IDIQ CONTRACTS FOR ROADWAY DESIGN SERVICES

STATEWIDE, LA

CONTRACT NO. 4400024927 AND 4400024928

Prepared for
LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT

Prepared by
STANTEC CONSULTING SERVICES INC.

OCTOBER 4, 2022

DOTD FORM: 24-102

(Revised March 1, 2022)

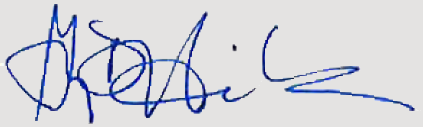
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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 Roadway Design Services**
2.	Contract number(s) as shown in the advertisement	No. 4400024927 and 4400024928
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 (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana 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	**Gary Heitman, PE, Senior Principal** (225) 215-5105 | gary.heitman@stantec.com
9.	Name title, phone number, and email address of the official with signing authority for this proposal	**Gary Heitman, PE, Senior Principal** (225) 215-5105 | gary.heitman@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):**  Date: October 4, 2022
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)'%:** **Civil Design & Construction, Inc.** — **10%**

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. The crosswalk from the old categories to the new categories can be found at the link below: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf.

Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 19 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.
(Add rows as needed)

Evaluation Disciplines	% of Overall Contract	Stantec Consulting Services Inc. (Prime)	Civil Design & Construction, Inc. (CD&C)
★ Road	55%	100%	0%
★★ Traffic	35%	100%	0%
Survey	10%	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%	90%	★★★ 10%

★ *Includes Prelim. and Final Rdwy Plans, Estimates, Hydraulic Analysis and Design, Road Design Services for Environmental, Special Provision Write-ups, TMPs, Quality Plan Reviews, and Roadway Construction Support*

★★ *Includes Traffic Control Design, Traffic Signal Analysis and Design, Traffic Counts, Traffic Signal Warrants, Quality Plan Reviews and Traffic Construction Support*

★★★ *We are committed to assigning 10% of the work to our DBE teammate. If topographic survey is not required on a task order we will include CD&C in the roadway design tasks.*

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 (xxxx)" 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

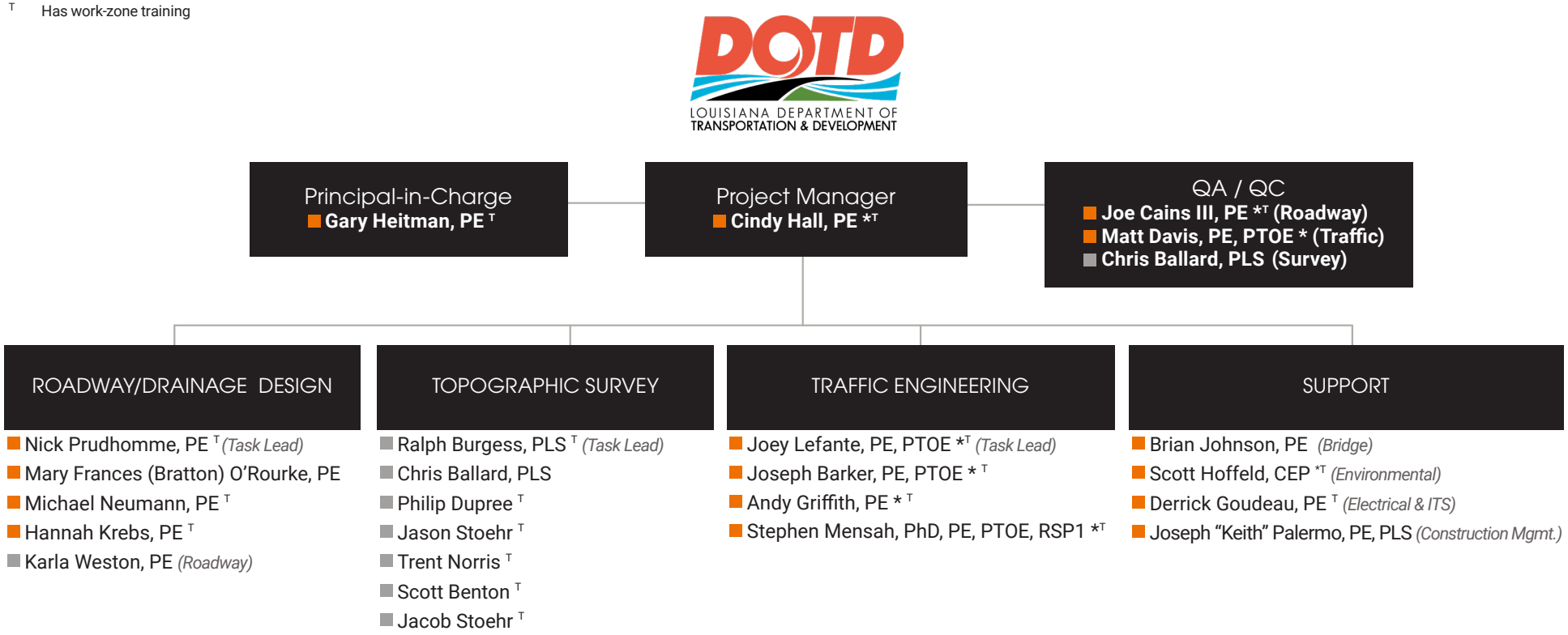
Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Stantec Consulting Services Inc.	Principal	1	3
Stantec Consulting Services Inc.	Supervisor - Eng	2	2
Stantec Consulting Services Inc.	Engineer	4	19
Stantec Consulting Services Inc.	Engineer Intern	6	6
Stantec Consulting Services Inc.	Senior Technician	3	5
Stantec Consulting Services Inc.	CADD Technician	1	3
Stantec Consulting Services Inc.	Administrative	1	2
Stantec Consulting Services Inc.	Planner	1	2
Civil Design & Construction, Inc. (CD&C)	Supervisor - Eng	1	1
Civil Design & Construction, Inc. (CD&C)	Engineer Intern	1	1
Civil Design & Construction, Inc. (CD&C)	Surveyor	2	2
Civil Design & Construction, Inc. (CD&C)	Party Chief	3	5
Civil Design & Construction, Inc. (CD&C)	Instrument Man	2	3
Civil Design & Construction, Inc. (CD&C)	Rodman	2	2
Civil Design & Construction, Inc. (CD&C)	CADD Operator	1	1
Civil Design & Construction, Inc. (CD&C)	Senior Technician	3	5
Civil Design & Construction, Inc. (CD&C)	Supervisor - Other	1	1

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.

Legend

- Stantec
- Civil Design & Construction, Inc.

* Traffic Engineering Process and Report Training
T Has work-zone training



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.

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 / certification & number	State of license	License / certification expiration date
1.	Gary Heitman, PE	Stantec	PE No. 24670	LA	9/30/2024
2.	Cindy Hall, PE	Stantec	PE No. 27073	LA	9/30/2023
3.	Cindy Hall, PE	Stantec	PE No. 27073	LA	9/30/2023
	Other Staff Meeting this MPR: Gary Heitman, PE Joe Cains III, PE Nick Prudhomme, PE Mary Frances (Bratton) O'Rourke, PE	Stantec	PE No. 24670 PE No. 33670 PE No. 35996 PE No. 41444	LA LA LA LA	9/30/2024 3/31/2024 3/31/2023 9/30/2023
4.	Ralph Burgess, PLS	C&C INCORPORATED	PLS No. 5040	LA	9/30/2024
	Chris Ballard, PLS	C&C INCORPORATED	PLS No. 5033	LA	9/30/2024
5.	Joey Lefante, PE, PTOE	Stantec	PTOE No. 3560	LA	11/20/2022
	Other Staff Meeting this MPR: Joseph Barker, PE, PTOE Stephen Mensah, PhD, PE, PTOE, RSP1 Matt Davis, PE, PTOE	Stantec	PTOE No. 4364 PTOE No. 3960 PTOE No. 3914	LA	11/20/2023 11/18/2024 7/21/2024

1. *At least one(1)principal of the prime consultant shall be a registered professional engineer in the state of Louisiana.*
2. *At least one (1) principal or other responsible member of the prime consultant shall be currently registered in the state of Louisiana as a professional engineer in civil engineering.*
3. *At least one(1)principal or other responsible member of the prime consultant shall be a professional civil engineer, registered in the state of Louisiana and shall have a minimum of ten (10) years of experience in responsible charge of the preparation and development of roadway design plans.*
4. *At least one (1) professional land surveyor, registered in the state of Louisiana, shall have a minimum of five (5) years of experience in conducting topographic surveys.*
5. *A least one(1)professional traffic operations engineer (PTOE),registered in the state of Louisiana, shall have a minimum of five (5) years of traffic analysis experience with signal warrants, signal timing and traffic signal design.*

16. **Staff Experience:**

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**		
NAME	**Cindy Hall, PE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**30**
TITLE	**Principal, Transportation Infrastructure Engineer**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**

DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1992 | Civil Engineering**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 27073 | LA | 09/30/2023**		
YEAR REGISTERED	**1997**	DISCIPLINE	**Civil Engineering**

Contract role(s) / brief description of responsibilities	Cindy's 30 years of experience have included the design and project management of various civil and transportation projects. As Roadway Division Manager, Cindy manages the productivity of the roadway staff and oversees the quality of the plans and specifications developed by the Roadway Division. She has also served as project manager on many transportation projects including interstate and interchange improvements, rural arterials, and urban roadways with subsurface drainage and traffic signalization. Cindy has been involved in numerous projects implementing innovative geometric solutions including continuous flow intersections, a diverging diamond interchange and roundabouts. She has also recently been involved in three Design-Build projects for LADOTD. In addition to her transportation experience, Cindy has designed and managed many wastewater pipeline and pump station projects over the course of her career. Cindy will serve as **PROJECT MANAGER** for this contract. **Cindy 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.
11/12 - Ongoing	**PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS | City of Baton Rouge Contract 12-CS-HC-0015 | Baton Rouge, LA** **Project Manager.** This project initially included an EA and Preliminary Plans for improving 3.4 miles of Perkins Road (LA 427) from the existing 2-lane roadway to a 4-lane divided curb and gutter roadway with raised median, sidewalk, sewer and subsurface drainage. During the EA phase, Cindy was responsible for Line and grade alternatives study, stakeholder coordination, public outreach, led EA phase, preliminary plans (geometry, drainage, sequence of construction, signalization, preliminary construction cost estimate) and final ROW maps. Under the MOVEBR Program, Stantec is currently completing Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. This 2-lane to 4-lane divided roadway widening project accommodates the increase in traffic and improves travel efficiency along this corridor by introducing access management principles which have been shown to increase capacity and safety. Partial median openings and u-turn movements with bulb outs are being provided along the corridor. Stantec is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Final plans for this project should be completed by the end of 2022.
08/19 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD | Kenner, LA** **Design Manager.** Cindy manages this multimillion-dollar project that will improve access and traffic operations to and around the new Northfield Terminal. Cindy is overseeing the design and plan preparation efforts to add two directional ramps, I-10 Westbound to Loyola Southbound & Loyola Northbound to I-10 Eastbound. Cindy has worked with the contractor to develop phased construction plans and design unit plan sets to construct critical path items first. She has worked with the D-B team to implement cost/schedule savings through design modifications and alternative material selections.
05/15 - 06/18	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD | LADOTD | St. Mary Parish, LA** **Design Manager.** Cindy managed the design for this Design-Build project which improved the intersection of US 90 at LA 318 to a grade separated interchange and brought US 90 up to interstate standards as a part of the Future I-49 Corridor. The project included dual overpass bridges, ramps, and frontage road relocations. Stantec proposed an alternative technical concept to the proposed alternative in the RFP. This ATC conserved right of way and lessened impacts to the community and the environment, and saved construction cost. Stantec was also responsible for acquiring the right of way while construction was ongoing. Cindy also managed the relocation of utilities during construction and designed water and sewer relocations for St. Mary Parish. Stantec remained involved throughout construction and participated in resolving design and construction non-conformance issues and requests for information. Construction was complete in January of 2018.

04/11 - 06/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD | Lake Charles, LA** Roadway Engineer. Cindy was responsible for the sequence of construction and maintenance of traffic plans for this complex tight diamond interchange which required ramps elevated on MSE walls, two new bridges and surface street improvements including a new roundabout. Cindy was also responsible for the Level 2 Transportation Management Plan required for the project including safety and traffic analyses and traffic management strategies.
01/18 - Ongoing	**DIJON DRIVE PHASE I & PHASE II | City of Baton Rouge | Baton Rouge, LA** Quality Control. Stantec designed this roadway on new alignment for the City of Baton Rouge as an access roadway to the new Our Lady of the Lake Children's Hospital. This fast-paced project includes 4-lane divided roadway on new alignment, sanitary sewer force main, subsurface drainage, signalization and off-site intersection improvements. Cindy was responsible for quality control during the course of this project which was broken into 2 phases. Cindy reviewed each phase of work two times and offered comments before major milestone submittals.
05/12 - 12/21	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, LA** **Project Manager.** Cindy managed the evaluation of alternatives during the environmental phase for this 4 mile portion of Government Street. She attended public meetings, managed public preliminary and final plan development phases. Cindy coordinated with LADOTD, City of Baton Rouge, BREC, CATS and other project stakeholders. The project rehabilitates and restripes existing roadway from a 4-lane section to a 3-lane section (Road Diet). Restriping the roadway allows the reclaimed pavement to be used to provide multi-modal and streetscape improvements. Bike lane improvements and vegetative median islands were added to the corridor and sidewalks were brought up to ADA compliance. This project includes a single-lane roundabout with bypass lanes designed for the Lobdell Avenue intersection, complete street improvements, access management and community enhancements. Cindy provided construction support services during construction, which was completed at the end of 2021.
11/09 - 08/12	**I-12 WIDENING DESIGN-BUILD | LADOTD Contract No. 454-02-0071 | Livingston Parish, LA** Lead Roadway Engineer. Cindy was responsible for Stantec's roadway design efforts to widen a four-mile stretch of Interstate, from the Amite River to the Juban Road interchange. Design included widening, removal, overlay and replacement of various pavement sections, ramp deceleration lane improvements, and widening of the Gray's Creek Bridge, and the 4-H Club Road and Range Avenue overpasses. The project required extensive maintenance of traffic and traffic control plans on this heavily traveled stretch of interstate. In addition to designing the construction plans, Cindy was actively involved in the construction phase, assisting the contractor by developing quality, cost-effective solutions that met or exceeded contract scope requirements.
08/05 - 12/13	**STARING LANE EXTENSION AND BRIDGE | City of Baton Rouge | Baton Rouge, LA** **Project Manager.** This GLP project required a design study and plan development for a new four-lane urban boulevard with a 30-foot median with subsurface drainage, sidewalks, and traffic signals. Cindy led construction plan development and design of preliminary and final plans including geometrics, intersections, earthwork modeling, striping, quantities, signal design, sanitary sewer force main design and quality control. She also attended public meeting and coordinated with City and sub-consultants.
07/19 - Ongoing	**MOVEBR PROGRAM MANAGEMENT | City of Baton Rouge | Baton Rouge, LA** Quality Control Project Reviewer. Cindy serves as QC Project Reviewer concentrating on Roadway and Complete Streets reviews. Cindy has reviewed design studies, preliminary and final plans, quantities and construction cost estimates for corridor, signal and sidewalk improvement projects.
10/09 - 06/11	**US 90 AT LA 85 INTERCHANGE DESIGN-BUILD | LADOTD Contract No. 424-04-0032 | Iberia Parish, LA** Design Quality Control Manager. Cindy led the design QC effort for this project to elevate the rural arterial to urban interstate standards. The Design-Build Team designed upgrades involving construction of a concrete girder span bridge over Louisiana 85 along the US 90 corridor, an extensive rehabilitation of frontage roads and ramps, and the installation and upgrade of permanent drainage structures. As Design Quality Control Manager, Cindy was responsible for developing the Design Quality Control Manual, managing the Design Quality Control Reviews, responding to comments, holding design review meetings, distributing plan submittals, and documenting quality control records. During construction, she was responsible for adherence to the construction plans and the resolution of design non-conformance reports. Construction was completed, and the interchange opened to the public, in June 2011.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Gary Heitman, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	**23**	
TITLE	**Senior Principal**	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	**12**	
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1986 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 24670 | LA | 9/30/2024**			
YEAR REGISTERED	**1992**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Gary will serve as **PRINCIPAL-IN-CHARGE** for this contract. He has over 35 years of experience and led our Highway Division for over 23 years leading various project types, including interstates and interchanges, arterials and collector highways, local roads, bridge replacement projects, roundabouts and other similar transportation systems, on both existing highway alignments and new locations. His experience includes traditional and alternative delivery types as well as Construction Administration services,allowing him to apply lessons learned in the construction arena to the design process and thereby provide a more comprehensive deliverable. He is currently serving as the leader of the entire Baton Rouge office. Gary's role for this contract will include client management and support and general contract oversight. **Gary meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 1. He's also available to support MPR #3 if needed.** 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 time specified in the applicable MPR(s).
10/12 - 09/17	**LADOTD RETAINER CONTRACT FOR ROADWAY PROJECTS | LADOTD H.4400002748 | Statewide, LA** Project Manager. Gary provided project management throughout the duration of this retainer that included the completion of the following projects: Essen Lane Widening, Government Street and West Prien Lake Road Relocation. He was involved in all project meetings, supervised the design, plan development and the preparation of exhibits, coordinated directly with LADOTD and City personnel to ensure the project schedules, quality goals and other LADOTD requirements were met. Gary supervised all phases of work including: completion of the environmental phase, development of final roadway, signal, and bridge plans, and continued coordination with all parties to ensure timely delivery of the final construction documents.
02/13 - 07/16	**LADOTD RETAINER CONTRACT FOR TRAFFIC ENGINEERING ROAD MANAGEMENT | LADOTD H.4400002748 | Statewide, LA** Contract Manager and QA/QC. Under this retainer, Stantec designed five roundabout projects, including: Cleo Road, US 79 Bypass at LA 9, LA 75 Roundabouts (Plaquemine), LA 86 & LA 320 Roundabout (New Iberia) and LA 447 / I-12 Interchange. Gary managed the contract, performed QA/QC, provided geometric guidance and oversight during plan development.
08/19 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD | Kenner, LA** Roadway Design QC. Gary is providing roadway design quality control for this multimillion-dollar project that will improve access and traffic operations to and around the new Northfield Terminal at the New Orleans Airport. This project consists of a Diverging Diamond Interchange, in addition to flyover ramps leading to/ from the Airport on the east side of the interchange.
04/15 - 06/18	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Roadway Independent QC. This project constructed a diamond interchange to replace the current at-grade signalized intersection of US90 and LA 318, as well as frontage roads and ramps through the project limits. Gary assisted with alternatives to the concept presented in the RFP. Performed independent QC and assurance reviews on the roadway design packages.
04/11 - 06/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD | Lake Charles, LA** Roadway Division Manager. Gary oversaw the roadway design efforts on this fast-paced project to improve access to the casino site located on I-210 between Cove Lane and Nelson Road Interchanges. Stantec led the initial study regarding appropriate access needs to and from the casino along I-210 as prior access to the site was not sufficient for the expected increase in traffic. Deliverables included a final report meeting all LADOTD requirements for a traffic impact study based on the proposed development and Stage 0 requirements for long-term improvements at the I-210/Cove Lane and I-210/Nelson Road interchanges, in each case reflecting all agency comments with no outstanding comments or further review required.

