



I-10 AT LA 74

ASCENSION PARISH, LA

CONTRACT NO. 4400026027

STATE PROJECT NO. H.003771.2

FEDERAL AID PROJECT NO. H003771

Prepared for
**LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT**

Prepared by
STANTEC CONSULTING SERVICES INC.

JUNE 8, 2023




DOTD FORM: 24-102


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.	I-10 at LA 74
2.	Contract number(s) as shown in the advertisement	No. 4400026027
3.	State Project Number(s), if shown in the advertisement	H.003771.2
4.	Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Stantec Consulting Services Inc. 
5.	Prime consultant license number (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	EF.0003506
6.	Prime consultant mailing address	1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	Scott Hoffeld, PE, Senior Project Manager (225) 572-7111 scott.hoffeld@stantec.com
9.	Name title, phone number, and email address of the official with signing authority for this proposal	Steve Wallace, PE, Senior Principal (225) 215-5154 stephen.wallace@stantec.com

10.	<p>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.</p>	<p>Signature (shall be the same person as #9):</p> <div data-bbox="1291 219 1837 332" style="text-align: center;">  </div> <hr/> <p>Signature above shall be the same person listed in Section 9:</p> <hr/> <p>Date: June 8, 2023</p>	
11.	<p>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.</p>	<p><u>Firms(s)</u></p> <p>Civil Design & Construction</p> <p>The Lakvold Group</p>	<p><u>Firm(s)%:</u></p> <p>4%</p> <p>2%</p>

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

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

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

Past Performance Evaluation Disciplines	% of Overall Contract	Stantec Consulting Services Inc. (Prime)	Terracon Consultants, Inc.	Franklin Associates, LLC	SJB Group, LLC	The Lakvold Group, LLC	Civil Design & Construction	Each Discipline must total to 100%
Road	17%	71%			5%		24%	100%
Bridge	5%	100%						100%
Traffic	33%	100%						100%
Environmental	45%	74%	11%	11%		4%		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%	83%	5%	5%	1%	2%	4%	100%

13. **Firm Size:**

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Civil Design & Construction, Inc.	Engineer	1	1
Franklin Associates, LLC	Planner	2	6
The Lakvold Group, LLC	Other (Real Estate Specialist)	1	0
SJB Group, LLC	Principal	0	1
SJB Group, LLC	Engineer	1	3
SJB Group, LLC	Surveyor	0	1
SJB Group, LLC	Sr. Tech.	1	6
Stantec Consulting Services Inc.	Principal	1	2
Stantec Consulting Services Inc.	Supervisor Engineer	1	1
Stantec Consulting Services Inc.	Supervisor Other	1	1
Stantec Consulting Services Inc.	Engineer	8	17
Stantec Consulting Services Inc.	Engineer Intern	0	7
Stantec Consulting Services Inc.	Planner	3	2
Stantec Consulting Services Inc.	Environmental Professional	2	4
Stantec Consulting Services Inc.	Biologist/Wetlands	2	4
Stantec Consulting Services Inc.	Archaeologist	1	3
Stantec Consulting Services Inc.	Archaeologist Tech.	0	2
Stantec Consulting Services Inc.	Historian	1	5
Stantec Consulting Services Inc.	Landscape Architect/Graphics	1	2
Stantec Consulting Services Inc.	Geologist	0	1
Stantec Consulting Services Inc.	GIS Analysis	1	2
Stantec Consulting Services Inc.	Sr. Tech.	0	2
Stantec Consulting Services Inc.	CADD Tech.	0	2
Stantec Consulting Services Inc.	Clerical	0	2

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.	Administrative	0	1
Stantec Consulting Services Inc.	Other (Real Estate Specialist)	0	1
Terracon Consultants, Inc.	Engineer	1	1
Terracon Consultants, Inc.	Environmental Mgr.	0	2
Terracon Consultants, Inc.	Environmental Professional	1	1
Terracon Consultants, Inc.	Biologist/Wetlands	1	3
Terracon Consultants, Inc.	Geologist	1	2



I-10

Former above ground
waste oil storage
tank locations

Former waste oil pits

Former waste oil ponds

★ Monitoring well locations

SECTIONS 14 - 16

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.

PROJECT TEAM:

Stantec is an international design firm, whose roots in Louisiana began at ABMB in Baton Rouge, which was established in 1982. Stantec's over 100 Louisiana staff provides a variety of design, modeling, inspection, and planning services to the DOTD that have included some of DOTD's most challenging controlled-access facility projects including the I-49 Connector, Loyola Interchange, the US 90 at LA 318 interchange, the I-49 Inner City Loop, I-210 Cove-Nelson Interchange among others.

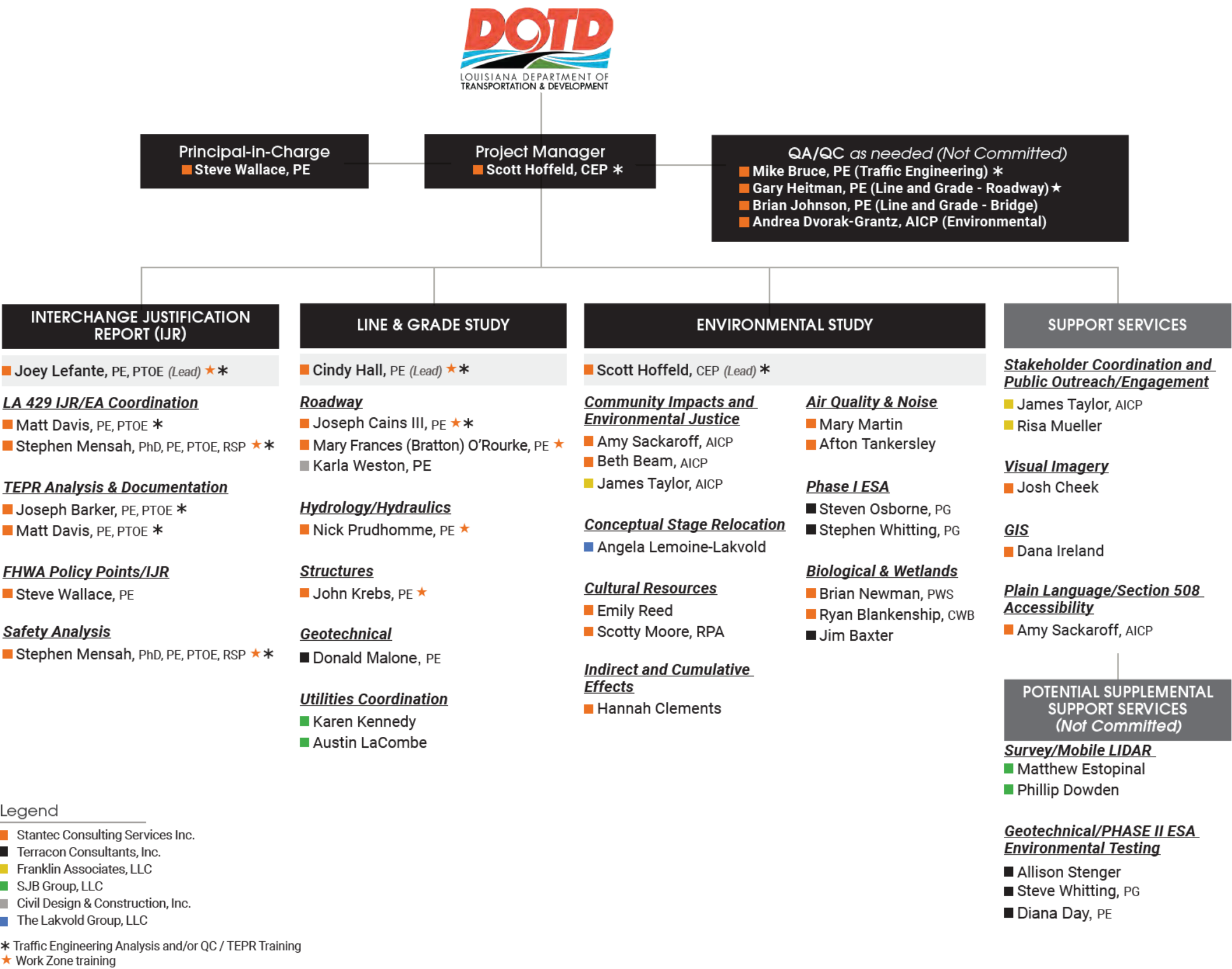
Terracon Terracon Consultants - A leading provider of geotechnical and environmental engineering and testing services, Terracon has one of the nation's largest owned and operated fleet of geotechnical exploration equipment, a network of more than 140 laboratories, and more than 175 locations serving all 50 states. Terracon has successfully been a leading provider of geotechnical and environmental services for DOTD, including their environmental testing on the I-49 Connector, and multiple wetlands permitting assignments associated with the off-system bridge program. Their experience also includes USEPA Superfund site acquisition work and the Stantec-Terracon Nelson Road EA.

Franklin Associates, LLC - Franklin Associates is a minority-owned business, specializing in public outreach and involvement firm located in Baton Rouge, with over 17 years of successful experience developing, deploying, and documenting public involvement efforts tied to comprehensive plans, localized community improvement plans, and NEPA-guided transportation improvement initiatives across the southeast. Franklin has utilized its outreach and engagement experience on transportation projects throughout the state and specifically in the local area on projects such as Move Ascension, MOVEBR, I-10 Pecue Lane Interchange, and I-10 Widening from LA 415 to Essen Lane.

SJB Group, LLC - SJB is a long-standing Baton Rouge based firm that has recently been acquired and undergoing certification as a veterans-owned firm. SJB specializes in utilities location services and surveying, including the use of mobile LIDAR as an inexpensive added-value to pre-design and topographical survey contracting.

The Lakvold Group - The Lakvold Group is a woman-owned business/DBE firm that specializes in expropriation work and has worked on numerous projects to acquire right-of-way for road widening projects, pipelines, and conservation servitudes. Angie is one of the primary service providers for DOTD Conceptual Stage Relocation Plans, which have included the I-10 Loyola Interchange project.

Civil Design and Consultants (CD&C) - CD&C is a DBE firm providing Civil and Roadway Engineering, Cost Engineering, and Land Surveying for various governmental agencies on the federal, state and local levels. They have a combined staff of highly skilled design engineers, surveyors, cost estimators, and construction experts that produce a quality design while adhering to all regulations.





15. Minimum Personnel Requirements:

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


MPR No.	Personnel being used to meet the MPR (Individual(s) <i>may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement</i>)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (EX: PE # - Civil)	State of license	License / certification expiration date
1.	Steve Wallace	Stantec	PE #22750 - Civil	LA	09/30/2024
2.	Scott Hoffeld, CEP	Stantec	CEP #02040408	National	N/A
3.	Scott Hoffeld, CEP	Stantec	CEP #02040408 Completed NEPA and Transportation Decision Making Certification and Training	National	N/A
	<i>Other Staff Meeting this MPR:</i> Beth Beam, AICP	Stantec	AICP #013384 Completed NEPA and Transportation Decision Making Certification and Training	National	N/A
4.	Mary Martin	Stantec	N/A	N/A	N/A
5.	Steve Whitting, PG	Terracon	Professional Geoscientist No. 346	LA	11/25/2023
6.	Jim Baxter	Terracon	Certification: Wetland Delineation	N/A	N/A
7.	Ryan Blankenship, CWB	Stantec	Certified Wildlife Biologist	National	04/01/2025
8.	Scotty Moore, RPA	Stantec	RPA #13500 Completed Section 106 of the National Historic Preservation Act Training	TX	N/A
9.	Emily Reed	Stantec	Master's Degree in Historic Preservation	N/A	N/A
10.	Angie Lakvold, MAI, SRA, R/W-AC	Lakvold	Real Estate Appraiser #G0575	LA	12/31/2023
11.	Cindy Hall, PE	Stantec	PE #27073 - Civil	LA	9/30/2023
	<i>Other Staff Meeting this MPR:</i> Joseph Cains III, PE Nick Prudhomme, PE Mary Frances (Bratton) O'Rourke, PE	Stantec	PE #33670 - Civil PE #35996 - Civil PE #41444 - Civil	LA LA LA	3/31/2024 3/31/2025 9/30/2023
12.	Joey Lefante, PE, PTOE	Stantec	PE #37244 - Civil PTOE #3560	LA LA	9/30/2024 11/20/2025
	<i>Other Staff Meeting this MPR:</i> Matt Davis, PE, PTOE	Stantec	PE #38947 - Civil PTOE #3914	LA LA	9/30/2024 7/21/2024

16. **Staff Experience:**

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 N/A		
YEAR REGISTERED	2002	DISCIPLINE	Certified Environmental Professional of the Academy of Board Certified Environmental Professionals	
Contract role(s) / brief description of responsibilities	<p>Scott will serve as the PROJECT MANAGER and ENVIRONMENTAL STUDY TEAM LEAD for this contract. He is a Senior Environmental/Transportation Planner and economist with over 29 years of NEPA and permitting experience for LADOTD, spanning from EAs, CE and re-evaluations to complete multi-phased and 3rd party EISs and supplemental EISs. His project experience has included IJR; hazardous materials; and EJ outreach/involvement, impact and mitigation analyses; and the use of benefit-cost analysis in public-project alternative investment and decision-making. He has completed the DOTD TEPR training, NHI NEPA Decision-Making course among many others. His master's thesis was "Scoping in Environmental Impact Assessment," and he was lead methodologist and authored the TRB's Transportation Research Record No. 1626. (Sept. 1998) on determining disproportionate Impacts in "Environmental Justice Evaluation." Scott meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 2 and 3. Why was Scott was selected for this assignment? ✓30 years of DOTD NEPA project experience; ✓Directly-applicable IJR, EJ and hazardous materials project experiences; ✓Effective past working relationships with Stantec and other teaming partners.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Assistant Program Manager. Scott is responsible for managing the program schedule and assisting in the direction of services for this complex program, and serving as the program management lead representative for aviation, CSS and public outreach/engagement tasks, and environmental tasks that include both a 2003 ROD Reevaluation and ongoing Supplemental EIS and related EJ analyses. As of June 2023, the critical ongoing activities include expediting the ROD Reevaluation and SEIS activities and collaborating with DOTD on the construction phasing and delivery methods, and siting of Terracon environmental testing. The program includes management of the budget and its 13 sub-consultants; coordination with DOTD HQ & District 03, City-Parish, MPO, USACE, FAA, LFT Airport, SHPO and DEQ, and community/stakeholders; ROW Acquisitions and Utility Relocations; and maintenance of traffic to minimize congestion during construction.			
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.			
01/10 - 12/15	EA/IMR AND ROUNDABOUTS ANALYSIS FOR KANSAS LANE - GARRETT ROAD CONNECTOR AND I-120 INTERCHANGE LADOTD Monroe, LA Project Manager. Scott served as Project Manager for an I-20 interchange improvement abutting the Pecanland Mall in Monroe. Coordination was required with the Kansas City Southern railroad in the evaluation of alternative crossing locations and bridge/tunnel options. Railroad crossing safety improvements were evaluated and costed. Local mall-patron travel patterns were evaluated in detail along with potential roundabout options, which included combining frontage roads with I-20 ramps.			

12/14 - 12/17	US 11 NORFOLK SOUTHERN RAILROAD OVERPASS REPLACEMENT LADOTD SP No. H.000688 Orleans Parish, LA Project Manager. Project consisted of 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.
04/18 - 06/18	I-10/LOYOLA INTERCHANGE IMPROVEMENTS EA / S.P. NO. H.011670 LADOTD Kenner, LA QC Officer. Performed QC on EA Document for Prime Consultant of a high-priority interchange project that will improve access and traffic operations to and around the new Northfield Terminal at the New Orleans Airport.
08/22 - 10/22	I-526 LOWCOUNTRY CORRIDOR WEST Charleston, SC Transportation Economist responsible for completing a benefit-to-cost analysis for an application for the USDOT's Reconnecting Communities Pilot Program RAISE grant associated with the environmental justice (EJ) mitigation plans. Public benefits and costs were monetized where possible, including bicycle and pedestrian roadway and railroad crossing-related safety improvements; and the addition of transit shelters, community streetlighting, traffic calming, stormwater drainage improvements, and aesthetic landscaping.
02/16 - 12/17	FLORIDA AVENUE IMPROVEMENTS LADOTD Orleans and St. Bernard Parishes, LA Project Manager. 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.
06/97 - 12/98	ENVIRONMENTAL JUSTICE ANALYSIS: WILMINGTON BYPASS CORRIDOR STUDY Wilmington, NC Task Manager, Methodologist and Principal Author. A method was developed to determine if the proposed project would effect disproportionate impacts to any minority or low-income population by the use of reference population comparisons to determine a theoretical proportionally impacted populations (minority and low-income) -- compared to affected populations of sub-groups.
01/98 - 12/00	EA FOR US-190 WIDENING LADOTD Mandeville, LA Environmental Planner. Scott served as Environmental Planner for the US-190 widening EA in Mandeville. Approximately 6 miles in length, it included both urban and rural roadway segments. Context-sensitive solutions were developed to minimize adverse effects to Fountainsbleu State Park. The corridor also assessed effects to two Louisiana scenic streams, as well as aesthetic impacts of the removal of several significant oaks in Mandeville proper.
04/10 - 10/14	EA FOR CHEF MENTEUR BRIDGE AND APPROACHES REPLACEMENT - WITH FONSI LADOTD Orleans Parish, LA Project Manager. Scott was the project manager for a high-priority bridge replacement EA and Line and Grade Study, responsible for coordination and technical assessment of key issues. Both movable and fixed-span designs are under consideration along three alignments in an area of notable environmental and design challenges. Built in 1930, the existing US 90 swing-span bridge over Chef Menteur Pass has two 10-foot lanes, no shoulders and a bridge sufficiency rating of 37. Environmental constraints include the abutting Venetian Isles subdivision, Fort Macomb structure and state parkland, terrestrial and submerged archaeological sites, and the Bayou Sauvage National Wildlife Refuge. Intensive public and agency outreach and involvement was initiated along with computerized renderings of postconstruction views to be used in the effort.
05/03 - 01/04	BATON ROUGE NORTH BYPASS FEASIBILITY STUDY LADOTD Baton Rouge, LA Project Economist, Transportation and Environmental Planner. Scott worked with the Stantec team, formerly ABMB during this project. He was responsible for the environmental inventory, alternatives development and screening, and transportation benefits evaluation of alternatives. Transportation benefits analysis will generally comply with the of the AASHTO User Benefit Analysis for Highways Manual (AASHTO 2003) but be abbreviated in scope as only mesoscale measures of effectiveness will be available to assess transportation effects. Particular attention will be paid to the benefits of the bypass to peak period congestion along several I-10 sections that have no shoulders and create substantial non-recurrent congestion delays during incidents. Tolls and other innovative funding and financing alternatives will be evaluated in order to provide the most palatable implementation options for the region.
01/07 - 06/08	BATON ROUGE LOOP IMPLEMENTATION PLAN LADOTD Baton Rouge, LA Project Transportation and Environmental Planner. Scott worked with the Stantec team, formerly known as ABMB during this project. He was responsible for agency and stakeholder coordination, environmental inventory, corridor development and screening, and evaluation of corridors. With its limited east-west arterials and explosive growth since Hurricane Katrina, City of Baton Rouge residents and officials relegated themselves to the need for a new loop roadway. Traffic and revenue forecasts were completed to determine the potential feasibility and priority of various sections of the Loop. The best corridors will be retained for study in a two-tier NEPA documentation process, where Tier 1 will select the best corridor for subsequent Tier 2 NEPA documentation for the various sections of independent utility.


16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Steve Wallace, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	32	
TITLE	Senior Principal	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	9	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1982 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 22750 LA 09/30/2024		
YEAR REGISTERED	1987	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	<p>Steve will serve as PRINCIPAL IN CHARGE and provide FHWA Policy Points/IJR SERVICES for this contract. Steve has managed and participated in numerous traffic, highway, and bridge projects over the past 32 years with Stantec. Steve's comprehensive knowledge of these disciplines has enabled him to competently perform engineering services from conceptual / traffic studies to plan preparation (preliminary through final stages), as well as construction supervision. He has 41 years of experience in the design and management of transportation-related projects. His project experience ranges in complexity from major rural and urban roadway projects to minor urban projects. Steve meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 1</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/15 - Ongoing	<p>I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Program Manager. Steve is directing all services for this complex program and serve as the program manager, ultimately responsible for QA. As of June 2023, the critical ongoing activities include finalizing geometric line and grade, traffic studies, bridge studies, expediting the ROD Reevaluation and SEIS activities, and collaborating with DOTD on the construction phasing and delivery methods of the project. One of Steve's teams is completing a supplemental EIS for these new alternatives under consideration. Ultimately, the program includes management of the budget and its 13 sub-consultants; coordination with DOTD HQ & District 03, City-Parish, MPO, USACE, FAA, LFT Airport, SHPO and DEQ, and community/stakeholders; ROW Acquisitions and Utility Relocations; and maintenance of traffic to minimize congestion during construction.</p>			
12/06 - Ongoing	<p>I-49 INNER CITY CONNECTOR PROJECT LADOTD Shreveport, LA Lead Traffic Engineer. Steve is leading Stantec's effort to provide geometric line and grade, and traffic, bridge, and environmental services for the 3.5 mile route that will connect the existing I-49/I-20 interchange to the proposed I-49/I-220 interchange. During Stage 0, Stantec used the Regional Travel Demand Model to compare potential alternatives routes and determine which best met the overall project's purpose and need. VISSIM models were also developed to provide a closer demonstration of traffic flow within the alternatives to help obtain public acceptance, which has been a critical piece of the project. Currently in Stage 1, Steve is overseeing preparation of the Interchange Justification Report (IJR) at the new I-49 / I-220 interchange and the Interchange Modification Report (IMR) at the existing I-49 / I-20 interchange. Traffic projections will be developed for the existing year, implementation year and design year. Over 20 interchanges will be analyzed as part of the comprehensive IJR and IMR studies, which include mainline segments, weave segments, ramp junctions, and ramp terminals. Over 70 intersections, including cross streets at the interchanges will be analyzed as well. In total, over 5000 analysis points will be included in the IJR and IMR effort.</p>			
01/2007 - 12/2015	<p>BATON ROUGE LOOP IMPLEMENTATION PLAN AND TIER 1 EIS LADOTD Baton Rouge, LA Project Manager. Steve managed and was responsible for the QA of Stantec's responsibilities for this 90 to 105-mile toll loop through 5 parishes. It involved extensive coordination with affected agencies including EBRP, Ascension Parish, Iberville Parish, LADOTD, FHWA, Coast Guard, and Corps of Engineers, as well as public outreach and public meetings. Stantec's scope of work included determining potential corridor alternatives, preliminary regional traffic modeling and studies, traffic and revenue studies and toll analyses, preliminary cost estimates, participation in environmental inventories, among other tasks. This effort led to securing a Final Environmental Impact Statement in November of 2015.</p>			




04/11 - 06/15	I-210 COVE LANE INTERCHANGE LADOTD Lake Charles, LA Project Manager. Steve was responsible for QA and direction of all aspects of this new tight urban diamond interchange that included: line and grade design, plan development, right-of-way maps, and utility relocation. The project was designed and let for construction using a fast-track schedule in just over 2 years from beginning the IJR to construction letting. Working with DOTD and FHWA, Steve orchestrated parallel QC reviews and approvals for the IJR, EA, and design/plan development. The interchange serves as primary access for a new casino development adjacent to I-210 and greatly improves historic traffic congestion in the area.
01/10 - 09/12	NELSON ROAD EXTENSION AND BRIDGE OVER CONTRABAND BAYOU Lake Charles, LA Project Manager. Steve served as Project Manager for this new high-level bridge (51-foot clearance) over the navigational channel of Contraband Bayou. This project provides a crucial link to downtown Lake Charles and the Port by extending Nelson Road over Contraband Bayou to Sallier Street. Coordination with LADOTD, FHWA, USACE, US Coast Guard, City of Lake Charles and the Port were all required to gain approvals and acceptance of the project. Steve led the effort to develop alternative connection configurations to Sallier Street at the foot of the high-level bridge. Adjacent Port of Lake Charles rail operations, sensitive neighborhood issues, and roadway safety concerns were all included in selecting the preferred option. He led the effort to secure a FONSI, Section 404 and Section 10 permits, public involvement, noise studies, Phase I Environmental Site Assessments, traffic studies, cost estimates and line and grade studies. Steve worked closely with City leaders and the Port to relocate the railway and determine the ultimate roadway cross section, which includes pedestrian and bicycle paths and facilities.
02/04 - 08/05	I-210 AT NELSON ROAD INTERCHANGE TURNAROUND Lake Charles, LA Project Manager. After developing several alternatives to alleviate anticipated traffic congestion at the I-210/Nelson Road interchange, Steve also led the traffic and conceptual study to select the preferred solution. Project improvements included a turnaround at the end of the EB exit ramp, a WB frontage road and new WB entrance ramp. Traffic analyses and modeling included the Nelson Road and W. Prien Lake corridors and I-210 ramp terminals with Nelson Road. As the project moved into the design phase, Steve provided oversight of the construction plan development and contract documents. Signal and roadway design and plans were major items in construction documents. Steve also provided coordination with the developer, City of Lake Charles, LADOTD and FHWA in order to obtain project approval.
03/05 - 07/11	I-10 / PECUE LANE INTERCHANGE JUSTIFICATION STUDY Baton Rouge, LA Project Manager. Project Manager Steve led the IJR documentation for a proposed interchange at I-10 and Pecue Lane, between Siegen Lane and Highland Road. The study addressed the need for the interchange based on current and future traffic volumes, analyzed the interchange to determine lane geometry and level of service, and analyzed adjacent intersections to determine the impact of the additional interchange both before and after. This study also addressed the realignment of Pecue to create a continuous corridor from Highland Road to Jefferson Highway, which has since been funded by the City of Baton Rouge.
04/03 - 06/05	I-10 FRONTAGE ROADS AT PICARDY AVENUE INTERCHANGE Baton Rouge, LA Project Manager. Steve was instrumental in developing concepts and traffic studies for the addition of frontage roads and reconfiguration of interstate ramps. Responsibilities included oversight and preparation of design details and plans including cost estimates. In addition to the frontage roads, the project scope included design details for six ramps connecting interstate to frontage roads and the extension of a local road to tie into the frontage roads. Public meetings and participation in coordination efforts with multiple agencies was also required.
12/09 - 12/11	US 90 AT LA 85 INTERCHANGE DESIGN BUILD Jeanerette, LA Project Manager. As one of LADOTD's first Design-Build teams, Steve managed the design effort and served as engineer of record for this project which provided a new overpass of US 90 across LA 85. All aspects of roadway, traffic, bridge and drainage design were involved in this project, including raising the classification and design standards for US 90 to interstate standards. A Quality Plan was also developed and approved by LADOTD to manage the design quality control provided by Stantec for the project.
05/01 - 06/02	LA 1 / I-10 CONNECTOR ROUTE Baton Rouge, LA Project Manager. Responsible for the initial formulation and development of this project. An initial Corridor Study and Phase II Corridor Study were completed that identified a potential initial corridor, evacuation needs, economic impacts, and preliminary project costs.

