in agreement with a mark-up, discuss it with the Checker. Come to an agreement on whether to incorporate the mark-up. If unable to come to a resolution, consult the supervisor. Mark any additional revisions on the originals.

Verifying (Detail Checker)

- Back check the revised details against the marked ups to confirm all corrections have been incorporated or otherwise addressed.

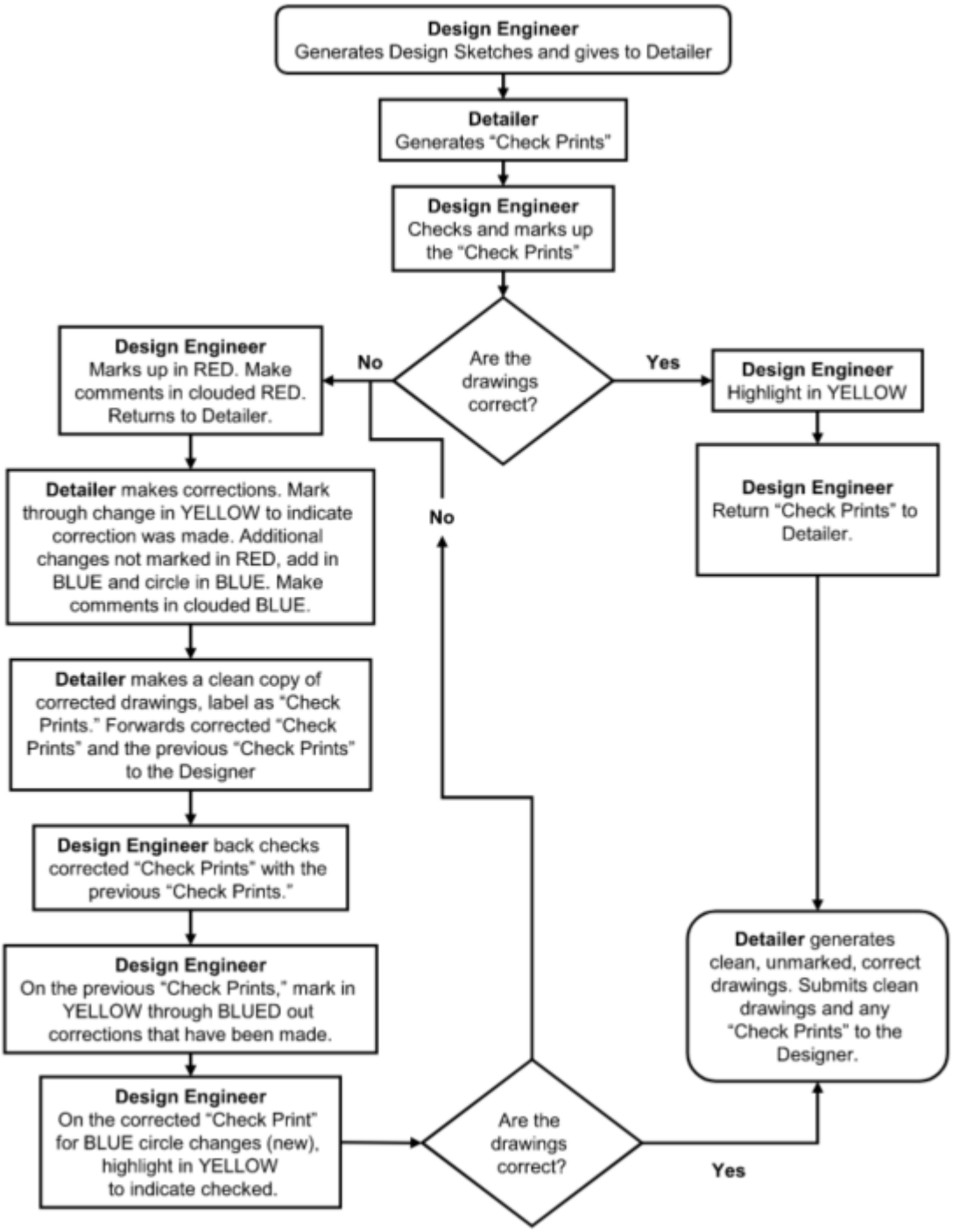

Figure 2. QC for Details Flowchart

Addendum and Change Orders

It is sometimes necessary to submit revised plan sheets to address a change order or an addendum. For change orders and addendum, follow the current LADOTD policy and procedures. Remember to update all relevant calculations and details.