11/10 - Ongoing	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD | Lake Charles, LA** Roadway Division Manager. Gary oversaw the design effort for this new high-level bridge and approaches over Contraband Bayou, a navigable waterway in the Lake Charles area. This will provide a crucial link to downtown and the Port of Lake Charles by extending Nelson Road over Contraband Bayou to West Sallier Street.
07/15 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD Contract No. H.004273.5 | Lafayette, LA** Assistant Program Manager and Geometrics Task Manager. Gary is assisting with the Program Management task, including overseeing the implementation of an extensive QC/QA plan. Managing geometric design of the corridor, which includes segments of at-grade and elevated mainline, frontage roads, urban interchanges and slip ramps, as well as connections/modifications to the existing roadway network. Geometric team's task includes conceptual constructability and maintenance of traffic plans, conceptual drainage design, and estimates of probable construction costs throughout the project.
08/05 - 12/13	**STARING LANE EXTENSION AND BRIDGE | City of Baton Rouge | Baton Rouge, LA** Roadway QA/QC. This GLP project required a design study and plan development for a new four-lane urban boulevard with a 30-foot median with subsurface drainage, sidewalks, and traffic signals. Gary's responsibilities included technical assistance in the study and design phases, QA/QC of roadway plans, and participation in regular project meetings as well as public meetings.
01/18 - Ongoing	**DIJON DRIVE PHASE I & PHASE II | City of Baton Rouge | Baton Rouge, LA** Project Manager. Stantec designed this roadway on new alignment for the City of Baton Rouge as an access roadway to the new Our Lady of the Lake Children's Hospital. This fast-paced project includes 4-lane divided roadway on new alignment, sanitary sewer force main, subsurface drainage, signalization and off-site intersection improvements. Gary led the team in the environmental study, line and grade, and the current design/plan development phases of the project. He also led construction support services for Phase I provided by Stantec.
11/09 - 08/12	**I-12 WIDENING DESIGN-BUILD | LADOTD Contract No. 454-02-0071 | Livingston Parish, LA** Project Design Manager. Gary was responsible for coordination of design and plan development efforts to widen this four-mile stretch of Interstate, from the Amite River to the Juban Road interchange, as part of the selected Design-Build team. Project design elements included widening, removal, overlay, and replacement of various pavement sections, ramp deceleration lane improvements, interchange lighting, permanent signing, permanent concrete median barrier, median subsurface drainage, and widening of the Gray's Creek Bridges and the 4-H Club Road and Range Avenue overpasses. The project required erosion control plans addressing storm water runoff during construction, as well as extensive maintenance of traffic and traffic control plans for this heavily traveled stretch of interstate and connecting ramps. In addition to the design and plans developed for the construction elements, Gary was actively involved in construction progress meetings, and assisted the contractor during construction, after designs and plans were approved, working with the team to address construction questions and issues in the field. At the completion of construction, as-built plans and electronic files were created for the project, again with Gary serving as the Project Design Manager for all of the plan and design elements.
03/07 - 12/12	**RIVER ROAD (LA 327) RELOCATION FOR PINNACLE CASINO DEVELOPMENT | LADOTD | Baton Rouge, LA** QA/QC Lead and Design Oversight. Gary provided oversight and guidance for design of the relocation of Louisiana 327 (River Road) for about a 1-mile segment in order to create a more contiguous site for development. During planning, design, and construction phases of the roadway work, he provided extensive coordination with the LADOTD Headquarters and District 61 staff, to ensure timely plan approvals and permitting. He provided QC reviews for the roadway plans and documents prepared by staff under his direct supervision, and answered questions that arose during construction. In addition, plans for off-site improvements identified in the Traffic Impact Study, including several intersections. were developed. Gary's roles for the offsite work included direct oversight of the roadway design and plan development, as well as QA/QC support and assistance with the LADOTD permitting process. Gary also developed a wayfinding signage plan directing traffic from I-10 approximately 13 miles along various state highways to the site, and assisted the developer with obtaining LADOTD input and approvals for this additional signage.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Joseph "Joe" Cains, III, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**19**
TITLE	**Senior Associate**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2003 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 33670 | LA | 03/31/2024**			
YEAR REGISTERED	**2008**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Joe will perform **QA/QC - ROADWAY** for this contract. He has over 19 years of experience for various project types, including interstates and interchanges, arterials and collector highways, local roads, bridge replacement projects and other similar transportation systems, on both existing highway alignments and new locations. He also has experience with innovative intersections, including roundabouts, DDIs, CFIs, and has been involved in several major projects involving compressed schedules and quick turnaround deadlines. He has experience in both traditional and alternative delivery types as well as Construction Administration services, allowing him to help lead the charge in the transportation industry for Stantec in the State of Louisiana. Joe's role for this contract will include Project Management, and his 14+ years of Project Management will help him fulfill his role on this contract for contract management (scope, schedule, and budget), client coordination, project coordination, design oversight, and adherence to contract and task order requirements. **Joe meets Minimum Personnel Requirements (MPRs) #3 and is available to support roadway scope if needed.** 
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 INTERCHANGE DESIGN-BUILD | LADOTD | Kenner, LA** Lead Roadway Engineer. Joe serves as lead roadway engineer of 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. Project consists of a Diverging Diamond Interchange and flyover ramps leading to/ from the Airport on the east side of the interchange.
04/11 - 06/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD | Lake Charles, LA** Assistant Project Manager and Lead Roadway Engineer. This project proposed to reconstruct I-210 to overpass the extension of Cove Lane and widen it between the foot of the I-210 bridge over the Calcasieu River ship channel to the Nelson Road Interchange. During the Stage 0 and IMR phases of the project, Joe developed 29 full interchange alternatives and coordinated with traffic engineers during the analysis and modeling efforts to modify the alternatives as needed to satisfy DOTD needs. In the environmental phase, he provided the exhibits and materials necessary to support the Environmental Assessment document. During the Preliminary and Final Design Phases of the project, he designed the horizontal geometry for the entire project, led the roadway design plan development efforts, and coordinated multiple disciplines including hydraulic analysis and design, striping and signing design, bridge and structural design, geotechnical design, maintenance of construction, as well as ROW acquisition, Utility Coordination & Relocation, and implementing environmental commitments into the design. Joe was also involved with the development of the Transportation Management Plan, and the development and approval of several Special Provisions for the project. Lastly, he was heavily involved in the construction process, which included frequent trips to the project site, answering RFIs, and assisting LADOTD with maintaining the project schedule.
04/15 - 06/18	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD PROJECT | LADOTD | St Mary Parish, LA** Lead Roadway Engineer. Project included upgrading the existing two-lane undivided roadway LA 318 to a two-lane divided roadway with a raised median, and constructing a new overpass bridge for US 90 over LA 318. This project also included a significant utility relocation coordination effort, as well as ROW acquisition (first for a Design-Build Project), and a Transportation Management Plan. Joe's duties included leading the effort for plan development of the various design units, development of the TMP, as well as construction support during the process.
08/14 - 08/19	**W. PRIEN LAKE ROAD RELOCATION | LADOTD | Lake Charles, LA** Project Manager. Joe served as Project Manager for the Preliminary and Final Design Phases of this project, that proposed to realign W. Prien Lake road for approx. 1.4 miles to improve interchange operations at I-210 and Nelson Road. Joe designed the original horizontal and vertical geometry for the project, and later oversaw the final design of the horizontal and vertical geometry, as well as provided general oversight, guidance, and coordination of plan development for the various disciplines involved, including roadway design, drainage design, structural design, traffic signal design, and lighting design performed by a subconsultant.

11/10 - Ongoing	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD | Lake Charles, LA** Project Manager. Joe served as Project Manager for the Environmental Assessment as well as the Preliminary and Final Design Phases of this project, that proposes to construct a new high-level bridge over Contraband Bayou. During the environmental phase, Joe coordinated all environmental tasks, and developed the line and grade study, performed a vessel survey to better understand navigational requirements for the proposed bridge, assisted with development of the Section 404 and Section 10 permits (USACE and USCG), and coordinated the compilation of the entire EA document, which included 3 subconsultants. Joe also designed the horizontal and vertical geometry for the project, and providing general oversight, guidance, and coordination of plan development for the various disciplines involved, including roadway design, drainage design, maintenance of traffic, bridge design, traffic signal design, railroad design, lighting design, and assisted District 07 with the coordination of utility impacts.
03/07 - 12/12	**RIVER ROAD (LA 327) RELOCATION FOR PINNACLE CASINO DEVELOPMENT | LADOTD | Baton Rouge, LA** Lead Roadway Engineer and Assistant Project Manager. Joe led roadway design and plan development efforts to relocate River Road for approx. 1.1 miles and install three new single-lane roundabout intersections for the proposed development access that mitigated impacts for this $400M+ casino development (L'Auberge Baton Rouge). In addition to the River Road Relocation effort, he led the management, design, and plan development for 5 offsite intersections also associated with the traffic impact for this development. In addition to designing the horizontal and vertical geometry for these improvements, Joe also designed the drainage elements for the project (paved gutter drains, culvert design, and open ditch design), striping & signage, and maintenance of traffic plans, and also assisted with coordination of utilities and lighting for the project. He was heavily involved in the client coordination and project coordination efforts during the planning of the development. Joe was also heavily involved in the construction phase of the project, including construction support and construction administration.
07/19 - Ongoing	**MOVEBR PROGRAM MANAGEMENT | City of Baton Rouge | Baton Rouge, LA** Deputy Program Management. Joe serves as the Deputy Program Manager for Engineering for the $313M Community Enhancement Program of the overall MOVEBR program. This $1.1B Program proposes to improve key roadways and roadway corridors by focusing on either adding new capacity or adding community enhancement features in various areas throughout the parish. Joe's responsibilities include the oversight and compliance with MOVEBR guidelines, management of Project Managers for the 23 planned projects and sub-programs associated with the Community Enhancement Program. Joe is also heavily involved in the procurement phase for projects, providing assistance to the Engineer & Survey Selection Board thorough the planning, prioritization, advertisement, selection, and procurement of professional service firms. Lastly, Joe manages the QC Review Team, ensuring that design reviews are properly facilitated with subject matter experts, and ensuring that comments are properly adjudicated and coordinated if conflicts arise. Joe also ensures that policies are processes are properly followed, and that contract scope requirements are fulfilled prior to moving to the next phase of project delivery.
03/17 - Ongoing	**PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS | City of Baton Rouge Contract 12-CS-HC-0015 | Baton Rouge, LA** QC Manager. Under the MOVEBR Program, Stantec is currently completing Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. This 2-lane to 4-lane divided roadway widening project accommodates the increase in traffic and improves travel efficiency along this corridor by introducing access management principles which have been shown to increase capacity and safety. Partial median openings and u-turn movements with bulb outs are being provided along the corridor. Stantec is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Final plans for this project should be completed by the end of 2022.
11/09 - 08/12	**I-12 WIDENING DESIGN-BUILD | LADOTD Contract No. 454-02-0071 | Livingston Parish, LA** Roadway Engineer. Joe was responsible for Stantec's roadway design efforts to widen a four-mile stretch of Interstate. Design included widening, removal, overlay and replacement of various pavement sections, ramp deceleration lane improvements, and widening of the Gray's Creek Bridge, and the 4-H Club Road and Range Avenue overpasses. The project required extensive maintenance of traffic and traffic control plans on this heavily traveled stretch of interstate.
07/15 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD | Lafayette, LA** Lead Roadway Engineer. Joe's responsibilities include assisting with the completion of Task 4 Geometrics, of a 15 task project that is being carried out with a team of 15 design firms. Task 4 involves the evaluation and recommendations for previously proposed geometry, (interchanges, intersections, horizontal & vertical alignments, design vehicles & criteria, etc.), investigation of the 5 design modifications recommended during the environmental process (ROD obtained in early 2000s), investigation of 20+ potential design modifications, public coordination, and final design report document development for future segmentation & design of independent utility segments.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Matt Davis, PE, PTOE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**12**
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 has 12 years of experience managing and serving on a variety of Traffic, ITS, and smart mobility projects. His capabilities include systems engineering analysis, traffic analysis, traffic modeling for analysis and public viewing, and traffic signal and ITS design. He is also responsible for managing projects, performing quality assurance and quality control reviews, and assisting other Stantec offices around the country. Matt is well-versed in a variety of traffic modeling and analysis software tools such as VISSIM, Vistro, Synchro, SIDRA, and HCS. Matt will serve as **QA/QC - TRAFFIC** for this contract. **Matt meets the Minimum Personnel Requirements (MPRs) #5 and is available to support traffic scope if needed.**
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
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.
05/13 - 03/19	**ESSEN LANE WIDENING| LADOTD | Baton Rouge, LA** Traffic Engineer. Matt developed VISSIM models to represent the existing and proposed conditions along the corridor. Analysis results were tabulated and reported back to LADOTD and City of Baton Rouge for approval. Matt subsequently developed traffic signal plans for four intersections along Essen Lane that were impacted by the widening. Traffic signal plans consist of providing all new traffic signal equipment along with fiber optic communications between the traffic signals. Multiple site visits were held to ensure feasibility of traffic signal equipment locations and avoid interference with utilities. Plans were developed according to the latest MUTCD, DOTD and City of Baton Rouge Standards and Specifications. This project required coordination with Stantec’s Roadway group, DOTD, and the City of Baton Rouge.
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	**Nick Prudhomme, PE**	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**16**	
TITLE	**Roadway Engineer**	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**	
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2006 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 35996 | LA | 3/31/2023**			
YEAR REGISTERED	**2011**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Nick has over 16 years of experience in feasibility/alternative studies and preliminary and final design of interstates, entrance and exit ramps, arterials, local roads, bridge replacement projects, and other similar transportation systems along both existing and proposed alignments. His experience also includes training courses for Traffic Control Supervisor, Traffic Control Design Specialist, and training in the Highway Safety Manual. Nick will serve as **ROADWAY/DRAINAGE DESIGN TASK LEAD** for this contract. **Nick meets Minimum Personnel Requirements (MPRs) #3 and will perform roadway/drainage design scope elements.**
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 INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Assistant Roadway Lead and Drainage Lead. As Drainage Lead, Nick oversees the drainage design consisting of subsurface drainage systems along Loyola Drive and the new airport access road, drainage systems/cross drains on I-10, and the extension of 2-8'x7' box culverts in Canal 13. As Assistant Roadway Lead, Nick has designed horizontal and vertical geometry, graphical grades, and Inroads roadway modeling. Nick also performs construction support by reviewing and approving drainage shop drawings as well as RFIs and NCRs relating to drainage and roadway design. This project will serve as a main entrance to the new airport terminal recently constructed for the Louis Armstrong New Orleans International Airport.
04/11 - 06/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD H.010151 | Lake Charles, LA** Roadway Engineer. Nick assisted in the design and plan development for the proposed full tight diamond interchange at Cove Lane and I-210. He was responsible for all the earthwork calculations for the interchange improvements, as well as the extension of existing Cove Lane to the north. The project included retaining walls and a load transfer platform which were included in Nick's cross section design. Nick was also involved with geometric modeling and quantity calculations.
01/14 - 03/18	**LA 86 AT LA 320 ROUNDABOUT | LADOTD | New Iberia, LA** Project Engineer. One of the projects assigned under the LADOTD Retainer Contract for Traffic Engineering Road Management (H.4400002748). Nick's responsibilities included project management, client coordination, and the design and supervision of all areas of plan development including horizontal and vertical design, sight distance calculations, drainage design, earthwork modeling, cross section development, striping layout, sequence of construction, quantity calculations, and cost estimation.
05/15 - 06/18	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Roadway Engineer. Nick performed subsurface drainage analysis and design, earthwork modeling, cross section generation, and quantity calculations. The project included dual overpass bridges, ramps, and frontage road relocations. Stantec proposed an alternative technical concept to the proposed alternative in the RFP. This ATC conserved right of way and lessened impacts to the community and the environment, and saved construction cost. Nick remained involved throughout construction and participated in resolving design and construction non-conformance issues and requests for information.
11/12 - Ongoing	**PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS | City of Baton Rouge Contract 12-CS-HC-0015 | Baton Rouge, LA** Roadway Lead. Initially included EA and Preliminary Plans for improving 3.4 miles of Perkins Road (LA 427) from the existing 2-lane roadway to a 4-lane divided curb and gutter roadway with raised median, sidewalk, sewer and subsurface drainage. During the EA phase, Nick assisted with the alternative analyses, conceptual drainage design, public meeting materials and presentations, and the development of the EA report and documentation. During preliminary plan development, he assisted in all areas of design and plan development including client interaction, drainage design, drainage report, roadway modeling and earthwork analyses using InRoads, quantity calculations, and construction cost estimate. Under the MOVEBR Program, Stantec is currently completing Final Plans using MOVEBR design criteria and is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Final plans should be completed by the end of 2022.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Mary Frances O'Rourke, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**12**
TITLE	**Roadway Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2012 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 41444 | LA | 09/30/2023**			
YEAR REGISTERED	**2017**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Mary's roadway engineering experience includes preparing roadway plans, quantity calculations, hydraulic analysis, striping and signing design, coordination of utility relocation for design-build projects and geometric design such as horizontal and vertical alignments for a variety of projects in Louisiana. Mary is knowledgeable in a number of software programs including Microstation, InRoads and SignCad. She has also assisted in the design of roundabouts, interchanges and realignments of urban roadways. Mary will perform **ROADWAY/DRAINAGE DESIGN** for this contract. **Mary meets Minimum Personnel Requirements (MPRs) #3 and is available to support roadway scope if needed.**
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 INTERCHANGE DESIGN-BUILD (DB) PROJECT | LADOTD Contract No. H.011670 | Kenner, LA** Design-Build ROW/Utilities Manager. Mary's responsibilities included developing the signing and striping layout, assisting with the geometric layout, assisting with the drainage design which included using HYDRWIN to design to DOTD standards, developing joint layouts, quantity calculations, and coordination with the contractor to answer RFIs. Mary assisted with ROW Acquisition and leads the utility relocation coordination efforts for the project.
05/12 - 12/21	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, LA** Roadway Engineer. Mary designed bike lane facilities and signing/striping layout for this preliminary and final plan design project to upgrade a 4-mile portion of Government Street. Mary assisted with designs/plan development including typical sections, plan sheets, geometric details, signing and striping and sequence of construction. She calculated quantities and developed the cost estimate for construction and provided construction support.
07/15 - 06/18	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Roadway Engineer. Project replaced a signalized intersection with a roundabout while maintaining traffic. Mary's responsibilities involved managing plan development, client coordination, and the design of all areas of plan development including horizontal and vertical alignments, earthwork modeling, drainage design,signing and striping layout, sequence of construction which required 3 detour roads and a temporary subsurface drainage system, quantity calculations, and cost estimate for the construction.
11/12 - Ongoing	**PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS | City of Baton Rouge Contract 12-CS-HC-0015 | Baton Rouge, LA** Roadway Engineer. During the EA and Preliminary Phase, Mary assisted with line & grade studies, EA, plan development and design of subsurface drainage systems by using LADOTD Hydraulics Manual and LADOTD HYDRO Software. She calculated quantities for a construction cost estimates. Under the MOVEBR Program, Stantec is currently completing Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. Stantec is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Final plans for this project should be completed by the end of 2022.
02/14 - 10/16	**US 79 AT LA 9 ROUNDABOUT | LADOTD | Claiborne Parish, LA** Roadway Engineer. One of the projects assigned under the LADOTD Retainer Contract for Traffic Engineering Road Management (H.4400002748) that replaced a signalized intersection with a roundabout while maintaining traffic. Mary's responsibilities involved managing plan development, client coordination, and the design of all areas of plan development including horizontal and vertical alignments, earthwork modeling, drainage design,signing and striping layout, sequence of construction which required 3 detour roads and a temporary subsurface drainage system, quantity calculations, and cost estimate for the construction
10/17 - 10/19	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD | Lake Charles, LA** Lead Roadway Engineer. Mary's duties included geometric design, roadway modeling, drainage, signing and striping, joint layout, and sequence of construction. Mary also assisted with the NEPA Environmental Assessment process and coordination between all of the stakeholders. Stantec is lead designer for this new high-level bridge (56-foot clearance) and approaches over the navigational channel of Contraband Bayou. This project provides a crucial link to downtown Lake Charles and the Port of Lake Charles by extending Nelson Road over Contraband Bayou to West Sallier Street.