16. Staff Experience:


FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Mike Bruce, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		38
TITLE	Senior Principal		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		7
DEGREE(S) / YEARS / SPECIALIZATION		BS 1978 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No.0020397 LA 09/30/2024			
YEAR REGISTERED	1983	DISCIPLINE	Civil Engineer		
Contract role(s) / brief description of responsibilities	Mike will serve as QA/QC-TRAFFIC ENGINEERING for this contract. As a senior principal, Mike has managed or participated in the design of numerous traffic, bridge, highway and general civil engineering projects. He has 45 years of experience in the design and management of transportation related projects, including comprehensive expertise in innovative intersections, the preparation of construction plans specifications and estimates for roadway and bridge projects, master plan projects, and feasibility studies for transportation networks. The complexity of his roadway experience ranges from minor urban street rehabilitation, to rural highways, urban interstate construction, including geometrics for many major interstate interchanges.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Traffic Manager. Mike is responsible for overseeing traffic tasks, coordinating with project management to provide traffic resources for the project. The project includes a comprehensive Vistro model of the Lafayette area, as well as additional analyses using TransCAD, VISSIM, and Sidra software packages. The project follows the Access Justification Request (AJR) guidelines established by DOTD and FHWA, and includes a VISSIM model of the core area calibrated to DOTD standards.				
10/15 - 04/16	CAPITAL REGION INDUSTRY FOR SUSTAINABLE INFRASTRUCTURE SOLUTIONS (CRISIS) CRISIS Baton Rouge, LA Principal-in-Charge. Mike led TransCAD modeling for 21 regional mega-projects to prioritize and determine their potential impact on the regional roadway network. This analysis compared annual hours saved across the regional network to project construction costs for each option. His team prepared conceptual construction costs based on Stantec's experience building large projects for LADOTD and FHWA. Additional analysis on alternative funding sources for the proposed projects were performed, including tolling revenues and the potential impact of toll diversions on each project.				
08/10 - 06/11	FUTUREBR - EAST BATON ROUGE PARISH COMPREHENSIVE MASTER PLAN Baton Rouge Area Chamber Baton Rouge, LA Principal-in-Charge. Mike served as Principal-in-Charge for Stantec's portion of the effort, including all analyses and modeling. The plan included recommendations and implementation plans regarding the following elements: future land-use, traffic circulation and mass transit, wastewater, solid waste, and drainage issues, conservation and environmental resources, recreation and open space policies, housing, public services and facilities, development and redevelopment policies, health and human services, and methods of financing to implement recommendations. Stantec developed the Traffic & Transportation Plan and produced a related study on the Capital Area Transit System utilizing Synchro to identify current capacity constraints and anticipated future deficiencies in the system.				
02/11 - 06/13	US 61 - TULANE AVENUE, STAGE 1 – ENVIRONMENTAL ASSESSMENT New Orleans, LA Principal-in-Charge. Mike served as Principal-in-Charge for this project to assess Tulane Avenue as a candidate for the reduction of roadway lanes to provide for bike lanes, parking lanes and a widened median. He also served as a secondary channel of communication for the RPC and LADOTD as they seek to improve visual quality along the corridor and enhance pedestrian and bicycle mobility and safety.				
01/07 - Ongoing	BATON ROUGE LOOP IMPLEMENTATION PLAN AND TIER 1 EIS LADOTD Baton Rouge, LA Principal-in-Charge. Mike has been overseeing Stantec's responsibilities for this ongoing effort which include: corridor selection, traffic benefits, design criteria, typical sections, cost estimates and potential right-of-way required. This project involves extensive coordination with affected agencies including the 5 parishes, LADOTD, FHWA, Coast Guard and Corps of Engineers, as well as, public outreach and public meetings				
04/01 - 04/02	LA 1 CONNECTOR LADOTD West Baton Rouge, LA Principal-in-Charge. Mike served as Principal-in-Charge for the Initial Corridor Study and Phase II Corridor Study used to identify a potential initial corridor that considers evacuation needs, economic impacts, and preliminary project costs.				

16. Staff Experience:


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 QA/QC-LINE & GRADE (ROADWAY) 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.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD 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.			
04/11 - 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.			
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.			
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. The project is currently in construction where Gary is assisting with construction support			
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.			

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, and will do the same for Ph. II when construction begins on that segment.
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.
08/05 - 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.
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.



16. Staff Experience:

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 will serve as QA/QC-LINE & GRADE (BRIDGE) for this contract. He brings 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.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 Kenner, LA 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. Brian will provide construction support services.			
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.			

16. Staff Experience:



FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Andrea Lynn Dvorak-Grantz, AICP	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	21	
TITLE	Senior Transportation Planner/Senior Environmental Scientist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1996 Biology // BS 1992 Biology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		AICP No. 02224 US N/A		
YEAR REGISTERED	2005	DISCIPLINE	Planning	
Contract role(s) / brief description of responsibilities	Andrea will serve as QA/QC-ENVIRONMENTAL for this contract. She has 26 years of experience including managing complex environmental evaluations for major transportation improvements, transportation planning, environmental documentation, impact assessments, threatened and endangered species surveys, wetland and stream delineations, baseline risk assessments, and permitting. She has managed many NEPA projects which included planning, budgeting, coordinating, managing field investigations, document preparation, client/regulatory interfacing, and public involvement. Her experience includes project management, transportation planning, natural resource studies, NEPA environmental documentation, public involvement, and agency coordination. Andrea has prepared federal and state Environmental Impact Statements (EIS), Environmental Assessments (EA), and Categorical Exclusions (CE). Andrea has performed other environmental studies, including stream classifications, wetland delineations, threatened and endangered species surveys, water quality improvement initiatives, soil and groundwater investigations, baseline risk assessments and development of ecological monitoring plans.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-526 LOWCOUNTRY CORRIDOR WEST Charleston, South Carolina Senior Transportation Planner. Assist in the preparation of an Environmental Impact Statement (EIS) and associated socio-economic technical studies as well as development of context sensitive design solutions and public outreach efforts for widening and other improvements to the I-526 corridor in North Charleston.			
10/03 - 08/20	I-40 / NC 42 INTERCHANGE IMPROVEMENTS ENVIRONMENTAL ASSESSMENT Johnston County, North Carolina Project Manager. Environmental fieldwork, technical studies, public involvement, and NEPA document for a single point urban interchange. Responsible for project management, public involvement, leading delineations of jurisdictional waters, conducting threatened and endangered species surveys, natural resource investigations, client and agency coordination, and document preparation.			
06/12 - 06/18	NC 150 WIDENING Catawba and Iredell Counties, North Carolina Project Manager. Environmental fieldwork, technical studies, public involvement, and NEPA document for widening a multi-lane facility. Responsible for project management, public involvement, leading delineations of jurisdictional waters, conducting threatened and endangered species surveys, natural resource investigations, client and agency coordination, and document preparation. Additional studies include traffic forecasting and capacity analysis and preliminary design.			
12/16 - 08/19	BRAWLEY SCHOOL ROAD WIDENING Iredell County, North Carolina Project Manager. Environmental fieldwork, technical studies, public involvement, and NEPA document for widening a multi-lane facility. Responsible for project management, public involvement, leading natural resource investigations, client and agency coordination, and document preparation. Additional studies include traffic forecasting and capacity analysis and preliminary design.			
01/21 - Ongoing	I-26 WIDENING MILE MARKER 125-137 South Carolina NEPA Task Lead. Overseeing the planning efforts, technical analyses, preparation of the environmental document, document coordination with the agencies, and public outreach for this project. Cost: \$318M (construction). Construction 2026 (est).			

16. Staff Experience:

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 #37244 LA 09/30/2024 PTOE #3560 LA 11/20/2025		
YEAR REGISTERED	2012	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Joey will serve as IJR TEAM LEAD for this contract. 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 meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 12			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 Kenner, LA 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 enhance 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.

16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Cindy Hall, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	31	
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	<p>Cindy will serve as LINE & GRADE STUDY TEAM LEAD for this contract. Her 31 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, IMRs, Environmental Assessments, Public Meetings and Stakeholder Coordination. 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 four Design-Build projects for LADOTD, all of which involved alternatives analysis, interchanges, and interstate auxiliary lanes. Cindy meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 11</p> 			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	<p>I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Kenner, LA Design Manager. This multimillion-dollar project 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. The D-B Team recommended an alternative technical concept which required the completion of the Interchange Modification Report (IMR) and a Reevaluation of the Environmental Assessment. Cindy assisted Stantec's traffic engineers with the IMR by evaluating critical geometry, signing, striping and providing documentation. Cindy and her project team provided exhibits and traffic models that were used during the public meeting and assisted DOTD with costs and documentation of impacts for the reevaluation. Cindy has worked with the contractor to develop phased construction plans and design unit plan sets to construct the critical path items first.</p>			
05/15 - 06/18	<p>US 90 AT LA 318 INTERCHANGE DESIGN-BUILD LADOTD St. Mary Parish, LA Design Manager. This design-build project 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, which eliminated a loop ramp and providing a tighter ramp configuration. This ATC conserved right of way and lessened impacts to the community and the environment, and saved construction cost. Stantec assisted DOTD in the Reevaluation of the NEPA document and attended the public meeting. 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.</p>			
01/12 - 02/17	<p>PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS AND RIGHT-OF-WAY MAPS City of Baton Rouge Contract 12-CS-HC-0015 Baton Rouge, LA Project Manager. Cindy managed Stantec's team to conduct an environmental evaluation and engineering services study. The study was required to assess the construction of improvements to 3.4 miles Perkins Road (LA 427) from the existing 2-lane roadway to a 4-lane divided curb and gutter roadway with raised median, sidewalks, sewer and subsurface drainage. Cindy's team developed the following: conceptual traffic and design alternatives for the Environmental Assessment (EA) as needed throughout the NEPA process, environmental technical reports and public involvement to produce the EA, and the EA document which was in accordance with the Federal Highway Administration (FHWA) National Environmental Policy Act (NEPA) procedures. Cindy was responsible for the line and grade and preliminary plans for widening 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, sidewalks, sewer and subsurface drainage. Cindy also oversaw the production of the final right of way maps. The Perkins Road preliminary plans were designed to LADOTD standards, but the roadway has now been transferred to the City of Baton Rouge.</p>			


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.
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. This project required collaboration with the designer, surveyor, and contractor of the I-12 Widening O'Neal Lane to Amite River Bridge project.
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.
12/07 - 01/12	I-10 RYAN STREET EXIT RAMP Lake Charles, LA Project Manager. Cindy was the project manager for this urban interstate project in Calcasieu Parish. The project involved the design of a westbound loop ramp from I-10 to Ryan Street, the gateway to downtown Lake Charles. The project also adds a one-way frontage road on the south side of the interstate to produce connectivity to Ryan Street and improve traffic operations. Design development included alternate route studies, traffic studies, preliminary and final plans, geometrics and drainage design, Interstate signage, quality control and coordination with City and State officials.
12/06 - 01/09	S. SHERWOOD FOREST BOULEVARD AT I-12 Baton Rouge, LA Project Manager. Cindy was in responsible charge of design and plan development for two interstate ramp improvements, 900-feet of new five-lane roadway, and intersection improvements including signing and signalization. Cindy was in charge of construction plan development and design of preliminary and final plans including geometrics, subsurface drainage, striping, sequence of construction, quantities, cost estimates, and quality control. Activities included permit drawings, public meetings and coordination with City, State, Federal officials and sub-consultants.
01/18 - 02/23	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. Phase 2 plans are complete but Stantec will provide construction support services.
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.
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.

16. **Staff Experience:**


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 #38947 LA 09/30/2024 PTOE #3914 LA 07/21/2024		
YEAR REGISTERED	2014	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	<p>Matt will serve as Transportation Engineer for LA 429 IJR/EA COORDINATION and TEPR ANALYSIS & DOCUMENTATION for this contract. He 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 meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 12.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/18 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 Kenner, LA Traffic Quality Control Reviewer. Matt performed quality review on ITS and traffic signal plans as well as the VISSIM model developed for the Diverging Diamond Interchange signals and the Transportation Management Plan prepared for this design-build project. Project also includes adjacent signalized intersections north and south of the interchange along with a multi-use path for pedestrian and bicycle accommodations. The Veterans Boulevard intersection with Loyola Avenue utilizes traffic signal equipment mounted to the flyover bridge structures.			
04/11 - 06/15	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT LADOTD Lake Charles, LA Traffic Engineer. Matt developed an IJR for I-210 between Cove Lane and Nelson Road interchanges. Coordination contributed to the expedited 8-month NTP to FONSI EA timeline realized for this high-profile project. Peak hour traffic volumes for 28 possible design alternatives accommodated all future developments including the Ameristar Casino and Hotel north of I-210. Alternatives were reduced to 8, on which HCS and SIDRA analyses for over 50 locations per alternative were performed.			
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.			





16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Stephen Mensah, PhD, PE, PTOE, RSP1		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		11
TITLE	Associate, Traffic Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		5
DEGREE(S) / YEARS / SPECIALIZATION		PhD 2007 Civil Infrastructure Systems in Transportation; MS 2002 Civil Engineering; BS 1998 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE #38591 LA 09/30/2024 PTOE #3960 LA 11/18/2024			
YEAR REGISTERED	2013	DISCIPLINE	Civil Engineering;		
Contract role(s) / brief description of responsibilities	Stephen will serve as Transportation Engineer for LA 429 IJR/EA COORDINATION and SAFETY ANALYSIS for this contract. He is a transportation and traffic engineer, with 16 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.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 Kenner, LA Safety Engineer. Stephen was responsible for analyzing the historical crashes on the road network of the project environs to help develop the TMP and to mitigate crashes on the corridors based on the prevailing crashes identified in the analysis. He modeled using the IHSDM the interstate system, ramps and surface streets to determine the safety performance of design concepts under consideration for the design-build.				
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Safety Analyst. Stephen is responsible for the safety analysis of interchange designs providing inputs for crash mitigation. The scope of the safety analysis included historical crash analysis to understand safety performance within the corridor and how that would impact TMP. Stephen further developed an IHSDM model of the corridor to predict and evaluate safety performance of various geometric alternatives considered for the project, and to guide selection of a build alternative that fosters safety for all road users.				
05/12 - 08/12	MTP REFINEMENT: ROAD SAFETY ASSESSMENT LADOTD Slidell, LA Safety Analyst. Stephen gathered/analyzed crash data, traffic volumes, traffic speed, signal timings and phasing information from the RPC and other resources. He assessed road safety of a high-accident corridor with the objective of identifying the different safety issues and recommending potential safety improvements. He provided an inventory of pertinent roadway elements (i.e. lane width, pavement markings, signage, surface obstacles). Road safety issues and improvements included speed, multi-modal considerations, pavement marking, signs, intersection control, lighting, obstructions, access points, traffic generators and weather conditions.				
03/11 - 03/15	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT LADOTD Lake Charles, LA Safety Analyst. Stephen was responsible for the safety analysis of the intersections and segments impacted by this development including analysis of the freeway safety performance to identify crash hotspots or abnormal crash locations for mitigation. He performed safety assessments for the temporary traffic control included in the Transportation Management Plan.				
10/12 - 02/16	US 90Z NEW ORLEANS HOSPITALITY ZONE LADOTD New Orleans, LA Safety Analyst. Stephen performed safety analysis to determine the abnormal crash zones and overrepresented crashes in the crash data for the project scope to improve mobility and safety in downtown NOLA by deploying ITS to manage traffic. Analysis yielded inferences on the causative issues for crashes in the corridor and the countermeasures required to mitigate them. Analysis outcomes informed the TMP required to manage traffic during construction and successfully deploy ITS devices to enhance mobility and safety. An effective TMP is required to ensure road user and construction worker safety and reduce client exposure to litigation from crashes.				
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. Substantive safety analysis was based on methodology prescribed in the HSM and Human Factors Guide. Safety and traffic analysis outcome helped develop conceptual alternatives to increase traffic safety and improve access management on this corridor. Stephen performed a crash analysis of the existing corridor for the Stage 0 study to identify high accident locations.				



16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Joseph Barker, PE, PTOE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	5	
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 #40664 LA 09/30/2024 PTOE #4364 LA 11/20/2023		
YEAR REGISTERED	2016	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Joseph will serve as Transportation Engineer for TEPR ANALYSIS & DOCUMENTATION for this contract. He has over 11 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.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 Kenner, LA 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.			


16. Staff Experience:

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	<p>Joe will serve as ROADWAY ENGINEER for this contract. He has 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 meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 11.</p> 			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
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. Joe's duties involve design and oversight of the various roadway elements of the project, including development of new interstate alternatives and intersections, unique design solutions, multi-disciplinary coordination, utility coordination, and public and stakeholder coordination.			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Kenner, LA Lead Roadway Engineer. This multimillion-dollar design-build project 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. Joe served as EOR for the plan development of the project, designed the horizontal and vertical geometry for the project, coordinated with the various disciplines (structural, traffic, electrical) on the project, provided construction support, developed unique solutions to resolve field issues, answered RFIs, and attended progress and partnering meetings. He was also involved in the IMR documentation and the primary developer of the Level 4 TMP document for the project.			
11/10 - Ongoing	NELSON ROAD EXTENSION AND BRIDGE LADOTD Lake Charles, LA Project Manager. Responsible for the Environmental Assessment as well as the Preliminary and Final Design Phases of this project to construct a high-level bridge over Contraband Bayou. Joe coordinated all environmental tasks, developed the line and grade study, performed 3 vessel surveys to better understand navigational requirements for the proposed bridge, assisted with development of the Section 404 and Section 10 permits (USACE and USCG), coordinated the compilation of the entire EA document, which included 3 subconsultants, and secured a FONSI decision. He 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. Joe is also providing construction support services.			
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.			
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.			

16. Staff Experience:


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 3/31/2025		
YEAR REGISTERED	2011	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Nick will serve as HYDROLOGY/HYDRAULICS ENGINEER for this contract. He has 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 meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 11.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 Kenner, LA 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.			
02/18 - Ongoing	I-49 INNER CITY CONNECTOR, ENVIRONMENTAL IMPACT STUDY LADOTD Shreveport, LA Roadway Lead. The Northwest Louisiana Council of Governments (NLCOG) and LADOTD requested that a potential alternative (Alternative 3A) be studied as part of the overall concept to extend I-49 from the existing terminus at the I-20 interchange north approx. 4.5 miles to I-220. The initial work includes horizontal and vertical geometrics, structural, and traffic investigations. As a part of the effort, Stantec is developing concepts for the I-49/I-20 fully directional interchange, an elevated interstate viaduct segment to minimize local conflicts, two other 2-level interchanges, a constraints map, conceptual cost estimate, and also coordinating closely with environmental firms on the team as well as local municipal leaders. Nick is involved in the development of horizontal and vertical concepts for the mainline interstate and interchange structures.			
11/12 - 03/23	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.			
01/14 - 03/18	LA 86 AT LA 320 ROUNDABOUT LADOTD New Iberia, LA Roadway Lead. Project 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.			

16. Staff Experience:


FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Mary Frances (Bratton) 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	<p>Mary will serve as ROADWAY ENGINEER for this contract. Her 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 meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 11.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - Ongoing	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD CONTRACT NO. H.011670 New Orleans, LA Design-Build ROW/Utilities Manager. This project 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, flyover ramps leading to/from the Airport on the east side of the interchange. Mary's responsibilities also 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.			
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 assisted with the NEPA Environmental Assessment process and coordination between all of the stakeholders. 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 St.			
06/14 - 03/15	I-210 COVE LANE INTERCHANGE LADOTD H.010151 Lake Charles, LA Engineer Intern. Assisted with the signing and striping layouts, assisting with plan development, and quantity calculations.			
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. Mary assisted DOTD at Public Meetings.			
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 - 03/23	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.			
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Roadway Engineer. Responsible for developing permanent overhead guide sign concepts and assisting with roadway designs, quantity and cost estimating, drainage designs and MOT concepts.			



16. Staff Experience:


FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	John Krebs, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	13	
TITLE	Senior Structural Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2008 Civil Engineering // BS 2007 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 37259 LA 9/30/2024		
YEAR REGISTERED	2012	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	John will serve as STRUCTURAL ENGINEER for this contract. He has 13 years of experience providing engineering design and load ratings for bridges and interchanges for LADOTD, MDOT, and KYTC. His primary expertise lies in the engineering analysis and design of a variety of structure types such as prestressed concrete girders, reinforced concrete substructure elements, and retaining walls. He has been heavily involved in the load rating of existing bridges in both Louisiana and Mississippi. John's current duties include the analysis and design of various bridge elements as well as construction administration.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/17 - 09/18	LOAD RATING AND POSTING OF 110 ON-SYSTEM BRIDGES LADOTD Statewide, LA QC/QA Load Rating Engineer. John was responsible for performing quality control and quality assurance on bridge load rating models and summary reports. This project involved the load rating and posting of 110 on-system highway bridges for LADOTD. Bridges are located throughout the state and were load rated in accordance with current LADOTD and AASHTO LRFR specifications. Structure types included concrete slab spans, prestressed concrete girders, steel plate girders, and reinforced concrete tee beams.			
02/09 - 03/13	STATEWIDE BRIDGE PRESERVATION RETAINER LADOTD Statewide, LA Project Engineer. Responsible for load rating various bridges across state and preparing load rating reports for each bridge. One task order consisted of 4 ramps (J,K,L, and M) for I-10/North Claiborne Ave in New Orleans, LA. John was required to conduct a site visit and generate observation reports for each of these ramps to verify the condition reported in their most recent LADOTD inspection reports. These ramps consisted of mainly prestressed girder spans and were predominately supported by single-column, reinforced concrete bents; both the bent cap and the column had to be rated for these bents. The most complicated element of these ramps was the 3-span continuous, two-steel plate girder system on Ramp M. The load rating of this superstructure required a full 3-D finite element model to accurately obtain the member forces for the girders and cross frames. John was responsible for the analysis and load rating of the prestressed spans and the single-column bents. He performed the load rating of the steel unit and generated the load rating report. John also load rated and generated the report for the LA 97 Bridge over I-10 in Jennings, LA, which is a 338', 4-span bridge consisting of composited, welded steel plate girders of 60', 100', and 115' in length.			
05/17 - Ongoing	STATEWIDE TIMBER BRIDGE INSPECTIONS & LOAD RATINGS MISSISSIPPI-DOT Statewide, MS Team Leader, Load Rating Engineer. John is responsible for performing field inspections, checking load ratings, and developing inspection reports. Structure types include concrete channel beams, timber stringers, and steel girder spans supported by timber pile bents as well as a few timber box culverts. This project consists of inspecting and load rating over 378 timber bridges in 20 different Mississippi Counties. Inspections and load ratings are performed in accordance with current NBIS and AASHTO MBE procedures.			
01/13 - 02/14	OHIO RIVER BRIDGE DOWNTOWN CROSSING Louisville, KY Project Engineer. John was responsible for the analysis and design of bridge elements for the 211', two-span continuous portion (spans 3 and 4) of Ramp 21-1 of Bridge A012 and also satisfactorily completing the QA/QC process set forth by the prime consultant, Jacobs Engineering. Elements designed for the portion of Bridge A012 were a reinforced concrete deck, KYTC Type 7 prestressed girders, two reinforced concrete multi-column piers, and an integral end bent. Bridge A022 was a 300', 3-span continuous, curved, skewed prestressed girder bridge supported by reinforced concrete multi-column bents. John was responsible for directing and checking the analysis, design, and detailing of the reinforced concrete deck, prestressed beams, two reinforced concrete multi-column bents, and the integral end bent as well as ensuring the required QA/QC process was executed properly.			