Step 5 – Quality Assurance (QA) of Design and Details

Quality Assurance is the process of reviewing the quality control process for use and effectiveness at preventing mistakes and ensuring compliance. The Quality Assurance process varies depending on the stage of plan development and who develops the plans.

During Plan Development

The Reviewer is responsible for Quality Assurance. The Supervisor determines the level and complexity of the Quality Control process and assigns Reviewers accordingly. In addition, the Supervisor completes a review of the details for constructability, applicability, completeness, and conformity.

Upon completion of the QA process (no later than the 98% final plans stage) the design calculations, details, special provisions, and cost estimate are considered final and the final QC/QA Certificate included in Appendix B is to be signed by members of the project team.

During Construction

During construction, LADOTD engineers assume the role of Engineer-of-Record and complete field-engineering reviews. If a complex problem occurs, the LADOTD may contact the original Engineer-of-Record, who will determine a solution and if necessary, provide calculations and revised plans/details.

Step 6 – Peer Review (if requested by the Bridge Design Engineer Administrator)

Typically, a peer review will not be required. For more complex projects; however, the LADOTD Bridge Design Engineer Administrator may request a peer review. The peer review process is to be in accordance with the requirements specific to the project. At the conclusion of the review, a Peer Review Resolution Agreement may be required.

Step 7 – Sealing of the Calculation Book and Plans by EOR

Near the completion of the project, it is the responsibility of the Engineer of Record (EOR) that all calculations, details, QC/QA requirements, and all other department requirements are substantially complete. At this stage, the following items are to be verified.

- Confirm that the QC/QA certification has been signed by all responsible parties.
- Assemble design calculations from all designers, finalize calculation book and seal the cover sheet.
- Verify that the names of the designer, design checker, detailer, detail checker, and reviewer are all correctly shown on the title block of each plan sheet.
- Ensure all special provisions are accurately shown on the construction proposal.
- EOR may sign the full plan set or designate qualified Professional Engineers to stamp the sheets developed under their supervision.

Step 8 – QC/QA for Design Activities after Final Plans

The previously established QC/QA process and procedures are to be utilized for all plan revisions, change orders, etc.

Step 9 – Archiving Design Files

The EOR is responsible for archiving all design files including calculation books, plans, special provisions, cost estimate, and other pertinent documents in accordance with the Bridge Design Section records retention policy. It is also to responsibility of the EOR to deliver all design files to the LADOTD Bridge Task Manger no later than 30 calendar days after the stamped final plans are delivered. Any revisions made to these documents due to plan revisions and change orders must be delivered with the signed plan revisions or change order sheets.

Notebook/File

The Designer keeps a binder or folder (may be electronic) clearly labeled with the Project Name, Parish (or County), and State Project Number that contain the following:

- Request for Qualifications – Keep a record of the original advertisement, addendums, Q&A, and the shortlist and award as determined by the Project Evaluation Team.
- Correspondence – Correspondence includes emails, memos, or other documents that affect the design or clarify design requirements.
- Calculations – Calculations generated and reviewed in accordance with the Quality Control Program. Calculations include hand-written documents, spreadsheets, and output from software. Convert the calculations to PDF for archive purposes.
- Details – Check Prints and Final Plan Sets generated and reviewed in accordance with the Quality Control Program.
- Any other documents required for design, such as existing plan sheets and review comments.

The Designer documents any changes that occur after the Plan Review, such as Addendum, and post-letting, such as Change Orders and RFIs by including correspondence, calculations, check prints, and details that relate to the change or request in the electronic Notebook/File for the project.

Appendix A DOTD QCQA Policy Excerpts

APPENDIX A—DESIGN CRITERIA CHECKLIST

Design criteria for each project shall include, but not limited to, the following sections:

__ **Cover sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

__ **Governing Design and Construction Specifications and Other References**

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

__ **Design Assumptions and Design Exceptions**

All design assumptions and design exceptions received must be included in this section along with supporting documents.

__ **General Information**

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

__ **Hydraulic Design Criteria**

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

__ **Design Factors**

The ductility factor η_D, redundancy factor η_R, and operational importance factor η_I shall be listed in this section.