MEETS MINIMUM LADOTD PERSONNEL REQ.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Michael Neumann, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**7**
TITLE	**Roadway Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2015 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 45396 | LA | 9/30/2023**			
YEAR REGISTERED	**2021**	DISCIPLINE	**Civil Engineering**	
Contract role(s) / brief description of responsibilities	Michael is a Civil Engineer with experience in designing subsurface and open channel drainage systems, roadway geometry through intersections, and striping plans along a major corridor. His work has encompassed both improvements to existing roadways and roadways on new alignments. Michael has also had a hand in analyzing existing conditions for a high-profile rehabilitation of an existing roadway. He has had both governmental and private client experience in his projects. Michael is familiar with technical programs including: MicroStation, AutoCAD, ArcGIS, InRoads, AutoTURN, and HYDR2009. Michael will perform **ROADWAY/DRAINAGE DESIGN** and other required roadway scope 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 INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Roadway Engineer for 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. Project consists of a Diverging Diamond Interchange, in addition to flyover ramps leading to/from the Airport on the east side of the interchange. Michael modeled the cross sections in InRoads and calculated earthwork quantities. He also designed the subsurface drainage systems along Loyola/Airport Access Road.
05/15 - 12/17	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, LA** Engineer Intern. Michael provided analysis of existing project conditions through field work. Michael also provided recommendations to bring conditions up to current ADA standards. Through public meetings held be LADOTD, he met with residents and business owners impacted by the project. Michael also produced construction plans as well as exhibits for public information meetings.
06/20 - Ongoing	**PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS | City of Baton Rouge | Baton Rouge, LA** Drainage Design Engineer. Under the MOVEBR Program, Stantec is currently completing Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. This 2-lane to 4-lane divided roadway widening project accommodates the increase in traffic and improves travel efficiency along this corridor by introducing access management principles which have been shown to increase capacity and safety. Partial median openings and u-turn movements with bulb outs are being provided along the corridor. Michael is leading the design of five subsurface drainage systems and culvert design, and the drainage report. Final plans for this project should be completed by the end of 2022.
10/17 - 10/19	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD | Lake Charles, LA** Roadway Engineer. This project provides a crucial link to downtown Lake Charles and the Port of Lake Charles by extending Nelson Road over Contraband Bayou to West Sallier Street. Stantec has led the design effort for this new high-level bridge (56-foot clearance) and approaches over the navigational channel of Contraband Bayou. Michael assisted with the NEPA Environmental Assessment process and coordination between stakeholders. He also assisted with drainage and earthwork design.
01/18 - Ongoing	**DIJON DRIVE PHASE I & PHASE II | City of Baton Rouge | Baton Rouge, LA** Engineer Intern. Stantec designed this roadway on new alignment for the City of Baton Rouge as an access roadway to the new Our Lady of the Lake Children’s Hospital. Fast-paced project includes a 4-lane divided roadway on new alignment, sanitary sewer force main, subsurface drainage, signalization and off-site intersection improvements. Michael performed field condition analysis and floodplain identification through LIDAR data analysis. He also performed open channel design and culvert analysis, subsurface drainage design, and coordinated with LADOTD.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Hannah Krebs, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**7**
TITLE	**Roadway Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION		**BS | 2017 | Civil Engineering**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		**PE No. 45917 | LA | 3/31/2024**		
YEAR REGISTERED	**2021**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Hannah has seven years of experience in design and plan development of interstate, arterial, and collector facilities, including existing and new alignment locations. She also has experience with the design of intersection improvements for both urban and rural projects. Hannah is specifically experienced in roadway design, environmental assessments and temporary traffic control plans. Hannah will perform **ROADWAY/DRAINAGE DESIGN** and other required roadway scope 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.
09/18 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Roadway Engineer. Hannah is responsible for creating traffic control plans and modifying as needed during construction. This is a multi-million dollar 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 Diverging Diamond Interchange, in addition to flyover ramps leading to and from the Airport on the east side of the interchange.
06/17 – 09/18	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Engineer Intern. This project proposed to upgrade the intersection of existing US 90 at LA 318 near Sorrel, to a grade separated interchange. This was the last intersection between Lafayette and the interchange at US 90 at LA 83 near Baldwin to be upgraded for the Future I-49 Corridor. This project included upgrading the existing two-lane undivided roadway LA 318 to a two-lane divided roadway with a raised median and constructing a new overpass bridge for US 90 over LA 318. Hannah's duties included taking the lead on the water and sewer as-built plan set, compiling plan sets for submittals, and participating in construction meetings.
06/17 – 06/21	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD | Lake Charles, LA** Engineer Intern. Hannah was responsible for organizing and completing a vessel survey during the Environment Assessment phase. Vessel owners were contacted to determine a bridge clearance business impact to a local shipyard. Hannah also assisted in the vertical profile design, drainage design, template design, and plan preparation for the preliminary submittal. The Nelson Road extension over Contraband Bayou will connect the community of Lake Charles and provide an alternate route to alleviate traffic from the interstate system.
06/17 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD Contract No. H.004273.5 | Lafayette, LA** Roadway Engineer. Hannah is responsible for developing cost estimates for various alternatives, creating public meeting exhibits, attending and participating in public meetings, horizontal and vertical geometry, and project organization. This route will provide the final nationwide link of I-49 by connecting the existing I-49/I-10 interchange to the proposed I-49/US 90 interchange. For the Comprehensive Stage 0 and Environmental Study, Stantec leads the traffic study and impacts effort along with development of an implementation plan and strategy. The project is currently in the Environmental Assessment stage and alternatives are being investigated.
06/20 - Ongoing	**PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS | City of Baton Rouge | Baton Rouge, LA** Roadway Engineer. Hannah is responsible for final plan development, geometric design, and traffic control plans. Under the MOVEBR Program, Stantec is currently completing Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. This 2-lane to 4-lane divided roadway widening project accommodates the increase in traffic and improves travel efficiency along this corridor by introducing access management principles which have been shown to increase capacity and safety. Partial median openings and u-turn movements with bulb outs are being provided along the corridor. Stantec is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Hannah produced the plan set that was submitted with the wetlands permit application. Final plans for this project should be completed by the end of 2022.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Joey Lefante, PE, PTOE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**14**
TITLE	**Senior Associate, Traffic 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	With over 14 years of experience working on major traffic projects, preparing feasibility studies and interchange modification reports and leading improvements through plan design and signal construction. His experience using various analysis software packages, including TransCAD, Synchro, and VISSIM, allows him to determine innovative transportation solutions tailored to each individual situation. Joey will serve as **TRAFFIC ENGINEERING TASK LEAD** for this contract. **Joey 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.
08/19 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Traffic Engineer. Joey performed VISSIM analyses of an Alternative Technical Concept (ATC) consisting of two new flyover ramps leading to/from the Airport on the east side of the interchange and the first Diverging Diamond Interchange (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 the traffic signal design effort, including specialized DDI operations, lane closure analyses, transportation management plan and complete street accommodations such as sidewalks and a two-way cycle track.
04/11 - 06/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | 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. 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. Roundabout was analyzed using SIDRA.
05/13 - 03/19	**ESSEN LANE WIDENING | LADOTD | Baton Rouge, LA** Lead Traffic Engineer. Joey was responsible for traffic signal plans for four intersections along Essen Lane that were impacted by the widening. Traffic signal plans consist of providing all new traffic signal equipment along with fiber optic communications between the traffic signals. Multiple site visits were held to ensure feasibility of traffic signal equipment locations and avoid interference with utilities. Plans were developed according to the latest MUTCD, DOTD and City of Baton Rouge Standards and Specifications. This project required coordination with Stantec's Roadway group, DOTD, and the City of Baton Rouge.
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 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.
08/14 - 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.
11/10 - Ongoing	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Traffic Engineer. Joey 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.

08/14 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD | Lafayette, LA** Traffic Task Manager. Joey is responsible for coordination with LADOTD traffic staff and managing analysis of various geometric design alternatives. Project includes a comprehensive Vistro model and additional analyses using TransCAD, VISSIM, and Sidra software packages. Project follows the Access Justification Request (AJR) guidelines established by LADOTD and FHWA. Joey has been involved in the Context Sensitive Solutions (CSS) process, attending community meetings. Feedback from the CSS process has informed changes to ramp layouts and interchange design and has enabled Stantec to redesign several key elements to emphasize urban design principles, including pedestrian and bicycle accommodations. Joey is also in charge of documenting the project to follow LADOTD Traffic Engineering Process and Report (TEPR) Guidelines.
11/08 - 09/10	**SOUTH HARRELL'S FERRY ROAD SOUTH SHERWOOD FOREST TO MILLERVILLE| City of Baton Rouge | Baton Rouge, LA** Project Engineer. Joey created a new signal wiring diagram and chart for the intersection of South Harrell's Ferry Road and Millerville Road as well as assisted in the design process. He also created new interconnect plans for a fiber run from South Harrell's Ferry Road at South Sherwood Forest Boulevard to the intersection.
11/08 - 12/13	**STARING LANE EXTENSION AND BRIDGE | City of Baton Rouge | Baton Rouge, LA** Traffic Engineer. Joey detailed traffic signal plans for both a signal replacement at Staring Lane and Hyacinth Avenue as well as a signal modification at Staring Lane and Highland Road. He also developed interconnect plans for Staring Lane between Highland Road and Hyacinth Avenue.
08/09 - Ongoing	**I -49 INNER CITY CONNECTOR STAGE 0-1, STUDY & IJR | LADOTD | Shreveport, LA** Traffic Engineer. Joey is responsible for performing NEPA investigations, developing Interchange Modification Report (IMR) and an Interchange Justification Report (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 3 alternatives representing different interchange combinations. HCS will be used to determine which roadway improvements would be necessary for each alternative.
09/08 - 04/10	**LOUISIANA STATEWIDE CFI STUDY FOR LADOTD | LADOTD | Statewide, LA** Project Engineer. Joey performed the VISSIM analysis for the ten alternatives. Each intersection included VISSIM models representing a no build condition, traditional intersection improvements, a roundabout, and a CFI treatment. Stantec performed a statewide CFI Study for the Louisiana Department of Transportation and Development (LADOTD). Stantec assessed 30+ intersections as potential CFI conversion candidates, as well as other innovative intersection alternatives. This included performing field visits and initial screening measures to reduce the 30+ to 10 potential options. Stantec then performed conceptual intersection design, safety analysis, traffic analysis (using VISSIM), and cost estimates for five intersections chosen and presented this information to LADOTD.
10/10 - 05/14	**CLEARVIEW PARKWAY (LA 3152) AT AIRLINE DRIVE (US 61) CFI STUDY | New Orleans Regional Planning Commission | New Orleans, LA** Project Engineer. Joey assisted on the team performing a Stage 1 Environmental Assessment for the Clearview Parkway Corridor to investigate and produce concept designs for potential improvements at the Airline Drive intersection. He built and modeled multiple intersection alternatives for the Airline Drive corridor using VISSIM micro-simulation software. The alternatives modeled included additional turn lanes, a Continuous Flow Intersection (CFI), and an overpass. The models were used to produce measures of effectiveness for comparing the alternatives such as delay, level of service, and throughput.
01/13 - 06/13	**MTP REFINEMENT: ROAD SAFETY ASSESSMENT/GAUSE BOULEVARD (US 190) | New Orleans Regional Planning Commission | Slidell, LA** Traffic Engineer. Stantec assessed road safety of a high-accident corridor with the objective of identifying the different safety issues as well as recommending potential safety improvements. Joey worked as part of our team to gather and analyze crash data, traffic volumes, traffic speed, signal timings and phasing information from the RPC and other resources. Also provided an inventory of pertinent roadway elements such as lane width, pavement markings, signage, and 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. Cost estimates for improvements were also provided to help with programming the safety enhancements to the corridor.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Joseph Barker, PE, PTOE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**4**
TITLE	**Traffic Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**6**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2011 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 40664 | LA | 09/30/2024**			
YEAR REGISTERED	**2016**	DISCIPLINE	**Civil Engineering | PTOE #4364, 2017**	

Contract role(s) / brief description of responsibilities	Joseph has over 10 years of experience in transportation planning and traffic engineering. He specifically has interest in sustainable transportation planning, urban mobility, tactical urbanism, equitable placemaking, and the promotion of active modes of transportation. Joseph will perform **TRAFFIC ENGINEERING** for this contract. **Joseph meets the Minimum Personnel Requirements (MPRs) #5 and is available to support traffic scope if needed.**
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 INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Traffic Engineer. Joseph assisted with the signal design services for what will be one of the first diverging diamond interchanges in the State of Louisiana. Completed signal layouts, design plans, and signal timings. The project consists of a Diverging Diamond Interchange, in addition to flyover ramps leading to/from the Airport on the east side of the interchange.
01/18 - Ongoing	**ROUGH EDGE ROAD INTERCHANGE | City of Ruston | Ruston, LA** Traffic Engineer. Stantec was selected to perform a traffic impact study for an upgraded bypass corridor through southeast Ruston and a proposed interchange at the intersection of Interstate Highway 20 (I-20) and Rough Edge Road in Lincoln Parish. Joseph provided traffic engineering services including, but not limited to, growth rate determination, traffic forecasting, trip distribution, trip generation, origin-destination analysis, peak period/hour determination, Vistro modeling, project research, technical writing/documentation.
02/18 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD | Lafayette, LA** Traffic Engineer. Joseph is responsible for traffic analysis and environmental documentation of various geometric design alternatives. Project includes a comprehensive Vistro model and additional analyses using TransCAD, VISSIM, and Sidra software packages. Project follows the Access Justification Request (AJR) guidelines established by LADOTD and FHWA. Joseph has been involved in the Context Sensitive Solutions (CSS) process that has allowed for informed changes to ramp layouts and interchange design and has enabled Stantec to redesign several key elements through a Tiered Analysis approach to emphasize urban design principles, including pedestrian and bicycle accommodations. Joseph is documenting the project to follow the LADOTD Traffic Engineering Process and Report (TEPR) guidelines.
04/20 - 07/20	**LOUISIANA ROUNDABOUT ENVIRONMENTAL FACTOR DEVELOPMENT | ULL | Baton Rouge, LA** Traffic Engineer. Stantec was tasked to develop the Environmental Factor (EF) required for the planning and design of roundabouts in Louisiana using the SIDRA software. The EF is used as a calibration parameter to account for Louisiana specific factors that impact capacity estimated using SIDRA models. An accurate EF is important for efficient roundabout design. Joseph was responsible for all SIDRA analysis for five sample data sets at existing roundabout approaches in Louisiana. The analysis involved an iterative process of completing SIDRA analysis for saturated flow data sets at each approach to determine the EF that would most closely calibrate the analysis outputs to real-world capacity. The findings of the study were to be used by LADOTD to revise the SIDRA methodology for all roundabout analysis in Louisiana.
06/16 - 02/18	**I-10 AT LA 73 (LA 74 TO LA 621) STAGE 0 FEASIBILITY AND TIER ANALYSIS | LADOTD | Prairieville, LA** Project Engineer. Provided a Stage 0 Feasibility Study and environmental inventory for LADOTD, documented in accordance with NEPA requirements, to evaluate conceptual alternatives and no-build for the LA 73 corridor to improve traffic operations. A traffic engineering study and Tiered Interchange Analysis report were completed to study a comprehensive number of interchange alternatives and analyze the operational and safety improvements associated with each. Improvements in operations and safety through conceptual geometric design were also analyzed. Detailed crash analysis was completed to determine segments, intersections, or spot locations with abnormal crash rates.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Andy Griffith, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**8**
TITLE	**Traffic Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2013 | Civil Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 42906 | LA | 03/31/2023**			
YEAR REGISTERED	**2018**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Andy has been involved with several large and small transportation projects along with a large design-build pump station project. Most of his experience in transportation projects has dealt with traffic, transit, and intelligent transportation systems (ITS). Andy is familiar with several industry software programs, including AutoCAD, MicroStation, ProjectWise, SpecsIntact, Vissim, and Vistro. Andy will perform **TRAFFIC ENGINEERING** 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.
01/14 - 08/17	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, LA** Traffic Engineer. Andy was responsible for creating temporary traffic signal plans using MicroStation to be used during reconstruction of select intersections. The temporary signal plans involved coordinating temporary signal pole & equipment locations throughout multiple phases of construction.
11/14 - Ongoing	**I-49 LAFAYETTE CONNECTOR | LADOTD | Lafayette, LA** Traffic Engineer. Andy performed data analysis concerning level of service (LOS) on existing conditions and several possible future conditions. He also created exhibits in AutoCAD and Excel to help others interpret this data and his findings. Andy has also been creating VISSIM models of the downtown core area of the project based on LADOTD's microsimulation policy requirement for alternative analysis purposes.
03/14 - 12/15	**I -49 INNER CITY CONNECTOR STAGE 0-1, STUDY & IJR | LADOTD | Shreveport, LA** Traffic Engineer. Andy assisted in performing data analysis using HCS software. He compiled the analysis results into tables and figures using Excel and AutoCAD which provided a comparison of three different build alternatives.
01/15 - 07/16	**TRAMLINKBR: ENVIRONMENTAL AND CONCEPTUAL ENGINEERING PHASE | City of Baton Rouge | Baton Rouge, LA** Project Engineer. Andy created a detailed VISSIM model for visualization of tram operations involving automobiles, trams (light rail vehicles), and pedestrians. Andy also combined existing data of utility locations from the City of Baton Rouge and utility companies with new survey data to analyze potential conflicts concerning both buried and aboveground utilities.
03/19 - Ongoing	**PORT ALLEN CANAL BRIDGE ITS | LADOTD | Port Allen, LA** Plan Developer. Andy is responsible for detailing ITS plans for new and existing ITS devices along LA-1 in conjunction with the construction of the new Port Allen Canal bridge.
02/18 - 06/18	**SIGNAL COMMUNICATIONS UPGRADE PHASE 1 | LADOTD | Baton Rouge, LA** Project Manager/ITS Engineer. Andy was responsible for detailing ITS plans for a network that included 36 traffic signal & ITS cabinets in the Baton Rouge, Louisiana area. Stantec provided construction support services for this project. Construction ended December 2020