16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Amy Sackaroff, AICP	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	21	
TITLE	Senior Transportation Planner/NEPA Specialist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	2	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2002 Environmental Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Certified Planner No. 169653 LA N/A		
YEAR REGISTERED	2007	DISCIPLINE	Planning	
Contract role(s) / brief description of responsibilities	<p>Amy will provide COMMUNITY IMPACTS & ENVIRONMENTAL JUSTICE and PLAIN LANGUAGE/SECTION 508 ACCESSIBILITY SERVICES for this contract. She has 23 years of experience in developing sustainable solutions for complex infrastructure projects. She has managed the development of Environmental Impact Statements (EIS), Environmental Assessments (EA), Categorical Exclusions (CE), and associated technical studies pursuant to the National Environmental Policy Act, including Community Impact Assessments (CIA) and Indirect and Cumulative Effects (ICE) Assessments. Her work also encompasses preparing Environmental Justice (EJ) Analyses, CIAs, ICE Assessments, Section 4(f) Evaluations, Section 6(f) Evaluations, and coordinating Plain Language/Section 508 services. In addition to project management, environmental investigations, and document preparation, Amy's responsibilities frequently include interagency coordination and public engagement. Amy also leads the development of EJ engagement and impact analyses pursuant to Executive Order (EO) 12898 (Federal Actions to Address Environmental Justice to Minority and Low-Income Populations) and Federal Highway Administration (FHWA) Order 6640.23A (FHWA Actions to Address Environmental Justice in Minority Populations and Low-Income Populations). She has conducted EJ analyses and other community studies in both urban and rural settings and understands how approach and potential impacts vary depending on a project's setting and context. Her attention to detail, ability to distill and integrate information from disparate fields including natural systems, engineering design, and the social environment allow her to identify downstream concerns early in the project development stage, ensuring the accurate assessment of a project's design constraints and potential impacts on the natural and social environment.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/15 - Ongoing	<p>I-526 LOWCOUNTRY CORRIDOR WEST Charleston, SC Community Studies Task Lead and Senior Transportation Planner. Responsible for guiding the development of an Environmental Justice (EJ) Analysis, EJ outreach plan, EJ mitigation plan, transportation equity evaluation, Community Impact Assessment (CIA), Indirect & Cumulative Effects (ICE) Assessment, Section 4(f) Evaluation, Visual Impact Assessment (VIA), Section 6(f) Environmental Assessment (EA) and conversion application. Amy was also responsible for related portions of the Draft Environmental Impact Statement (Draft EIS), combined Final EIS/Record of Decision, including document accessibility compliance (i.e., Section 508 accessibility), and was the lead technical writer for I-526 LCC WEST RAISE Grant Application, supporting development of the benefit-cost analysis for grant. Amy is currently part of the Stantec team leading the implementation of a \$146M EJ Community Mitigation Plan.</p>			
02/09 - 12/17	<p>I-40 / NC 42 INTERCHANGE IMPROVEMENTS AND INTERCHANGE MODIFICATION REPORT Johnston County, SC Senior Transportation Planner responsible for technical studies, public involvement, and environmental documentation for system-level interchange improvements in a rapidly developing area along I-40 outside Raleigh, NC. Developed community impact assessment, indirect and cumulative effects assessment, Environmental Justice analysis, socio-economic impact assessment, public outreach materials and presentations, NEPA Environmental Assessment, and coordinated with state and federal agencies.</p>			
01/19 - 06/20	<p>I-26 / US 21 INTERCHANGE IMPROVEMENTS (EXIT 119) Columbia, SC Senior Transportation Planner responsible for the preparation of a CE for an interchange improvement project. Provided technical direction on development of the CE and worked closely with the engineering design team to investigate potential alternatives, develop screening criteria, and evaluate measures to avoid and minimize impacts.</p>			

12/11 - 08/17	<p>US 70 HAVELOCK BYPASS Craven County, NC</p> <p>Project Manager and Senior Transportation Planner responsible for the development of a Reevaluation of the Draft Environmental Impact Statement, update of technical studies including Environmental Justice analysis, Indirect and Cumulative Effects Assessment, and preparation of a Final Environmental Impact Statement (FEIS) and Record of Decision (ROD) for a ten-mile bypass on new location freeway through portions of the Croatan National Forest in Craven County. Studies were highly complex due to potential impacts to the Croatan National Forest and specifically the federally protected red-cockaded woodpecker. Provided technical direction on development of the FEIS and worked with design team to investigate potential alternatives, develop screening criteria, and evaluate measures to avoid, minimize, and mitigate impacts. Responsible for federal consistency determinations under the Coastal Area Management Act (CAMA) and US Forest Service special use permit conditions.</p>
06/11 - 11/16	<p>NC 150 AND I-77 INTERCHANGE IMPROVEMENTS Lincoln, Iredell and Catawba Counties, NC</p> <p>Amy served as Community Impact Analysis Specialist/Senior Transportation Planner from March 2013 to December 2016. Responsible for community studies and preparation of an Environmental Assessment for a 15-mile corridor study along NC 150 north of Charlotte. Work includes alternatives analysis field work, environmental documentation, regulatory agency coordination, and public involvement.</p>
07/07 - 10/10	<p>I-95 / US 301 INTERCHANGE IMPROVEMENTS ENVIRONMENTAL ASSESSMENT Robeson County, NC</p> <p>Senior Transportation Planner responsible for the technical studies, public involvement, and environmental documentation for an innovative interchange design within the densely developed area surrounding US 301 at I-95. Developed community impact assessment, indirect and cumulative effects assessment, natural resources field work and technical report, NEPA Environmental Assessment, public outreach materials and presentations, and coordinated with state and federal agencies.</p>
03/19 - Ongoing	<p>I-20 BRIDGE REPLACEMENTS South Carolina</p> <p>Senior Transportation Planner responsible for NEPA oversight and review of categorical exclusions and Section 4(f) documentation for five bridge replacements along I-20: I-20 eastbound over S-980; I-20 westbound over S-980; I-20 westbound over the South Edisto River; I-20 westbound over SC 19; and I-20 westbound over an abandoned railroad (North Augusta Greenway).</p>
08/05 - 09/17	<p>NC 87 IMPROVEMENTS STATE ENVIRONMENTAL IMPACT STATEMENT</p> <p>Senior Transportation Planner responsible for socioeconomic technical studies, including community studies and Environmental Justice analysis, public involvement, and agency coordination for 30 miles of road improvements. Stantec evaluated options to improve traveler mobility and shorten drive time in a 30-mile corridor of NC 87 between US 74/76 to the Elizabethtown Bypass.</p>


16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Beth Beam, AICP	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	3	
TITLE	Senior Transportation Planner	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	34	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1993 Environmental Science // BA 1984 Urban and Regional Planning NEPA & Transportation Decision Making Certification and Training 2009		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Certified Planner #013384 N/A		
YEAR REGISTERED	1997	DISCIPLINE	Planning TRAINING: National Environmental Policy Act (NEPA) and Transportation Decision Making Certification and Training, December 2009	
Contract role(s) / brief description of responsibilities	<p>Beth will provide COMMUNITY IMPACTS & ENVIRONMENTAL JUSTICE SERVICES for this contract. She has 37 years' experience in transportation infrastructure development and multimodal planning. Beth is responsible for transportation planning and environmental projects including National Environmental Policy Act (NEPA) activities and the documentation for the FDOT Project Development & Environment (PD&E) process for Districts 2, 3, 4, 5, and 7. She has prepared and completed Environmental Impact Statements (EIS)/Environmental Assessments (EA) for projects located in LA, TX, TN, PA, and NJ. Her efforts include regulatory agency coordination at the federal, state, and local level. Beth has been involved in completing compliance audits and Phase I/Phase II Environmental Site Assessments. Her public outreach/engagement efforts include public meeting preparation and coordination, presentation development, flyer/newsletter design and production. Beth meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 3.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/16 - 03/18	FLORIDA AVENUE EXPRESSWAY Orleans & St. Bernard Parishes, LA Senior Planner. Responsible for preparation of land use analyses, demographic analysis, physical resource analysis, and contamination analysis for assessment of new Florida Avenue Bridge concepts developed to upgrade and extend Florida Avenue from Orleans Parish into St. Bernard Parish.			
9/15 - 03/17	DIJON DRIVE EXTENSION EA AND REEVALUATION CAPITAL REGION PLANNING COMMISSION East Baton Rouge Parish, LA Associate Project Manager/Task Leader, Project Planner/Scientist. Responsible for public/stakeholder outreach, agency coordination, technical workshop preparation, land use analyses, demographic analysis, natural resource analysis EA document preparation, Phase I Environmental Site Assessment (ESA) field work, document/records research and technical report preparation.			
01/14 - 05/17	PETE'S HIGHWAY ENVIRONMENTAL ASSESSMENT Livingston Parish, LA Project Planner/NEPA Lead. Responsible for public/stakeholder outreach, agency coordination, technical document preparation, EA document preparation, land use analysis, demographic analysis, natural resource analysis, Phase I ESA field work, document/records research and technical report preparation.			
09/12 - 12/14	LA 143 - US 165 CONNECTOR AND OUACHITA RIVER BRIDGE, ENVIRONMENTAL IMPACT STATEMENT (EIS) LADOTD Ouachita Parish, LA Project planner/Scientist. Responsible for evaluation of multiple corridors and crossings, alternative alignments and designs, detailed analysis of environmental impacts. Responsible for evaluating the composition of the affected project area, sociocultural data collection and evaluation to identify any sensitive populations (minority, low-income, linguistic proficiencies). Alternatives evaluated resulted in impacts to historic and minority neighborhoods. The number of residences potentially impacted were considered significant and alignment shifts were developed. Additional impacts to business were considered. Efforts included evaluation of alternatives to minimize impacts, shift alignments, and reduce the amount of right-of-way required. Public involvement activities included public outreach materials, stakeholder invitations, handouts, exhibits, presentation materials preparation, and meeting facilitation.			
08/12 - 03/13	I-210 COVE LANE/NELSON ROAD INTERCHANGE IMPROVEMENTS PROJECT EA LADOTD Calcasieu Parish, LA Senior Planner/Scientist. Responsible for EA with FONSI for new interchange at I-210 and Cove Lane and adjacent off-system roadway improvements. The FONSI was issued in 5 months from NTP to meet legislative deadlines. Responsible for technical document preparation including contamination, wetlands, species and habitat, Conceptual Stage Relocation Plan. Public involvement materials preparation including stakeholder invitations, handout, exhibits, and presentation with voiceover.			




04/13 - 09/16	<p>US-11 NORFOLK SOUTHERN RAILROAD EA LADOTD St. Tammany Parish, LA</p> <p>Associate Project Manager. Responsible for evaluating the composition of the affected project area, sociocultural data collection and evaluation to identify any sensitive populations (minority, low-income, linguistic proficiencies). The project area included multiple businesses, low-income, and minority neighborhoods. Proposed improvements initially resulted in eliminating access to a low-income neighborhood. In addition, business impacts were significant along with potential impacts to historic properties. Alternatives were revised to minimize impacts, modify alignments to accommodate access, and reduce the amount of additional right-of-way required. Extensive coordination with Norfolk Southern Railroad was required. Public involvement activities included public outreach materials, stakeholder invitations, handouts, exhibits, presentation materials preparation, and meeting facilitation. Responsible for sociocultural impacts evaluation, conceptual stage relocation plan, Section 106, contamination, wetlands, species and habitat, and EA with FONSI.</p>
02/19 - 9/19	<p>I-95 AT GATEWAY AND BOYNTON BEACH BOULEVARDS PD&E STUDY FDOT DISTRICT 4 Palm Beach County, FL</p> <p>Associate PM/Task Leader. Responsible for evaluation of alternatives to improve traffic operations at the study interchanges. The location of these interchanges is in urban Palm Beach County. Responsible for evaluating the composition of the affected project area, sociocultural data collection and evaluation to identify any sensitive populations (minority, low-income, linguistic proficiencies) and determine impacts. Impact to minority residences was anticipated. In addition, several business impacts resulted including elimination of driveway access and parking. Efforts included evaluation of alternatives to minimize impacts and reduce the amount of additional right-of-way required. Through this evaluation it was determined that impacts were not disproportionate, and the project moved forward. A Conceptual Stage relocation plan was prepared. Public involvement materials preparation including stakeholder invitations, handout, exhibits, and presentation materials preparation. Public involvement activities included public outreach materials, stakeholder Responsible for environmental document preparation including CE, PER, Traffic Noise Study, Sociocultural Effects Evaluation, Section 4(f) DOA, Pond Siting Report, Floodplains, Air Quality Screening Memo, utilities, and QC manager for IMR, traffic analysis, contamination, natural resources, and cultural resources. Public involvement materials preparation including stakeholder invitations, handout, exhibits, and presentation materials preparation. Multi agency coordination including SFRTA, MPO, City of Boynton Beach and Palm Beach County. Coordinated team members for the development of interchange improvements with successfully obtaining LDCA in March 2018. FDOT NEPA Assignment was completed during this PD&E and therefore, project documentation migrated from traditional NEPA documentation to SWEPT. Schedule management in PSEE and document review in ERC.</p>
03/19 - 12/19	<p>SOUTH SUMTER CONNECTOR TRAIL PD&E STUDY FDOT DISTRICT 5 Sumter and Hernando Counties, FL</p> <p>Project Manager. Beth served as Project Manager for the South Sumter Connector Trail PD&E Study for 20-mile gap in the C2C Trail crossing through the Withlacoochee State Forest and over the Withlacoochee River. Responsible for environmental document preparation including CE, PER, and QC manager for contamination, natural resources, and cultural resources, geotechnical, and drainage. Responsible for evaluating the composition of the affected project area, sociocultural data collection and evaluation to identify any sensitive populations (minority, low-income, linguistic proficiencies) and determine impacts. Public involvement activities included public outreach materials, stakeholder invitations, handouts, exhibits, presentation materials preparation, and meeting facilitation. Multi agency coordination including the Florida Forest Service, Hernando/ Citrus and Lake-Sumter MPOs, Sumter County, and the City of WebsterProject Manager for the South Sumter Connector Trail PD&E Study for 20-mile gap in the C2C Trail crossing through the Withlacoochee State Forest and over the Withlacoochee River Responsible for environmental document preparation including CE, PER, and QC manager for contamination, natural resources, and cultural resources, geotechnical, and drainage. Responsible for sociocultural data collection and evaluation. Public involvement materials preparation including stakeholder invitations, handout, exhibits, and presentation materials preparation. Multi agency coordination including the Florida Forest Service, Hernando/Citrus and Lake-Sumter MPOs, Sumter County, and the City of Webster.</p>

16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Emily Reed	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	8	
TITLE	US Technical Area Leader, Architectural History	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	8	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2010 Historic Preservation // BA 2006 History and Art History		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	<p>Emily will provide CULTURAL RESOURCE SERVICES for this contract. She is an Architectural Historian with 16 years of experience in property assessments, historic preservation, and related work, including research, documentation, and regulatory compliance. She manages a team of 10 historians in four states. Her expertise includes surveying, assessing, and documenting historic properties and determining eligibility for the National Register of Historic Places in compliance with Section 106 and NEPA; Section 4(f) determinations; archival research; and historic context development. She meets the Secretary of the Interior's professional qualifications for Architectural Historian. Emily meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 9.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/20 - 04/21	<p>NRHP NOMINATION FOR TEDDY AVENUE RESIDENTIAL HISTORIC DISTRICT Slidell, St. Tammany Parish, LA Principal Investigator. Prepared National Register District nomination for an intact portion of the Brugier Addition, which was platted in 1909 as a railroad-oriented neighborhood. The district encompasses 32 residential properties and 1 site, a public park. The district is characterized by one-story, detached, single-family residences constructed in the early twentieth century and the architecture of the district represents popular trends of the era as well as housing forms that reflect local vernacular influences. Ms. Reed presented in the nomination to the Louisiana State Board of Review, where it was unanimously approved; the district was officially listed in July 2021.</p>			
10/17 - 08/18	<p>HISTORIC RESOURCES SURVEY FOR CITY OF COVINGTON St. Tammany Parish, LA Principal Investigator. The City of Covington retained CMEC/Stantec to develop a comprehensive and up-to-date inventory of properties within the Division of St. John NRHP District, the historical governmental and commercial center of the parish seat. Stantec was tasked with re-surveying resources documented in the NRHP nomination and surveying resources that had reached historic-age (built in 1970 or earlier) since the 1982 listing. The study involved a windshield survey of surrounding neighborhoods to identify potential district expansion areas and identify and document select properties with potential historical significance. In total, 300 resources were documented on our tablet-based data collection system that incorporated information from the NRHP nomination and a previous survey. Deliverables included the historic context, recommendations for an NRHP boundary change, identification of contributing and noncontributing resources within the existing NRHP district, results of the windshield survey, and eligibility recommendations for the surround area. Following the survey, the City retained Stantec to prepare an update to the NRHP nomination. It was listed in the NRHP in 2023.</p>			
12/16 - 08/17	<p>HISTORIC RESOURCES SURVEY FOR CITY OF SLIDELL St. Tammany Parish, LA Principal Investigator. Responsible for a locally-sponsored historic resources survey of 230 resources in Slidell. Used custom-designed form for data collection in the field with a tablet. Incorporated the results of two prior surveys. Deliverables included survey methodology and context report, individual resource documentation using Louisiana Historic Resource Inventory Form, and recommendations regarding properties and districts that are potentially eligible for the NRHP. Accepted by LA SHPO.</p>			
06/18 - 12/18	<p>HISTORIC RESOURCES SURVEY OF US HIGHWAY 60 FROM EAST OF PROGRESSIVE ROAD TO TIERRA BLANCA CREEK TXDOT Hereford, Deaf Smith County, TX Project Manager. Provided reconnaissance survey and Section 106 evaluation of 112 resources. Developed historic context, prepared research design, conducted field survey, prepared historic documentation, and evaluated adverse effects. As a result of the survey, a train depot, a discontinuous grain elevator district, and a downtown commercial district were recommended eligible for the NRHP. Evaluated potential adverse effects to the NRHP-eligible properties.</p>			
12/19 - 12/20	<p>TXDOT RECONNAISSANCE HISTORIC RESOURCES SURVEY OF S. PRESA STREET FROM WEST BOYER AVENUE TO SOUTHEAST MILITARY DRIVE TXDOT San Antonio, Bexar County, TX Principal Investigator. Responsible for reconnaissance survey of 127 resources and Section 106 evaluation for project proposing improvement to S. Presa Street in downtown San Antonio. Investigations resulted in recommendation of six properties as eligible for the NRHP, including the San Antonio State Hospital, a school, a fire station, a telephone exchange, and two tourist courts. Project also included documentation of a sanctuary by O'Neil Ford. Evaluated potential adverse effects to the properties recommended eligible. Assessed use under Section 4(f) and developed documentation in support of de minimis Section 4(f) finding.</p>			




16. **Staff Experience:**

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Scotty Moore, RPA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	Senior Archaeologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	20	
DEGREE(S) / YEARS / SPECIALIZATION		MA 2001 Anthropology // BS 1999 Anthropology/Geology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		RPA #13500 N/A		
YEAR REGISTERED	2005	DISCIPLINE	Archaeology <i>TRAINING: Section 106 of National Historic Preservation Act, 2008</i>	
Contract role(s) / brief description of responsibilities	<p>Scotty will provide CULTURAL RESOURCE SERVICES for this contract. He provides archeological and geoarchaeological expertise gained from completing over 200 cultural resource management projects in 21 states and conducting archaeological research in 22 countries. He has extensive experience developing and supervising all phases of cultural resources work and has substantial experience working with tribal authorities and federal/state agencies, including multiple US Army Corps of Engineers districts, Bureau of Indian Affairs, Bureau of Land Management, US Department of Defense, Gila River Indian Community, and the Tohono O'odham Indian Community. In addition to authoring and co-authoring several lithic and geoarchaeological publications, he has contributed to numerous environmental documents such as Categorical Exclusions (CEs), Environmental Assessments (EAs), and Environmental Impact Studies (EISs) for municipal, state, and federal projects and has extensive experience with federal and state regulations concerning cultural resources preservation and Native American concerns. Scotty meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 8.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/22 - Ongoing	LA 604 EXPANSION PROJECT LADOTD Tensas Parish, LA Archaeology Task Lead. Developed research design for Phase I archeological survey of approximately 6 miles of combined facility widening and new location construction for proposed highway improvement project sponsored by LADOTD. Supervised archeological and built environment field studies. No cultural resources identified.			
07/21 - 04/22	PINE GROVE SOLAR FARM St. Helena Parish, LA Cultural Resources Task Lead. Developed scope and budget to conduct a background study and Phase I archaeological survey of approximately 1,600-acres of rural land in southeastern Louisiana. Developed archaeological potential model to limit fieldwork locations. Coordinated with Louisiana Division of Archaeology. Work conducted for Jacobs Engineering Group.			
04/21-05/22	FORMER CAMP CLAIBORNE MUNITIONS RESPONSE LA Cultural Resources Lead. Served as liaison for cultural resources with USACE. Developed Integrated Cultural Resource Management Plan (ICRMP) that included the historical background of the camp and proposed methodologies for Phase I survey, workforce training, and monitoring. Originated survey of over 1,200 acres of land to identify cultural resources in heavily impacted UXO areas. Project continued with different cultural resources leadership following transition to Stantec. Project conducted for Jacobs Engineering Group.			
01/18-10/18	PHASE II ARCHAEOLOGICAL TESTING OF SITES 16SJ28 AND 16SJ109 AT THE PROPOSED FG LA LLC PROJECT SITE St. James Parish, LA Co-Project Archaeologist/Consulting Geoarchaeologist. Supervised mechanical excavations at loci within two 19th century sites located adjacent to the Mississippi River. Assessed geomorphology for loci. Co-authored report.			
05/22 - Ongoing	LINE S2 PHASE 3 PIPELINE PROJECT Henderson and Smith Counties, TX Cultural Resources Task Lead. Developed research design for pedestrian survey and geoarchaeological trenching for 40+ mile long pipeline project located north and south of Tyler, Texas. Served as principal investigator over all field activities. Edited technical report and coordinated with THC and USACE. Two sites identified during survey: a prehistoric habitation site (recommended eligible for inclusion on NRHP) and a historic trash scatter (recommended ineligible.)			





01/21-04/22	MILWAUKEE RIVER ESTUARY AREA OF CONCERN PREDESIGN STUDIES Milwaukee, WI Cultural Resources Task Lead. Developed scope and budget to conduct a background study, historic built-environment surveys, and Phase I archaeological survey of approximately 47 acres of public land adjacent to the Milwaukee River in Milwaukee, Wisconsin. Developed predictive model for high-probability locations based upon fluvial morphology, post-glacial geomorphology, and modern damming activities. Coordinated delineation and recordation of 11 new and previously identified archeological sites. Applied for burial investigation permit. Supervised artifact analysis and reporting. Work conducted for Jacobs Engineering Group.
07/21 - 08/22	UPRR BRIDGE REPLACEMENTS Smith, Upshur, and Johnson Counties, TX Principal Investigator and Field Lead. Responsible for archaeological survey of three bridge replacement locations and associated access roads. Identified and recorded new Toyah Phase site (41RT623) that was determined to be eligible for the NRHP. Developed plan to avoid resources and allow construction to proceed with construction-phase monitoring.
02/20 - 04/21	LCRA MOUNTAIN HOME TRANSMISSION LINE , Gillespie and Kerr Counties, TX Principal Investigator/Project Manager. Developed and implemented survey research design for project in Gillespie and Kerr Counties, TX. Supervised intensive archeological fieldwork of 22 miles of new location transmission line. Coordinated with over 100 landowners. Identified four previously undocumented prehistoric sites, none of which were recommended eligible for inclusion in NRHP. Successfully determined most effective alignment to avoid cultural resources. For Cox McLain Environmental Consulting, Inc.
07/19 - 11/20	LINE S2 REPLACEMENT PROJECT Rusk and Smith Counties, TX Principal Investigator. Responsible for developing and implementing survey research design for 22-mile-long gas pipeline corridor and 60-acre staging area. Conducted the intensive archaeological survey and identified two new historic sites: 41SM496 and 41SM497. With Cox McLain Environmental Consulting, Inc. for a project with Stantec.
08/18 - 12/19	SURVEY AND TESTING OF ~2 ACRES WITHIN SITE 41HR982 AS PART OF THE NORTH HOUSTON HIGHWAY IMPROVEMENT PROJECT TXDOT HOUSTON DISTRICT Harris County, TX Co-Principal Investigator/Project Archaeologist. Supervised the excavation of mechanical trenches within portions of historic Frost Town neighborhood north of downtown Houston. Identified 28 subsurface features related to early-mid 20th century occupation of the sites. With Cox McLain Environmental Consulting Inc., for TxDOT Houston District project.
01/18 - 02/19	PROPOSED EXPANSION OF GRAND PARKWAY/SH 99 TXDOT HOUSTON DISTRICT Montgomery, Harris, Liberty, and Chambers Counties, TX Project Archaeologist. Supervised extensive pedestrian survey of TxDOT right-of-way and numerous ancillary project-specific locations for new roadway. Coordinated Texas Historical Commission permits. Authored relevant reports for regulatory compliance. With Cox McLain Environmental Consulting, Inc.
10/18	PROPOSED EXPANSION TO SH 249 BETWEEN PINEHURST AND TODD MISSION TXDOT HOUSTON DISTRICT Grimes and Montgomery Counties, TX Project Archaeologist. Supervised fieldwork for expansion of state highway and ancillary project specific locations, including mechanical excavations in multiple locations. Authored relevant reports for regulatory compliance. With Cox McLain Environmental Consulting, Inc.
03/17	TESTING AND MONITORING OF BANK STABILIZATION ON THE BRAZOS RIVER MP 125.6-127.9 Falls County, TX Project Archaeologist. Supervised test excavations and subsequent monitoring on eastern cut bank of the Brazos River where erosion was threatening Union Pacific rail line. Worked with Union Pacific management and US Army Corps of Engineers, Fort Worth District to develop and implement mitigation plan for high-likelihood locations. Authored and edited relevant reports for regulatory compliance.

16. Staff Experience:


FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Hannah Clements	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
TITLE	Environmental Planner	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	1	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2017 Environmental Science		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Hannah will provide INDIRECT & CUMULATIVE EFFECTS SERVICES for this contract. She has 5 years of experience preparing technical environmental documents relating to the implementation of the National Environmental Policy Act (NEPA). Her work focuses on community studies and the human environment on a local and regional scale. She has worked on various projects throughout the Southeast including South Carolina, North Carolina, and Georgia, to provide technical support for the project team including Environmental Justice outreach, public involvement, noise and wetland field studies, community impact analysis, and relocation impact analysis. In addition, Hannah is proficient in Geographic Information Systems (GIS) analysis which allows her to create mapping to better understand demographic data for Environmental Justice/Title VI populations and Limited English Proficiency/Language Assistance communities. Hannah's GIS analysis experience also facilitates the assessment of environmental data such as land uses, rights-of-way, community features, floodplains, wetlands, and farmland. Hannah has prepared federal and state environmental documents ranging from Environmental Impact Statements (EIS), Environmental Assessments (EA) /Finding of No Significant Impacts (FONSI), Categorical Exclusions (CE), Minimum Criteria Determination Checklists (MCDL), Feasibility Studies, Community Impact Assessments (CIA), an Environmental Justice Analysis, Section 4(f) Evaluations, a Relocation Impact Study, and an Environmental Outreach Strategy.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/19 - Ongoing	I-526 LOWCOUNTRY CORRIDOR WEST SCDOT Charleston, SC Environmental Planner. Planning and design studies for the 9.7-mile segment of I-526 between West Ashley and North Charleston to increase capacity, relieve traffic congestion, and improve operations. Hannah provides technical support for the project team including Environmental Justice public involvement, relocation impact analysis, ADA compliance, DEIS and FEIS technical writing, and Geographic Information Systems (GIS) analysis. She also provides data analysis and creates mapping to better understand demographic information for Environmental Justice impacts and the assessment of environmental data such as land uses, rights-of-way, community features, floodplains, wetlands, and farmland. Hannah is the lead technical writer for the Community Impact Assessment (CIA), Environmental Justice Analysis, Relocation Impact Study, Pop-Up Meeting Summary, and Environmental Outreach Strategy. She is also helping to develop the Section 4(f) Evaluation, Section 6(f) Evaluation, and Environmental Justice Community Mitigation Plan.			
01/19 - 06/19	SC 9 FEASIBILITY STUDY (FROM SC 151 TO SC 265) SCDOT Chesterfield County, SC Environmental Planner. Stantec provided traffic studies, environmental impacts, conceptual designs and a feasibility study report of SC 9 from SC 151 to SC 265 in Chesterfield County that is an approximately 15 mile stretch of mostly rural two-lane road. Hannah was responsible for assisting with the preparation of the feasibility study including data gathering, GIS mapping, community impact analysis, and documentation.			
11/19 - 07/21	FIVE BRIDGE REPLACEMENTS ON I-20 SCDOT Aiken County, SC Environmental Planner. Hannah wrote the Programmatic Categorical Exclusions (PCE) for three (3) of the replacement bridges. She coordinated with SCDOT NEPA Coordinator/ Archaeologist to make a "de minimus" determination to address temporary construction impacts to the North Augusta Greenway, in order to meet requirements under Section 4(f) of the U.S. Department of Transportation (USDOT) Act of 1966. Hannah also helped prepare the Public Involvement materials for the public information meeting held to discuss potential impacts to the North Augusta Greenway.			
08/19 - 08/20	PALMETTO COMMERCE PARKWAY PHASE 3 (PCP3) CHARLESTON COUNTY'S TRANSPORTATION DEPARTMENT North Charleston, SC Environmental Planner. Stantec teamed with Charleston County's Transportation Department to design an extension of Palmetto Commerce Parkway Phase 3 (PCP3) that will provide an improved quality of life for the citizens through better traffic operations and to enhance economic development for the Charleston region. Hannah assisted with preparation of the environmental document which included identifying existing demographic, social, and land use conditions to ensure environmental justice, GIS impact analysis, and environmental documentation.			