__ **Design Loads**

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

__ **Limit States**

All applicable limit states for this project shall be listed in this section.

__ **Bridge Barrier Railing**

The design criteria, types, and test levels for bridge barrier railings shall be listed in this section. Standard Plans should be listed if they are utilized.

__ **Guardrail**

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard Plans should be listed if they are utilized.

__ **Approach Slab**

Design criteria for approach slab shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Deck and Deck Drainage**

All design criteria for deck and deck drainage design shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Bearing**

All bearing types and design criteria for each bearing type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Joint**

All joint types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Superstructure**

All superstructure types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Substructure**

All substructure types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Piles and Drilled Shafts**

All pile types, sizes, and structural design criteria shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Geotechnical Design**

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard Plans should be listed if they are utilized.

__ **Mechanical Design**

All mechanical design criteria shall be included in this section if applicable. Standard Plans should be listed if they are utilized.

__ **Electrical/Lighting Design**

All electrical design criteria shall be included in this section if applicable. Standard Plans should be listed if they are utilized.

__ **As-Designed Bridge Rating Criteria**

All as-designed bridge rating criteria shall be included in this section.

__ **Software**

All software used for design and check shall be included in this section.

APPENDIX B—FINAL CALCULATION BOOK CHECKLIST

The final calculation book for each project shall include, but not limited to, the following sections:

__ **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

__ **Final Calculation Book Check List**

__ **QC/QA Certifications**

__ **Peer Review Resolution Agreement (if peer review is performed)**

__ **Design Criteria**

__ **Final Hydraulic Analysis Report from Hydraulic Engineer**

__ **Final Geotechnical Analysis Report from Geotechnical Engineer**

__ **Superstructure Design Calculations**

__ **Substructure Design Calculations**

__ **Quantity Calculations**

__ **Special Provisions/NS-Items**

__ **Construction Cost Estimate**

__ **As-Designed Rating Report**

__ **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

__ **A PDF File of the Calculation Book (Including the As-Designed Rating Report)**

__ **All Electronic Design Files**

__ **A PDF File of the As-Designed Rating Report Only**

The final calculation book for in-house projects shall include the same files listed above for consultant projects. The final calculation book and other final design documents for all projects including in-house and consultant projects shall be uploaded to the archiving location designated in the record retention policy within 30 calendar days after the stamped final plans are delivered.

APPENDIX C—QA INFORMATION PACKAGE CHECKLIST

Project No.:
Project Description:

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents _____

Appendix B DOTD QC/QA Certification (IDIQ Specific)

Project Number:
Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the current LADOTD Bridge Design and Evaluation Manual policy on QC/QA and Stantec's internal QC/QA procedures.

Team Members	Name	P.E. Reg. #	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Discipline 1 Designer						
Discipline 2 Designer						
Discipline 3 Designer						
Discipline 1 Design Checker						
Discipline 2 Design Checker						
Discipline 3 Design Checker						
Discipline 1 Detailer						
Discipline 2 Detailer						
Discipline 3 Detailer						
Discipline 1 Detail Checker						

Discipline 2 Detail Checker						
Discipline 3 Detail Checker						
Discipline 1 Reviewer						
Discipline 2 Reviewer						
Discipline 3 Reviewer						
Peer Reviewer(s)						
Geotechnical Engineer						
Hydraulic Engineer						
Engineer-of- Record (EOR)						

Appendix C Stantec QC/QA Policy

Quality Policy

Policy

Stantec is committed to achieving quality outcomes by providing a disciplined and accountable framework for how we provide professional and project delivery services to our clients and communities.