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Stephen Mensah, PhD, PE, PTOE, RSP1**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**10**
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 is a transportation and traffic engineer, with over 15 years of experience, specializing in traffic analysis, design and operations. His work experience includes highway safety analysis, traffic impact studies, systems engineering analysis, regional ITS architecture development and traffic signal design. Stephen served as a member of the TRB Committee for Application of Emerging Technologies to Design and Construction. Stephen will perform **TRAFFIC ENGINEERING** and safety analyses required for this contract. **Stephen meets the Minimum Personnel Requirements (MPRs) #5 and is available to support traffic and safety scope if needed.**
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 - Ongoing	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Safety Engineer. Stephen is responsible for the safety analysis of the bridge, ramps, and roadway included in the Transportation Management Plan and the Interchange Modification Report for this Design-Build project.
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.
07/15 - 06/18	**US 90 INTERCHANGE AT LA 318 DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Safety Analyst. Stephen was responsible for the safety analysis to ensure and effective TMP is deployed to mitigate crashes during the construction phase. US 90 was a major principal arterial and the at-grade intersection with LA 318 was converted into a grade separated interchange.
05/12 - 12/17	**GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN | LADOTD | Baton Rouge, LA** Safety Analyst. Stephen was responsible for the safety analysis of implementing a road diet and bike lanes along this corridor, converting a four-lane urban principal arterial into a three-lane corridor with new bike lanes, improvements to sidewalks and the streetscape. The substantive safety analysis was based on the methodology prescribed in the HSM and Human Factors Guide. The outcome of the safety and traffic analysis helped to develop conceptual alternatives to increase traffic safety and improve access management on this corridor. Stephen also performed a crash analysis of the existing corridor for the Stage 0 study to identify high accident locations.
04/20 - 07/20	**LOUISIANA ROUNDABOUT ENVIRONMENTAL FACTOR DEVELOPMENT | ULL | Baton Rouge, LA** Traffic Engineer. Stantec was tasked to develop the Environmental Factor (EF) required for the planning and design of roundabouts in Louisiana using the SIDRA software. The EF is used as a calibration parameter to account for Louisiana specific factors that impact capacity estimated using SIDRA models. An accurate EF is important for efficient roundabout design. Stephen participated in the iterative process of completing SIDRA analysis for saturated flow data sets at each approach to determine the EF that would most closely calibrate the analysis outputs to real-world capacity. The findings of the study were to be used by LADOTD to revise the SIDRA methodology for all roundabout analysis in Louisiana.
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. Stephen developed the system engineering analysis to deploy ITS devices in the corridor.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Brian Johnson, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**17**
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 brings over 22 years of engineering experience specifically related to structural projects and serves as the Structural Section Manager in the Baton Rouge office. His primary expertise lies in analysis, design, rating, inspection, and rehabilitation of bridges. Brian has managed bridge projects with a variety of structure types such as prestressed concrete girders, steel truss vertical lift bridges, long span steel trusses, horizontally curved steel plate girders, concrete box culverts, and retaining walls. He has overseen several NSBI bridge inspection projects and been involved in several hydraulic studies for bridge replacement projects in both Mississippi and Louisiana. Brian will provide **STRUCTURAL SUPPORT (AS NEEDED)** 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 INTERCHANGE DESIGN-BUILD | LADOTD Contract No. H.011670 | Kenner, LA** Lead Structural Engineer. Brian leads the structural design efforts of two new flyover ramps, one bridge widening, noise barriers, precast box culverts, roadway and pier protection barriers, and miscellaneous structural elements. During design Brian orchestrated a series of meetings with the contractor, fabricators, vendors, and suppliers to optimize and streamline the design. He oversees construction support which includes shop drawing reviews, addressing RFIs, and providing construction engineering services.
07/15 - 06/18	**US 90 INTERCHANGE AT LA 318 DESIGN-BUILD | LADOTD | St. Mary Parish, LA** Structural QA/QC Manager. Brian served as the structural quality control manager for this design-build project which consisted of a new twin structures and a diamond interchange. This stretch of US 90 has been designated as the future I-49 corridor. 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. Bridge approaches for all three structures consisted of a mechanically stabilized earth wall (MSEW) system supported by a cast-in-place load transfer platform using over 8,000 timber and concrete piles. Brian 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.
12/15 - Ongoing	**NELSON ROAD EXTENSION AND BRIDGE | LADOTD Contract No. H.005967 | Lake Charles, LA** Structural Engineer. Brian managed the bridge and structural design efforts from preliminary to final plans. He performed quality review of bridge design, plans and specifications for this bridge extension to the surrounding roadway network. Project tasks 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. In addition, he led the inspection of an existing sign truss to ensure it could be reused for the current project.
08/14 - 07/19	**WEST PRIEN LAKE ROAD RELOCATION | LADOTD | Lake Charles, LA** Lead Structural Engineer. This project realigned existing W. Prien Lake Road north of the existing Nelson Road Interchange at I-210 in Lake Charles. 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.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Scott Hoffeld, CEP**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**3**
TITLE	**Senior Project Manager, Environmental**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**26**
DEGREE(S) / YEARS / SPECIALIZATION	**MS | 1994 | Resource Management and Administration; BA | 1989 | Economics**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**CEP No. 02040408 | LA | 3/31/2022**			
YEAR REGISTERED	**2002**	DISCIPLINE	**Certified Environmental Practitioner**	

Contract role(s) / brief description of responsibilities	Scott is a Senior Environmental and Transportation Planner with over 29 years of NEPA and permitting experience for LADOTD, spanning form CEs, EAs and re-evaluations to complete multi-phased and 3rd party EISs and SEISs. His LADOTD experience includes 404 wetland, scenic stream and bridge permitting; agency coordination; public outreach; and a variety of corridor and site impact analyses, needs and alternatives justification evaluations, and the communication/presentation of complex information to mixed audiences. Scott will provide **ENVIRONMENTAL SUPPORT** 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.
10/15 - 03/17	**EA AND REEVALUATION FOR DIJON EXTENSION IMPROVEMENTS | City of Baton Rouge H.012233/H.012232 | Baton Rouge, LA** Project Manager responsible for EA and public outreach for short connector roadway between LA 3064 (Essen Lane) and LA 1248 (Bluebonnet Boulevard) in Baton Rouge. The project involved coordination with the Our Lady of the Lake and The General hospitals regarding future development plans, as well as consideration of future bikeway plans for the City of Baton Rouge.
02/04 - 09/05	**I-210 AT COVE LANE INTERCHANGE IMPROVEMENTS AND EA | LADOTD | Lake Charles, LA** NEPA Project Manager. Scott worked with Stantec, formerly ABMB during this project. He served as NEPA Project Manager for this aggressive seven-month NTP to FONSI, high-profile interstate interchange improvement project in Lake Charles. Project need is related to a new casino special traffic generator. Expedited work included completion of outreach, field work, and analysis of six build alternatives within six weeks of the NTP. Special NEPA documentation and review protocols were proposed and approved by LADOTD and FHWA, enabling environmental streamlining and reduction of schedule by over 55 percent.
12/14 – 12/17	**US 11 NORFOLK SOUTHERN RAILROAD OVERPASS REPLACEMENT | LADOTD SP No. H.000688 | Orleans Parish, LA** Project manager for replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad in Slidell, Louisiana. Project included evaluation of partial and full-access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell. Key issues included the historic status of the bridge, commercial parking impacts, use of the Norfolk southern right of way, and travel pattern changes following the construction.
12/00 - 06/01	**GRAMERCY-WALLACE BRIDGE NEEDS/ALTERNATIVES ANALYSIS, WETLAND PERMITTING ASSISTANCE | LADOTD | St. John the Baptist and James Parishes, LA** Project Transportation and Environmental Planner responsible for developing needs statement, alternate constraints map, and alternate alignments, as well as the preparation of the supplemental information report and graphics. Project proposed to complete a section of a bridge approach, delayed by funding issues. The extension/completion of the West Bank Approach was documented as a very important link for hurricane evacuation, as well as providing local and commercial transportation benefits through reduced travel times and lower average operational costs per mile. Eight alternate alignments were developed. Detailed preliminary conceptual cost estimates were prepared, and all alignments were compared in a matrix. The proposed alignment is currently under permitting with the USACE.
02/16 - 12/17	**FLORIDA AVENUE IMPROVEMENTS | LADOTD | Orleans and St. Bernard Parishes, LA** Scott was responsible for team coordination and public/stakeholder outreach oversight and agency coordination. The project alternatives include a new bridge over the Inner Harbor Navigation Canal, as well as optional roadway improvements, and neighborhood traffic calming for neighborhoods in the vicinity of the project alternatives, including 9th Ward of New Orleans. Key issues include truck traffic, property values, and environmental justice concerns.
02/04 - 09/05	**I-210 AT NELSON ROAD INTERCHANGE IMPROVEMENTS | LADOTD | Orleans and St. Bernard Parishes, LA** NEPA Project Manager. Scott worked with Stantec, formerly ABMB during the project. Project need is related to a new casino special traffic generator. Expedited work included completion of outreach, field work, and analysis of six build alternatives within six weeks of the NTP. Special NEPA documentation and review protocols were proposed and approved by LADOTD and FHWA, enabling environmental streamlining and reduction of schedule by over 55 percent

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Derrick Goudeau, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**4**
TITLE	**Senior ITS/Electrical Engineer**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**15**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2003 | Electrical Engineering**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 33288 | LA | 09/30/2023**			
YEAR REGISTERED	**2007**	DISCIPLINE	**Electrical and Computer Engineering**	

Contract role(s) / brief description of responsibilities	Derrick has over 19 years of experience in the design and development of ITS and electrical power, lighting, control, and related systems. He has been responsible for the preparation of plans and specifications (design and development) of ITS, lighting and electric power engineering projects, from design to final construction inspection. Other design experience includes QC/QA review, calculations, data collection, and report preparation. During the construction phase, Derrick has provided CE&I services to support the owner and verify general conformance with the design including review of shop drawing and equipment submittals, respond to request for information, review/prepare as-built drawings, review payment applications, and perform periodic inspection and final system acceptance. He is also well-versed in industry codes and standards, including the 2020 NEC (NFPA 70) and 2018 NFPA 70E in which he has recently completed training courses. Derrick will provide **ELECTRICAL AND ITS SUPPORT** 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.
03/13 - 05/15	**I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT | LADOTD | Lake Charles, LA** Engineer of Record/Electrical. Project limits are from the East foot of the I-210 Lake Prien Bridge through the I-210/Cove Lane Interchange. Project included coordinating roadway lighting design with the new interchange which was already in construction. This 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. 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.
04/11 - 06/15	**I-12 AT US-11 INTERCHANGE LIGHTING | LADOTD H.000687 | Slidell, LA** Quality Assurance/CE&I. 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. Derrick performed Quality Assurance review for this project and provided CE&I services through construction.
03/13 - 02/18	**I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING | LADOTD H.010440 | Lake Charles, LA** Engineer of Record. 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.
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.
05/16 - 03/21	**STATE HIGHWAY 288 TOLL LANES | TxDOT - Houston District | Houston, TX** Engineer of Record (illumination). 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. 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. 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. Derrick provided technical support during construction.

FIRM EMPLOYED BY	**Stantec Consulting Services Inc.**			
NAME	**Joseph "Keith" Palermo, PE, PLS**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**<1**
TITLE	**Construction Manager**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**27**
DEGREE(S) / YEARS / SPECIALIZATION		**BS | 1993 | Civil Engineering**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		**PE No. 27665 | LA | 3/31/2024**		
YEAR REGISTERED	**1998**	DISCIPLINE	**Civil Engineering; PLS No. 4791 | LA**	

Contract role(s) / brief description of responsibilities	Keith has 28 years of engineering experience in the maintenance and construction of roads and bridges gained through employment with the Louisiana Department of Transportation and Development. (LADOTD). He is experienced in working with local, state, and federal officials. Keith will provide **CONSTRUCTION SUPPORT MANAGEMENT** 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.
09/13 - 07/22	**LADOTD, DISTRICT 61 | LA** Engineer/Project Engineer. Responsible for all maintenance, construction, and contract maintenance for a four-parish area (Pointe Coupee, West Baton Rouge, East Feliciana, and West Feliciana), including all aspects of construction contract administration and maintenance programming needs. Responsible for the productivity of two Project Engineer offices and four parish maintenance offices totaling approximately 74 employees. Provided input and direct project development and delivery in line with transportation needs. Developed and maintained effective working relationships with a diverse group of stakeholders, including representatives of the FHWA, US Army Corps of Engineers, industry contractors, consultants, public officials, and the general public. Planned and executed Emergency Support related to the Flood of 2016. Testified on behalf of DOTD in depositions and court cases. Since 2018, due to the lack of experienced Project Engineers, along with his normal Area Engineer duties, Keith was also the Project Engineer of DOTD's Mcmanus Project Engineer office and the Project Engineer of DOTD's Port Allen Project Engineer office.
11/12 - 09/13	**LADOTD, DISTRICT 61 | LA** Area Engineer. Responsible for all maintenance, construction, and contract maintenance, for East Baton Rouge Parish including all aspects of construction contract administration and maintenance programming needs Responsible for the productivity of two Project Engineer offices and one parish maintenance office totaling approximately 45 employees. Responsible for the maintenance and operation of seven pumping stations within East Baton Rouge Parish.
07/99 - 11/12	**LADOTD, DISTRICT 61 | LA** Project Engineer. Supervised a team of inspectors and office personnel while performing Construction Contract Administration for many types of highway and bridge construction projects, including PCC pavement, bridges, driven pile foundations, drilled shaft foundations, sound walls, asphaltic pavement, drainage structures, retaining walls, embankment and base course, repairs to movable bridges, traffic signals, traffic cameras, striping, and other incidental types of work. Planned and executed recovery activities for Hurricane Gustav contract debris removal operations in Pointe Coupee, and West Baton Rouge parishes.
03/94 - 07/99	**LADOTD, HEADQUARTERS PAVEMENT AND GEOTECHNICAL SECTION | LA** Design Engineer. Engineer in Training II. Engineer in Training I. Designed pile foundations for bridge projects throughout the state. Performed dynamic pile analysis in the field using DOTD's pile driving analyzer (PDA), evaluated the data, and made recommendations pertaining to pile driving hammer performance, pile driving criteria, pile integrity, pile stresses, and pile capacity. Performed embankment stability and settlement analyses.

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Ralph Burgess, PLS**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**11**
TITLE	**Principal Land Surveyor**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**12**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 2004 | Industrial Design & Supervision**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PLS No. 5040 | LA | 9/30/2024**			
YEAR REGISTERED	**2010**	DISCIPLINE	**Land Surveyor**	

Contract role(s) / brief description of responsibilities	Ralph will serve as **SURVEYOR TASK LEAD** for this contract. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Stantec. Ralph has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning. **Ralph meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4** 
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.
07/20 – 04/21	**COMITE RIVER DIVERSION BRIDGE AT LA 67, LA 19 AND LA 19 RAILROAD BRIDGE | LADOTD H.001352.5 & H.002273.5 | East Baton Rouge Parish, LA** Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18 - 01/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** Surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
07/17 - 12/18	**LA 30 ROUNDABOUT AT TANGER I-10 | LADOTD H.010960.5-2 | Ascension Parish, LA** Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
01/16 - 08/16	**US 190 SUPERSTREET | LADOTD H. 005733.5 | St. Tammany Parish, LA** Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.
10/15 - 12/18	**I-10 TEXAS STATE LINE –EAST OF COONE GULLY | LADOTD H.003184.5 | Calcasieu Parish, LA** Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals.
08/16 - 12/17	**I-49 SOUTH AT VEROT SCHOOL ROAD | LADOTD H.011235 | Lafayette, LA** Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data.

02/14 - 03/17	**I-49 DESIGN-BUILD | LADOTD H.010620 | Lafayette, LA** Survey Manager for the project. Ralph managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced **ROW maps** for the project. His duties for this portion also included title reports, review of property surveys and final submittal of final existing right of way plans.
08/20 - 07/22	**GREYBOW RD. PALMETTO CREEK | LADOTD H.013989 | LA** Survey Manager for the project. He managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced **ROW maps** for the project. His duties for this portion also included title reports, review of property surveys and final submittal of final right of way plans.
08/20 - 07/22	**CARPENTERS BRIDGE RD. WHISKEY CHITTO CREEK | LADOTD H.013958 | LA** Survey Manager for the project. He managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced **ROW maps** for the project. His duties for this portion also included title reports, review of property surveys and final submittal of final right of way plans.
08/20 - 08/22	**LA 961 BRIDGE AT BEAMON RD. BAYOU MARINGOUIN | LADOTD H.013956 | Pointe Coupee Parish, LA** Survey Manager for the project. He managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced **ROW maps** for the project. His duties for this portion also included title reports, review of property surveys and final submittal of final right of way plans.