16. Staff Experience:


FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Mary Martin	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	34	
TITLE	Lead Noise Analyst	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	8	
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	Mary will provide AIR QUALITY/NOISE SERVICES for this contract. She has 42 years of transportation planning experience including 12 years as the primary technical analyst for Stantec for air quality and traffic noise studies. She is currently embedded on an as-needed basis with NCDOT's Traffic Noise & Air Quality Group. Mary has attended a range of air quality and noise analysis training, and has also used PAL 2.0. Mary has also assisted in the preparation of NEPA environmental documents including Environmental Impact Statements (EIS), Environmental Assessments (EA), and Categorical Exclusions (CE). Mary 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. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 - Ongoing	I-40/SR 2500 (BLUE RIDGE ROAD) IMPROVEMENTS NCDOT Black Mountain, NC Project Lead. Responsible for a Traffic Noise Report for the proposed improvements at I-40 and SR 2500 (Blue Ridge Road). NCDOT proposes converting the existing I-40 and Blue Ridge Road (SR 2500) grade separation to an interchange, replacing the Blue Ridge Road bridge over the Swannanoa River, and widening Blue Ridge Road to three lanes in the vicinity of the interchange. The proposed project would also construct a roundabout at the intersection of Blue Ridge Road and NC 9. The project is in Black Mountain, in Buncombe County, NC. Design Year 2040 Build condition traffic noise is predicted to impact 38 noise-sensitive receptors near the project for the Build Alternative. Consideration for noise abatement measures was given to all impacted receptors. No traffic noise abatement measures met NCDOT Policy feasibility and reasonableness criteria. The Traffic Noise Report is currently under review.			
04/19 - Ongoing	I-526 LOWCOUNTRY CORRIDOR WEST SCDOT Charleston, SC Lead Noise Analyst. Mary was the project lead for a Traffic Noise Analysis for the I-526 Lowcountry Corridor WEST (I-526 LCC WEST) project between Paul Cantrell Boulevard in West Ashley and Virginia Avenue in North Charleston. The proposed project includes improvements to 3.5 miles of I-26 and 9.2 miles of I-526, as well as the improvement of five interchanges along I-526 (Paul Cantrell Boulevard, I-26, Rivers Avenue, North Rhett Avenue, and Virginia Avenue). The Traffic Noise Analysis predicted impacts for 720 receptors under project design year build conditions. Noise abatement measures were evaluated for all impacted receptors, and six barrier designs were found to be feasible and reasonable per SCDOT noise policy criteria. These barriers were recommended for further consideration.			
09/22 - Ongoing	IMPROVEMENTS TO THE I-485/I-85 INTERCHANGE IN WEST CHARLOTTE NCDOT Mecklenburg County, NC Project Lead. Responsible for a Traffic Noise Report for the proposed I-485/I-85 interchange improvements in West Charlotte, NC. The interchange currently experiences high levels of congestion and poor operations. Improvements include widening the existing I-485 ramp and bridge over the off-ramp to Sam Wilson Road, construction of a new collector-distributor road parallel to I-85 southbound that passes under Sam Wilson Road via a new grade separation bridge to be constructed between the existing I-85 grade separation bridge and existing interchange ramps, the relocation of Sam Wilson Road to the I-85 southbound on-ramp that will tie into the collector-distributor road and widening along I-85 southbound as necessary for merging/traffic operations. The construction limits will be approximately 1.7 miles. The project work plan and validation memo have been completed and approved by NCDOT. The project is currently ongoing.			
03/20- 10/20	NOISE ANALYSIS TECHNICAL REPORT INDEPENDENT QUALITY CONTROL OF MARK CLARK EXPRESSWAY EXTENSION PROJECT SCDOT Charleston, SC Lead Noise Reviewer (QA/QC). Mary performed an independent review of this project noise analysis. The comprehensive review assessed the technical noise report, appendices, and supporting noise models to ensure compliance with all SCDOT and FHWA practices and reporting procedures. The Mark Clark Extension proposes construction of approximately 7 miles of new roadway from the existing endpoint of I-526 at U.S. 17 (Savannah Highway) to the James Island Connector at Folly Road. Located in Charleston County the project includes areas in West Ashley, Johns Island, and James Island. Alternatives reviewed included the no-build option and three build alternatives.			

07/22 - Ongoing	<p>LONG POINT ROAD INTERCHANGE IMPROVEMENTS SCDOT Mt. Pleasant, SC</p> <p>Project Lead. Responsible for a Detailed Traffic Noise Analysis for the proposed Long Point Road Interchange Improvements in Mt. Pleasant, SC. The I-526 LCC EAST - Long Point Road Interchange project's purpose is to improve the operations of the I-526 mainline and its interchange at Long Point Road as well as reduce operational conflicts between port related and local traffic within the study area. The need for this project is to provide access to homes, businesses, schools, parks, restaurants, commercial and industrial facilities along Long Point Road. The interchange provides access to South Carolina Ports Authority's (SCPA's) Wando Welch Terminal (WWT), which serves as a hub for the distribution of freight from the WWT throughout the southeast United States. The need for the project is demonstrated by the existing interchange deficiencies, growing automobile, and truck traffic on I-526 and Long Point Road, and population and economic growth. Design Year 2050 build condition traffic noise is predicted to impact 456 receptors, including 446 residences (NAC B), four (4) community swimming pools (NAC C), and 21 grid points along the Kearns Park trail that have an equivalent receptor value of six (6) (NAC C). Consideration for noise abatement measures was given to all impacted receptors. Traffic noise impacts are predicted to occur in 11 of the 16 identified Noise Study Areas (NSAs). Four noise walls have been recommended for construction. Stantec is in the process of preparing balloting packages for more than 750I receptors that would receive a benefit from the proposed walls.</p>
09/20 - Ongoing	<p>PALMETTO COMMERCE PARKWAY PHASE 3 (PCP3) CHARLESTON COUNTY, SC North Charleston, SC</p> <p>Project Lead, Responsible for a Detailed Traffic Noise Analysis for the proposed Palmetto Commerce Parkway Phase III (PCP3). This is the third and final part of a three-phased roadway project initiated by Charleston County. The project is designed to provide improved traffic operations, better opportunities for bicycle and pedestrian use, and enhanced access to commercial and industrial lands in North Charleston. Phase I and II of the Palmetto Commerce Parkway have already been constructed and included a four-lane parkway with landscaped medians, a multiuse (walking and bicycle) path, traffic signals, and lighting. The first two phases provided a connection between Ladson Road and Ashley Phosphate Road. The PCP3 Project is proposed to continue the roadway south from Ashley Phosphate Road to Remount Road and will provide an alternative route to access I-26 and I-526. All three phases of the parkway and related improvements will ultimately result in more than eight miles of new and improved roadway in an area that is undergoing rapid growth and economic expansion. The length of the PCP3 Project is approximately four miles. The project work plan and validation memo have been completed and approved by Charleston County. The project is currently ongoing.</p>
06/20 - 06/21	<p>BRISTOL NORTH-SOUTH CONNECTOR TDOT Sullivan County, TN</p> <p>Project Lead. Responsible for a Noise Technical Report for the proposed Bristol Connector from US-11E (SR-34) Near Bristol Motor Speedway to US-11W (SR-1) Near Pinnacle Parkway (IA). The limits of the study are the intersection of State Route 34 and Exide Drive to the south and the intersection of Highway 11W and Pinnacle Parkway (near Interstate 81 Exit 74). The recommended route will follow (from south to north) Exide Drive, Bethel Drive, Carden Hollow Road, State Route 126, and Walnut Hill Road. To meet the purpose and need of an improved Bristol North-South Connector, three (3) options were considered, varying in length up to 6.4 miles. The study determined that the project would create traffic noise impacts. A total of 23 properties are predicted to be impacted with Option B. A total of 27 properties are predicted to be impacted with Option C. All of the impacted land uses are residential (NAC B). Due to the absence of access control and high volume of driveways in the vicinity of these receptors, noise walls would not be a feasible option to provide abatement for these traffic noise impacts.</p>
05/20 - 12/20	<p>LADY'S ISLAND CORRIDOR PLAN Beaufort, SC</p> <p>Lead Noise Analyst. Stantec is providing the City of Beaufort with traffic engineering analysis and conceptual design for improving the three main corridors in the Lady's Island section of Beaufort – US 21 Business Sea Island Parkway, US 21 Lady's Island Drive, and SC 802 Sams Point Road. The corridor plan intends to improve traffic operations and safety, encourage active transportation modes, and enhance aesthetics while preserving the quality of life for area residents. The project includes public involvement meetings to incorporate public input. Total project length is 4 miles.</p>
01/19 - 07/19	<p>NC 417 HAMPSTEAD BYPASS (R-3300 A&B) FROM FUTURE NC 140 TO US 17 NORTH OF HAMPSTEAD Pender and New Hanover Counties, NC</p> <p>Lead Noise Analyst. A Design Noise Report was prepared for the proposed NC 417 Hampstead Bypass as a new location multilane freeway. Funding for this project is included in the Draft 2017-2027 State Transportation Improvement Program (STIP) as Project No. R-3300AB and is commonly referred to as the "Hampstead Bypass". The R-3300A section will extend from NC 140 (Wilmington Bypass) in New Hanover County to NC 210. The R-3300B section will extend from NC 210 to SR 1561 (Sloop Point Loop Road) in Pender County. The length of the project is approximately 13.9 miles. The Design Year 2040 build condition traffic noise is predicted to impact 53 receptors. Consideration for noise abatement measures was given to all impacted receptors. Two (2) traffic noise abatement measures assessed in the Design Noise Report met NCDOT Policy feasibility and reasonableness criteria. After completion of the project final design and the public involvement process, the two (2) noise walls are recommended for construction, and inclusion in the project plans and specifications. The parallel barriers are recommended to have absorptive material to reduce sound reflection.</p>

16. **Staff Experience:**

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Afton Tankersley	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	2	
TITLE	Environmental Specialist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	6	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2017 Environmental Science // BS 2008 Biology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Afton will provide AIR QUALITY/NOISE SERVICES for this contract. She is an environmental specialist focusing on the transportation industry, and is a former GDOT environmental services professional who served as a Team Leader within the Air and Noise section. Afton has managed multiple transportation projects related to air and noise pollution, including completing and reviewing both federal and state level documentations of both complex and simple variety. She can adapt and learn quickly to take on multiple responsibilities and roles. Afton has collaborated to update and develop policy changes. She is proficient in ArcMap, TNM2.5, MicroStation, ProjectWise, Bluebeam Revu, CALQView2, FHWA CO screening tool (GA).			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - 11/19	SR 38/US 84 AT CR 73/OLD SUNBURY ROAD Liberty County, GA Team Member. Prepared both Air and Noise Type III documents. The project entails of traffic signal install and realignment of curve. Both Noise and Air assessments were determined not of concern and no further modeling was warranted.			
09/17 - 11/17	I-75 NORTHBOUND COLLECTOR-DISTRIBUTOR SYSTEM FROM SR 331 TO I-285 Clayton County, GA Lead Reviewer. Reconfiguration of interchange ramps and addition of CD lanes. Lead reviewer for both Air and Noise Type I documents for NEPA. Air assessment included documentation for MSAT B and CO modeling. Noise Type I assessment, no impacts.			
11/16-02/17	SR 38 BYPASS FROM SR38/US 84 TO SR 119 Liberty County, GA Lead Reviewer. New location bypass. Lead reviewer for both Air and Noise Type I. Reviewed TNM models and barrier analysis for two proposed noise barriers. Air was assessed using CALQView2 application.			
06/16 - 09/16	SR 195 AT CS 543/SMITHVILLE ROAD & CS 547/2ND STREET Lee County, GA Team Member. Prepared both Air and Noise Type I documents for NEPA. The project added a 4-legged roundabout and two cul-de-sacs. Assessments were considered not a concern and modeling evaluations provided no noise concerns.			
12/20 - 02/21	SR 25 IMPROVEMENTS FROM YACHT DRIVE TO HARRY DIGGERS RD-PH I; HARRY DIGGERS RD TO S OF SR 99-PH II Glynn County, GA Lead Reviewer. Widening project with a length of 6.4 miles that included a three-legged roundabout. Served as reviewer for both the Air Assessment (CO evaluation and MSAT B evaluation) and Noise Type I Assessment utilizing TNM 2.5.			
01/18 - 03/18	I-85 AT SR 74/SENOIA ROAD INTERCHANGE WIDENING AND RECONSTRUCTION Fulton County, GA Team Member. Completed Noise assessment in TNM 2.5, included Noise Barrier assessment. Air Assessment consisted of MSAT B evaluation and CO evaluation utilizing CALQView2.			


16. **Staff Experience:**

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Brian Newman, PWS	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	Senior Environmental Scientist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	18	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2011 Environmental Science // BS 2004 Wildlife Management		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Professional Wetland Scientist #3128 LA 2024		
YEAR REGISTERED	2019	DISCIPLINE	CERTIFICATION: Wetland Delineation Training, 2007	
Contract role(s) / brief description of responsibilities	<p>Brian will provide BIOLOGICAL & WETLANDS SERVICES for this contract. He has 19 years of experience in ecological permitting and evaluation. Brian specializes in US Army Corps of Engineers Section 404 and Section 408 permitting and Coastal Use Permitting for oil and gas pipelines, petrochemical facilities (greenfield development and expansion), mining and manufacturing facilities. Other experience includes participation in development of Environmental Impact Statements (EIS), Federal Energy Regulatory Commission (FERC) applications assisting with RR2 and RR3, Scenic Rivers permitting, local levee district permitting, Endangered Species Act (ESA) consultations, Bald and Golden Eagle Management Act consultations, mitigation banking, Natural Resource Damage Assessments (NRDA), SCAT surveys, spill response and emergency response. Brian has working in many states including Louisiana, Mississippi, Alabama, Florida, Georgia, Tennessee, Texas, Arkansas, Oklahoma, Kansas, Colorado, Wyoming and Utah. Brian meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 6.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/15 - 05/17	PROJECT SWORDFISH PIPELINE Louisiana Project Manager/Permitting Lead. Responsible for oversight of cultural and biological surveys. Developed routing and siting, alternatives analysis, preparing federal, state, and local environmental permits, and supporting agency coordination. Permit applications included USACE Section 404/10 and Section 408 permits, LDNR Coastal Use Permits, levee district LONOs, and threatened and endangered species clearances.			
05/19 - 02/22	TEXAS GULFLINK PROJECT Texas Ecological Permitting Lead. Responsible for oversight of cultural and biological surveys. Responsible for development of USACE Section 404/10 and Section 408 permits, TGLO Coastal Consistency Determination, and threatened and endangered species consultations. Developed biological resources sections within an Environmental Impact Assessment for US Coast Guard Deepwater Port License.			
03/13 - 08/14	PLAIN ALL-AMERICAN LA PIPELINE PROJECT Louisiana Project Manager/Permitting Lead. Responsible for oversight of cultural and biological surveys. Developed routing and siting, alternatives analysis, preparing federal, state, and local environmental permits, and supporting agency coordination. Permit applications included USACE Section 404/10 and Section 408 permits, LDNR Coastal Use Permits and local Coastal Zone program consistency determination.			
06/13 - 11/19	NUSTAR, ST. JAMES TERMINAL Louisiana Ecological Permitting Lead. Responsible for oversight of biological and cultural surveys. Developed routing and siting, alternatives analysis, preparing federal, state, and local environmental permits, and supporting agency coordination. Permit applications included USACE Section 404/10 and Section 408 permits, LDNR Coastal Use Permit and levee district LONO. Also included renewal of annual dredge permits issued by USACE and LDNR.			
05/21 - 12/22	CONFIDENTIAL FACILITY REPURPOSING PROJECT Louisiana Ecological Permitting Lead. Responsible for complex multi-stage USACE Section 404 and 408 permitting efforts for facility repurposing and linear project. Developed routing, siting and alternatives analysis. Included weekly stakeholder engagement, agency coordination, oversight of biological and cultural surveys, development permitting strategies during changing scopes and presentations to senior business managers. Preparation of multiple permit applications including USACE Section 404/10 and Section 408 permits, LDNR Coastal Use Permits and levee district LONOs.			
01/12 - 06/14	CLOVELLY FACILITY TANS EXPANSION LOOP, LLC Louisiana Project Manager/Permitting Lead. Responsible for oversight of biological surveys. Prepared federal, state, and local environmental permits, and supporting agency coordination. Permit applications and authorization included USACE Section 404/10 permit and LDNR Coastal Consistency Determination			



08/10 – 12/12	IED, INC. Louisiana Team Lead. Led a team of biologist for wetland delineations throughout Livingston Parish along waterways. Develop wetland delineation reports and USACE permit applications for over 100 waterway debris removal projects.
01/09 – 12/10	RES, INC. Louisiana Team Lead. Led a team of biologist for a 1000-acre wetland delineation in Lake Charles, Louisiana. Developed wetland delineation report and obtained jurisdictional determination from USACE New Orleans District. Developed prospectus and Mitigation Banking Instrument for proposed mitigation bank.
01/08 – 12/09	PICKERING ENGINEERING Mississippi Team Lead. Led a team of biologist for a 1500-acre wetland delineation in Pearlinton, Mississippi. Developed wetland delineation report and obtained jurisdictional determination from USACE Vicksburg District.
01/07 – 12/08	MUSTANG ENGINEERING Louisiana Field Team Lead. Responsible for 50-mile pipeline wetland delineation in north Louisiana. Collected field data, developed wetland delineation report and conducted wetland impact analysis for proposed pipeline replacement.






16. Staff Experience:

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Ryan Blankenship, CWB	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	8	
TITLE	Senior Wildlife Biologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2011 Conservation Biology // BS 2010 Wildlife and Fisheries Science		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Certified Wildlife Biologist 2025		
YEAR REGISTERED	2020	DISCIPLINE	Wildlife Biology	
Contract role(s) / brief description of responsibilities	<p>Ryan will provide BIOLOGICAL & WETLANDS SERVICES for this contract. He is a Certified Wildlife Biologist® with a background in wildlife conservation and management which contributes to his understanding of a range of assessments and surveys, including but not limited to species habitat assessments, threatened and endangered species surveys, migratory bird treaty act compliance, wetland delineations, Section 10/401/402/404/408 permitting and compliance, and NEPA compliance. He is also skilled in environmental report preparation and GIS processing. Ryan is a USFWS permitted biologist for the Interior Least Tern, Northern long-eared bat, Ozark big-eared bat, Gray bat, Neosho mucket, rabbitsfoot mussel, scaleshell mussel, winged mapleleaf, and Ouachita rock pocketbook (TE168185-6). Additionally, he is a sub-permittee under CMEC's TPWD Scientific Research Permit (SPR-0691-409) and holds a Scientific Collector's Permit (5353718) with ODWC for mussel and bat species in the state of Oklahoma. He has worked on local, state and federal environmental permit applications for roadway infrastructure, residential, commercial, industrial, municipal, utility scale, and renewable development projects. He has participated in USFWS, USACE, TCEQ, EPA, TPWD, ODWC, ODEQ, and USDA RUS coordination on projects across various states. Ryan meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 7.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/22 - 06/23	<p>ACOUSTIC BAT SURVEYS AT 18 PROJECTS ODOT OK Biologist. Ryan acted as permitted biologist who authored the Acoustic Bat Survey Study Plan, conducted acoustic bat field surveys, processed and identified all audio files collected, and prepared a survey report detailing results and conclusions of the survey. Each Survey Study Plan was created in accordance with USFWS approved 2020 Range-Wide Indiana Bat Survey Guidelines and ODOT Guidance for Acoustic Bat Surveys and consisted of two detector nights. One detector was used at each project location and positioned by qualified biologists to capture audio data from the most likely bat trafficked corridors within the project area based on the present habitat and topography. Detectors were run for two consecutive nights during favorable conditions. Audio files were processed using North American Bat classifier software, and audio files containing bat calls were then manually vetted to identify species. Survey reports were generated which discussed the results of the processed data and the presence or absence of federally listed bats. Federally-listed species whose ranges intersected the project areas included the northern long-eared bat (<i>Myotis septentrionalis</i>), gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>Myotis sodalis</i>), and Ozark big-eared bat (<i>Corynorhinus townsendii ingens</i>).</p>			
02/20 - 12/21	<p>US 281 FROM JACK COUNTY LINE TO APPROXIMATELY 5.5 MILES NORTH OF IH20 (EXCLUDING CITY OF MINERAL WELLS) TXDOT-FORT WORTH DISTRICT Palo Pinto County, TX Project Manager. TXDOT proposed improvements along US 281 in Palo Pinto County along the existing right-of-way north and south of the City of Mineral Wells (excluding the City of Mineral Wells). The project length is approximately 20.2 miles long and includes construction of a Super 2 roadway with minor pavement widening with culvert extensions and safety end treatments, grading, base, overlay, and pavement markings. Ryan acted as Project Manager responsible for coordinating the project schedule, coordination field investigations, and production of an Archeological Resources Background Report, Hazardous Materials ISA, Traffic Noise Analysis, Biological Resources Evaluation, Delineation of Waters of the U.S., and a Pre-Construction Notification for the use of NWP-14 to the USACE.</p>			
01/20 - 09/20	<p>US 281 FROM ROUND MOUNTAIN ROAD TO THE ARCHER COUNTY LINE TXDOT-FORT WORTH DISTRICT Jack County, TX Project Manager. TXDOT proposed improvements along US 281 in Jack County along the existing right-of-way from Round Mountain Road to the Archer County line. The project length is approximately 17.8 miles long and includes construction of a Super 2 roadway with minor pavement widening with culvert extensions and safety end treatments, grading, base, overlay, and pavement markings. Ryan acted as Project Manager responsible for coordinating the project schedule, coordination field investigations, and production of an Archeological Resources Background Report, Hazardous Materials ISA, Biological Resources Evaluation, and Delineation of Waters of the U.S. 2020.</p>			

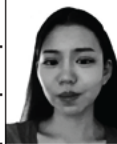


06/19 - 06/22	<p>BAT HIBERNACULUM SURVEY TXDOT FM 219 ROAD IMPROVEMENT Erath County, TX</p> <p>Biologist. Ryan led a visual inspection of culvert/structures and potential roost trees. Surveys were done in accordance with NCDOT SOP "Culvert Attributes" and USFWS "APPENDIX D: Bridge Assessment Guidance". This includes a 100% visual inspection of each culvert/structure including all cracks, expansion joints, and other cave-like environments. Additionally, potential roost trees, as specified by NCDOT SOP, were inspected for exfoliating bark, cavities, and crevices. The USFWS protocol stipulates that in addition to the visual inspection of favorable bat roosting sites, field indicators such as sound, droppings (guano), and staining should also be assessed. Each of these indicators "should be considered on its own merits and the presence of even one of these on a bridge is enough documentation to confirm bat use." Biologists conducted physical observations to individually assess each of the USFWS stipulated indicators to arrive on a determination of probable absence of bat species for all structures surveyed.</p>
06/21 - 08/21	<p>ACOUSTIC BAT SURVEYS AT THREE BRIDGES ODOT North Eastern, OK</p> <p>Biologist. ODOT proposed to correct three structurally deficient and functionally obsolete bridges, two located in Adair and one in Craig County, Oklahoma. The proposed improvements consisted of full bridge replacements at each crossing. Ryan acted as permitted biologist who authored the Acoustic Bat Survey Study Plan, conducted acoustic bat field surveys, processed and identified all audio files collected, and prepared a survey report detailing results and conclusions of the survey. Each Survey Study Plan was created in accordance with USFWS approved 2020 Range-Wide Indiana Bat Survey Guidelines and ODOT Guidance for Acoustic Bat Surveys and consisted of two detector nights. One detector was used at each project location and positioned by qualified biologists to capture audio data from the most likely bat trafficked corridors within the project area based on the present habitat and topography. Detectors were run for two consecutive nights during favorable conditions. Audio files were processed using North American Bat classifier software, and audio files containing bat calls were then manually vetted to identify species. Survey reports were generated which discussed the results of the processed data and the presence or absence of federally listed bats. Federally-listed species whose ranges intersected the project areas included the northern long-eared bat (<i>Myotis septentrionalis</i>), gray bat (<i>Myotis grisescens</i>), Indiana bat (<i>Myotis sodalis</i>), and Ozark big-eared bat (<i>Corynorhinus townsendii ingens</i>). Final survey reports were submitted to ODOT in August 2021.</p>
10/19 - 04/20	<p>US 377 – GREEN RIBBON FUNDING PROJECT AT CAMP BOWIE BOULEVARD FREESE AND NICHOLS, INC. Fort Worth, Tarrant County, TX</p> <p>Project Manager. The proposed project includes multi-layer landscape planting and irrigation enhancements within the TxDOT right-of-way at the along US 377/ Camp Bowie Boulevard from Marks Place to Pelham Road in Tarrant County, Texas. The project proposes landscaping enhancements within the median of a six-lane divided TxDOT roadway, including shade trees, ornamental trees, shrubs/ornamental grasses, groundcover, mulch, concrete landscape mow strip, and underground irrigation system. Project Manager responsible for Client coordination, scheduling, and deliverable of Environmental Technical Reports to be submitted to the TXDOT-Fort Worth District for National Environmental Policy Act (NEPA) clearance (Categorical Exclusion). Biology/Waters of the U.S. Task Lead responsible for conducting the field work and habitat assessment for the preparation of the Biological Evaluation Technical Report and Form.</p>
11/18 - 06/20	<p>CHEEK-SPARGER ROAD, CITY OF COLLEYVILLE FREESE AND NICHOLS, INC. Tarrant County, TX</p> <p>Project Manager. The City of Colleyville proposes the reconstruction of 2,00 feet Cheek-Sparger Road from SH 26 to Brown Trail in the City of Colleyville, Tarrant County, Texas. Improvements include adding curbs, shoulders, storm drains, driveway approaches, and an 8-foot wide sidewalk to the north side of the roadway. Ryan acted as Project Manager responsible for coordinating the project schedule, coordination field investigations, and production of an Archeological Resources Background Report, Hazardous Materials ISA, Biological Resources Evaluation, Delineation of Waters of the U.S., Historic Resources PCR, and environmental scoping documents to support a CE-C26 classification environmental clearance.</p>
05/18 - 12/21	<p>FARM-TO-MARKET 51 BRIDGE REPLACEMENT TRANSYSTEMS Gainesville, Cooke County, TX</p> <p>Lead Biologist. The proposed project includes replacement of the 9-simple span reinforced concrete T-beam bridge with a 40-foot-wide roadway, 5-foot-wide sidewalks on both sides, and approximately 360 feet long. The FM 51 bridge spans the Elm Fork Trinity River, is National Register Eligible, and is significant for its type and special design details. Project Manager responsible for project scoping, technical report preparation and execution, and advancing the project schedule. Lead biologist and permitted malacologist for a Phase I TPWD/USFWS freshwater mussel presence/absence survey for a Group 3 water (Elm Fork Trinity River) triggered by the determination of potentially suitable habitat for the state listed threatened Texas heelspitter mussel. This effort was conducted over the course of two days by three qualified biologists. Various deliverables submitted to the TXDOT-Wichita Falls District for an Categorical Exclusion (CE) determination for National Environmental Policy Act (NEPA) clearance.</p>
04/17 - 04/21	<p>SH 114 FRONTAGE ROADS KIMLEY-HORN AND ASSOCIATES, INC. Tarrant County, TX</p> <p>Biologist. The Texas Department of Transportation, Town of Trophy Club, Town of Westlake, and City of Westlake proposes to construct dual frontage roads, ramp, and intersection improvements along SH 114 in Tarrant county, TX. This project included work along an urban section of SH114 with new right-of-way and easements at a rate of approximately 5 acres/linear mile. The project was processed as a Categorical Exclusion (CE). Environmental Technical Reports included: Air Quality Conformity, Noise Analysis, Historic Resources PCR, Archeology Background Report, Biological Resources, and Water Resources. Two perennial streams exist within the project area and were identified to have potentially suitable habitat for 3 state-listed freshwater mussel species. Ryan conducted a qualitative presence/absence freshwater mussel survey of the identified stream crossings. Critical to advancing the project was the Public Hearing, originally scheduled for in-person in March 2020. Due to the COVID-19 pandemic, the CMEC team had to pivot to the first virtual public hearing held in the Fort Worth District (completed in April 2020). This successful virtual public hearing was critical in maintaining the aggressive letting schedule of June 2020. This project was originally anticipated to require EA level environmental clearance. However, Ryan was able to work with the Fort Worth District and Design Team to reclassify this project as a D-List (13) CE.</p>


16. **Staff Experience:**

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Josh Cheek, PLA		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		4
TITLE	Senior Landscape Architect		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		19
DEGREE(S) / YEARS / SPECIALIZATION		BLA 2000 Landscape Architecture			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		No. 2007013275 MO 12/31/2023			
YEAR REGISTERED	2007	DISCIPLINE	Landscape Architecture		
Contract role(s) / brief description of responsibilities	Josh will provide VISUALIZATION SERVICES for this contract. He is a Senior Landscape Architect in Stantec's Community Development practice. During the past two decades, he has had the opportunity to work on a variety of projects of all scales both stateside and internationally. The diversity of these project types and clients has guided his understanding of what makes a project successful and the benefits of true collaboration and thoughtful design. His belief that landscape architecture in the art and science of crafting the natural and built environment has guided his design of spaces that allow clients to fully realize their vision and maximize site potential.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/21 - 04/23	I-49 CONNECTOR Lafayette, LA Visualization Specialist/Landscape Architect. Provided visualization and design for context sensitive solutions for the I-49 Connector project. A number of vehicle, bike and pedestrian connections were explored in a series of aerial and ground level exhibits.		 I-49 Roundabout  I-49 Street		
02/17 - 05/18	NORTH LOOP PEL Kansas City, MO Visualization Specialist/Landscape Architect. Provided urban design and streetscape concepts for vision of proposed transition district in downtown KCMO.		 North Loop PEL		
01/20 - 09/20	ROSCOE RIGHTER PARK MASTER PLAN Riverside, MO Visualization Specialist/Landscape Architect. Provided master plan and vision document for a 50-acre park that maximizes the natural character and amenities of the site.		 Roscoe Righter Park Master Plan		
04/19 - 08/19	SUMMER SIEGE MASTER PLAN Smithville, MO Landscape Architect. Provided master plan and vision document that transformed a 140-acre agricultural property into a residential, recreational and event facility that allows for complete engagement with the entire site.				