Practice

Stantec's ISO 9001-certified quality management practices and Project Management Framework are the cornerstone of Stantec's global Integrated Management System and have been adopted by Stantec as a means of helping the Company to:

- Reduce the risk and consequences of design errors
- Help us grow by promoting reliable processes
- Improve productivity and efficiency
- Promote the quality and reliability of our services
- Improve the financial performance of our operations
- Increase client confidence and loyalty
- Support regulatory compliance

The executive leadership team will:

- Establish, implement, and integrate the quality management system in their professional practice, business lines, and respective areas of responsibility
- Review business practices and performance against key performance indicators regularly to confirm our processes and systems are effective in delivering on our business goals
- Provide sufficient resources to produce professional deliverables that meet the requirements of our clients, licensing authorities, and the accepted professional standard of care
- Promote and communicate that quality is the responsibility of every employee
- Consider client and employee feedback to drive improvements

Project managers and professionals of record will:

- Respond effectively to client needs by taking the time to understand and document their requirements and concerns
- Follow the requirements established in the Project Management Framework.
- Conduct appropriate quality assurance checks and independent reviews on professional deliverables relied on by others

Every employee will:

- Be trained and competent to perform the duties required by their specific role
- Continually develop their skills, knowledge, and experience to remain current with developments in their respective fields
- Understand the importance of the quality management system and their responsibility in the achievement of quality on project outcomes

The Integrated Management System will be monitored, evaluated, and enhanced regularly by executive leadership, with regular reporting and communication on the status and effectiveness across the organization.

Owner: Policy Team (January 11, 2023)

Quality versus Independent Review

A *final deliverable is defined as a record (written or graphic) based on professional expertise or judgment that is intended to be relied on by others and that provides direction to others as part of a service to the public (e.g., professional reports, documentation issued for construction, permit submissions, and maps)

PM Framework	Quality Review	Independent Review
Nomenclature	• Professional of Record • Technical Reviewer	• Independent Reviewer • Peer Reviewer • Senior Reviewer • Technical Governance Reviewer
Overall Role	• Fulfilling professional obligations • Joint responsibility for final deliverables	• Proxy for client • Senior independent review
Project Roles	• Reviews specific sub-sets of deliverables • Provides oversight as Discipline Lead • Checks analyses, calculations • Confirms appropriate standard operating procedures and standards of care are used • Signs, stamps or seals *final deliverable	• Provides overarching advice to PM and Project Team • Provides separate, independent review of concepts, system design, and recommendations • Checks completeness and consistency of *final deliverables
Position on Project Team	• Integral part of Project Team	• Independent from Project Team
Resource Allocation	• Has a reasonable amount of billable time (e.g., 5-10% of labor effort for specific task)	• Should be billable (e.g., 1-2% of labor effort for total project)
Typical Background/Profile	• Fully qualified in discipline/ service area (e.g., greater than five years of technical experience) • Licensed/registered professional, designate, or PM	• Has broad experience in a breadth of related technical and client issues

Appendix D Stantec QCQA Forms

Stantec Quality Assurance and Quality Control of Reports and Proposals

Client:				**Pipeline No.**	
Title:				**Project No.**	
Project Manager			**Author**		
Quality Reviewer			**Independent Reviewer**		
Filepath Location:					
BC:					
Transmit to Client as	☐ Draft Report	☐ Final Report	☐ Proposal	☐ Letter Report	☐ Other (specify)

Description of Final Deliverable *		**Name/ Signature**	**Date**
	Author:		
	Quality Reviewer:		
	Independent Reviewer:		
Description of Final Deliverable *		**Name/ Signature**	**Date**
	Author:		
	Quality Reviewer:		
	Independent Reviewer:		
Description of Final Deliverable *		**Name/ Signature**	**Date**
	Author:		
	Quality Reviewer:		
	Independent Reviewer:		

* final: A final deliverable is defined as any record (written or graphic) based on professional expertise or judgment that is intended to be relied on by others and that provides direction to others as part of a service to the public (e.g., professional reports, documentation issued for construction, permit submissions, and maps). Final deliverables can include submittals in draft form.

		Name/ Signature	**Date**
ADMIN FORMATTING	Done By:		
	Approved/Reviewed By:		
Additional Notes:			

		Paper Copy	**Qty.**	**PDF Email/FTP**	**Qty.**	**PDF CD**	**Qty.**
PRINTING/BINDING	Client:	☐		☐		☐	
	Other:	☐		☐		☐	
	Specify Other Details:						
	File Copies:	White Copy ☐		Electronic ☐		Signed Copy ☐	

		Name/ Signature		**Date**
APPROVAL TO RELEASE TO CLIENT	Project Manager			
	Cover Letter ☐	Email ☐	Transmittal ☐	Reports Signed ☐

Additional Notes:

Appendix E Organizational Chart

See Proposal

Appendix F Resumes

See Proposal

Design with Community in Mind