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Chris Ballard, PLS**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**6**
TITLE	**Survey Project Manager**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**19**
DEGREE(S) / YEARS / SPECIALIZATION		**BS | 2004 | Biological Science**		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		**PLS No. 5033 | LA | 9/30/2024**		
YEAR REGISTERED	**2010**	DISCIPLINE	**Land Surveyor**	
Contract role(s) / brief description of responsibilities	Chris will serve as a **SURVEYOR** for this contract. Chris has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning. **Chris meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4**			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.
01/18 - 01/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** Surveying Project Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
04/17 - 07/17	**LA 58 PETIT CAILLOU BRIDGE REHABILITATION (SARAH BRIDGE) | LADOTD H.010006.5-3 | Terrebonne Parish, LA** Survey Project Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19 - 09/19	**BRIDGE REPLACEMENTS IN EAST FELICIANA PARISH | Rural East Feliciana Parish, LA** Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
01/17 - 12/17	**EAST BATON ROUGE PARISH BRIDGES | East Baton Rouge Parish, LA** In 2017, CD&C has performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Chris served as Survey Project Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/15 - 12/18	**I-10 TEXAS STATE LINE – EAST OF COONE GULLY | LADOTD H.003184.5 | Calcasieu Parish, LA** Survey Project Manager for this six-lane widening of I-10 Project. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
07/17 - 12/18	**LA 30 ROUNDABOUT AT TANGER I-10 | LADOTD H.010960.5-2 | Ascension Parish, LA** Survey Manager for the project. Duties included a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with **3D terrestrial scanning**.
06/11 - 09/13	**LA 42 WIDENING AND IMPROVEMENTS | LADOTD H.002372 | Ascension Parish, LA** Surveyor. Project included boundary and topography, establishing the existing ROW and acquisition of additional ROW.

10/16 - 11/16	**LA 443: TANGI RIVER BRIDGE REPLACEMENT | LADOTD H.012728.5 | Tangipahoa Parish, LA** Project Manager. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. To utilize data collection of the failed bridge, **3D Terrestrial Scanning** was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
10/15 - 01/16	**HANKS DR/LANDIS DRIVE PEDESTRIAN IMPROVEMENTS | LADOTD H.011773 | East Baton Rouge Parish, LA** Survey Project Manager. Project included a **topographic survey** and establishment of the **ROW** for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	**LA 42 WIDENING AND IMPROVEMENTS | LADOTD 260-01-0028, H.002372 | Ascension Parish, LA** Professional Land Surveyor. Project included **boundary** and **topography**, establishing the existing **ROW** and acquisition of additional ROW.

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Philip Dupree**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**10**
TITLE	**Survey Party Chief**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**30**
DEGREE(S) / YEARS / SPECIALIZATION	**NSPS Certified Technician | Level III, Boundary Cert No. 0799-1106 | Nationwide**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	Philip will serve as a **SR. SURVEY PARTY CHIEF** for this contract. He will work to oversee a crew as well as aide in coordinating all crews with Survey PM to ensure field work is being completed timely and accurately.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
07/20 – 04/21	**COMITE RIVER DIVERSION BRIDGE AT LA 67, LA 19 AND LA 19 RAILROAD BRIDGE | LADOTD H.001352.5 & H.002273.5 | East Baton Rouge Parish, LA** Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.			
01/18 - 02/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.			
07/17 - 12/18	**LA 30 ROUNDABOUT AT TANGER I-10 | LADOTD H.010960.5-2 | Ascension Parish, LA** Field coordinator on this project by working specifically to set the control on the job and overseeing field crews as they work to complete the topography.			
10/15 - 12/18	**I-49 SOUTH AT VEROT SCHOOL ROAD | LADOTD H.011235 | Lafayette, LA** Field coordinator on this project. He resurrected the original control set on the project and oversaw the checking of it. Mr. Dupree was the field coordinator with the R/R and also the SUE contractor on the project. He oversaw all field crews and ensured that the project was completed accurately and timely.			
01/16 - 08/16	**US 190 SUPERSTREET | LADOTD H.005733.5 | St. Tammany Parish, LA** Field coordinator on this urban roadway topography project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule.			
10/16 - 11/16	**LA 443: TANGI RIVER BRIDGE REPLACEMENT | LADOTD H.012728.5 | Tangipahoa Parish, LA** Field coordinator on this project. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey.			
07/14 - 10/15	**NORTH ST. TO PLANK ROAD | LADOTD H.010319.5 | Baton Rouge, LA** Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.			
10/14 0 12/14	**WEST PRIEN LAKE | LADOTD H.011088.5 | Lake Charles, LA** Sr. Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.			

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Jason Stoehr**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**5**
TITLE	**Survey Party Chief**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**N/A**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	Jason will serve as a **SURVEY PARTY CHIEF** for this contract. He will manage a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
07/20 – 04/21	**COMITE RIVER DIVERSION BRIDGE AT LA 67, LA 19 AND LA 19 RAILROAD BRIDGE | LADOTD H.001352.5 & H.002273.5 | East Baton Rouge Parish, LA** Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18 - 01/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17 - 12/18	**LA 30 ROUNDABOUTS AT TANGER I-10 | LADOTD H.010960.5-2 | Ascension Parish, LA** Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16 - 01/18	**I-49 SOUTH AT VEROT SCHOOL ROAD | LADOTD H.011235 | Lafayette, LA** Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
02/19 - 09/19	**BRIDGE REPLACEMENTS IN EAST FELICIANA PARISH | Rural East Feliciana Parish, LA** Jr. Party Chief on this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA’s policies and procedures.
7/17 – 12/18	**I-10 TEXAS STATE LINE –EAST OF COONE GULLY | LADOTD H.003184.5 | Calcasieu Parish, LA** Instrument Man on this project by aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Trent Norris**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**8**
TITLE	**Senior Technician**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**0**
DEGREE(S) / YEARS / SPECIALIZATION	**NSPS Certified Survey Technician | Level I Boundary Certificate No.: 0418-5963**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	Trent will serve as a **SR. TECHNICIAN** for this contract. He serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.
01/18 - 01/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** 3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17 - 12/18	**LA 30 ROUNDABOUTS AT TANGER I-10 | LADOTD H.010960.5-2 | Ascension Parish, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
04/17 – 07/17	**LA 58 PETIT CAILLOU BRIDGE REHABILITATION (SARAH BRIDGE) | LADOTD H.010006.5-3 | Terrebonne Parish, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
08/16 – 01/18	**I-49 SOUTH AT VEROT SCHOOL ROAD | LADOTD H.011235 | Lafayette, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/16 – 10/16	**LA 443 EMERGENCY BRIDGE REPLACEMENT | LADOTD H.012728.5 | Tangipahoa Parish, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/15 - 12/18	**I-10 TEXAS STATE LINE –EAST OF COONE GULLY | LADOTD H.003184.5 | Calcasieu Parish, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
01/16 - 07/16	**US 190 SUPERSTREET | LADOTD H. 005733.5 | St. Tammany Parish, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Scott Benton**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**5**
TITLE	**Senior Technician**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**5**
DEGREE(S) / YEARS / SPECIALIZATION	**N/A**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**			
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**	
Contract role(s) / brief description of responsibilities	Scott will serve as a **SENIOR TECHNICIAN** for this contract. He is specialized in 3D Terrestrial Scanning, processing, and extraction.			

Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.
12/19 – 01/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** 3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
03/14 – 06/14	**CLEO ROAD ROUNDABOUT | LADOTD H.008369 | St. Tammany Parish, LA** Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13 – 07/13	**LA 1 RAILROAD BRIDGE AT DOW | LADOTD H.009288 | West Baton Rouge, LA** Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
02/13 – 06/13	**LA 447 | LADOTD H.005693 | Walker, LA** Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C’s responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.
10/14 – 12/14	**WEST PRIEN LAKE | LADOTD H.011088.5 | Lake Charles, LA** Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
07/14 – 10/15	**I-110 NORTH ST. TO PLANK ROAD | LADOTD H.010319.5 | Baton Rouge, LA** 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting necessary topographic data from them thru TopoDot to put into InRoads.

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**				
NAME	**Jacob Stoehr**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**7**	
TITLE	**Survey Party Chief**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**1.5**	
DEGREE(S) / YEARS / SPECIALIZATION	**N/A**				
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**N/A**				
YEAR REGISTERED	**N/A**	DISCIPLINE	**N/A**		
Contract role(s) / brief description of responsibilities	Jacob will serve as a **SURVEY PARTY CHIEF** for this contract. He manages a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.				
01/18 - 01/20	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 | LADOTD H.004100 | West and East Baton Rouge, LA** Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.				
07/17 - 12/18	**LA 30 ROUNDABOUT AT TANGER I-10 | LADOTD H.010960.5-2 | Ascension Parish, LA** Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
08/16 - 01/18	**I-49 SOUTH AT VEROT SCHOOL ROAD | LADOTD H.011235 | LAFAYETTE, LA** Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
05/17 - 07/17	**ROUNDABOUT US 171 AT BOONE STREET | LADOTD H.011909.5-2 | Vernon Parish, LA** Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
01/16 - 08/16	**US 190 SUPERSTREET | LADOTD H. 005733.5 | St. Tammany Parish, LA** Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
10/15 - 12/18	**I-10 TEXAS STATE LINE –EAST OF COONE GULLY | LADOTD H.003184.5 | Calcasieu Parish, LA** Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
10/16 – 11/16	**LA 443 EMERGENCY BRIDGE REPLACEMENT | LADOTD H.012728.5 | Tangipahoa Parish, LA** Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				

FIRM EMPLOYED BY	**Civil Design & Construction, Inc. (CD&C)**			
NAME	**Karla Weston, PE**		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	**17**
TITLE	**President**		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	**6**
DEGREE(S) / YEARS / SPECIALIZATION	**BS | 1999 | Civil Engineer**			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	**PE No. 31010 | LA | 3/31/2023**			
YEAR REGISTERED	**2004**	DISCIPLINE	**Civil Engineering**	

Contract role(s) / brief description of responsibilities	Karla has over 23 years of civil engineering experience. She started CD&C, a small woman-owned business in 2005. Karla has worked with over 10 Corps of Engineering Districts throughout the U.S. She has also worked with various state and local agencies providing civil engineering, surveying, and SUE services. Karla will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards. Karla will perform **ROADWAY SUPPORT (AS NEEDED)** 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.
02/16 - 09/19	**PECUE LANE/I-10 INTERCHANGE | H.003047 | Baton Rouge, LA** Principal in Charge. Karla oversaw CD&C's role as a subconsultant for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She worked to oversee the firm's design, coordinate with the prime consultant and government agencies.
12/13 – 10/19	**GRAMERCY BRIDGE | H.02960 | St. James Parish, LA** Principal in Charge. Karla oversaw CD&C's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project.
02/14 - 02/15	**I-49 DESIGN BUILD | H.010620 | Lafayette, LA** QA/QC. Karla provided QA/QC review for the Roadway Design Plans on this Design-Build Project.
05/13 – 05/14	**LA 1 RAILROAD BRIDGE AT DOW | H.009288.5 | West Baton Rouge Parish, LA** Principal in Charge. Karla oversaw CD&C's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She worked to oversee the firm's design, coordinate with the prime consultant and government agencies.
06/12 – 10/12	**LA 1 RAILROAD BRIDGE AT DOW | H.009288.5 | West Baton Rouge Parish, LA** Principal in Charge. Karla oversaw CD&C's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She worked to oversee the firm's design, coordinate with the prime consultant and government agencies.
01/06 – 12/12	**EBR CITY/PARISH PROJECT NO. 06-CS-HC-0018, FAIRCHILD-BADLEY ROADWAY | East Baton Rouge Parish, LA** Principal in Charge. This project was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.
06/18 – 05/19	**COMITE RIVER DIVERSION – US 61 & KCS BRIDGES | East Baton Rouge Parish, LA** Lead Cost Engineer. These bridge projects which are part of the Comite River Diversion project. The project included roadway, bridges, and associated channel improvements. Karla helped provide a complete contractor style estimate including all material costs and quotes, hauling and disposal quotes; labor and equipment prices; and all tasks and assemblies for these items.
12/19 -12/20	**COMITE RIVER DIVERSION – BAYOU BATON ROUGE DROP STRUCTURE | East Baton Rouge Parish, LA** Lead Cost Engineer. This project included bridge and roadway improvements as part of the Comite River Diversion project. Karla helped provide a complete contractor style estimate including all material costs and quotes, hauling and disposal quotes; labor and equipment prices; and all tasks and assemblies for these items.

17. **Firm Experience:**

FIRM NAME	**Stantec Consulting Services Inc.**	PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic**
PROJECT NAME	**LADOTD RETAINER CONTRACT FOR ROADWAY PROJECTS**	FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**H.4400002748**	OWNER'S NAME	**Louisiana Department of Transportation and Development**
PROJECT LOCATION	**Statewide, Louisiana**	OWNER'S PROJECT MANAGER	**Ryan McMillan**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access, Baton Rouge, LA 70808 | 225-379-1388 | ryan.mcmillan@la.gov**		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**10/12**	TOTAL CONSULTANT CONTRACT COST ($1,000's)	**$2,835.2**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**12/21**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)	**$2,567.3**

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

Under this retainer, Stantec helped LADOTD deliver improvements on major congested roadway corridors, providing relief to these areas for years to come.

Task orders for this retainer contract focused primarily on major corridors in congested areas that needed improvements to provide relief. We provided **topographic surveys**, roadway design, hydraulic analysis & design, structural design, traffic analysis & modeling, traffic control, signal design, and construction plans for these projects as required. Prior to each submittal we performed **internal and independent quality reviews** to ensure seamless integration of all disciplines in well-organized, constructible plan sets. In addition, we evaluated these corridors for complete streets implementation in accordance with LADOTD and local policies and guidance.

TASK RELEVANCE:

- ☑ Traffic Control Design, Traffic Signal Analysis & Design
- ☑ Preliminary & Final Roadway Design, Plan Development & Cost Estimates
- ☑ Hydraulic Analysis & Design
- ☑ Road Design Services during Environmental
- ☑ Special Provisions
- ☑ TMP
- ☑ Quality Review
- ☑ Construction Support

Essen Lane Widening project: included **Roadway Design support for environmental clearance**, providing exhibits, cost estimates, and technical discussions of the project, in addition to participating in the public meeting. Following environmental clearance we **provided final roadway (including hydraulic analysis and design)**, bridge, and **signal plans** for the project, and coordinated with all parties to make sure the final construction documents were delivered in a timely manner. This project also included the development of a **Level 2 TMP** document. During the construction phase, we also **assisted District 61 with construction support** by coordinating solutions for utility conflicts, as well as answering RFIs and providing any design clarifications requested to assist the contractor in completing construction. Now complete, Essen Lane has greatly reduced congestion along the corridor, and improved mobility and accessibility for this principal arterial in Baton Rouge.

Government Street project: included **extensive traffic analysis**, modeling, and safety analysis to develop conceptual alternatives to increase traffic safety and improve access management in this highly commercial corridor. Again, the considerations of the LADOTD Complete Streets policy played a key role in deciding the alternative chosen for implementation. A "road diet" was identified as the preferred alternative including a roundabout at the intersection of Government St. and Lobdell Ave., and Stantec **developed final construction plans** for these improvements. The construction plans consisted of **roadway plans (including hydraulic analysis and design), signal warrants and plans,** as well as landscaping plans for enhancement of this corridor. During the construction phase, we **provided construction support** by answering contractor questions, providing design clarifications, and coordinating with stakeholders about access.

W. Prien Lake Road Relocation project: task order was initiated through a third party stakeholder (developer) who was willing to donate the right-of-way for the project in exchange for access related to their development. Stantec was asked to develop **preliminary and final plans** for the project, which included complete streets features such as a separated shared use path and sidewalk to promote bicycle and pedestrian mobility as well as a multi-lane roundabout. The project also featured a new signalized intersection at the relocated roadway and Nelson Road, which required our team **to develop traffic signal warrants, signal timing analyses and signal plans**. Due to the planned urban setting for this area, this project also provided subsurface drainage as well as **hydraulic analysis** of a 12'x12' multi-barrel box culvert which was also designed by Stantec's structures group. Since the improvements impacted certain areas near the Nelson Road interchange at I-210, Stantec developed a Level 2 TMP document. Stantec also **provided construction support** during the construction phase of the project, **providing timely answers to contractor RFIs** and questions, as well as reviewing shop drawings. Now complete, this project has improved traffic flow in this very congested area of Southwest Lake Charles.

TEAM MEMBERS INVOLVED: **G. HEITMAN, J. CAINS, C. HALL, J. LEFANTE, M. DAVIS, B. JOHNSON, N. PRUDHOMME, M. O'ROURKE, S. MENSAH, A. GRIFFITH, H. KREBS, M. NEUMANN**

FIRM NAME	**Stantec Consulting Services Inc.**	PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Traffic, Road**
PROJECT NAME	**DOTD RETAINER CONTRACT FOR TRAFFIC ENGINEERING ROAD MANAGEMENT**	FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**4400002787**	OWNER'S NAME	**Louisiana Department of Transportation and Development**
PROJECT LOCATION	**Statewide, Louisiana**	OWNER'S PROJECT MANAGER	**Joshua Harrouch, PE**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access Road, Baton Rouge, LA 70802 | 225--242-4640 | joshua.harrouch@la.gov**		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**02/13**	TOTAL CONSULTANT CONTRACT COST ($1,000's)	**$2,024**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**03/18**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)	**$1,724**

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

Under this retainer, Stantec designed four roundabout projects, including: Cleo Road, US 79 Bypass at LA 9, LA 75 Roundabouts (Plaquemine), LA 86 & LA 320 Roundabout (New Iberia) and US 79 at LA 9 (Homer). Stantec also designed the LA 447 / I-12 Interchange under this contract.

TASK RELEVANCE:

- ☑ Traffic Analysis & Design
- ☑ Roadway Design
- ☑ Roundabout Design (Single/ Multilane)
- ☑ Quantities/Cost Estimates
- ☑ Utility Coordination
- ☑ TMP

US 11 at Cleo Road (Pearl River, LA): Stantec was chosen to perform the design and construction plans for the proposed single-lane roundabout at the un-signalized intersection. Because of the close proximity to the interstate and truck-related businesses, the roundabout was designed to ensure that **interstate-sized trucks can maneuver through** and around the roundabout. To maintain all movements during construction of the roundabout, Stantec developed a **maintenance-of-traffic plan** that included the use of runaround detours and temporary signalization for US 11, as well as Cleo Road. While the initial intersection is a three-leg roundabout, Stantec designed a fourth leg that connects to the north side. The temporary and permanent designs took into account the existing properties to avoid relocations or unnecessary impacts. As with all of our projects, our team worked closely with DOTD to meet all project goals.

LA 75 Roundabout (Plaquemine, LA): This project replaced two closely spaced signalized intersections on LA 75 with single-lane roundabouts as a measure to **better control speeds and improve safety** along the corridor. Stantec designed both single-lane roundabouts to support future modifications to multi-lane roundabouts with minimal effort, if traffic conditions warrant. Detailed traffic maintenance plans were required to ensure the roundabouts can be constructed while still maintaining traffic on this roadway as property development detours around the construction areas could not be provided. This project was a win for all – the community, property owners, and the traveling public. Stantec was responsible for all designs including the **drainage consisting of a mix of open ditch drainage with paved gutter drains** and a few short segments of subsurface drainage, and all details required in the construction plans.