16. **Staff Experience:**


FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Dana Ireland	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	GIS Analyst	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BA 2022 Geography		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Dana will provide GIS SERVICES for this contract. She is a GIS analyst with one year of experience. Over the course of her internship and the start of her formal employment, she has worked on a diverse array of projects such as PD&E studies, energy transmission line site and planning analysis, and potable water network editing. Her skills include the suite of ArcGIS software products, web/field map development, data editing and analysis, and the production of cartographic figures.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/23 - Ongoing	SR 936/SW 344TH PINELAND PRESERVE PROJECT DEVELOPMENT & ENVIRONMENT (PD&E) STUDY Miami, FL GIS Analyst. Dana prepared several cartographic exhibits, assisted in area calculations by current and future land use, and prepared a web-map for field work.			
03/23 - Ongoing	CAJ88 LONG KEY BRIDGE PROJECT DEVELOPMENT & ENVIRONMENT (PD&E) STUDY Long Key, FL GIS Analyst. Dana prepared a web-map for field work.			
05/22 - 07/22	KINGS HIGHWAY - BE506 - DISTRICTWIDE MITIGATION WILDLIFE PROJECT DEVELOPMENT & ENVIRONMENT (PD&E) STUDY FDOT DISTRICT 4 Fort Lauderdale, FL GIS Analyst. Dana converted previous field data to GIS and created a web-map for field work.			
03/22 - 06/22	JEA WEST JACKSONVILLE ROUTING & SITING STUDY JACKSONVILLE ELECTRIC AUTHORITY (JEA) Jacksonville, FL GIS Analyst. Dana assisted the GIS lead and other members with the routing and site analysis to find the best location for the proposed new transmission loop within the study area. She also helped gather constraint data, prepare figures, and creating and verifying sensitive receptors.			
03/22 - 05/22	JEA CONCEPTUAL 138KV TRANSMISSION LINE STUDY JACKSONVILLE ELECTRIC AUTHORITY (JEA) Jacksonville, FL GIS Analyst. Dana assisted the GIS lead and other members with the figure production.			
08/22 - 10/22	APOPKA KEENE ROAD SUBSTATION SITING PROJECT Orange County, FL GIS Analyst. Dana assisted the GIS lead and other members with the substation site analysis to find the best location for the proposed new substation within the study area. She also helped gather land use data, prepare figures, and creating and verifying sensitive receptors.			
11/22 - 03/23	ARECIBO DISTRIBUTION HARDENING Arecibo, Puerto Rico GIS Analyst. Dana worked as the main GIS Analyst for the engineering team, creating field maps, figure exhibits, and managing the field collected data and photos.			
11/22 - 04/23	PONCE DISTRIBUTION HARDENING Ponce, Puerto Rico GIS Analyst. Dana worked as the main GIS Analyst for the engineering team, creating field maps, figure exhibits, and managing the field collected data and photos.			

16. Staff Experience:

FIRM EMPLOYED BY		Terracon Consultants, Inc.		
NAME	Donald Malone, PE, RSM	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
TITLE	Senior Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	35	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1993 Civil Engineering // BS 1986 Thermal and Environmental Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Professional Engineer NC No. 020195 / Exp. 12/23; GA No. PE049095 / Exp. 12/23; SC No. 38159 / Exp. 6/24; VA No. 402061923 / Exp. 3/24		
YEAR REGISTERED	1994	DISCIPLINE	Civil/Environmental	
Contract role(s) / brief description of responsibilities	Donald will serve as GEOTECHNICAL ENGINEER for this contract. He is a principal engineer and certified project manager and brings 39 years of experience coordinating and directing the successful completion of soil and groundwater remediation projects under the Resource Conservation and Recovery Act (RCRA); Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and state regulatory programs. Donald drives projects to closure through remedial alternatives evaluations and feasibility studies, effective remedial designs, accurate cost estimates, and effective communications with project staff. He is an experienced project/program manager, regulatory expert, and Registered Site Manager in North Carolina's Registered Environmental Consultant (REC) Program			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
6/21 - 5/23	REMEDIAL INVESTIGATION AT THE TARHEEL ARMY MISSILE PLANT CERLCA SITE, BURLINGTON, NC. U.S. ARMY CORPS. OF ENGINEERS (USACE), SUBCONTRACTED THROUGH NORTHWIND ENGINEERING. Sr. Engineer/Project Manager. Donald and staff in Terracon's Raleigh, North Carolina office performed a comprehensive Remedial Investigation (RI) for the USACE and the U.S. Army Environmental Command (USAEC) to investigate potential chemical impacts on environmental media at the former Tarheel Army Missile Plant site. Terracon prepared a detailed RI Report upon conclusion of the field activities. We successfully performed a diverse set of remedial investigations that defined the constituents of potential concern in impacted environmental media. The activities were performed on time and on budget and met and/or exceeded the USACE's and USAEC's requirements for the project.			
1/20 - 5/23	REMEDIAL ALTERNATIVES EVALUATION AND HYDRAULIC EVALUATION OF GROUNDWATER EXTRACTION SYSTEM AT A CERCLA SITE, LITTLE ROCK, AR. Confidential Client. Sr. Engineer/Program Manager. Donald and staff in Terracon's Little Rock and Minneapolis offices re-evaluated the current remedy established by a Record of Decision for an existing Superfund site. Terracon's work included reviewing the site's background and history, developing a detailed Conceptual Site Model (CSM), and preparing work plans and detailed assessment reports. We negotiated with U.S. Environmental Protection Agency (USEPA) and Arkansas Department of Environmental Quality (ADEQ) to allow the re-evaluation of the current remedy by performing a hydraulic evaluation of an ongoing hydraulic containment system to optimize the established remedy for the site. The results of this work will be available in late 2023.			
5/21 - 8/23	FEASIBILITY STUDY TO ASSESS REMEDIAL TECHNOLOGIES FOR LNAPL - WALNUT COVE, NORTH CAROLINA. NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT). Sr. Engineer. Donald developed a focused feasibility study to evaluate and select potential remedial strategies for the site. The investigational area was surrounding a former underground storage tank (UST) basin that originally contained a 10,000-gallon gasoline and diesel fuel tanks and a refueling island. The NCDOT removed both the USTs in 1997. Fuel leaks were identified beneath the dispenser island, but contaminated soil was not encountered during the UST excavations and removals. Free-phase petroleum was detected in two monitor wells ranging in thickness from less than 0.50 feet to greater than 2.0 feet. During the Feasibility Study, Terracon developed a semi-quantitative ranking system for each remedial option against seven selection criteria, and then developed five remedial option scenarios for the client's consideration. Terracon worked closely with the NCDOT and NCDEQ during the remedy selection process. The final selected remedial alternative for the site that met the NCDOT's funding profile included Monitored Natural Attenuation (MNA), Long-Term Groundwater Monitoring, and the skimming of free product using passive bailers. The NCDOT requested Terracon to screen and evaluate several potential remedial strategies to address the LNAPL in the two monitor wells a surrounding area.			

1/02 – 6/16	<p>FORMER CHROMIUM PLATING FACILITY, USCG SUPPORT CENTER - ELIZABETH CITY, NC.</p> <p>Sr. Engineer/Project Manager. Designed, implemented, and monitored an interim measure to remediate soil and groundwater below a former electroplating shop that was impacted with hexavalent chromium (Cr+6). The remedial technology included redox manipulation (in-situ precipitation) using sodium dithionite injection into the groundwater zone to reduce Cr+6 to its less toxic and less mobile trivalent chromium (Cr+3) state. The shop was located within an expansive aircraft complex, and structural members (e.g., footings, arch supports, tie beams, and foundations) constrained the design. An epoxy coating was applied to the subsurface concrete footings and frequent location surveys were performed while the excavation activities commenced because the sodium-dithionite solution had a potential to degrade concrete. Non-destructive testing of the concrete structures also was performed prior to, during, and after completing the interim measures to ensure that structures remained stable.</p>
1/98 – 6/16	<p>LOW-LEVEL RADIOACTIVE WASTE DISPOSAL SITE, THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL - CHAPEL HILL, NC.</p> <p>Sr. Engineer/Project Manager. Developed and implemented a Corrective Action Plan (CAP), which included the design and implementation of multi-phased corrective actions for a low-level radioactive waste site. The site's location in a wetland added additional complexity to the project. The site included approximately 52 waste-burial pits that contained laboratory disposables (e.g., rubber gloves, empty vials, paper, hypodermic needles, glass bottles), animal carcasses, chemical waste containers, and glass and plastic scintillation vials that contained toluene and 1,4-dioxane. A 400-foot-long 1,4-dioxane plume was present in groundwater due to burial activities. The work was performed on a fast-track schedule within 1.5 years because of regulatory pressures and public responses. Donald designed a sealed-joint, sheet-piling wall along a ditch adjacent to the waste disposal area to allow excavations to commence and to protect surface water quality. A contractor then excavated and segregated approximately 5,000 cy of impacted soil, waste, and animal carcasses according to their level of contamination, waste type, and ultimate destination. Wastes were disposed of off-site at several different facilities. After the excavation was completed, Donald designed and implemented a groundwater recovery and treatment system that included pneumatic recovery pumps, an oil-water separator, and an air stripper. The treated water was discharged to the local sanitary sewer system for further treatment. The pump-and-treat system was very effective in removing 1,4-dioxane from the impacted zones due to its relatively high aqueous solubility.</p>
1/02 – 6/16	<p>REMEDIATION ACTION IMPLEMENTATION AT A CHEMICAL WASTE DISPOSAL SITE, THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL - CHAPEL HILL, NC.</p> <p>Sr. Engineer/Project Manager. Developed and implemented a Remedial Action Plan (RAP) for a former chemical waste disposal site, which included the design and implementation of multi-phased corrective actions for a former burial area for laboratory chemical containers. The site's location in an urban area controlled by the Town of Chapel Hill and utilized by the University made the design and implementation of the removal action more complex. Between 1973 and 1979, the University disposed of chemical wastes from the University's teaching, research, and hospital laboratories in a careful controlled and inventoried burial area. Discrete burial pits were located adjacent to one another with approximately 4 to 8 ft of native soil separating each pit. Buried wastes consisted of a variety of constituents, including halogenated and non-halogenated solvents, other organic compounds, metals, acids, and bases. Most chemicals were contained within small glass or plastic containers, or small drums. Several gas cylinders also were encountered during the removal actions, which were not anticipated during the work planning process.</p>
1/02 – 6/16	<p>BUILDING 77 RELEASE SITE (SWMUS 12, 13, AND 60), USCG SUPPORT CENTER - ELIZABETH CITY, NC.</p> <p>Sr. Engineer/Project Manager. Donald and his Team designed and developed a corrective measures study at the USCG Support Center for the Building 77 Release Site (SWMU Numbers 12, 13, and 60). Chlorinated solvents were used in Building 77 to remove paint from aircraft from the 1960s to 1985. Stripping compounds containing spent solvents and releases from the still tanks were reportedly washed down the floor drains in Building 77, resulting in chlorinated hydrocarbon impacts to soil and groundwater below and downgradient of the facility. A Corrective Measure Study (CMS) Report was developed to identify media-specific cleanup standards, evaluate the potential for vapor intrusion into buildings, and develop potential corrective measures for impacted soil and groundwater at the site. Based on results from the Johnson and Ettinger model, soils below a nearby building was recommended to remain in place because the concentrations of all chemicals of potential concern were below applicable soil remediation goals and site-specific human health risk based cleanup standards. The fate and transport mechanisms also were reviewed using simple analytical methods to evaluate whether the groundwater plume was stable or decreasing. Surface water (i.e., mixing zone) models were used to assess the potential for exceeding surface water criteria in the Pasquotank River. The data gathered for the site demonstrated that geochemical indicators of natural degradation as well as degradation daughter products were present in groundwater, evidence that natural attenuation was occurring at the site. Additionally, the potential discharge of impacted groundwater into the Pasquotank River did not appear to pose a risk to human health or to the environment at that time based on conservative mixing zone calculations. Therefore, the CMS recommended that monitored natural attenuation alone was protective of remediation goals at groundwater discharge points, and was approved by NCDENR as the final corrective measure for the site.</p>

16. Staff Experience:


FIRM EMPLOYED BY		Terracon Consultants, Inc.		
NAME	Stephen Osborne, PG	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	5	
TITLE	Environmental Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	3	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2013 Geology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PG, Louisiana No. 1374 / exp. 05/10/2024		
YEAR REGISTERED	2022	DISCIPLINE	Professional Geologist	
Contract role(s) / brief description of responsibilities	Stephen will provide ESA PHASE I SERVICES for this contract. He is an environmental project manager with eight years of experience in the geoscience field. Stephen has served as Project Manager responsible for site reconnaissance and all aspects of report preparation for more than one hundred Phase I Environmental Site Assessments (ESA) across Louisiana, Mississippi, Alabama, and Texas. Clients for these projects have consisted of lending institutions, site owners, potential buyers, and land developers. Sites have included undeveloped land, agricultural land, industrial developments, commercial properties, and multifamily residential properties. He has also served as Project Manager responsible for performing nearly 25 Phase II ESAs, including collecting groundwater, surface water, and soil samples for analysis, data interpretation, and report writing. Along with performing Phase I and II ESAs, he has been responsible for response actions necessary to secure regulatory closure of affected properties under Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) guidelines. The sites have included light industrial, agricultural, commercial development, manufacturing, gas stations, automotive facilities, apartment complexes, and vacant tracts of land.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/17 - 11/17	NELSON ROAD EXT. & BRIDGE, LAKE CHARLES, LA. DOTD. Field Geologist. Stephen assisted with the Phase I Environmental Site Assessment (ESA), and Environmental Assessment (EA) prepared for this project. Roles included data collection, data tabulation, report preparation, and site visits.			
06/18 - 04/19	I-49 LAFAYETTE CONNECTOR, LAFAYETTE, LA. DOTD. Field Geologist. Stephen assisted with site preparation and access for the site investigation for this project. Terracon worked with property owners and railroads to coordinate access/work agreements to facilitate work.			
04/18 - 01/19	FELICIANA CO-OP, CLINTON, LA. AMITE COUNTY CO-OP. Field Geologist and Project Manager. Terracon performed a Phase I ESA, identifying the historical use of aboveground storage tanks as a recognized environmental condition. Based on the Phase I ESA findings, a Limited Site Investigation (LSI) was performed, including collecting soil and groundwater samples. The analytical results were compared to RECAP SS. The LSI findings indicated exceedances of constituents of concern above RECAP SS. The findings were submitted to LDEQ, and an investigation work plan was subsequently submitted and approved by LDEQ. A RECAP Evaluation was performed using the data obtained in the LSI and additional investigation. Based on the findings of the RECAP Evaluation, Terracon requested a No Further Action determination which LDEQ approved.			
05/22 - 08/22	FORMER BORDEN DAIRY, BATON ROUGE, LA. JPB HOLDINGS, LLC. Field Geologist and Project Manager. Terracon performed a Phase I ESA, identifying historical operations as recognized environmental conditions. Based on the Phase I ESA findings, an LSI was performed, which included the collection of soil, groundwater, and soil gas samples. The analytical results were compared to RECAP SS. The LSI findings indicated exceedances of constituents of concern above RECAP SS. The findings were submitted to LDEQ. Subsequently, an investigation work plan was submitted and approved by LDEQ. The approved scope of work includes limited corrective action, installation of additional borings, and soil gas sampling.			
04/17 - 09/17	STARBUCKS, BATON ROUGE, LA. STARBUCKS COFFEE COMPANY. Field Geologist and Project Manager. Stephen performed all aspects of a Phase I ESA at a former gas station facility proposed for redevelopment as a restaurant. Review of historical operations identified known soil and groundwater contamination, which could result in a current exceedance of regulatory standards. A Limited Site Investigation was then conducted at the site to determine the impact to the subsurface. Stephen led all field sampling activities.			

16. Staff Experience:

FIRM EMPLOYED BY		Terracon Consultants, Inc.	
NAME	Steve Whitting, PG, CPG	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4
TITLE	Senior Geologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	38
DEGREE(S) / YEARS / SPECIALIZATION		BS 1978 Biology	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Professional Geoscientist No. 346 / Louisiana / Exp. 11/25/23	
YEAR REGISTERED	2014	DISCIPLINE	Geoscience
Contract role(s) / brief description of responsibilities	<p>Steve will provide ESA PHASE I AND II and GEOTECHNICAL/PHASE II ESA ENVIRONMENTAL TESTING SERVICES for this contract. He is a Senior Geologist with over 40 years of experience as a geologist with 30 years of experience in environmental consulting. Steve's extensive experience includes agency interaction and planning, performing, and managing Phase I and Phase II Environmental Site Assessments (ESA), Statewide Order 29-B and Risk-Elevation/Corrective Action Program (RECAP) site investigations, Remedial Investigation/ Feasibility Studies, RCRA Facility Investigations, groundwater monitoring programs, soil, and groundwater remediation projects, and underground storage tank (UST) closures for governmental, commercial, and industrial clients. Steve meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 5.</p>		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/19 - 10/22	<p>H.004273.5 LAFAYETTE URBAN SECTION (I-49 LAFAYETTE CONNECTOR), SW EVANGELINE THRUWAY/JOHNSTON STREET LAFAYETTE, LA. STANTEC. Authorized Project Reviewer. As a senior-level Terracon reviewer, Steve reviewed reports and correspondence between Terracon and DOTD. He provided technical consultation and recommendations related to LSI of the portion of the proposed I-49 corridor. The site was previously utilized for rail operations from the late 1800s through the early 1980s. In the 1960s, the southern two tracts were utilized as a trucking facility, Conoco warehouse, and lumber yard. The LSI was conducted to assess the presence of chemicals at concentrations above laboratory reporting limits in the on-site soil and groundwater.</p>		
08/21 - 11/22	<p>MOVE ASCENSION PROJECT MA-20-01, LA-73 TO BLUFF ROAD (LA 928) CONNECTOR RECAP SITE INVESTIGATION - FORMER S&H LANDFILL SITE, ASCENSION PARISH, LA. SHREAD-KUYRKENDALL AND ASSOCIATES. Senior Geologist/Authorized Project Reviewer. Project Manager & Authorized Project Reviewer. Steve oversaw Limited Site Investigation (LSI) activities that included the installation of 11 soil borings on 100-foot centers along the approximate centerline of a portion of the proposed connector alignment. The LSI was conducted to assess the presence of chemicals at concentrations above laboratory reporting limits in the on-site soil and groundwater in the portion of the proposed Bluff Road Connector alignment that is located on the former S&H Landfill.</p>		
01/22 - 05/22	<p>HERO LANDS COMPANY, LLC V. CHEVRON USA, INC., PLAQUEMINES PARISH, LA. JONES, SWANSON, HUDDALL & DASCHBACH, LLC. Project Manager. Reviewed consultant's reports for compliance with Statewide Order 29-B and RECAP sampling and reporting requirements and furnished expert opinions/recommendations and testimony concerning findings and path forward. Developed a Most Feasible Plan for remediation of petroleum hydrocarbons, metals, and chloride-impacted soil and groundwater utilizing excavation and a recovery trench system.</p>		
03/19 - Ongoing	<p>PHASE I ESAS FOR MULTIPLE LOCATIONS IN LA. CHASE BANK. Environmental Professional. Directs Phase I Environmental Site Assessments on multiple commercial sites in Louisiana. Provides technical consultation in the identification of RECs and development of recommendations.</p>		
3/20 - 7/21	<p>PHASE I ESA FOR PROPOSED SOLAR FARM, FRANKLINTON, WASHINGTON PARISH, LA. Environmental Professional and Senior Reviewer. As Environmental Professional and Senior Reviewer Steve directed Phase I Environmental Site Assessments on the proposed 506-acre solar farm site in conformance with ASTM E1527-13. Provided technical consultation in the identification of RECs and development of recommendations. No RECs were identified.</p>		
3/20 - 1/21	<p>PHASE I ESA FOR PROPOSED SOLAR FARM, PORT ALLEN, WEST BATON PARISH, LA. Environmental Professional. As Environmental Professional, directed Phase I Environmental Site Assessments on a proposed 600-acre solar farm site in conformance with ASTM E1527-13. Provided technical consultation in the identification of RECs and development of recommendations. No RECs were identified.</p>		
3/20 - 9/21	<p>PHASE I ESA FOR PROPOSED SOLAR FARM, VACHERIE, ST. JAMES PARISH, LA. Project Manager/Environmental Professional. Steve directed the Phase I Environmental Site Assessments on the proposed 229-acre solar farm site in conformance with ASTM E1527-13. Provided technical consultation in the identification of RECs and development of recommendations. No RECs were identified.</p>		




16. Staff Experience:

FIRM EMPLOYED BY		Terracon Consultants, Inc.		
NAME	Jim Baxter	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	18	
TITLE	Senior Ecologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	2	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2002 Forest Resources // BS 2000 Natural Resources		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	CERTIFICATION: Wetland Delineation, 2005	
Contract role(s) / brief description of responsibilities	<p>Jim will provide BIOLOGICAL & WETLANDS SERVICES for this contract. He is a Senior Ecologist with 20 years of experience. He manages and performs jurisdictional waters delineations, Section 404 permitting, threatened and endangered species habitat assessments and surveys, state waters guidance, stream buffer variance applications, guidance for mitigation banking, and Phase I Environmental Site Assessments (ESA). Jim is a lead reviewer for natural resource work, oversees various ecological projects throughout the southeast, and works on numerous projects in Louisiana. Jim meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 6.</p>			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/23 - Ongoing	MOON LAKE SOLAR SITE, LULA, MS, PRIVATE CLIENT Senior Project Reviewer. Reviewed wetland delineation data and report performed on approximately 4,721 acres of land to determine if WOTUS are present at the site.			
10/22 - 03/23	PROPOSED ALABAMA SOLAR SITES, NEWTON, AL, PRIVATE CLIENT Project Manager. Conducted a wetland delineation for an additional 240 acres added to the 488-acre site originally conducted in 2022 to identify and delineate potential WOTUS and wetland areas.			
7/22 - 12/22	SAFE HARBOR WETLAND DELINEATION, PRATTVILLE, AL, VERIZON Senior Project Reviewer. Reviewed wetland delineation data and report performed for a proposed telecommunications tower site.			
05/22 - 06/22	SP H.014270, LEFORT BYPASS ROAD OSB, THIBODAUX, LA, DOTD Senior Ecologist. Terracon prepared a Waters of the US (WOUS) Delineation report based on findings obtained during field delineation. Terracon recommended consultation with the USACE to determine the appropriate Nationwide Permitting action for a jurisdictional determination of the identified waters and for potential permit issuance prior to initiating construction activities for this project.			
02/22 - 04/22	AFTER THE FACT PERMITTING - MCCOMB SUBSTATION, LAPLACE, LA, ILLINOIS CENTRAL RR Senior Project Reviewer. Terracon performed a preliminary WOUS delineation on the approximately 37.03-acre site to characterize the existing site conditions, observe the site for the presence of WOTUS, including wetlands, provide an opinion regarding whether or not WOTUS (if observed) would be considered jurisdictional by the United States Army Corps of Engineers (USACE). Additionally, at the time of the WOTUS delineations, Terracon sought to identify (if observed) any impact from emergency repair operations from Hurricane Ida.			
06/21 - 01/22	H.014319.5 CEDAR CREST AVE. OFF SYSTEM BRIDGE WETLAND DELINEATION, BATON ROUGE, LA, DOTD Senior Project Reviewer. Terracon performed a WOTUS delineation for a project that involved a proposed bridge dismantling project and a new replacement structure at the Cedar Crest bridge location in Baton Rouge, LA where it crosses Weiner Creek.			




08/15 – 10/22	<p>SR371 (POST ROAD) FROM SR 9 (ATLANTA HWY) TO SR 20 WIDENING PROJECT, FORSYTHE COUNTY, GA, GDOT</p> <p>Senior Project Reviewer. For the proposed widening and roadway reconstruction project, Terracon provided a geotechnical soil survey and several environmental services including Phase I Environmental Site Assessment, NEPA, Ecology, Air Quality, Noise Study, History, and Archaeology. Wetland delineations were conducted for five streams on the site. Terracon will be taking care of federal and state waters permitting through coordination with GDOT and state and federal agencies (including USACE Section 404 permitting for Regional Conditions associated with transportation projects and a Georgia EPD state waters buffer variance). Terracon also performed federal and state-protected species surveys on the site, including an aquatics survey to confirm no impact on federally listed aquatic species.</p>
01/20 – 02/20	<p>H.013081 ROUNDHILL ROAD WETLAND DELINEATION, W. CARROLL PARISH, LA, DOTD</p> <p>Senior Project Reviewer. Terracon conducted a wetland delineation and prepared a preliminary WOTUS delineation report addressing Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act compliance requirements for the proposed Roundhill Road over Little Colewa Bayou bridge replacement.</p>
07/19 – 03/20	<p>H.013163 WADESBORO ROAD OVER UNNAMED CREEK, TANGIPAHOA PARISH, LA, DOTD</p> <p>Senior Project Reviewer. Terracon conducted a site visit at the Wadesboro Road Bridge for the proposed replacement of the 29.7-foot-long timber bridge, a project located within the Pontchartrain River Basin in the Lake Maurepas Watershed. Terracon subsequently prepared a Waters of the US (WOUS) Delineation report based on site conditions. The delineation was conducted in general accordance with the 1987 US Army Corps of Engineers (USACE) Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0, 2010), and the Louisiana Department of Transportation and Development (DOTD) guidelines.</p>
12/19 – 02/20	<p>H.013111 WEBSTER BRIDGE, MINDEN, LA, DOTD</p> <p>Senior Project Reviewer. Terracon conducted a wetland delineation and prepared a WOTUS delineation report addressing Section 404 of the Clean Water Act (Section 404) and Section 10 of the Rivers and Harbors Act (Section 10) compliance requirements for the proposed Dorcheat Road over Caney Creek bridge replacement project in Webster Parish, LA.</p>
07/19 – 12/19	<p>H.013130, OSB OUACHITA PARISH, RED CUT ROAD BRIDGE (OVER WATSON BRANCH) AND CHARLES RAWLS ROAD (OVER PRAIRION BAYOU), OUACHITA PARISH, LA, DOTD</p> <p>Senior Project Reviewer. Terracon conducted a wetland delineation for the Red Cut Road Bridge traversing Watson Branch south of West Monroe, LA. The proposed project included the design/construction of a replacement bridge structure with a similar alignment to the previous bridge.</p>
07/19 – 12/19	<p>H.013143, OSB AVOYELLES PARISH, LA, DOTD</p> <p>Senior Project Reviewer. Terracon conducted a wetland delineation for the Carbon Plant Road bridge over Bayou Boeuf in Avoyelles Parish. The delineation was conducted in accordance with the 1987 US Army Corps of Engineers (USACE) Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0, 2010) for a replacement bridge design/construction project with a similar alignment to the previous bridge.</p>
10/18 – 02/19	<p>CITY-PARISH PROJECT NO. 16-BR-US-0019, PORT HICKEY ROAD BRIDGE OVER DRAINAGE BAYOU, E. BATON ROUGE PARISH, LA</p> <p>Senior Project Reviewer. Provided environmental wetlands services, including Cultural and Historical Sensitivity of the Property (Section 106 Environmental Review).</p>
07/18 – 04/20	<p>SR 306 FROM SR 400 TO SR 369, BALDRIDGE CREEK PROJECT, FORSYTHE COUNTY, GA, GDOT</p> <p>Project Manager. For the approximately one-mile road widening project for State Route (SR) 306 located from SR 400 to SR 369, Terracon performed a wetland determination in addition to other ecological surveys. Background research was conducted prior to field surveys to identify potential ecological resources within the study area. Jurisdictional wetland determinations were performed using the three-parameter approach (hydrophytic vegetation, hydric soils, and hydrology) as described in the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and utilized the 2012 Eastern Mountains and Piedmont Regional Supplement as guidance.</p>
05/18 – 10/18	<p>PROPOSED BAINS TO TUNICA TRANSMISSION LINE, ST. FRANCISVILLE, LA, DEMCO</p> <p>Senior Project Reviewer. Terracon conducted a preliminary WOUS Delineation on a 28.1-acre site. Mr. Baxter reviewed the final report, which presented findings of the site reconnaissance.</p>


16. Staff Experience:

FIRM EMPLOYED BY		Terracon Consultants, Inc.		
NAME	Allison Stenger	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	5	
TITLE	Environmental Scientist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2013 Environmental Technology and Management		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Allison will provide GEOTECHNICAL/PHASE II ESA ENVIRONMENTAL TESTING SERVICES for this contract. She is an Environmental Scientist with Terracon, bringing ten years of environmental consulting experience to the team. She has experience providing environmental consulting services to both the private and public sectors, locally and nationwide. Specifically, she manages complex investigatory and remediation projects and environmental due diligence assessments. She is responsible for planning and implementing investigation events, creating EPA-approved Work Plans and Quality Assurance Project Plans, developing and implementing new data management tools and software, and completing and training others on technical report writing. Allison has experience managing projects under numerous regulatory agencies and regulations, including the North Carolina Department of Environmental Quality State Lead, UST, Pre-Regulatory Landfill programs, and USEPA RCRA, CERCLA, and Brownfields programs.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/19 – ongoing	RDU INTERNATIONAL AIRPORT RUNWAY EXPANSION PROJECT – RALEIGH, NC. WK DICKSON. Project Manager. Allison is the Terracon project manager and is active as a Raleigh-Durham International Airport runway expansion project team member. The runway design requires land acquisitions of the Ward Transformer Superfund Site and construction activities within remediated areas as a Bona Fide Prospective Purchaser. She manages the environmental implications within the overall project, is in the process of creating a materials management plan for construction activities, and continues coordination between the Airport, EPA, NCDEQ, NCDOT, the design firms, and other interested parties on environmental elements of the project.			
06/19 – ongoing	NCDOT U-5747 MCCRIMMON PARKWAY – MORRISVILLE, NC. NCDOT. Project Manager. Allison is the project manager consulting the North Carolina Department of Transportation (NCDOT) as they navigate the regulatory requirements of building a section of highway that intersects with the Koppers Superfund Site. Responsibilities included the completion of an ESA and file review of the Superfund site for NCDOT to determine the impact and risk to the project and the creation of an EPA-approved materials management plan for the section of roadway construction activities that intersect the Superfund Site. Allison continues to serve a consulting role on the team, coordinating and leading meetings with the involved agencies and design firms as we approach construction.			
12/18 – ongoing	NCDEQ PRE-REGULATORY LANDFILL PROGRAM (PRLF) – VARIOUS LOCATIONS, NC. NCDEQ. Project Manager, Quality Assurance Reviewer, and Database Manager. Allison serves as a project manager, Quality Assurance reviewer, and database manager for Terracon's entire on-call contract with the PRLF Unit under Program Manager Michael Dail. In this role, she is an active member in scope design, proposal development, data interpretation, and report creation for various projects within the contract. Additionally, she has completed remedial investigation activities at various pre-regulatory landfill sites throughout North Carolina.			
05/18 – 05/20	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION – VARIOUS LOCATIONS, NC. NCDOT. Staff Scientist. Allison has served the NCDOT on multiple former asphalt testing sites throughout North Carolina. Project sites contain soil and groundwater impacted with TCE, 1,1,1-TCA, and/or carbon tetrachloride. Responsibilities have included communications with site contacts and potable well owners; preparation of well permit applications; management of field staff; field screening soils with a Color-Tec® screening kit for detection of chlorinated solvents; sampling of soil, groundwater, surface water, and potable wells; driller oversight and installation of monitoring wells; coordination of investigative derived waste disposal; and preparation of reports and figures. Her role also included presenting on the success of one of the specific sites at a national conference.			

16. Staff Experience:

FIRM EMPLOYED BY		Terracon Consultants, Inc.			
NAME	Diana Day, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		9
TITLE	Project Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		3
DEGREE(S) / YEARS / SPECIALIZATION			BS 2010 Chemical Engineering (concentration in environmental)		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			Professional Engineer No. 40637 / Louisiana / Exp. 09/30/2024		
YEAR REGISTERED	2016	DISCIPLINE	Environmental		
Contract role(s) / brief description of responsibilities	Diana will provide GEOTECHNICAL/PHASE II ESA ENVIRONMENTAL TESTING SERVICES for this contract. She is a Project Engineer in Terracon's New Orleans, Louisiana office with 12 years of experience. Diana has performed various environmental engineering, environmental permitting, remediation, and consulting services. These services include preparing Risk Evaluation/Corrective Action Program (RECAP) Reports, Phase I and II Environmental Site Assessments (ESA), NEPA assessments, SPCC and SWPP plan development, wastewater discharge permits, and emissions reporting.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/19 - 10/22	H.004273.5 LAFAYETTE URBAN SECTION (I-49 LAFAYETTE CONNECTOR), SW EVANGELINE THRUWAY/JOHNSTON STREET LAFAYETTE, LA. STANTEC. Project Manager. Known historic contamination exists in the area along the I-49 alignment. As such, Terracon prepared and submitted a RECAP Site Investigation Workplan to LDEQ for their review and approval. The site investigation aims to determine the subsurface's current site conditions to plan future design and construction work appropriately. LDEQ approved the work plan. The implemented work plan involved installing thirteen soil borings with conversion to temporary wells to collect soil and groundwater samples. Free product was observed during field activities. Terracon subsequently developed a work plan to delineate the observed free product, which was implemented upon approval from LDEQ.				
07/21 - Ongoing	CONVENTION CENTER REDEVELOPMENT, NEW ORLEANS, LA. RIVER DISTRICT NEIGHBORHOOD INVESTORS, LLC. Project Manager. Completed field services and report submittal for this project. Terracon was retained by the River District Neighborhood Investors, LLC to provide environmental consulting services associated with the redevelopment of nine parcels encompassing 45 acres of vacant land surrounding the New Orleans Convention Center. Historical subsurface investigations have been performed on three parcels, identifying constituents of concern (COC) above regulatory screening standards. Additionally, industrial operations, such as railroad operations, were performed on many parcels. Terracon conducted a Limited Site Investigation (LSI) to confirm current levels of contamination as well as assess parcels where no historical data was available. The LSI included the advancement of 90 soil borings and the installation of 26 temporary wells. The findings of the LSI identified COC in the soil and groundwater above regulatory screening standards. The exceedances were reported to the LDEQ. Terracon has submitted a Site Investigation Work Plan that was prepared in accordance with LDEQ Risk Evaluation/Corrective Action Program (RECAP) requirements to further delineate contamination on two of the parcels. Terracon is preparing an LDEQ Target Brownfields Assessment application to assess the remaining parcels.				
11/21 - Ongoing	ARIAL STREET PARCELS, ALEXANDRIA, LA. CITY OF ALEXANDRIA. Environmental Engineer. Completed field services and report submittal for this project. The City of Alexandria was selected by the United States Environmental Protection Agency (EPA) for a Brownfields Petroleum Assessment Grant and Hazardous Substances Assessment Grant in 2020. The City of Alexandria retained Terracon to implement the grant. Using the grant funds, a Phase I Environmental Site Assessment (ESA) was conducted on a vacant 16-acre site in Alexandria, Louisiana. The site previously operated as a scrap yard, bulk petroleum storage facility, and railroad facility, which were identified as recognized environmental conditions. As such, Terracon prepared a Site Specific Quality Assurance Project Plan (SQAPP) for EPA review and approval to conduct a Phase II ESA to assess the onsite soil and groundwater. Upon approval, Terracon conducted a Phase II ESA which included the advancement of 26 soil borings and installing six temporary monitoring wells to collect soil and groundwater samples. The findings of Phase II ESA identified COCs in soil and groundwater above regulatory screening standards. Terracon is preparing an SSQAPP to conduct an additional assessment at the site to obtain the necessary information to prepare an Analysis of Brownfields Cleanup Alternatives (ABCA).				

16. Staff Experience:


FIRM EMPLOYED BY		Franklin Associates, LLC			
NAME	Risa R. Mueller, PMP		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		15
TITLE	Vice President		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		19
DEGREE(S) / YEARS / SPECIALIZATION		BA 1989 Journalism (News-Editorial)			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A			
YEAR REGISTERED	2008	DISCIPLINE	CERTIFICATION: Project Management Professional (PMP)		
Contract role(s) / brief description of responsibilities	Risa will provide STAKEHOLDER COORDINATION & PUBLIC OUTREACH/ENGAGEMENT SERVICES for this contract. She has 34 years' experience in program development and policy creation on federal programs; developing, implementing, and evaluating project processes and procedures; and communications and public outreach plans for a wide variety of disciplines, including planning and transportation. She is an expert in HUD CDBG-DR and FEMA recovery programs, and on NEPA transportation engagement. Her contributions to program development have allowed precedent-setting new programs to be initiated and implemented swiftly and successfully. When it comes to planning and implementing efforts, Ms. Mueller strives to maintain forward progress while keeping all stakeholders informed.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/06 - present	I-10 WIDENING, BATON ROUGE - STAGE 0 AND 1 NEPA, AS WELL AS CMAR DESIGN TEAM POST-FONSI , Contract Manager/Public Involvement Strategist. Provided advisory assistance, initiated public engagement processes, and managed workflows to effect forward movement. Oversaw public engagement coordination, creation of outreach materials, content development, and survey development and analysis.				
11/11 - present	I-49 INNER CITY CONNECTOR, SHREVEPORT - STAGE 0 AND 1 NEPA Contract Manager/Public Involvement Strategist. Managed multiple rounds of public engagement meetings, development and implementation of visioning exercises, advertising, neighborhood canvassing, public input documentation, agency coordination, stakeholder group facilitation, and governmental relations. Assisted the prime engineer in translating technical information into accessible formats and processes as efforts were undertaken to complete DOTD's Stage 0 feasibility study and Stage 1 NEPA environmental impact statement for the 3.5-mile connection of Interstate 49 through Shreveport.				
08/14 - 06/21	LA 3132 EXTENSION, SHREVEPORT - STAGE 0 AND 1 NEPA Contract Manager/Public Involvement Strategist. The proposed LA 3132 Extension provides connectivity by extending the highway south of the current terminus at LA 523 to the proposed I-69 corridor. Franklin Associates assisted with NEPA derived stakeholder and public engagement efforts for the feasibility and then the Environmental Assessment stages of the project. This included identification and scheduling of meetings with stakeholder groups, public meeting venue arrangements and event promotion including press releases, meeting facilitation assistance, stakeholder input analysis, and documentation. Franklin curated content for the project's web pages within the Northwest Louisiana Council of Governments' mega-project website.				
02/17 - 12/18	LOUISIANA'S STRATEGIC ADAPTATIONS FOR FUTURE ENVIRONMENTS (LA SAFE) 6 SOUTH LOUISIANA COASTAL PARISHES Sustainability Planning, Engagement Plan, Program Website. Franklin Associates assisted the Foundation for Louisiana in structuring a planning process and scheduling public engagement events across six coastal parishes of southeast Louisiana. Following the preparation of a regional resilience and adaptation plan, each parish crafted an individualized adaptation strategy including an implementable sustainability project. Franklin Associates drafted the overall public engagement strategy, developed and launched the program website, implemented updates and provided support to the planning team as requested.				
03/15 - 08/15	NORTH LOUISIANA PASSENGER RAIL FEASIBILITY PLAN Public Involvement Lead. In 2014-15, the Northwest Louisiana Council of Governments sought to conduct a feasibility study of establishing passenger rail service paralleling the I-20 corridor from Shreveport, LA to Vicksburg, MS. Franklin Associates aided the technical planning team by identifying and scheduling stakeholder and public meeting in venues convenient to Shreveport, Ruston and Monroe. Franklin produced press releases, event promotion materials, captured feedback from stakeholders and the public, and summarized this in a final report utilized by the technical team.				
02/18 - 06/18	BELLE CHASSE BRIDGE PUBLIC OUTREACH Public Engagement Lead. LADOTD retained Franklin Associates to draft a public engagement plan and conduct preliminary outreach related to the replacement of the LA Hwy 23 bridge and tunnel across the Intracoastal Waterway in Belle Chase, Louisiana. Franklin identified project stakeholders, conducting and documenting interviews with each. Also developed and released a public survey online and available locally in print. Responses were analyzed and a summary documentation report was prepared and delivered to DOTD. Using this information, the agency decided to move forward with the P3 model which includes requirements for future toll collection, and Franklin is now aiding the Construction Manager At Risk by providing public and stakeholder engagement, media relations, and a project website was launched and is maintained at bellechassebridge.com.				

16. Staff Experience:

FIRM EMPLOYED BY		Franklin Associates, LLC	
NAME	James C. Taylor, AICP	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	11
TITLE	Sr. Planner / Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	19
DEGREE(S) / YEARS / SPECIALIZATION		MA 1996 Landscape Architecture // BS 1989 Horticulture	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		AICP #021110 / N/A	
YEAR REGISTERED	2006	DISCIPLINE	Urban Planning
Contract role(s) / brief description of responsibilities	James will provide COMMUNITY IMPACTS & ENVIRONMENTAL JUSTICE and STAKEHOLDER COORDINATION & PUBLIC OUTREACH/ENGAGEMENT SERVICES for this contract. He has over 30 years of experience managing the public engagement aspects of transportation planning, urban redevelopment, and recreation projects. James utilizes GIS and other analytical tools to make sense of data through spatial mapping to reveal patterns and see where outreach is, and is not, working. He offers extensive professional experience that includes helping clients understand the impact of and return on their public investments utilizing a combination of website, social media, and email campaign analytics. As a certified urban planner, he has worked on over 100 projects which include: park and recreation facility designs, regional recreation and open space master plans, commercial landscape designs, ecological and habitat restoration plans, cultural and heritage tourism plans, and redevelopment master plans.		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/06 - present	I-10 WIDENING, BATON ROUGE - STAGE 0 AND 1 NEPA AS WELL AS CMAR DESIGN TEAM POST-FONSI Public Involvement Lead. Provided public engagement coordination, outreach materials, content development, survey development and analysis. Coordinated large-format public meetings. Managed project website and public-facing email address. Participated in and produced documentation for project stakeholder briefings and internal design team meetings.		
11/11 - present	I-49 INNER CITY CONNECTOR, SHREVEPORT - STAGE 0 AND 1 NEPA Public Involvement Lead. Coordinated multiple rounds of public engagement meetings, development and implementation of visioning exercises, advertising, neighborhood canvassing, agency coordination, stakeholder group facilitation, public input documentation, and governmental relations. Assisted the prime engineer in translating technical information into accessible formats and processes as efforts were undertaken to complete DOTD's Stage 0 feasibility study and Stage 1 NEPA environmental impact statement for the 3.5-mile connection of Interstate 49 through Shreveport.		
08/14 - present	LA 3132 EXTENSION, SHREVEPORT - STAGE 0 AND 1 NEPA Public Involvement Lead. The proposed LA 3132 Extension provides connectivity by extending the highway south of the current terminus at LA 523 to the proposed I-69 corridor. Franklin Associates assisted with NEPA derived stakeholder and public engagement efforts for the feasibility and then the Environmental Assessment stages of the project. This included identification and scheduling of meetings with stakeholder groups, public meeting venue arrangements and event promotion including press releases, meeting facilitation assistance, stakeholder input analysis, and documentation. Franklin curated content for the project's web pages within the Northwest Louisiana Council of Governments' mega-project website.		
02/17 - 12/18	LOUISIANA'S STRATEGIC ADAPTATIONS FOR FUTURE ENVIRONMENTS (LA SAFE) 6 SOUTH LOUISIANA COASTAL PARISHES Sustainability Planning, Engagement Plan, Program Website. Led the development of communications templates for use on the project, including branding, media, website, and social media tools. Coordinated creation and launch of website. Assisted with organizing the meetings of project stakeholders with the design team. Franklin Associates assisted the Foundation for Louisiana in structuring a planning process and scheduling public engagement events across six coastal parishes of southeast Louisiana. Following the preparation of a regional resilience and adaptation plan, each parish crafted an individualized adaptation strategy including an implementable sustainability project. Franklin Associates drafted the overall public engagement strategy, developed and launched the program website, implemented updates and provided support to the planning team as requested.		
12/17 - 06/18	BATON ROUGE PASSENGER RAIL STATIONS MASTER PLAN (SERVICE TO NEW ORLEANS) Public Involvement Lead. With the aim of promoting the idea of reestablishing passenger rail service on existing tracks between New Orleans and Baton Rouge, the Baton Rouge Redevelopment Authority contracted a technical team to analyze potential sites and develop conceptual designs for two new passenger rail stations in Baton Rouge. These would compliment those already designed by others in New Orleans and in communities in between. Franklin Associates assembled and documented meetings of project stakeholders. Franklin then reserved facilities, drafted press releases, and assisted with facilitation of public open house events at each of two venues located close to proposed train stations in Baton Rouge.		




16. Staff Experience:

FIRM EMPLOYED BY		SJB Group, LLC		
NAME	Karen Kennedy, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1.5	
TITLE	Engineering and Subsurface Utility Engineering Lead	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	25.5	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1995 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE #0028547 / Louisiana / 9/30/2023		
YEAR REGISTERED	1999	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Karen will provide UTILITIES COORDINATION SERVICES for this contract. She has 24 years of experience as a licensed civil engineer working in both the municipal and private sectors. Karen has completed infrastructure improvement, site development and subsurface utility engineering (SUE) projects for LA DOTD, MoveBR, and other local entities and private developers. She has a thorough knowledge of the Subsurface Utility Engineering CI/ASCE Standard 38-22.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/22 – Present	CITY-PARISH PROJECT NO. 20-CP-US-0099 – MOVEBR AIRLINE HIGHWAY, NORTH (FLORIDA BLVD TO INTERSTATE I-110) SUE Department Manager/Engineer of Record. SJB Group will complete ASCE 38-02 Quality Level D services for the project as a sub-consultant to Huval & Associates. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project			
08/22-Present	LA DOTD TASK ORDER NO. H.001820.5-3 – LA 485 BRIDGES NEAR ALLEN CONSTRUCTION INSPECTION Project Manager. SJB Group will provide construction coordination and monitoring for the relocation of three water mains in conflict with the project alignments at three bridge locations.			
04/22 – 03/23	CITY-PARISH PROJECT NO. 20-CP-US-0100 – MOVEBR AIRLINE HIGHWAY, SOUTH (PARISH LINE TO BLUEBONNET BLVD) SUE Department Manager/Engineer of Record. Sub to Stantec. SJB Group performed ASCE 38-02 Quality Level D services for the project. There was a heavy congestion of utilities within the project limits and identification of utility owners and approximate locations was critical to the preliminary design of the project.			
4/22 – 6/22	ST. BERNARD PARISH WATER TREATMENT PLANTS Project Manager/SUE Engineer. This project involved ASCE 38-02 Quality Level B and Quality Level A services for the St. Bernard Parish Water Treatment Plant expansion. Prior to Quality Level A and B services, extensive Quality Level D records research were completed to aid in the subsequent SUE design. The plant site is heavily congested with existing utilities serving the site. Records provided were out of date and therefore the accurate location of the facilities within the expansion area was critical to avoid disruption of water service or costly relocation costs.			
3/22 – 8/22	D VICKERS HALL RENOVATIONS AND ADDITION SUE Engineer of Record. Sub to Holly & Smith Architects. This project involved ASCE 38-02 Quality Level A and B SUE services for all utilities for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.			
1/22 – Present	CITY PARISH PROJECT NO. 21-DR-LA-0095 – DAWSON CREEK AT HUNDRED OAKS AND BROUSSARD BRIDGES SUE Engineer of Record. Sub to Forte & Tablada, Inc. This project involves Subsurface Utility Engineering and utility surveying for the proposed Dawson Creek at Hundred Oaks and Broussard Bridges. This project requires ASCE 38-02 Quality Level A and B SUE services for all utilities within the project limits. The accurate location of these facilities is critical for the ultimate design of the bridge infrastructure included in this project.			

11/21 – 3/22	PROJECT NO. 20-2057 – LA 30 ROUNDABOUTS SUBSURFACE UTILITY INVESTIGATION (TANGER MALL AND I-10) Project Manager/SUE Engineer of Record. This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.
10/21 – Present	CITY/PARISH PROJECT NO. 20-CP-HC-0044 – MOVEBR WIDENING OF LEE DRIVE (HIGHLAND TO PERKINS) SUE Engineer. This project involved ASCE 38-02 Quality Level C SUE services for all utilities within the project corridor as a sub-consultant. Prior to Quality Level C services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This corridor is heavily congested with utilities making the accurate location of such a critical part of the ultimate design of the project.
10/21 – 06/22	PURPERA AVENUE DRAINAGE IMPROVEMENTS Project Manager/SUE Engineer of Record. This project involved a Topographic Survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.
10/21 – 3/22	LA DOTD PROJECT NO. – I-110 NORTH TO PLANK ROAD SUE Engineer of Record. Sub to Buchart Horn. This project involved ASCE 38-02 Quality Level C and D SUE services for all utilities on this LA DOTD project in East Baton Rouge Parish. Quality Level C and D services requires extensive records research to aid in the subsequent roadway design.
8/21 – 2/22	LA DOTD PROJECT NO. H.012851 – UP RR CORRIDOR (PLAQUEMINE) Project Manager/SUE Engineer of Record. This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Bellevue Drive and Railroad Avenue.
5/21 – Present	CITY/PARISH PROJECT NO. 20-CP-HC-0034 – MOVEBR JEFFERSON AT CORPORATE INTERSECTION Project Manager/SUE Engineer of Record. Sub to Buchart Horn. This project involved a Topographic Survey, Property Survey, Right-of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection.

16. Staff Experience:

FIRM EMPLOYED BY		SJB Group, LLC		
NAME	Austin LaCombe, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	Subsurface Utility Engineering Department Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	6	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2017 Civil Engineering // AS 2015 Pre-Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE #0047563 / Louisiana / 9/30/2023		
YEAR REGISTERED	2023	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Austin will provide UTILITIES COORDINATION SERVICES for this contract. He manages and assists with managing subsurface utility engineering (SUE) projects for SJB Group. He is tasked with managing day to day operations of SUE field crews to include project research, preparation of field packages, supporting field efforts, organization and processing of field data, client coordination, and preparation/QA/QC of project deliverables. Austin has significant experience working on a variety of projects with diverse timelines. He is also responsible for ensuring that all safety guidelines and policies are followed and acts as a branch liaison to the corporate safety director. Austin is also proficient in a variety of software including: Bentley InRoads, OpenRoads, MicroStation, TopoDOT, AutoCAD Civil 3D, and Leica Cyclone.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
3/22 – 8/22	D VICKERS HALL RENOVATIONS AND ADDITION SUE Engineer. Sub to Holly & Smith Architects. This project involved ASCE 38-02 Quality Level A and B SUE services for all utilities for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.			
11/21 – 3/22	PROJECT NO. 20-2057 – LA 30 ROUNDABOUTS SUBSURFACE UTILITY INVESTIGATION (TANGER MALL AND I-10) SUE Engineer. This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.			
10/21 – 6/22	PURPERA AVENUE DRAINAGE IMPROVEMENTS SUE Engineer. This project involved a Topographic Survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.			
10/21 – 2/22	LA DOTD PROJECT NO. H.009266.5 – I-10: LA 73 - LA30 Project Manager. LA DOTD was preparing plans to widen I-10 from 4 to 6 lanes from LA 73 – to LA 30. This project involved Quality Level B SUE services at the LA73/I-10 interchange as well as Quality Level D services for the remainder of the project limits.			
1/20 – 11/20	LA DOTD PROJECT NO. H.002868.5 – I-49 SOUTH, AMBASSADOR CAFFERY & US 90 INTERCHANGE Project Manager/QA/QC. This project involved providing designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within the project limits. In this congested corridor, the first task required mapping subsurface utilities along several mile of the Ambassador Caffery and US 90 right-of-way. After the completion of the Quality Level B investigation, this information was compiled and reviewed to conduct Quality Level A services on critical utilities in an effort to further aid in the design process.			