LA 86/320 Roundabout (New Iberia, LA): Stantec developed detailed construction phasing plans and designed underground drainage systems to close existing open ditches in some areas. The large farm vehicles and trailers that use the roads required special consideration in the roundabout design to accommodate larger vehicle maneuvering. Stantec developed all design and construction plans for the project, working closely with DOTD to meet goals and the needs of the roadway users.

LA 447/I-12 Interchange (Walker, LA): This project improved the existing ramp terminal intersections for the diamond interchange at LA 447 and Interstate 12. All improvements were within the existing right-of-way, which saved DOTD time and money, and prevented property impacts to residents and business owners. To ease driver headaches caused by traffic impediments during the construction, our design of both roundabouts were offset from the existing ramp terminal intersections. Overall, this shortened the length of construction, while maintaining existing traffic patterns. **A Level 2 TMP was developed for the work zone.**

TEAM MEMBERS INVOLVED: **G. HEITMAN, J. CAINS, M. DAVIS, J. LEFANTE, N. PRUDHOMME, M. O'ROURKE, S. MENSAH**

FIRM NAME	**Stantec Consulting Services Inc.**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Bridge, Traffic**
PROJECT NAME	**I-210 COVE LANE EXTENSION AND INTERCHANGE**			FIRM RESPONSIBILITY (prime or sub?)	**Prime**
PROJECT NUMBER	**H.010151**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Lake Charles, 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)	**04/11**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**$6,000 (estimated)**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**03/15**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$4,400**

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

"I also want to thank the consultant, Stantec... I want to recognize you all for your forward thinking and your help in partnering and bringing everyone together to make this project successful." - *Former LADOTD Secretary, Sherri Lebas*

A **fast-tracked implementation schedule** for a proposed $600M casino/resort facility created the immediate need for improved interstate access and local street connectivity in Southwest Lake Charles. The new casino development was obligated to be open three years from the date the Gaming Commission approved the development. Our relationships with the Developer, LADOTD, and FHWA combined with our knowledge of the policies and procedures required by the state and federal agencies allowed us to facilitate a partnership to help identify the type of access needed and move quickly to a shovel-ready project.

Stantec began with the **traffic analysis** necessary to satisfy FHWA IMR policy points and DOTD's alternative development process, which resulted in 29 different interchange alternatives being analyzed individually along I-210. Once all alternatives were vetted through the process, 5 alternatives were selected to move forward into the environmental process. Stantec **provided the supporting roadway design exhibits and information necessary to obtain environmental clearance (EA/FONSI)**, while designing preliminary plans AT-RISK parallel to the environmental process so that once environmental clearance was obtained, final plans could ensue in short order to allow construction of the interchange to begin as soon as possible and be open to traffic in time for the casino's opening. The design was complex, including a tight urban diamond interchange, retaining walls on top of a load transfer platform due to poor soils, and tight right-of-way constraints which made phasing of construction and maintenance of traffic challenging. A **Level 2 TMP** was developed for this project, as this section of I-210 did not affect adjacent properties or access due to limited development at the time.

TASK RELEVANCE:

- ☑ Traffic Control Design, Traffic Signal Analysis & Design
- ☑ Preliminary & Final Roadway Design, Plan Development & Cost Estimates
- ☑ Hydraulic Analysis & Design
- ☑ Road Design Services during Environmental
- ☑ Special Provisions
- ☑ TMP
- ☑ Quality Review
- ☑ Construction Support

During the design process, **Stantec was required to coordinate closely and frequently with the Surveyor on a different team** to obtain all the topographic survey information needed for design, which presented its own challenges. In addition, the configuration of the mainline and ramps on retaining wall made **hydraulic analysis** for the area challenging, as **open ditch and subsurface drainage had to be designed to work as a system** with several design element conflicts needing to be accounted for. **With quick turnarounds for limited milestone submittals, quality review was particularly critical to the success of the project**. Stantec implemented a special "review workshop" format periodically between milestones to inform and update reviewers of the design elements, challenges, and design justifications during the delivery process. Early on in the process, **close coordination with DOTD was key in identifying the recommended traffic control** for the project, which was unique because the final recommendation proposed to implement two-way stop controlled intersections for the ramp terminals instead of signalized intersections for this tight diamond interchange. Certain design elements were new to this project, such as the load transfer platform, geogrid, liquid settlement monitoring instrumentation, scupper drains, settlement plates, and wick drains all **required special provisions to be included in the bid package**. As a result, a typical eight to ten year process of planning through construction letting was reduced to just over two years.

During the construction process, **Stantec was heavily involved in construction support** for the project due to the sensitive nature of the design, and assisted with answering RFIs, site visits, plant visits, design clarifications, and attended progress meetings for a majority of the process. Later in 2016, **ENR awarded the project Regional Best Project Award of Merit: Highway/Bridge**. For our project management efforts on the project, we were awarded a 4.9 out of 5.0 rating score by LADOTD.

TEAM MEMBERS INVOLVED: **G. HEITMAN, J. CAINS, C. HALL, M. DAVIS, J. LEFANTE, B. JOHNSON, N. PRUDHOMME, M. O'ROURKE, S. MENSAH, S. HOFFELD*, D. GOUDEAU* (*INVOLVED W/OTHER FIRM)**

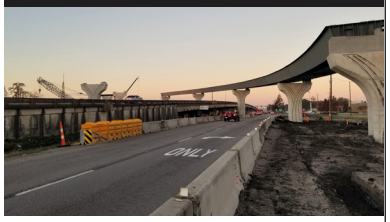
FIRM NAME	**Stantec Consulting Services Inc.**		PAST PERFORMANCE EVALUATION CATEGORY(IES)*		**Road, Bridge, Traffic**
PROJECT NAME	**I-10/LOYOLA INTERCHANGE DESIGN-BUILD PROJECT**		FIRM RESPONSIBILITY (prime or sub?)		**Sub-consultant**
PROJECT NUMBER	**H.0011670**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**New Orleans, 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)			**$8,508**

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.

TASK RELEVANCE:

- ☑ Traffic Control Design, Traffic Signal Analysis & Design
- ☑ Preliminary & Final Roadway Design, Plan Development & Cost Estimates
- ☑ Hydraulic Analysis & Design
- ☑ Road Design Services during Environmental
- ☑ TMP
- ☑ Quality Review
- ☑ Construction Support



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. 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 proposed **traffic control** for the project accommodates various modes of transportation, including vehicles, pedestrians, and bicycles. Transit also traverses through this area, although there are no bus stops in the vicinity of the proposed DDI. Prior to the approval of the design phases, **Stantec was required to develop a Level 4 TMP document** for the project.

During the Definitive Design, Interim, and RFC Design Phases (i.e. **Preliminary and Final Design**), we coordinated with the surveyor to advance design as much as possible during the collection of the **topographic survey** without waiting for the final deliverable at the end of the survey, condensing the project schedule tremendously. The project also featured subsurface drainage that ultimately outfalls into a network of pumped canals. Through coordination with local technical staff and **hydraulic analysis**, we were able to design proposed drainage improvements that did not create adverse impacts to the pumped canal network or adjacent development in the project area.

In order to expedite construction, we were required to break the overall design down into several design packages, another schedule related benefit. 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 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: **C. HALL, G. HEITMAN, J. CAINS, M. DAVIS, J. LEFANTE, J. BARKER, B. JOHNSON, N. PRUDHOMME, M. O'ROURKE, H. KREBS, S. MENSAH, M. NEUMANN**

FIRM NAME	**Stantec Consulting Services Inc.**			PAST PERFORMANCE EVALUATION CATEGORY(IES)*	**Road, Traffic, Bridge**
PROJECT NAME	**US 90 AT LA 318 INTERCHANGE DESIGN-BUILD**			FIRM RESPONSIBILITY (prime or sub?)	**Sub-consultant**
PROJECT NUMBER	**H.004932**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**St. Mary Parish, Louisiana**			OWNER'S PROJECT MANAGER	**Timothy Nickel, PE**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access Road, Baton Rouge, LA 70802 | 225-379-1110 | timothy.nickel@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**07/15**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**$4,917**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**06/18**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$4,258**

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

Improved the intersection of US 90 at LA 318 to a grade separated interchange and upgraded to interstate standards in preparation for the Future I-49 Corridor.

TASK RELEVANCE:

- ☑ Traffic Control Design, Traffic Signal Analysis & Design
- ☑ Preliminary & Final Roadway Design, Plan Development & Cost Estimates
- ☑ Hydraulic Analysis & Design
- ☑ Road Design Services during Environmental
- ☑ TMP
- ☑ Quality Review
- ☑ Construction Support

Stantec served as the Lead Design Engineer for this Design-Build project which improved the intersection of US 90 at LA 318 to a grade separated interchange and brought US 90 up to interstate standards as a part of the Future I-49 Corridor. The project included dual overpass bridges, ramps, and frontage road relocations. It also improved LA 318 to a two-lane divided highway within the interchange footprint.

During the project, **Stantec provided supporting exhibits and materials to assist in the re-evaluation of the environmental document** due to the approved Alternative Technical Concept (ATC) for the project. Stantec also developed public meeting exhibits and participated in the meeting to inform participants about the proposed changes.

Topographic Survey was provided by LADOTD for this project, however Stantec reviewed the provided information to ensure it was sufficient for design. During the Definitive Design, Interim, and RFC Design Phases (i.e. **Preliminary and Final Design**), we coordinated horizontal and vertical design roadway elements with the bridge group, as well as performed cross drain and open ditch **hydraulic analysis** using HEC-RAS and LADOTD HYDRWIN software in this rural area to ensure that adverse drainage conditions would not result from the proposed improvements. The hydraulic design also included side drains and bridge end drains, and drainage slots in the bridge structure that considered the velocity of runoff through the slots to prevent a "waterfall" condition for the westbound ramp that could reduce driving and safety conditions during rain events. Prior to the approval of the design phases, **Stantec was required to develop a Level 3 TMP document** for the project.

Traffic control and analysis was fairly straight forward on this rural project; however MOT considerations required special traffic control to promote traffic safety through the work zone and the major cross road in the area and getting drivers used to the operation of the interchange vs a signalized intersection on a divided highway. **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.

Stantec was heavily involved in the construction process, **providing construction support** by responding to Contractor RFIs, NCRs, and design clarifications needed to assist them with making progress. We also attended weekly progress meetings and quarterly partnering meetings throughout the process.

TEAM MEMBERS INVOLVED: **C. HALL, G. HEITMAN, J. CAINS, M. DAVIS, B. JOHNSON, J. LEFANTE, N. PRUDHOMME, M. O'ROURKE, H. KREBS, M. NEUMANN, S. MENSAH**

FIRM NAME	**Civil Design & Construction, Inc. (CD&C)**		PAST PERFORMANCE EVALUATION CATEGORY(IES)*		**Survey**
PROJECT NAME	**I-10 TX STATE LINE EAST OF COONE GULLY**			FIRM RESPONSIBILITY (prime or sub?)	**Sub**
PROJECT NUMBER	**H.003184.5**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Calcasieu Parish, LA**			OWNER'S PROJECT MANAGER	**Stanley Ard, PLS**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capitol Access Road, Baton Rouge, LA 70802 | 225-379-1232 | Stanley.ard@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**10/15**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**N/A**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**12/18**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$443**

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

This was a 6-lane widening project on I-10 in Calcasieu Parish.

The project limits extended from the foot of the Sabine River Bridge (approximately 0.5 miles east of the state line) to a point approximately 2000 feet east of the beginning of the existing 6-lane section (located East of Coone Gully). The survey width of the project was from apparent right of way to apparent right of way and 500 feet past the gore along each of the on and exit ramps.

In 2018, CD&C was supplemented to extend the original limits of this survey approximately 1500' and to pick up several other areas of additional topographic updates.

CD&C performed a complete topographic survey in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation Procedures for this project. A topographic survey was already completed at all bridge sites located within the limits. The survey included all utilities with depths and information, all drainage structures, and all survey DTM and improvement features that fell inside the survey limits. Due to traffic concerns **3D Terrestrial Scanning was utilized for the location of roadways and traditional means and methods were used to complete the topographic survey on this project.** The final submittal of the survey was a combination of the supplied data from LADOTD for the bridges with the current survey that was completed for this project.

TEAM MEMBERS INVOLVED: **K. WESTON, R. BURGESS, C. BALLARD, P. DUPREE, JACOB STOEHR, T. NORRIS, S. BENTON**

FIRM NAME	**Civil Design & Construction, Inc.**		PAST PERFORMANCE EVALUATION CATEGORY(IES)*		**Survey**
PROJECT NAME	**I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12**		FIRM RESPONSIBILITY (prime or sub?)		**Sub**
PROJECT NUMBER	**H.004100**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**West and East Baton Rouge, LA**		OWNER'S PROJECT MANAGER		**Nicholas Olivier**
OWNER'S ADDRESS, PHONE, EMAIL	**1201 Capital Access Rd, Baton Rouge, LA 70802 | 225-379-1232 | Nicholas.olivier@la.gov**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**01/18**	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)			**$296**

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

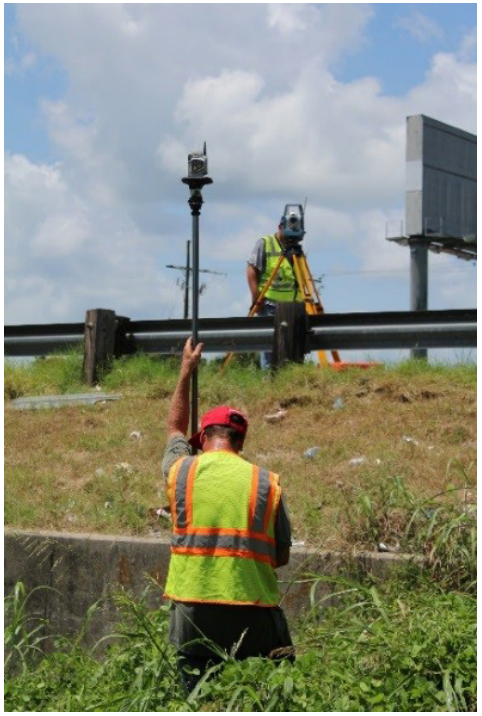
This project is located in West Baton Rouge and East Baton Rouge Parishes in the cities of Port Allen and Baton Rouge, LA.

A complete Topographic survey including all utilities (ASCE 38-02, QL "B") with depths and all drainage is required, along with Finish floor elevations of all buildings that fall within the survey limits. The survey begins 1,500 feet West of the western most entrance/exit ramps of the LA 415 and I-10 Interchange. From the I-10, I-12 split the survey shall proceed in southerly and easterly directions along the existing main alignment of I-10 for approximately 1.5 miles & I-12 for approximately 1.5 miles to end the route limits.

CD&C's Role:

CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415. **This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement**.

TEAM MEMBERS INVOLVED: **K. WESTON, R. BURGESS, C. BALLARD, P. DUPREE, JACOB STOEHR, T. NORRIS**



FIRM NAME	**Civil Design & Construction, Inc. (CD&C)**		PAST PERFORMANCE EVALUATION CATEGORY(IES)*		**Survey**
PROJECT NAME	**VEROT SCHOOL ROAD**			FIRM RESPONSIBILITY (prime or sub?)	**Sub**
PROJECT NUMBER	**H.011235**	OWNER'S NAME	**Louisiana Department of Transportation and Development**		
PROJECT LOCATION	**Lafayette, LA**			OWNER'S PROJECT MANAGER	**Thomas Gattle (Huval & Assoc.)**
OWNER'S ADDRESS, PHONE, EMAIL	**922 W. Point Des Mouton Rd., Lafayette, LA 70507 | 337-234-3798 | tgattle@huvalassoc.com**				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	**08/16**	TOTAL CONSULTANT CONTRACT COST ($1,000's)			**N/A**
SERVICES COMPLETED BY THIS FIRM (MM/YY)	**01/18**	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000's)			**$435**

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

This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, LA.

The project is for the proposed widening of US 90/I-49 South and realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map. This included a complete topographic survey of all utilities with depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits. Also, CD&C was required to coordinate with the topographic survey of the adjacent I-49 Connector project and include required portions of the I-49 Connector project with the survey of this project.

CD&C performed a complete topographic survey of the project site by using **3D Terrestrial Scanning in conjunction with traditional means to complete the survey.** **Control was set for the scanning throughout the project limits.** Coordination with Cardno, Inc. (Team member) was necessary for the location of all utilities in the project area. CD&C also coordinated with all the property owners for access to the properties and also meet with safety advisors for the industrial business that were impacted. The survey included coordination with the ongoing I-49 Connector project and merging of that survey to the CD&C survey in order to make a complete project for the area. CD&C also **researched and compiled an existing right of way linework for the prime consultant to use for exhibits for the project and is tasked to complete Final ROW Maps**. In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

TEAM MEMBERS INVOLVED: **K. WESTON, R. BURGESS, C. BALLARD, T. NORRIS, P. DUPREE, JACOB STOEHR, JASON STOEHR**

PROJECT UNDERSTANDING

This IDIQ for Roadway Design Services will select a Team to work as an extension of DOTD's Road Design Section to support the design and plan preparation of Preliminary and Final Roadway Plans and associated services. The task orders required will vary in scope, duration, and complexity. A task order could include roadway widening/rehabilitation, intersection improvements, reconstruction, or a roadway on new alignment. The funding sources for these task orders may vary and there may be multiple sources of funding. Having experience with previous retainer contracts, **Stantec is very familiar with DOTD's current requirements**, policies, guidance, manuals and specifications and our staff has extensive experience with all types of roadway projects from local roads and drainage improvements to interstate widening, complex interchanges, and innovative geometric solutions. **We understand that any task orders executed under this IDIQ are on a compressed schedule** and are required to be completed prior the IDIQ contract expiration. We will work with DOTD to make sure that the task orders we are assigned are completed expeditiously and exceed DOTD's expectations. Our goal is to maximize the transportation benefits for all users/ modes of travel within the roadway corridors including vehicular, pedestrians and bicyclists, as appropriate, for any task order that may be assigned under this IDIQ while operating within the budget and contract time allotted for the project.

PROJECT SERVICES + APPROACH

While task orders for a Roadway Design IDIQ are focused on a particular roadway improvement, they typically involve roadway design and a variety of additional services including field reviews, topographic survey, traffic, environmental, utilities, permitting and construction support. Stantec's Team is familiar with each of these elements of design and understands the expectations set forth in the scope of services. We are confident that we have the expertise to address any challenges that may arise during a task order and the depth of bench to meet the compressed schedule noted in the advertisement.

Stantec's PM will coordinate with the DOTD PM on a recurring basis for potential/ pending Task Order assignments. When a task order has been identified, the Consultant Team will meet with key members of DOTD to gain a full understanding of the scope of work, the status of the information that DOTD will be providing, and the timing of expected deliverables. Stantec will attend the meeting prepared with questions based on a preliminary investigation of the project area to help the project team understand the scope of work. Following the meeting, Stantec will prepare the work hour proposal completely and expeditiously. Stantec will also work with CD&C (survey sub) and establish the survey limits and the best methodology for the collection of data to provide a work hour estimate for the survey, if survey is required by the task order.