1/18 – 5/20	<p>LA DOTD PROJECT NO. H.004100.5 – I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12</p> <p>Project Manager / QA/QC. This project involved records research (Quality Level D) and designating (Quality Level B) SUE throughout the 10-mile project corridor were part of this project. The team developed a comprehensive map based on record collection and discussions with utility representatives. The design team used the preliminary utility map for reference to determine larger systems to avoid during preliminary design.</p>
10/16 – 8/17	<p>LA DOTD PROJECT NO. H.010560.5 – ESSEN LANE WIDENING (ROUTE LA 3064), PERKINS ROAD TO I-10B</p> <p>Assistant Project Manager. This project involved designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within the project limits. This corridor is one of the most congested roads in Baton Rouge with utilities servicing business and medical facilities. All utilities inventoried were useful in helping the designer to fully understand the available space for the new construction and the impacts. Utility coordination services were provided to identify and resolve utility/design conflicts. Utility coordination was complicated due to the need to minimize right-of-way acquisition.</p>
7/15 – 12/21	<p>LA DOTD PROJECT NO. H.004273.5 – I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE)</p> <p>Project Manager/QA/QC. This project involved ASCE 38-02 Quality Level A and B services to map the underground utilities within the project limits spanning 7 miles of downtown Lafayette. Prior to Quality Level B activities, an extensive Quality Level D records-based map was created to aid in the preliminary design. This effort required multiple field leaders, detailed field data management, and constant oversight. After compiling the Quality Level B map, Quality Level A portion of the project was started in an effort to establish elevations on critical utility systems as well as unknown utilities found in the Quality Level B mapping. The overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor in combination with the Utility Coordination to keep utility owners aware of the mapping progress.</p>


16. Staff Experience:

FIRM EMPLOYED BY		SJB Group, LLC	
NAME	Matthew Estopinal, PE, PLS	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	2
TITLE	Principal-in-Charge	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	15
DEGREE(S) / YEARS / SPECIALIZATION		BS 2009 Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE #39151 / Louisiana / 3/31/2025 // PLS #004955 / Louisiana / 3/31/2025	
YEAR REGISTERED	PE 2014 // PLS 2006	DISCIPLINE	Civil Engineering // Land Surveying
Contract role(s) / brief description of responsibilities	Matthew will provide SURVEY/MOBILE LIDAR SERVICES for this contract. He has more than 17 years of experience as a professional land surveyor and 9 years as a Louisiana licensed professional civil engineer in transportation and community development related projects. He will manage all activity related to mobile LiDAR scanning, videography, processing of data, and production of digital elevation models.		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
03/22 - Present	LA 385: RYAN STREET INTERSECTION IMPROVEMENTS - LA DOTD PROJECT NO. H.012685.5 Project Manager. A topographic survey was required in Calcasieu Parish, Louisiana near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities with depths and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance is approximately 2.67 miles.		
02/22 - 06/22	LA 3021: DUAL TURN LANES @ LA 38 - LA DOTD PROJECT NO. H.014752.5 Project Manager / QA/QC. LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The survey was located at the intersection of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the survey limits. The project had a total linear distance of approximately 3,600 feet.		
11/21 - 12/21	CONWAY DEVELOPMENT TOPOGRAPHIC SURVEY FOR NOVUS REB ENGINEERING Project Manager. This project consisted of performing a topographic survey of a tract in the Conway development and is limited to running cross-sections through the topo limits. Shots were taken with the use of a robotic total station and 360d prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN.		
10/21 - Present	I-10: LA 415 TO ESSEN ON I-10 AND I-12 - LA DOTD PROJECT NO. H.004100.5 QA/QC. This project required a property survey along a 4.4 mile stretch of Interstate 10 from St. Joseph St. to College Dr. for the LA DOTD's I-10 widening project. Under previous IDIQ contracts and task orders, offeror performed a topographic survey of the I-10 and I-12 corridor, and prepared the property survey for the I-10 Widening Project. Offeror performed additional property surveys of specific areas identified by the project design team as requiring more information.		
07/21 - 10/21	BLACKWATER BAYOU BRIDGE - LA DOTD PROJECT NO. H.007963 Project Manager / QA/QC. This project required the replacement of a bridge structure and a diversion road during construction along LA Hwy. 410 in East Baton Rouge Parish. SJB provided a right-of-way map.		
07/21 - 02/22	UP RR CORRIDOR (PLAQUEMINE) - LA DOTD PROJECT NO. H.012851 Project Manager / QA/QC. SJB Group performed a complete topographic survey including all utilities, depths and drainage, along with finish floor elevations of all buildings that fell within the survey limits at the intersection of LA 1 and Bayou Rd., and the intersection of Bellevue Dr. and Railroad Ave.		
03/21 - 05/22	MOVEBR NICHOLSON SEGMENT 2 - CITY-PARISH PROJECT NO. 20-CP-HC-0032 Survey Project Manager. A topographic survey with scanning, property and right-of-way survey, and subsurface utility engineering were completed by SJB Group for this project.		



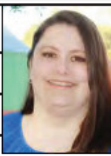
01/21 - 06/21	DES REGIONAL PUMP STATION #299 – EAST BATON ROUGE CITY/PARISH PROJECT NO. 20-PS-IF-0109 Project Manager/Surveyor of Record. This project required the topographic survey and property survey with the preparation of Right-of-Way maps for a force-main extension from the eastern end of Constantin Phase 2 (Dijon) to an existing Sewer Pump Station on the west side of Bluebonnet Blvd.
01/21 - Present	MOVEBR SYNCHRONIZATION & COMMUNICATION SIGNAL REBUILDS – GROUP 2 – CITY-PARISH PROJECT NOS. 20-TS-HC-0075 & 20-TS-HC-0080 Surveyor on Record. A topographic survey and right-of-way maps were included for six intersections.
09/20 - Present	MOVEBR PERKINS ROAD, SIEGEN TO PECUE – CITY-PARISH PROJECT NO. 12-CS-HC-0015 Project Manager / Surveyor on Record. A Topographic survey and right-of-way maps for Perkins Road from Siegen Lane to Pecue Lane was completed.
09/20 - Present	MOVEBR SHERWOOD FOREST MULTI-USE PATH – CITY-PARISH PROJECT NO. 20-EN-HC-0027 Project Manager. A topographic survey and engineering design were completed to improve pedestrian and bicycle mobility along S. Sherwood Forest by adding a multi-use path along the west side of the roadway from Mead Dr. to Old Hammond Hwy.
09/20 - Present	MOVEBR SHERWOOD FOREST SIDEWALKS – CITY-PARISH PROJECT NO. 20-EN-HC-0026 Project Manager. A topographic survey and engineering design were completed to improve pedestrian mobility along S. Sherwood Forest Blvd by adding a sidewalk along the west side of the roadway from Coursey to Mead Dr.
07/20 - Present	RURAL BRIDGE REPLACEMENT INITIATIVE - LA DOTD CONTRACT NO. 44-17597 Project Manager. Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61, and 62 as a sub-consultant. Each site required a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross sections of all drainage ways.
03/20 – 12/21	ST. FRANCISVILLE SEWER TREATMENT PLANT, PUMP STATIONS, AND FORCE MAINS Project Manager. The project includes a topographic survey and boundary and servitude maps for the force main route (approximately 8,000 linear feet), pump station, and treatment plant site.
02/20 – 07/21	MOVEBR PLANK ROAD CORRIDOR ENHANCEMENT SEGMENT 2 (DAWSON DRIVE TO HARDING) – CITY-PARISH PROJECT NO. 20-EN-HC-0033 Project Manager. A topographic survey was completed to improve pedestrian and cyclist mobility along Plank Road from Dawson Drive to Harding Boulevard.
01/18 - 12/18	I-49 LAKE CHARLES – LA DOTD PROJECT NO. H.004273.5 Liaison/Coordinator. This project required topographic and property/Right-of-Way surveying maps for the proposed I-49 improvements in Lafayette. While working for Stantec, Mr. Estopinal served as in-house coordinator and liaison between Stantec and sub-contractor firms performing the surveying work on the project.

16. Staff Experience:



FIRM EMPLOYED BY		SJB Group, LLC		
NAME	Phillip Dowden	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	26	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1985 Construction Management		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Phillip will provide SURVEY/MOBILE LIDAR SERVICES for this contract. He has more than 27 years of experience in the survey field. His experience includes land survey and powerline design, marine surveying, and boundary and ALTA surveys. Starting in 2005, Phillip has done marine surveying projects worldwide in the oil and gas industry. He also has experience in vessel offset surveys and calibrations for wind farms with extensive experience with GPS control. From 1999 to 2005, he served as a Party Chief for powerline surveys, land surveys including subdivision staking on boundary and layout, ALTA surveys, and large parcel land drainage surveys. Between the years 1997 and 1999, Phillip worked as an Instrument man and Party chief on marine surveying and vessel offset surveys with extensive experience with GPS.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/22 - Present	LSU SCIENCE ZONE Project Manager. This project involved a Topographic Survey and ASCE 38-02 Quality Level "D", Quality Level "C", Quality Level "B", and Quality Level "A" Subsurface Utility Engineering services for the LSU Science Zone. Sub to Infinity Engineering Consultants.			
11/22 - 4/23	CITY PARISH PROJECT NO. 20-CP-US-0099 - MOVEBR - AIRLINE HIGHWAY NORTH (FLORIDA BOULEVARD TO I-110) Project Manager. This project involved a Corridor LiDAR Survey and ASCE 38-02 Quality Level "D" SUE services. The Corridor LiDAR Survey was performed using Mobile LiDAR. Sub to Huval and Associates, Inc.			
10/22 - 12/22	OUR LADY OF THE LAKE CANCER CENTER Project Manager. This project involved a Limited Boundary Survey, Partial Topographic Survey, 3D scanning, and ASCE 38-02 Quality Level "D", Quality Level "C", and Quality Level "B" Subsurface Utility Engineering Services for a tract in the Theo Cangelosi Tract in Baton Rouge. Sub to Stantec.			
10/22 - 10/22	1508 W DUMBARTON SCAN Project Manager. This project involved 3D scanning, data processing, and point cloud creation for the exterior of a residence located on West Dumbarton Drive in Lake Charles, LA. A 3D scan of the entire lot using GeoSLAM was performed along with supplemental high-precision terrestrial scans with a FARO scanner as needed. Sub to Reich Landscape Architecture.			
9/22 - 4/23	LADOTD PROJECT NO. H.014886.5 - US90: TULANE AVENUE - DANZIGER BRIDGE Project Manager. This project involved a full Topographic Survey and a survey of all pavement to develop a pavement preservation study. This was accomplished using a Mobile LiDAR scanner. Sub to Stanley Consultants.			
8/22 - 8/22	EXXON REFINERY OFFICE COMPLEX SCAN Project Manager. This project involved 3D scanning, data processing, and point cloud creation for the Exxon Mobil Refinery Office Complex. These scans were performed using a FARO scanner. Sub to Reich Landscape Architecture.			
6/22 - 12/22	LA DOTD PROJECT NO. H.013716 - US 167 - CAMELLIA BOULEVARD-CHURCHILL DRIVE Project Manager. This project included a Topographic Survey, Mobile LiDAR scanning, and Right-of-Way Survey of the Camellia Boulevard and Churchill Drive intersection area. Sub to Digital Engineering & Imaging, Inc.			

5/22 – 9/22	LUTHER RESIDENTIAL DRIVEWAY Project Manager. Prime contractor. This project involved permitting assistance for a resident located on Highland Road in Baton Rouge, including application submittal, coordination with permitting officials, and any required exhibits. A GeoSLAM scan was performed on the house and surrounding property for use in the permit application.
10/21 – 4/22	LA DOTD PROJECT NO. H.010319.5 – I-110 NORTH TO PLANK ROAD Project Manager. This project involved ASCE 38-02 Quality Level C and D SUE services for all utilities on this LA DOTD project in East Baton Rouge Parish. Quality Level C and D services requires extensive records research to aid in the subsequent SUE design. Mobile LiDAR scanning and 3D scanning using Faro were also performed. Sub to Buchart Horn.
3/15 – 8/15	ALASKA 15 VESSELS Project Manager. Involved in the mobilization of 15 vessels included in the Shell arctic campaign, some of which required echoscope on ROVs.
2/15 – 3/15	GULF OF MEXICO OCEAN INTERVENTION Project Manager. Echoscope project where Mr. Dowden was involved in the mobilization of all the equipment. Unable to participate in offshore operations.
9/14 – 11/14	LAKE CHARLES PLANT SURVEY Project Manager. Echoscope project to analyze the erosion from plant runoff from culverts.
11/13 – 12/13	CAL DIVER IV Project Manager. Multibeam project which involved multiple locations for pre-site investigations in preparation future movements of 15 rigs. Completely surrounded five platforms and included searching for/monitoring scour around rig bases.
6/13 – 9/13	GULF OF MEXICO TRITON LIBERTY Project Manager. Multibeam project which involved multiple locations for pre-site investigations for future rig moves as well as searching for/monitoring scour around rig bases.
8/12 – 9/12	GULF OF MEXICO POLO PONY Project Manager. Multibeam project which involved multiple locations for pre-site investigations for future rig moves as well as searching for/monitoring erosion.
3/11 – 5/11	GULF OF MEXICO ADAMS CHALLENGE Project Manager. This was a platform removal project utilizing two ROVs. One had a mounted echoscope while the other ROV was under the mud mat of the platform excavating.
9/10 – 2/11	GULF OF MEXICO EPIC DIVER Project Manager. Multibeam project used to remove a downed platform from hurricane destruction. This was a project that resulted in a massive excavation with dimensions of 350' in dia. by 70' in depth. Continuous R2Sonic Multibeam work throughout. This also involved many vessels throughout the campaign.

16. Staff Experience:

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Karla E. Weston, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	18	
TITLE	President	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	6	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1999 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE #31010 / Louisiana / March 31, 2024		
YEAR REGISTERED	2004	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Karla will provide ROADWAY ENGINEERING SERVICES for this contract. She will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/16-09/19	H.003047 PECUE LANE/I-10 INTERCHANGE, BATON ROUGE, LA Principal-in-Charge for the firm's role as a sub-consult 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 has worked to oversee the firms design, coordinate with the prime consultant and government agencies.			
12/13 - 10/19	H.02960 GRAMERCY BRIDGE, ST. JAMES PARISH, LA Principal-in-Charge for the firm'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	H.010620 I-49 DESIGN BUILD, LAFAYETTE, LA QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.			
05/13 - 05/14	H.009288.5 LA 1 RAILROAD BRIDGE AT DOW, WBR PARISH, LA Principal-in-Charge for the firm's role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms 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, EBR PARISH, LA Principal in Charge for this project that 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.			
03/12 - 07/12	H.009104.5 - SUNSHINE BRIDGE PHASE 2 Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.			
05/11 - 04/12	RED RIVER - JACKSON STREET BRIDGE, ALEXANDRIA, LA Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.			
06/12 - 10/12	H.009986 - PATHS 2 PROGRESS. JEFFERSON, ORLEANS, PLAQUEMINES, ST. BERNARD AND ST. TAMMANY PARISHES - GROUP 33 Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.			
12/11 - 4/12	H.005902.5 - CONSULTING SERVICES FOR THE PERMANENT REPAIR TO FEDERAL AID ELIGIBLE ROADS AS A RESULT OF DAMAGE DUE TO HURRICANE KATRINA IN 2005. JEFFERSON, ORLEANS, PLAQUEMINES, ST. BERNARD AND ST. TAMMANY PARISHES - GROUP 29 Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.			
01/06 - 07/06	PICARDY AVENUE EXTENSION-CITY/PARISH OF EAST BATON ROUGE Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as wells as subsurface drainage design for approximately ½ mile.			

16. **Staff Experience:**

FIRM EMPLOYED BY		The Lakvold Group, LLC		
NAME	Angela Lemoine-Lakvold, MAI, SRA, R/W-AC	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	23	
TITLE	Real Estate Appraiser	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	13	
DEGREE(S) / YEARS / SPECIALIZATION		MBA 1998 // BS 1985 Business and Public Administration		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Real Estate Appraiser #G0575 LA 12.31.2023		
YEAR REGISTERED	1992	DISCIPLINE	General Real Estate Appraiser	
Contract role(s) / brief description of responsibilities	Angela will provide CONCEPTUAL STATE RELOCATION SERVICES for this contract. She holds the MAI and SRA designation from the Appraisal Institute and a Right-of-Way – Appraisal Certification from the International Right-of-Way Association. In addition to her extensive specialized appraisal education, she has experience with completion of appraisals and consulting services for mortgage lending, probate, expropriation, litigation, and project consulting. Angela meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 10. 			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/86 - 08/90	Staff Appraiser with LA Department of Transportation and Development			
09/90 - 03/93	Real estate appraiser			
04/93 - 03/99	Review appraiser and Manager of Real Estate Appraisal Services for First Commerce Corporation			
01/10 - Current	Completed appraisals and appraisal reviews on numerous right-of-way projects for federal, state, and local government entities.			
01/12 - Current	Completed several Conceptual Stage Relocation Plans as part of the Environmental Assessment for various projects.			

Former above ground waste oil storage tank locations

Former waste oil pits

Former waste oil ponds

★ Monitoring well locations

SECTION 17



17. Firm Experience:

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Bridge, Traffic
PROJECT NAME	I-49 INNER CITY CONNECTOR STAGE 0-1 STUDY & BRIDGE STUDY		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.00395	OWNER'S NAME	North Louisiana Council of Government	
PROJECT LOCATION	Shreveport, Louisiana		OWNER'S PROJECT MANAGER	Chris Petro
OWNER'S ADDRESS, PHONE, EMAIL		401 Market Street, Shreveport, LA 71101 318-841-5950 chris.petro@nlcog.org		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/10	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$3,000 (estimated)
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$969 (Stage 0-1)
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

When complete, this 3.5-mile route will provide the final nationwide link of I-49 by connecting the existing I-49/I-20 and I-49/I-220 interchanges.

For the Comprehensive Stage 0, IAR, and Environmental Study, **Stantec led the traffic study and impacts effort for the proposed new interstate link.** Several alternative routes were developed and tested to determine how they match up to the overall purpose and need for the project. In order to determine the regional influence of each route, Stantec used the Regional Travel Demand Forecasting Model supplied by the Northwest Louisiana Counsel of Governments (NLCOG), representing the local Metropolitan Planning Organization (MPO). Stantec compared results of potential alternatives routes with existing and No-Build options to demonstrate the effect of each option on the proposed I-49 route and regional network.

The environmental process and study is ongoing and public involvement for the I-49 Inner-City Connector has been critical, as potential corridors run through a traditionally low-income environmental justice (EJ) neighborhood. Stantec is providing input to concept development and evaluation, development of environmental investigations, and the **context sensitive solution (CSS) design elements** for the project. Stage I included a comprehensive traffic study of the alternatives and their impact on the street network adjacent to the proposed I-49 route for the Environmental Assessment. Also, an Interchange Justification Report (IJR) has been developed for the I-49 / I-220 interchange and an Interchange Modification Report (IMR) has been completed for the I-49/I-20 interchange. The IMR and IJR analyzed key points within the interchange and key points along the proposed route and adjacent intersections within the Area of Influence as designated by LADOTD and FHWA. To begin the traffic analyses, each alternative was input into the NLCOG Regional Travel Demand Forecasting Model to determine its effect on the regional network. A decision was made later to study LA 3132 as an alternative route for connecting I-49 within Shreveport to the potential I-49 Inner City Connector between the I-220 and I-20 interchanges. After incorporating the LA 3132 alternative into the analyses, the total traffic analyses effort performed by Stantec includes the following: **7 TransCad Models, 23 interchanges along I 49, I-20, I-220 and LA 3132, 65 intersections, and over 5000 analyses points.**

The Bridge study has consisted of an investigation of various alternatives of the superstructure and substructure bridge elements for the proposed new interstate link and the interchanges. The study focused on selecting alternatives that would meet the CSS aesthetics requirements and be efficient and sound from a structural design perspective, cost effective and suitable for construction. A full layout showing the spans arrangement and the proposed locations for the substructure elements has been developed for the interstate link and the interchanges. The investigated superstructure options has consisted of the precast prestressed concrete LU and/or LG girders option and the steel trapezoidal twin girder option. The substructure options has comprised hammerhead single columns, two column bents and pile bents.

Stantec is also performing the Line & Grade Study for a new alternative that is focused on avoidance of significant ROW impacts, environmental constraints to the physical and natural environment, providing network connectivity and efficient traffic operations. Line & Grade tasks also include interchange design with consideration of ROW & major utility impacts, existing topography, current & planned development, historic structures and boundaries, and Signal spacing & Control of Access Policy considerations.

TEAM MEMBERS INVOLVED: S. WALLACE, J. LEFANTE, S. MENSAH, B. JOHNSON, J. CAINS, N. PRUDHOMME, C. HALL, J. BARKER

TASK RELEVANCE:

- ☒ IJR and IMR
- ☒ Line and Grade Study
- ☒ Traffic Analysis
- ☒ Bridge Study
- ☒ Environmental Study with EJ Considerations
- ☒ Context Sensitive Solution (CSS) Elements
- ☒ Stakeholder Coordination and Public Meeting

17. Firm Experience:

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Road, Bridge, Traffic, Environmental
PROJECT NAME	I-10/LOYOLA INTERCHANGE DESIGN-BUILD PROJECT		FIRM RESPONSIBILITY (prime or sub?)	Sub (Design Lead)
PROJECT NUMBER	H.0011670	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	Kenner, Louisiana		OWNER'S PROJECT MANAGER	Timothy Nickel
OWNER'S ADDRESS, PHONE, EMAIL		1201 Capital Access, Baton Rouge, LA 70808 225-379-1110 timothy.nickel@la.gov		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	08/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$125,591
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$9,039.1

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.

Stantec is serving as the Lead Design Engineer for this Design-Build project which provides improvements to Interstate 10 (I-10), Loyola Drive north of I-10, as well as improvements south of I-10 connecting to the terminal access road for the new airport terminal (MSY). 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. The Design-Builder's ATC required the completion of the **Interchange Modification Report (IMR)** and a **Reevaluation of the Environmental Assessment**. Stantec's traffic engineers completed the base traffic model in VISSIM and evaluated the DDI and the interchange area with the same measures of effectiveness used to evaluate the no-build and other project alternatives. The traffic analyses performed showed that the alternative improved operations at opening and in the design year. Stantec also evaluated the **critical geometry, striping, signing, and provided a safety analysis** and the final documentation addressing FHWA's 8 Policy points. 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 also developed 3D renderings of the project using **OpenRoads** software as the main tool to visualize the project from a real-life perspective. Stantec assisted DOTD with the reevaluation by providing a matrix of impacts, costs, and answers to public comment. Stantec optimized the interchange geometry to eliminates impacts to as many residences and businesses as possible and avoided impacts to a local park and vital health treatment facility.

Project also includes ramp and auxiliary lane improvements for I-10, Noise Walls along I-10, widening of the airport access road, utility coordination and relocations, new lighting, and right of way acquisition.

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

TASK RELEVANCE:

- ☒ Interchange Modification Report (IMR)
- ☒ Tight Urban Diamond Interchange on I-10
- ☒ Traffic Analyses
- ☒ Auxiliary Lanes and Ramp Improvements
- ☒ EA Reevaluation, Public Meeting and Stakeholder Coordination



17. Firm Experience:

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Planning, Environmental, Data Collection, Road, Bridge, Traffic, Right-of-Way
PROJECT NAME	I-526 LOWCOUNTRY CORRIDOR WEST		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	FHWA-SC-EIS-22-01-F, P027507	OWNER'S NAME	South Carolina Department of Transportation	
PROJECT LOCATION	Charleston, South Carolina		OWNER'S PROJECT MANAGER	Chad Long
OWNER'S ADDRESS, PHONE, EMAIL	955 Park Street, Columbia, SC, 29202 803-737-1396 LongCC@scdot.org			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	04/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$15,000.0
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$7,000.0

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

Stantec is supporting Environmental Justice efforts on this high profile mega-project in Charleston, South Carolina.

The proposed project includes over nine miles of widening along I-526 and reconfiguration of the I-526/I-26 interchange. I-526 serves multiple roles as a bypass of the Charleston metropolitan area as well as the primary connection to I-26 south into the downtown Charleston area. The freeway also provides east-west connections between the Charleston International Airport, Boeing, and Fed-Ex and South Carolina Ports Authority's container terminals. I-526 and the I-26/I-526 interchange experiences extreme congestion and a high crash rate during peak hours. The purpose of the project is to improve traffic flow, access, safety along the project corridor.

The project is set in a densely developed area of North Charleston with a history of transportation impacts on neighborhoods surrounding the I-526/I-26 interchange. These neighborhoods were impacted by the original construction of I-26 and I-526 and would incur additional impacts from the current project. Without comprehensive mitigation, the project would result in disproportionately high and adverse impacts to Environmental Justice (EJ) populations.

Stantec is leading EJ community engagement activities including Community Advisory Council (CAC) meeting facilitation, staffing the Community Office, and conducting one-on-one meetings with EJ neighborhood residents. We also conducted a social needs assessment, visual preference survey, mitigation plan workshops, and other community meetings to help shape the EJ Community Mitigation Plan. Stantec will also support implementation of the EJ Community Mitigation Plan over the next five years.

Our planning work also includes development of an EJ Analysis, EJ Community Mitigation Plan, Community Infrastructure Enhancement Plan, Community Impact Assessment (CIA), Indirect and Cumulative Effects (ICE) Assessment, a Section 4(f) Evaluation, and Section 6(f) coordination and documentation, in addition to preparing a Draft Environmental Impact Statement (EIS) and Final EIS/Record of Decision (ROD). Additional Stantec work on this project includes traffic studies, air and noise analyses, roadway and bridge design, hydraulic design, railroad coordination, and an interchange access report (IAR), among other tasks.

TEAM MEMBERS INVOLVED: S. HOFFELD, A. SACKAROFF, H. CLEMENTS, M. MARTIN

Stantec team member Amy Sackaroff facilitating the identification of EJ mitigation measures by the Community Advisory Council.

TASK RELEVANCE:

- ☒ Freeway project within multiple interchanges
- ☒ Regional freight route with port connectivity
- ☒ EJ Environmental Justice engagement and analysis
- ☒ Indirect and cumulative effects assessment
- ☒ Community impact assessment
- ☒ Public engagement



17. Firm Experience:

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 for FHWA NEPA evaluation. While working for another firm, Scott Hoffeld managed the Stage 1 process and FONSI, **receiving an FHWA EA FONSI within 7 months following NTP**. This was enabled by his collaboration with LADOTD to allow early environmental field work, and special agency milestone review workshops. 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, including work zone **safety analysis** and mitigation strategies.