Once the task order has been negotiated and the NTP is issued a **Pre-Design Planning Conference** will be held prior to the start of work by the consultant. At this meeting, the Project Manager will provide any information DOTD has on hand concerning the project (such as traffic data, soil borings, pavement design, etc.) and task leaders may also provide information and any expectations they have for the project. The design criteria for the project will be agreed upon at this conference and a Final Pre-Design Planning Conference form will be completed by Stantec to document decisions made at the conference.

Deliverables will be prepared in accordance with **Stantec's Quality Assurance/ Quality Control (QA/QC) Plan** which will be submitted within 10 days of the notification of award. All deliverables transmitted to the Department will adhere to established DOTD policies, procedures, standards, and guidelines and will be transmitted with **DOTD's QA/QC checklists** certifying that the deliverables meet DOTD's quality standards. The QA/QC Plan will be updated as needed for each task order.

Topographic Survey

If **Topographic Survey** will be required for the task order, CD&C will attend the Pre-Design Planning Conference or a pre-survey meeting and discuss their work plan for the project and their schedule for data collection and processing. CD&C will ensure that the topographic survey shall adhere to all modern survey theory, practice, and procedures, and **follow the latest version of the DOTD Location and Survey Manual** including typical surveying methods as applied by DOTD. This includes all accepted horizontal and vertical control standards as stated in the manual. The DOTD feature table code list and symbols used shall meet the latest edition of the survey feature code guidebook produced by the DOTD Location and Survey Section and Automation. 3D Terrestrial Scanning, if acceptable to DOTD, may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site and will adhere to all DOTD Standards as related to Terrestrial and Mobile Scanning.

Upon final processing of the survey, alignments for existing roads will be created in Inroads for the prime consultant, and a final QC of the survey will be performed by CD&C's project manager and/or the principal surveyor. This QC will involve reviewing all data received from beginning of the project to the end of the project, checked against all data received from DOTD and data received from utilities, and finally a site visit will be performed to confirm the survey. The survey, which includes the standard Inroad files (FWD, ALG, DTM, CSV, etc.) will be forwarded to the prime with a letter of certifying adherence to all DOTD standards that will be signed and sealed by the supervising professional land surveyor. All deliverables will adhere to the electronic standard as set forth by DOTD and will be submitted to DOTD's PM for review by the Location and Survey Section. This submittal will include a letter from Stantec's PM certifying that the survey meets the requirements of the design. If task orders assigned do not require topographic survey, CD&C will assist Stantec

with the roadway design tasks. **Karla Weston** and her staff may assist with signing and striping, cost estimates, and drainage quality control reviews. We have worked together on numerous roadway projects including W. Prien Lake Road. **We are committed to assigning 10% of the work to our DBE teammate.**

Traffic Control Design, Traffic Signal Analysis + Design

Stantec will provide all engineering services necessary for the design and analysis of traffic control features on the roadway task orders. Stantec's Traffic and Roadway staff have a thorough knowledge of DOTD's policies and manuals that guide the design of signing, pavement markings, and traffic signals. We are currently working on the I-49 Lafayette project and the Airline South project for the City of Baton Rouge which both have required us to **use DOTD's Traffic Engineering Process and Report to develop alternatives** for the environmental process. We have developed traffic control plans to safely maintain traffic for projects as simple as a signal installation and as complex as interstate widening and ramps. We have designed and oversaw construction of temporary and permanent signals, ITS systems, and **complex signal timing for alternative intersection designs** such as continuous flow intersection and diverging diamond interchanges. Stantec has worked with DOTD to implement innovative traffic solutions showing our ability to think out-of-the-box and look for ways to improve capacity and operations by implementing the latest traffic and geometric concepts.

Preliminary Plans + Final Roadway Design, Plan Development + Cost Estimates

During the topographic survey collection, preliminary data gathering, field reviews, and design reports may begin in order to expedite plan development once the survey is approved for use. DOTD's Roadway Design milestone submittals for **Preliminary plans** typically include 30%, 60%, 95% and 100% plans. Major tasks for each submittal are shown in the list below (Source: Fig. 1-03 Road Design Manual).

30%	▪ Title Sheet, Prelim. Typical Section with Traffic Data ▪ Plan and Profiles with Existing Topo. ▪ Utility and Railroad (if applicable) Review
60%	▪ Horizontal & Vertical Alignments ▪ Geometric Details & Cross Sections ▪ Hydraulic Analysis & Preliminary Hydraulics Report & Preliminary Design Report
95% PIH	▪ Geometric & Hydraulic Comments Addressed ▪ Preliminary sequence of construction & TMP ▪ Preliminary right -of-way taking line (if applicable) ▪ Summary of estimated quantities with pay items only
100%	▪ Plan-In-Hand Comments Addressed ▪ Final right-of-way taking lines (if applicable) ▪ Permit sketches ▪ Preliminary cost estimate

The 95% plans will be submitted to DOTD for distribution at least 21-days prior to the Plan-In-Hand meeting. Stantec will note plan-in-hand questions requiring DOTD input in the 95% submittal. A field review may also be warranted to observe unique design challenges or safety concerns first hand. At the conclusion of the **preliminary plans** the design has progressed enough to **define the geometry** and scope of the improvement, the **right-of-way taking needs,** and **all major quantities** on the project. The project team has also received review comments from DOTD at each milestone and the parameters of the design have been communicated with other project stakeholders including the District, utility companies, railroads (if applicable) and community leaders as appropriate. Responses to Plan-In-Hand comments will be provided prior to the completion of Preliminary Plans.

» Final Plans

Per Federal requirements, Stantec will not proceed to final plans until the environmental has been cleared by DOTD. While DOTD will provide Environmental Services, Stantec will assist by providing Road Design support services during the Environmental phase. Also, it is our understanding that DOTD will be responsible for any property survey and right-of-way mapping. If right-of-way is required for the project, DOTD will hold the JPR meeting at the start of Final Plans. Stantec is available to attend the JPR as needed to explain the required taking lines. Right-of-way taking lines are considered final after the JPR comments are addressed.

DOTD's Roadway Design milestone submittals for **Final plans** typically include 60%, 95%, 98%, and 100% plans. Major tasks for each submittal are shown in the list below (Source: Fig. 1-03 Road Design Manual).

60%	▪ Final typical section and final design report ▪ Final hydraulic design ▪ Progress on summary sheets, graphical grades, final geometry ▪ Reviewing right-of-way maps (provided by DOTD if applicable)
95% ACP	▪ Assemble entire plan set and revise preliminary cost estimate ▪ Final QA/QC check and constructability form ▪ Progress on special provisions; Submit to Plan Quality Unit for Review ▪ Advance check prints distribution, review and meeting
98%	▪ Advance check prints comments addressed ▪ Final cost estimate ▪ Plans submitted to Contracts & Specs ▪ Special Provisions
100%	▪ Final Plans, Specifications & Estimate ▪ All Final Documentation to ProjectWise

Stantec acknowledges the desire to compress the project schedule and will work with the DOTD PM to recommended milestone submittal adjustments to ensure that the schedule goals are met as efficiently as possible. While the section above describes the normal flow of a DOTD roadway project, **Stantec has worked with DOTD in the past to expedite both Traditional D-B-B and Alternative Delivery Projects**. For example, Stantec's Cove Lane Interchange at I-210 project proceeded

with preliminary plans during the environmental phase, reduced the number of milestone submittals, and used design review workshops during plan development to help expedite formal reviews. Another example is the US 90Z project where Stantec proposed to go straight to 95% Preliminary Plans, followed by 95% Final Plans to meet the needs of a major stakeholder in the area (NO Saints). In both cases, Stantec partnered with DOTD to expedite the preliminary and final plan development phases and **dramatically reduced the project delivery time**. Stantec has the resources and staff to meet the challenges of a compressed schedule!

Depending on the task order scope, the following tasks may be required during the course of plan development:

Hydraulic Analysis + Design

Stantec will provide all the engineering services needed for the hydraulic analysis and design of drainage structures on the roadway construction project. We are familiar with the latest edition of DOTD's Hydraulics Manual and HYDRWIN software and have used DOTD's methods to **design side drains, cross drains, box culverts, roadside ditches, and subsurface drainage systems**. On our previous roadway retainer Stantec provided subsurface drainage design for West Prien Lake Road and designed 12'x 12' multi-barrel box culvert. Stantec's structures staff is available to assist with the structural design of any modified catch basins or large, non-standard box culverts that may be required.

Road Design Services During the Environmental Process

Stantec has successfully assisted DOTD with engineering drawings and details that illustrate the proposed work for the purpose of permitting. We have recently submitted wetlands permit drawings to the USACE defining the quantities of fill and the types of improvements within the delineated wetlands on our Perkins Road project, and we have submitted permit drawings to FAA for the I-10/Loyola Interchange project. Stantec has been responsible for running public meetings and been **a resource for DOTD during public meetings and stakeholder meetings**. We often prepare exhibits and technical presentations for public hearings and meetings and have developed exhibits and cost estimates for DOTD during the environmental process on many projects.

Special Provision Write Ups

When the standard specifications do not cover all of the elements of a project a special provision is needed for inclusion in the construction proposal. Stantec is familiar with writing these special provisions including a description of the item, a list of the materials required, the construction requirements, how the item will be measured and paid for, and the assignment of a non-standard pay item number. **We recently provided special provision write-ups to DOTD for both our Nelson Road Bridge and Dijon Phase II projects**.

Transportation Management Plans (TMPs)

TMPs are required on every project/permit that affects the transportation network except for emergency maintenance projects. A TMP establishes transportation management strategies for work zones the scope of which is defined by EDSM VI.1.1.8. The level of detail required varies from a Level 1 TMP, that has no impacts to the road and usually only requires the use of the standard temporary traffic control details, to a Level 4 TMP, for projects that impact the interstate or full control of access roadways, lie inside a transportation management area or have a level of service F, and will have lane closures. Level 4 TMPs are the highest level, requiring traffic counts, safety and alternate route analysis, stakeholder involvement, operational information, temporary traffic control plans, public information plans, and work zone management strategies. Stantec has developed all levels of TMPs for DOTD projects. Examples of projects that included higher level TMPs include I-210 Cove Lane (Level 2) and I-10/Loyola Interchange (Level 4).

Quality Plan Reviews

If required by a task order on this IDIQ, Stantec is prepared to perform detailed engineering reviews of construction plans, cost estimates, and special provisions developed by the Roadway Design Section or by other consultants in association with this contract. In Stantec's role as Program Managers for the City of Baton Rouge's MOVEBR Enhancement program our staff has gained **a lot of experience reviewing plan sets, estimates, and special provisions for constructability, consistency, and correctness**. Many of these MOVEBR projects are using DOTD standards.

Construction Support

Stantec's experience on Design-Build projects throughout the State has helped our staff learn the importance of promptly responding to RFIs to maintain efficient construction contract administration and minimize costs associated with construction delays. Our staff has responded to **hundreds of RFIs** on the Loyola Design-Build Project with **minor clarifications and plan/specification corrections as needed in an efficient and timely manner.** We recently added Keith Palermo to our staff in Baton Rouge. Keith was a long-time DOTD employee who most recently worked in District 61 first as a Project Engineer administering construction projects and then as the Area Engineer responsible for all maintenance and construction contracts. Keith's construction experience will be very valuable if construction support services are required. We understand that DOTD's Project Manager will authorize the construction support services when required and we stand ready to assist DOTD with the construction contractor's questions whenever needed. Having worked directly with a contractor on four Design-Build projects **we understand the need to avoid delays to construction progress** and will put a high priority on all construction support services.

Other Services

Stantec can also provide support services in other disciplines if required by a task order. We realize that the ad for this IDIQ states that structural design required for this project for which standard plans are not available will be provided by DOTD; however, Brian Johnson, the head of our structures division would lead any structural effort that may be required to complete a task order (retaining walls, barriers, and special structural details). Scott Hoffeld is an experienced planner

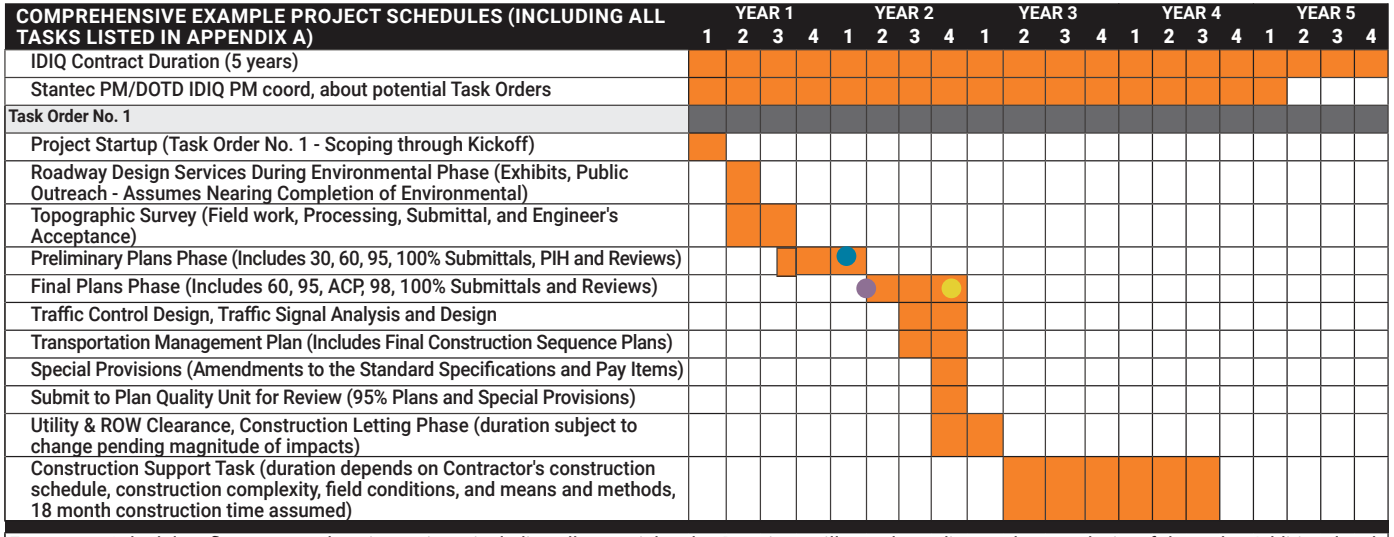
who would lead or assist with items such as Stage 0 documentation, environmental and permitting support. Derrick Goudeau is an experienced lighting and ITS engineer who would lead any efforts in those disciplines. CD&C has SUE capabilities if DOTD does not supply.

Technology

Our team members are familiar with DOTD's CAD Guidelines and Standards, and we use them to develop electronic deliverables on DOTD projects. We have a command of tools like Microstation and InRoads, as well as hydraulic program software such as DOTD's HYDRWIN programs, and we're proficient at **delivering submittals and data exchange with DOTD through ProjectWise**.

With the changing climate in our industry and the growing momentum to migrate to 3D deliverables for construction projects, DOTD is currently in the process of transitioning from Microstation to OpenRoads (ORD) products. Stantec is also migrating to ORD. In many of our offices in other states **we are using ORD to deliver our services to clients**. Our Digital Practice Team within Stantec leads the charge in training all of our technical staff and providing the support needed to have our teams ready and able to be proficient in this new software. Here in our Louisiana office, we have staff that have been receiving ORD training for over a year now, and we are prepared to deliver task orders in ORD if asked by DOTD to do so. Our team has the resources and stands prepared and able to assist DOTD with any efficiencies that are necessary to complete our tasks.

COMPREHENSIVE EXAMPLE PROJECT SCHEDULES (INCLUDING ALL TASKS LISTED IN APPENDIX A)



Footnotes: *Schedule reflects comprehensive projects including all potential tasks. Durations will vary depending on the complexity of the tasks. Additional task orders may be executed either concurrently or during the process of completing a previous task order. Either way, we have the staff to get the jobs done!*

PIH Meeting *JPR Meeting* *ACP Meeting*

SCHEDULE

We understand that task orders with this contract can result in several types of assignments requiring specific expertise and experience. Our team's expertise and experience can address all nine service types listed in Attachment A of the advertisement at various levels, and we can customize our resources to fit the needs of the task order issued. Our goal is to thoroughly and efficiently complete task orders, working with DOTD to exceed their expectations on each project.

Because each task type is different, we have developed a generic, conceptual schedule for an all-inclusive task order, assuming moderate complexity, to demonstrate the anticipated duration of each service type and deliverable. **Stantec has the depth of bench to handle multiple task orders concurrently** and with our extensive Design-Build experience we have become proficient at juggling the demands of compressed schedules. As mentioned earlier in the approach, we can work with DOTD to adjust milestones and reviews as needed to accelerate the schedule. Any potential process delays or external factors that may influence the schedule can be overcome. Process delays could include items like extended review times, new alternatives and approvals of waivers and exceptions. External influences on the schedule include items like utility coordination and response, permitting, railroad involvement, and resolving external agency and stakeholder concerns. These issues are a part of every project, but Stantec will work with DOTD to identify and mitigate any risks and present an accurate schedule.

CLOSING

Stantec has successfully completed two recent IDIQs, one for Roadway Projects and one for traffic engineering road management projects. With these two retainers Stantec teamed with DOTD to complete seven notable projects. These projects have relieved congestion on major arterials like Essen Lane, reinvigorated Mid-City Baton Rouge along Government Street, and realigned roadways to make room for future developments in Lake Charles. In total these projects constructed six new roundabouts at locations throughout the State.

We hope we have provided ample evidence that Stantec would be the best choice for this IDIQ Roadway Design Contract. From the high caliber of our personnel to our past performance to our in-depth familiarity with DOTD's standards, processes, and expectations – we believe this contract would be a way to further our decades-long relationship and showcase the talents of our dedicated staff. Thank you for reviewing our qualifications for the Roadway Design Services IDIQ and we look forward to continuing our successful working relationship!

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)	Past Performance Evaluation Discipline(S)*	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.		S. P. No. 700-10-0153	Nelson Road Ext. Bridge [Lake Charles, Louisiana]	
	Road		Roadway	$2,500
	Bridge		Bridge	$2,500
Stantec Consulting Services Inc.		S. P. No. 4400004128	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]	
	Planning		Program. Mgmt.; Context Sensitive Design Process; Impl. Strategies	$653,013
	Traffic		Traffic Engineering	$64,197
	ITS		ITS	$16,585
	Road		Geometric Design/Analysis	$17,646
	Bridge		Structure & Bridge	$522,362
	ROW		ROW Acquisition	$85,420
	Survey		Survey	$22,731
	Other		Public Relations/Comm.; Lighting; Aviation	$69,326
Stantec Consulting Services Inc.	Traffic	S. P. No. 4400010670	Retainer Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services [Statewide, Louisiana]	
			H.004104.5 Pecue Lane/I-10 Interchange Phase 3 [East Baton Rouge Parish]	$7,025
			H.011152.4 I-12 US 190 to LA 59 [St. Tammany Parish]	$35,387
			H.013261.6 I-110 ITS Deployment/Constr. [East Baton Rouge Parish]	$8,214
			H.013866.6 I-12: LA 21 to US 190 Roadway Widening [St. Tammany Parish]	$16,288
			H.014529.1 Baton Rouge Regional ITS Architecture Update [EBR & WBR Parishes]	$9

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	$201,582
	ITS		ITS	$38,409
	Traffic		Traffic	$0
	Bridge		Bridge	$96,398
Stantec Consulting Services Inc.	Traffic/ITS	S. P. No. 4400017922	IDIQ Contract for Intelligent Transportation Systems (ITS) System Design, Integration and System Verification Services [Statewide, LA]	
			H.014515.1 ATMS and 511 Upgrade SEA [Statewide]	$87
Stantec Consulting Services Inc.	Traffic/ITS	S. P. No. 4400020058	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services [Statewide, LA]	
			H.013710.6 I-10: US-61 to Laplace ITS Deployment [Ascension, St. James & St. John Parishes]	$20,171
			H.013842.5 I-10: WBR Queue Warning System Design [Iberville & WBR Parishes]	$12
			H.001234.6 LA 1: Port Allen Canal BR REPL (PHI) (HBI) [West Baton Rouge Parish]	$0
			H.002424.5 LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	$474
			H.015136 Statewide ITS Architecture Update [Statewide]	$153,970
Stantec Consulting Services Inc.		S. P. No. 4400020064	IDIQ Contract for Electrical Services [Statewide, LA]	
	Road		H.005967.5 I-12: Nelson Road Ext. & Bridge-Roadway Lighting Engineering [Calcasieu Parish]	$9,311
	Other (Lighting)		H.014286.5 I-10: LA 26 (Jennings) Interchange Lighting [Jefferson Davis Parish]	$34,021
			H.014272.5 I-10: LA 97 (Jennings) Interchange Lighting [Jefferson Davis Parish]	$170,881
			H.014287.5 I-10: LA 99 (Welsh) Interchange Lighting [Jefferson Davis Parish]	$277,466
Civil Design & Construction, Inc.	Survey	4400017091/ TO-2	LWI Statewide Modeling R5 – Task Order #2	$6,722
Civil Design & Construction, Inc.	Survey	4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	$227,031

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. 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. 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.

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Gary Heitman
has attended
Traffic Control Technician-LA State Specific
Training Course

6/30/2020 to 6/30/2020
Date

Baton Rouge, LA
Location

Vice President of Member Services

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

Cindy Hall
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

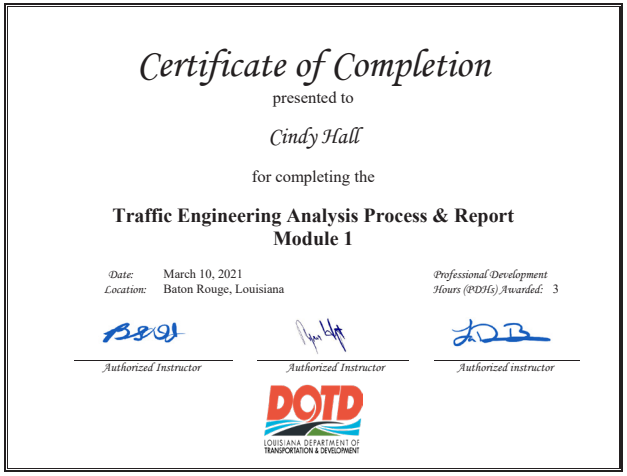
Baton Rouge, LA
Location

Director of Training

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Cindy Hall

for completing the

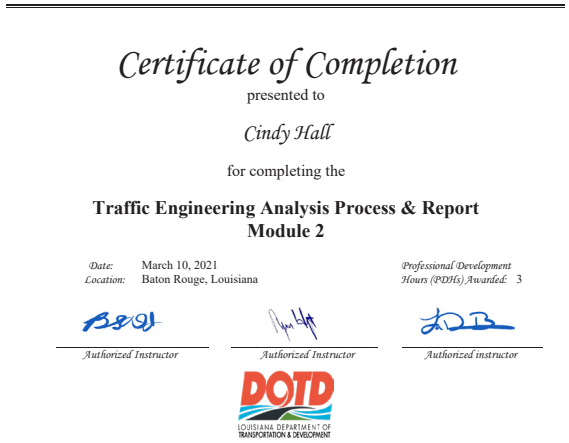
Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
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

Cindy Hall

for completing the

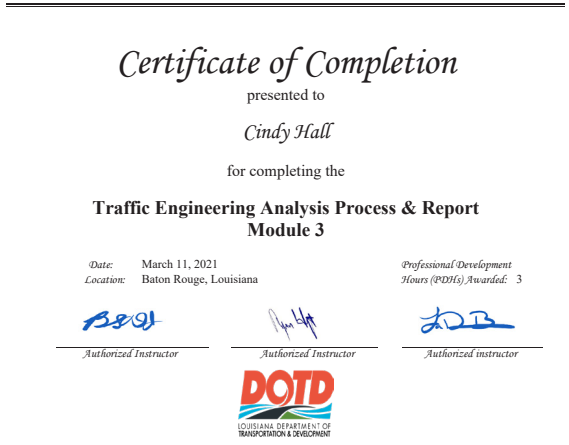
Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
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

Cindy Hall

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

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

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

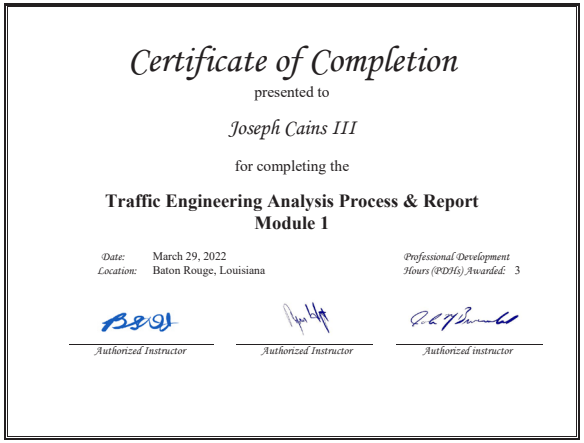
Baton Rouge, LA
Location

Director of Training

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Joseph Cains III

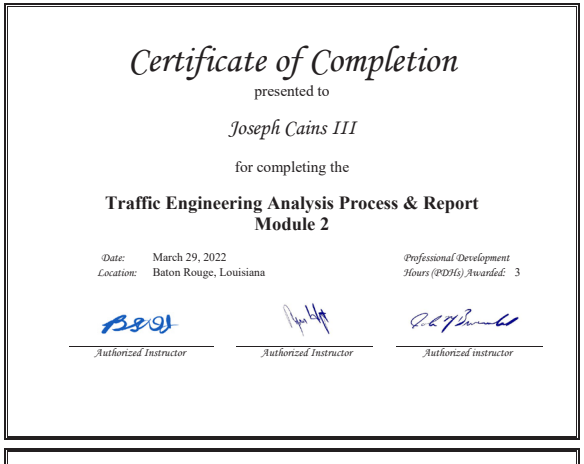
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*



Certificate of Completion

presented to

Joseph Cains III

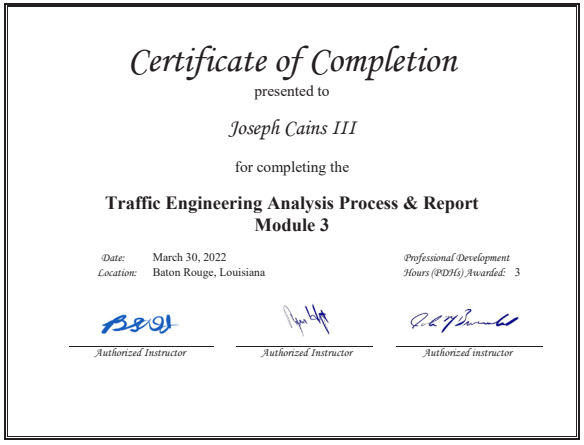
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*



Certificate of Completion

presented to

Joseph Cains III

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

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

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

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

Transportation Professional Certification Board Inc.

certifies that

Matthew Jared Davis

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 3914 issued in Washington, D.C., U.S.A.

July 21, 2015

Chair | PTOE Professional Traffic Operations Engineer | Executive Director

I/3/22, 12:42 PM Profile

View

Certification Type	Professional Traffic Operations Engineer®	**TPCB Status**	Active
Certification Number	3914	**Application Status**	
Application Date Received		**Audit**	No
Certification Date	7/21/2015	**Expiration Date**	7/21/2024
Agreed to Privacy Policy	No	**Examination Date**	
Ethics Statement of Renewal	No	**Results**	Passed
Signed Obligation Statement	No	**Date of Initial PE**	
Reasonable Testing Accommodati		**PE License Issuing State**	
Don't Share My Information EU	No	**PE License Number**	0
		PE License Expiration Date	
		Type of ID	
		Unique Number	
		PE Classification	

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Michael Neumann
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/24/2022 to 6/24/2026
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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Hannah Krebs
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/24/2022 to 6/24/2026
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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nick Prudhomme
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/24/2022 to 6/24/2026
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

ATSSA TRAINED

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

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

Stantec

Transportation Professional Certification Board Inc.

certifies that

Joseph Michael Lefante

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 3560 issued in Washington, D.C., U.S.A. November 20, 2013

Timothy D. Harpst
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Joseph Michael Lefante
Stantec
4604 Neyrey Drive
Metairie, LA 70002 USA

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 11/20/2022.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 11/20/2022. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb,org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Diane W. Morabito

Diane W. Morabito, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Attachments

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

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

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Joseph Patrick Barker
Buchart Horn Inc.
4504 Jeanne Marie Pl
New Orleanse, LA USA 70122

It is my pleasure to transmit the enclosed notice that you have passed the examination to be certified as a *Professional Traffic Operations Engineer®*. Congratulations!

The Certification Board previously determined you met all other requirements for certification. If there is no balance due on the attached invoice you may now use the title Professional Traffic Operations Engineer® and/or the initials PTOE® in the conduct of your professional practice. If payment is outstanding, you must pay the balance due and only then are you a PTOE®.

While you wait for your certificate, your PTOE® certification number is: **4364** A certificate will reach you within 120 days. If you wish your name to appear on the certificate any differently from how it is shown here, please contact Ann O'Neill **immediately** at aoneill@tpcb.org.

Joseph Patrick Barker

Your initial certification fee covers a three-year period and will expire November 20, 2020. During that period you must keep at least one governmentally issued professional engineering license valid and must report to the Certification Board at this letterhead address should your professional engineering license in any jurisdiction, your membership in any professional engineering society or your employment or engagement as a professional engineer be suspended or terminated for unethical or illegal actions. Any of the above could cause your certification to be revoked, subject to an established appeal procedure.

At the end of the three-year period, your certification will be renewed without examination if you demonstrate you have met the continuing professional development and education activities required. The specific components of the required continuing professional development are described in the enclosed attachment. Begin earning and keeping track of your professional development units so when it is time to renew, the PDH's will be easily accessible. ITE has developed a web-based Professional Competency Record Keeping System to assist you in keeping such a log. www.ite.org/pdrks/default.asp

In the certification and licensure industry, it has become common for a certain percentage of recertification applicants' attestation materials to be audited and verified. TPCB has been working with its psychometrician at Castle (TPCB's certification and licensure testing company) to determine that percentage as well as the process that must be implemented to reapply for its accreditation. Please be advised that beginning January 1, 2018, TPCB will implement a policy in which 20% of application materials will be audited which means that the certificant will be required to provide documentation as backup to support the application. This sampling will be completely random.

Let me again congratulate you on obtaining this certification. We hope you will display your certificate with justified pride and carry out your professional activities in a manner to bring added luster to the title and practice of Professional Traffic Operations Engineer®. Should you have questions now or in the future, please do not hesitate to contact me or the staff at the address above.

Sincerely,

Michael K. Park, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Attachments

View

Certification Type	Professional Traffic Operations Engineer®	**TPCB Status**	Active
Certification Number	4364	**Application Status**	
Application Date Received		**Audit**	No
Certification Date	11/20/2017	**Expiration Date**	11/20/2023
Agreed to Privacy Policy	No	**Examination Date**	
Ethics Statement of Renewal	No	**Results**	Passed
Signed Obligation Statement	No	**Date of Initial PE**	
Reasonable Testing Accommodati		**PE License Issuing State**	
Don't Share My Information EU	No	**PE License Number**	0
		PE License Expiration Date	
		Type of ID	
		Unique Number	
		PE Classification	

Stantec

The American Traffic Safety Services Association

Hereby recognizes that

Joseph Barker

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

10/2/2019 to 10/2/2019

Date

New Orleans, LA

Location

ATSSA

Training & Products Dept. Director

President, CEO

Certificate of Completion

presented to

Joseph Barker

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

Certificate of Completion

presented to

Andrew Griffith

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

Joseph Barker

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

The American Traffic Safety Services Association

Hereby recognizes that

Andrew Griffith

has attended

Traffic Control Technician-LA State Specific

Training Course

7/10/2019 to 7/10/2019

Date

New Orleans, LA

Location

ATSSA

Training & Products Dept. Director

President, CEO

Certificate of Completion

presented to

Andrew Griffith

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

Certificate of Completion

presented to

Joseph Barker

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

Andrew Griffith

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

Transportation Professional Certification Board Inc.

certifies that

Stephen A. Mensah

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 3960 issued in Washington D.C. U.S.A.

November 18, 2015

Chair

PTOE

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

From: info@tpcb.org
To: Mensah, Stephen
Subject: TPCB Renewal Approval Notice
Date: Wednesday, December 22, 2021 9:50:16 AM

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Stephen A. Mensah, PhD, P.E., PTOE,RSP1
Stantec

Thank you for renewing your certification as a Professional Traffic Operations Engineer®® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 11/18/2024.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 11/18/2024. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

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The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

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

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

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

THE ACADEMY OF BOARD CERTIFIED ENVIRONMENTAL PROFESSIONALS

ATTESTS THAT

SCOTT HOFFELD

IS HEREBY DECLARED TO BE A

CERTIFIED ENVIRONMENTAL PROFESSIONAL

IN

DOCUMENTATION

BY THE CERTIFICATION REVIEW BOARD
ACTING UNDER THE AUTHORITY OF THE BOARD OF TRUSTEES

Elizabeth R. Johnson
PRESIDENT, ABCEP

CEP

CHAIRPERSON, CERTIFICATION REVIEW BOARD

CERTIFICATION NUMBER: **2040408**

CERTIFIED SINCE: **6/19/2002**

All CEPs must renew their certification annually by submitting their annual payment and annual maintenance hours each year.

Certificate of Completion

presented to

Scott Hoffeld

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
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

Scott Hoffeld

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
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

Scott Hoffeld

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 11, 2021
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

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.

ATSSA American Traffic Safety Services Association ATSSA.com

12/14/21, 10:20 AM Print Lookup Details

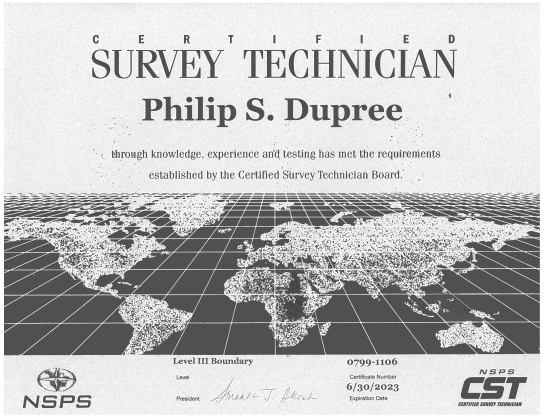
The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:
Civil Design & Construction, Inc.

Public Address:
Ms. Karla WestonP. O. Box 857
Port Allen, Louisiana 70767

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000555	Active	02/10/2006	09/30/2023	Mr. Ralph D. Burgess # PLS.0005040 - Active



CERTIFIED

SURVEY TECHNICIAN

Philip S. Dupree

through knowledge, experience and testing has met the requirements established by the Certified Survey Technician Board.

NSPS

Level III Boundary
Level

0799-1106
Certificate Number

President

6/30/2023
Expiration Date

NSPS CST CERTIFIED SURVEY TECHNICIAN

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)

Civil Design & Construction, Inc.

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

NC541330, NC541340, NC541350, NC541370

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

Certificate Eligibility: March 2022 to March 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

The American Traffic Safety Services Association

Hereby recognizes that

Philip S Dupree
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

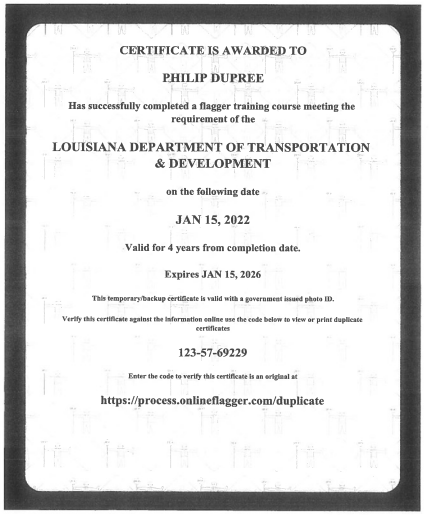
2/8/2019 to 2/8/2019
Date

ATSSA SAVES ROAD DAVE LIVES

Training & Products Dept. Director

Baton Rouge, LA
Location

President, CEO



CERTIFICATE IS AWARDED TO

PHILIP DUPREE

Has successfully completed a flagger training course meeting the requirement of the

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

on the following date

JAN 15, 2022

Valid for 4 years from completion date.

Expires JAN 15, 2026

This temporary/backup certificate is valid with a government issued photo ID.

Verify this certificate against the information online use the code below to view or print duplicate certificates

123-57-69229

Enter the code to verify this certificate is an orgianl at

https://process.onlineflagger.com/duplicate

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Ralph D Burgess
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 7/14/2023 State Issued in LA

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

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Jacob Stoehr
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 3/9/2025 State Issued in LA

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

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Jason Stoehr
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 6/25/2023 State Issued in LA

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

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Scott Benton
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 1/1/2024 State Issued in LA

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

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Trent Norris
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 2/28/2021 State Issued in LA

Instructor Signature

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

TWIC

BALLARD, CHRISTOPHER L.

Expires 2022JAN01

Transportation Worker Identification Credential

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.

Quality Management Plan WAS DELETED BY CCS

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 (as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
Civil Design & Construction, Inc.	3251 Southern Pacific Road Port Allen, LA 70767	Karla Weston, PE kweston@cdcbr.com	225-765-1802

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.

Design with Community in Mind