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

TASK RELEVANCE:

- ☒ Interchange Modification Report (IMR)
- ☒ Traffic & Safety Analyses
- ☒ Multiple Interchange Alternatives (TUDI)
- ☒ Line & Grade Study
- ☒ Environmental Assessment
- ☒ Public Meeting and Stakeholder Coordination



17. Firm Experience:

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IIES)*	Road, Traffic
PROJECT NAME	I-49 LAFAYETTE CONNECTOR		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	H.004273.5 (4400004128)	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	Lafayette, Louisiana		OWNER'S PROJECT MANAGER	Stephen Glascock
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)		\$32,500
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$17,000

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

Connecting communities is what the I-49 Connector project is all about.

Stantec serves as the Prime Consultant and Program Manager for the 5.5 mile elevated six-lane highway, it will traverse urban Lafayette, Louisiana from I-10 south to its end near the Lafayette Regional Airport. The overall project includes construction of a freeway with accompanying interchanges in the Evangeline Thruway / US 90 / US 167 corridor and flanking frontage roads for local traffic circulation and land access. A critical transportation link, the I-49 Connector will connect existing I-49 with new interstate mileage through Lafayette and on to New Orleans.

LADOTD began planning for the project in 1990 and after an alternative was selected the project was put on hold in 2006. When LADOTD re-started the project in 2015, Stantec embraced the opportunity to help weave the project into the neighborhood fabric and engage the community in creating a true community asset. In the fall of 2015, LADOTD decided to re-engage the community in a Context Sensitive Solution process to re-configure the project to meet current expectations.

Stantec's early alternatives refinements included the modeling/evaluation that led to the elimination of 2 major interchanges and creating a frontage road / slip ramp configuration that reduced project costs by ~\$400M. Numerous other project elements have been evaluated during the technical vetting of the full field of composite alternatives that have included alternate ramp locations, typical sections, intersection treatments, interchange options as well as multiple composite alternatives.

The extensive Context Sensitive Solution process began in 2016 and has largely been completed as of 2023, allowing refinement of two main alternatives along a common alignment: **a mainline with extensive frontage roads with Signals; and that same alternative with primarily roundabouts.** Both maintain the connectivity of existing Evangeline Thruway while adding the mobility needs of Future I-49. Stantec is currently assisting LADOTD in determining the delivery phasing and methods for the project elements, which includes an initial, expedited construction phase for which a new 2003 ROD Reevaluation is currently underway. This reevaluation requires traffic modeling of a partially constructed corridor and phased construction traffic controls. The ultimate build-out of the future I-49 Connector corridor will include 4 interchanges, spanning from I-10 to the airport on which a full Supplemental EIS is also underway. This SEIS will incorporate guidance from the **CSS process and a thorough environmental justice (EJ) analysis in compliance with FHWA's current methodology** and expectations, which have changed notably since the 2003 ROD. Among other ROD Reevaluation and SEIS issues is the structural design challenge posed by a contaminated former UP Railroad yard site in the proximity of the elevated mainline's pier foundations. **LADOTD has contracted with Terracon for Phase II ESA environmental testing** to augment the ROD Reevaluation and SEIS Phase I ESA activities. Terracon testing is ongoing, and the Stantec Team has coordinated with the Terracon team in identifying the optimum testing locations for the Stantec team's subsurface structural foundation plans for the elevated roadway.

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

TASK RELEVANCE:

- ☒ Traffic & Safety Analyses
- ☒ Multiple Interchange Alternatives
- ☒ Environmental Impact Statement
- ☒ Context Sensitive Solution (CSS) Elements
- ☒ Line & Grade Study



17. Firm Experience:

FIRM NAME	Terracon Consultants, Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Environmental
PROJECT NAME	LAFAYETTE URBAN SECTION (I-49 LAFAYETTE CONNECTOR) PHASE II ESA, LAFAYETTE PARISH		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.004273.5	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	Lafayette, Louisiana		OWNER'S PROJECT MANAGER	Timothy Nickel, P.E.
OWNER'S ADDRESS, PHONE, EMAIL		1201 Capital Access Road, Baton Rouge, LA, 70802; 225-242-4530; timothy.nickel@la.gov		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	06/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$192
SERVICES COMPLETED BY THIS FIRM (MM/YY)	03/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$166
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

The proposed I-49 alignment alternatives go through an area along SW Evangeline Thruway and Johnson Street in Lafayette, Louisiana. Known historical contamination exists in this area, and the I-49 alignment project may require interaction with the contaminated area for various land uses and design requirements such as foundations. As such, Terracon prepared and submitted a RECAP Site Investigation Workplan to LDEQ for their review and approval. The site investigation aims to determine the current subsurface site conditions to appropriately plan future design and construction work. LDEQ approved the work plan. The implemented work plan involved installing thirteen soil borings with conversion to temporary wells to collect soil and groundwater samples. Free product was observed during field activities. Terracon prepared a supplemental work plan to delineate the free product, which was approved by LDEQ and subsequently implemented. As part of the supplemental investigation, an additional nine borings were installed. Three of the borings were converted to temporary wells. Based on the findings of the supplemental investigation, Terracon was able to determine the extent of the free product. Upon completion of field activities, Terracon completed a Site Investigation Report detailing Terracon's field activities, findings, recommendations, and conclusions.

TEAM MEMBERS INVOLVED: **Diana Day**



17. Firm Experience:

FIRM NAME	Terracon Consultants, Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IIES)*	Environmental
PROJECT NAME	NELSON ROAD EXTENSION & BRIDGE AND WEST SALLIER STREET IMPROVEMENTS		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.005967.2	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	Lake Charles, Louisiana		OWNER'S PROJECT MANAGER	Robert Lott
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA, 70802; 225-242-4504; robert.lott@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/11	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	03/18	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$194.5

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

In 2011 Terracon Consultants, Inc. (Terracon) was retained by Stantec (formerly ABMB Engineers, Inc) based on qualifications to conduct a Phase I Environmental Assessment (ESA), a Limited Site Investigation (LSI), and a Noise Impact Assessment on the Nelson Road Extension & Bridge and West Sallier Street Improvements in Lake Charles, Louisiana. After the project commenced, Terracon was also requested to provide services relating to the Environmental Assessment (EA).

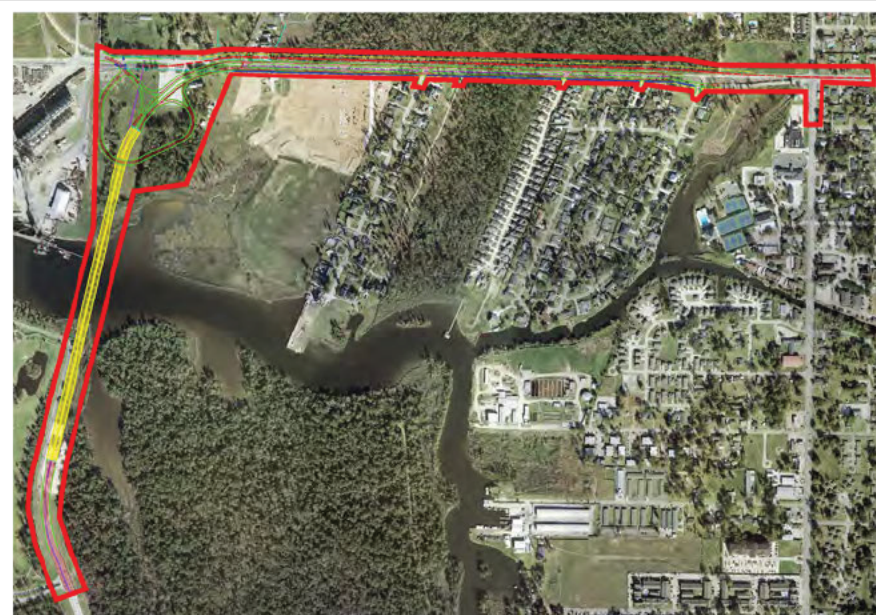
The Phase I ESA was completed in accordance with ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. During the ESA, the on-site former Micelle meat packing plant facility was identified as a Recognized Environmental Condition (REC) due to documented contamination of the soil and characteristics observed during the site reconnaissance. An LSI was conducted in response to the Phase I ESA and did not identify additional contamination.

A Noise Impact Assessment was also conducted in compliance with 23 USC Section 109(h) and (i), the Federal Highway Administration (FHWA) established guidelines for the assessment of highway traffic-generated noise.

The Environmental Assessment (EA) was conducted in accordance with the National Environmental Policy Act (NEPA), FHWA, and Louisiana Department of Transportation and Development (LADOTD) policies. FHWA/LADOTD was identified as the lead agency. However, the components of the project were anticipated to be led by the City of Lake Charles (W. Sallier Improvements) and the Port of Lake Charles (railroad relocation). An open house public meeting was held in September 2013 to provide information about the project to the public and solicit input. Subsequently, a draft EA document was completed, containing a purpose and need of the project, alternatives, a description of the project area, environmental consequences of the alternatives, and permits required.

Revisions to the initial draft EA were initiated based on comments received from the public and cooperating agencies, such as the US Coast Guard. A revised draft EA was issued for public review and comment in August 2017 and was followed by a public hearing. The final EA document submitted to LADOTD and FHWA in November 2017 included the final comments. FHWA issued a FONSI in February 2018.

TEAM MEMBERS INVOLVED: **Diana Day, Stephen Osborne**



17. Firm Experience:

FIRM NAME	Terracon Consultants, Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Geotechnical, Environmental
PROJECT NAME	RALEIGH-DURHAM INTERNATIONAL AIRPORT LUMLEY ROAD RELOCATION		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.013122	OWNER'S NAME	Raleigh-Durham International Airport (Raleigh-Durham Airport Authority)	
PROJECT LOCATION	Raleigh Durham, North Carolina		OWNER'S PROJECT MANAGER	Jim Novak PE
OWNER'S ADDRESS, PHONE, EMAIL		1000 Trade Dr, Morrisville, NC 27560, 919-840-7747, jim.novak@rdu.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$407.4
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

Terracon was retained for the relocation of Lumley Road to accommodate a runway expansion. This project will consist of relocating approximately 4,500 linear feet of Lumley Road at the crossing of Mt. Herman Road between I-540 and US 70 and relocating approximately 1,500 feet of Commerce Boulevard at the intersection with Lumley Road. A portion of the project includes roadway construction on or adjacent to the Ward Transformer site, which is on the National Priorities List (Site ID# NCD003202603). Based on an initial review of electronic files maintained by the North Carolina Department of Environmental Quality (NCDEQ), the Ward Transformer Company operated a facility that handled transformers, switchgear and other types of electrical equipment from 1964 to 2006. The Environmental Protection Agency (EPA) placed the site on the National Priorities List (NPL) in 2003 because of contaminated fish tissue, sediment and soil caused by facility operations. Since that time, multiple site investigations and remediation activities have occurred, however known contaminated soil remains on the site within capped material. Due to the contaminated soil and the roadway design, Terracon developed a Work Plan and a Health and Safety Plan (HASP) to be implemented during our geotechnical investigation.

Terracon then successfully conducted the geotechnical investigation under the guidance of the HASP at twelve (12) locations among the proposed alignments. Samples were collected from each boring to perform Standard Penetration Tests (SPT) or Proctor and California Bearing Ratio (CBR) testing. Before the boreholes were abandoned, a 24-hour groundwater level measurement were taken at each of the boreholes. Terracon collected samples of the investigation-derived waste for waste characterization through laboratory analysis. The soil and water analytical results was compared to the NCDEQ Contained-In Policy to determine proper disposal methods.

Terracon's ownership of multiple drill rigs and vicinity to the project site allows the Terracon team to perform the requested services for the Raleigh-Durham Airport Lumley Road Relocation efficiently. Our Environmental and Geotechnical department work in the same office allowing for streamlined communication efforts.

As the roadway and runway expansion design continued following the geotechnical investigation, Terracon was requested to aid the Raleigh-Durham International Airport and their subcontractors in preparation for construction activities within the NPL site. This includes but is not limited to the creation of a construction-wide Materials Management Plan to guide the handlings of contaminated media during construction as well as continue regulatory coordination with the EPA, NCDEQ Superfund, NCDEQ Brownfields and other interested parties.

TEAM MEMBERS INVOLVED: Abner Riggs, Jr., Allison Stenger



17. Firm Experience:

FIRM NAME	Franklin Associates		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Planning, Other (Public Engagement)
PROJECT NAME	I-10 (LA 415 TO ESSEN LANE ON I-10 AND I-12) STAGE 0		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.004100.1	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	East Baton Rouge and West Baton Rouge Parishes, Louisiana		OWNER'S PROJECT MANAGER	Nick Olivier
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 70802, 225-379-1197, nicholas.olivier@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/06	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$2,079
SERVICES COMPLETED BY THIS FIRM (MM/YY)	12/11	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$324

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

Conduct outreach and public meetings for potentially affected homeowners and business owners to provide updates on the project's status, relevant timelines and gain public feedback. Franklin was a sub to the transportation engineering firm for DOTD's Stage 0 (feasibility study) and Stage 1 (NEPA EA) for this project. Franklin identified and conducted in-person meetings with six different groups of project stakeholders including elected officials, corridor residents, corridor businesses, regional institutions, and more. These group meetings continued through both project phases, although membership of each group did fluctuate over the five years of project duration. Also during both stages, three rounds of public meetings were conducted in venues on both sides of the Mississippi River to conveniently accommodate concerned citizens and business owners. Turnout was robust throughout the course of the project as the interstate system through Baton Rouge is often congested and is of concern to all. Franklin enlisted the services of LSU's Public Policy Research Lab in 2015 to conduct two statistically relevant surveys. The first was a telephone survey of 655 randomly selected residents and the second was a survey of 325 businesses located within five miles of the corridor along the length of I-10 / I-12 between Lake Charles and Slidell, Louisiana. Results of these two surveys corroborated the results of general public input at the in-person meetings, and the results of an anecdotal online survey launched by Franklin which received over 13,800 responses due to promotion on the project website, on local television news, through email marketing campaigns to stakeholder lists, and through various social media accounts. The project concluded with FHWA's issuance of a FONSI (Finding of No Significant Impact) in February of 2021 for the NEPA study of interstate lane additions, ramp modifications and associate surface street improvements contained in this project, and the Franklin team has since assisted in the CMAR Design team outreach and education efforts in final design and implementation phases post-FONSI.

TEAM MEMBERS INVOLVED: **Risa Mueller, James Taylor**



17. Firm Experience:

FIRM NAME	Franklin Associates		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Planning, Other (Public Engagement)
PROJECT NAME	I-10 (LA 415 TO ESSEN LANE ON I-10 AND I-12) STAGE 1		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.004100.2	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	East Baton Rouge and West Baton Rouge Parishes, Louisiana		OWNER'S PROJECT MANAGER	Nick Olivier
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 70802, 225-379-1197, nicholas.olivier@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/06	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$3,014
SERVICES COMPLETED BY THIS FIRM (MM/YY)	12/20	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$262

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

Conduct outreach and public meetings for potentially affected homeowners and business owners to provide updates on the project's status, relevant timelines and gain public feedback. Note: The project concluded with FHWA's issuance of a FONSI (Finding of No Significant Impact) in February of 2021 for the NEPA study of interstate lane additions, ramp modifications and associate surface street improvements contained in this project, and the Franklin team has since assisted in the CMAR Design team outreach and education efforts in final design and implementation phases post-FONSI.

TEAM MEMBERS INVOLVED: Risa Mueller, James Taylor



17. Firm Experience:

FIRM NAME	Franklin Associates		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Planning, Other (Public Engagement)
PROJECT NAME	LA 3132 (INNER LOOP) EXTENSION STAGE 1		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.009213.2	OWNER'S NAME	Northwest LA Council of Governments	
PROJECT LOCATION	East Baton Rouge and West Baton Rouge Parishes, Louisiana		OWNER'S PROJECT MANAGER	Kent Rogers
OWNER'S ADDRESS, PHONE, EMAIL	625 Texas Street, Suite 200, Shreveport, LA 71101, 318-841-5950, kent.rogers@nlcog.org			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	08/14	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$1,467
SERVICES COMPLETED BY THIS FIRM (MM/YY)	06/20	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$38

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

Franklin Associates has assisted the prime project engineering firm and NLCOG with identifying and conducting project stakeholder group meetings which informed project designers in advance of general public meetings. Franklin then scheduled, advertised, facilitated and documented two rounds of public meetings at venues near the project corridor convenient to local residents and businesses. At least four separate alignments for the highway were considered, which will enhance service to the Port of Caddo-Bossier and a future interstate linking I-49 south of Shreveport to Minden and I-20. Public input helped to refine and clarify the selection of the project's preferred solution. The project is currently on pause, awaiting a time when authorities believe it is safe to hold an in-person public hearing event.

TEAM MEMBERS INVOLVED: Risa Mueller, James Taylor



17. Firm Experience:

FIRM NAME	SJB Group, LLC	PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Survey, Other (Subsurface Utility Eng.)
PROJECT NAME	HOOPER ROAD WIDENING (LA 3034-LA 37)		FIRM RESPONSIBILITY (prime or sub?) Prime
PROJECT NUMBER	H.009300.5	OWNER'S NAME	Louisiana Department of Transportation & Development
PROJECT LOCATION	East Baton Rouge Parish, Louisiana	OWNER'S PROJECT MANAGER	Steve LeBlanc
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1292; Steve.LeBlanc2@LA.gov		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	3/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)	\$201.1
SERVICES COMPLETED BY THIS FIRM (MM/YY)	9/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)	\$201.1

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

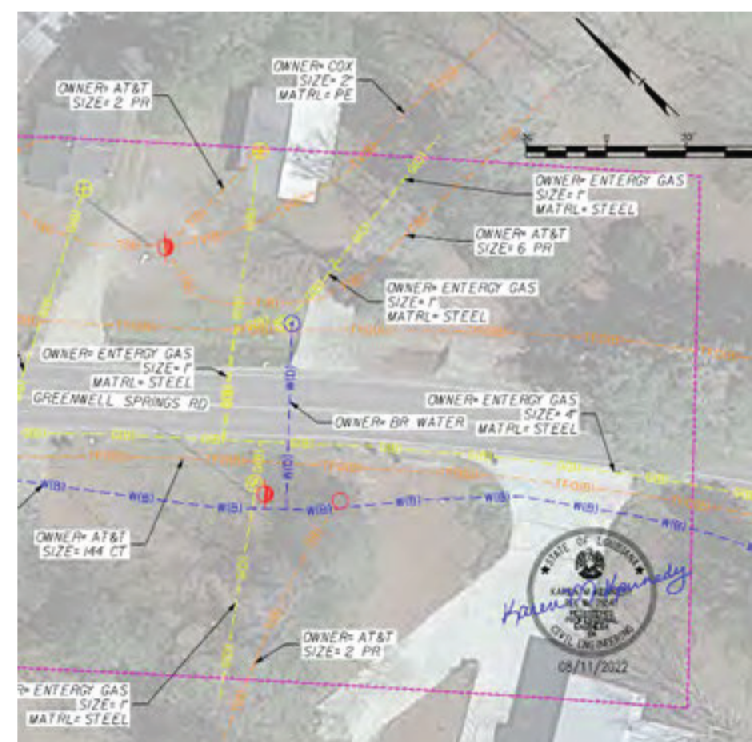
SJB Group has performed several iterations of topographic survey and subsurface utility engineering (SUE) for LA DOTD for the Hooper Road widening project. This submittal included the segment of Hooper Road from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37).

A complete topographic survey including all utilities with depths, all drainage, and finish floor elevations of all buildings that fell within the limits was completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

The project also required ASCE 38-02 Quality Level "D", "C", and "B" services throughout portions of the project limits. Utilities included water, gas, telephone, cable, and fiber optic. Above ground topographic features were surveyed by SJB Group. This information and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and above ground surveyed features. Due to the iterations of the project, additional utility records were analyzed to determine new utilities installed along the roadway to be added to the previous records and plans..

FIRM'S RESPONSIBILITIES: Topographic Survey, SUE Quality Level "D", SUE Quality Level "C", SUE Quality Level "B"

TEAM MEMBERS INVOLVED: Matthew Estopinal, Karen Kennedy, Austin LaCombe



17. Firm Experience:

FIRM NAME	SJB Group, LLC		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Other (Subsurface Utility Eng.)
PROJECT NAME	LA 30: EBR PL- I-10		FIRM RESPONSIBILITY (prime or sub?)	Sub to MBI
PROJECT NUMBER	H.031797	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	Ascension, Iberville and East Baton Rouge Parish, Louisiana		OWNER'S PROJECT MANAGER	Michael Baker International/ LADOTD
OWNER'S ADDRESS, PHONE, EMAIL		2600 Citiplace Drive, Baton Rouge, LA 70808, 225-218-2846, Daniel.thornhill@mbakerintl.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	04/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$74
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$74
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

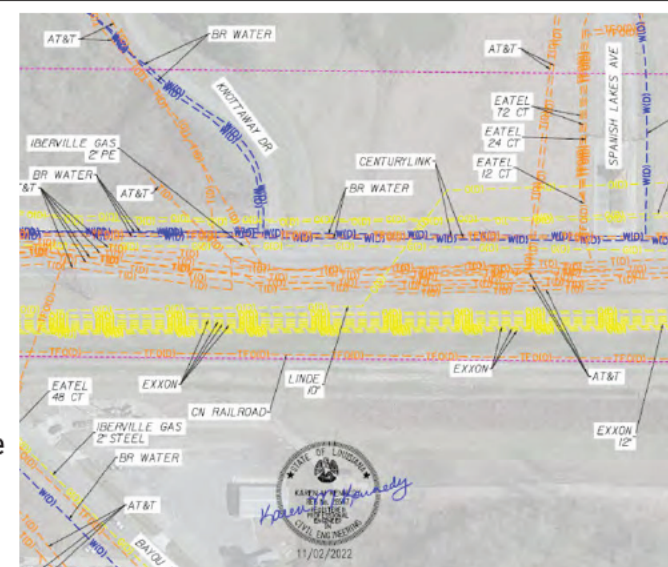
SJB Group performed subsurface utility engineering (SUE) as a sub-consultant to Michael Baker, Inc. to further the feasibility studies of the LA 30 corridor from the East Baton Rouge Parish Line to I-10 in Gonzales. This corridor is a key industrial corridor for rail and freight traffic and is in need of significant additional roadway capacity. Careful planning is required to ensure a successful project addressing all potential impacts including existing utilities which is often times the driving factor in the design of a project.

This project required ASCE 38-02 Quality Level D services throughout the entire project limits. Due to the significant number of pipelines within the corridor, SJB also conducted field observations to determine the order of the pipelines within the right-of-way. These field observations of pipeline markers resulted in several additional pipelines being identified beyond the records that were received.

SJB also assisted in stakeholders' meetings, GIS, and LIDAR services. SJB developed the property boundary maps by obtaining parcel shape files and converting them to State Plane Coordinates. SJB also reviewed the LIDAR data provided by LA DOTD to confirm that accurate and sufficient data was provided as necessary for the development of design alternatives.

FIRM'S RESPONSIBILITIES: **Subsurface Utility Engineering (SUE)**

TEAM MEMBERS INVOLVED: **Karen Kennedy, Austin LaCombe, Matt Estopinal,**



17. Firm Experience:

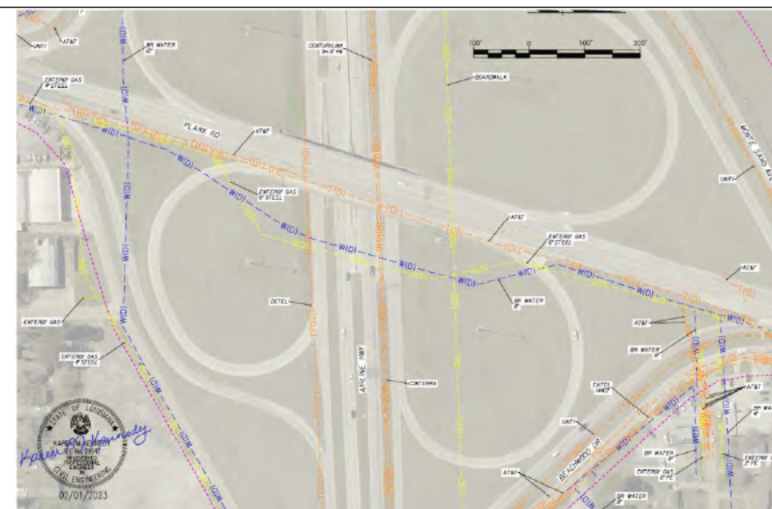
FIRM NAME	SJB Group, LLC		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Survey, Other (Subsurface Utility Eng.)
PROJECT NAME	MOVEBR – AIRLINE HIGHWAY, NORTH		FIRM RESPONSIBILITY (prime or sub?)	Sub to Huval
PROJECT NUMBER	20-CP-US-0099	OWNER'S NAME	Huval and Associates/ LADOTD	
PROJECT LOCATION	East Baton Rouge Parish, Louisiana		OWNER'S PROJECT MANAGER	Glenn McCall, PE
OWNER'S ADDRESS, PHONE, EMAIL		6700 Jefferson Highway Building 12 Suite C Baton Rouge, LA 70809; (225) 800-9590; gmccall@huvalassoc.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	10/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$158
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$158
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

SJB Group performed a Mobile LiDAR Survey and Subsurface Utility Engineering (SUE) for the MoveBR Airline Highway, North project in East Baton Rouge Parish, Louisiana as a sub-consultant to Huval and Associates. This project will provide much needed additional capacity for this region providing an additional lane both north and south the length of the corridor. Due to the heavy development and congestion of utilities within this area, a comprehensive LiDAR Survey and Subsurface Utility investigation were critical for the planning and design of the project to accurately prepare the roadway design and analyze utility impacts.

This project required ASCE 38-02 Quality Level D services throughout the entire project limits. The utilities within this corridor were numerous. SJB completed Mobil LiDAR scanning for a portion of the project. The use of Mobile LiDAR in lieu of traditional topographic survey allowed the identification of above ground topographic features in a timely and safe manner.

FIRM'S RESPONSIBILITIES: Mobile LiDAR Survey, SUE Quality Level "D"

TEAM MEMBERS INVOLVED: Matthew Estopinal, Karen Kennedy, Austin LaCombe, Tyler Foster, Phillip Dowden



17. Firm Experience:

FIRM NAME	The Lakvold Group, LLC		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Appraiser
PROJECT NAME	US 80 WIDENING: VANCIL ROAD TO WELL ROAD		FIRM RESPONSIBILITY (prime or sub?)	Sub to CSRS, Inc.
PROJECT NUMBER	H.009932	OWNER'S NAME	Louisiana Department of Transportation & Development (Billing Client: CSRS, Inc.)	
PROJECT LOCATION	Ouachita Parish, Louisiana		OWNER'S PROJECT MANAGER	Noel Ardoin
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 70802, 225-242-4501, noel.ardoin@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	05/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		Unknown
SERVICES COMPLETED BY THIS FIRM (MM/YY)	08/19	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$7.2

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

Firm's Role: Completed Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the projects area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Project Management and Final Transportation Study Deliverables: These tasks included completing the Conceptual Stage Relocation Report for review and inclusion in the Environmental Assessment.

TEAM MEMBERS INVOLVED: Angela Lemoine-Lakvold and support staff



17. Firm Experience:

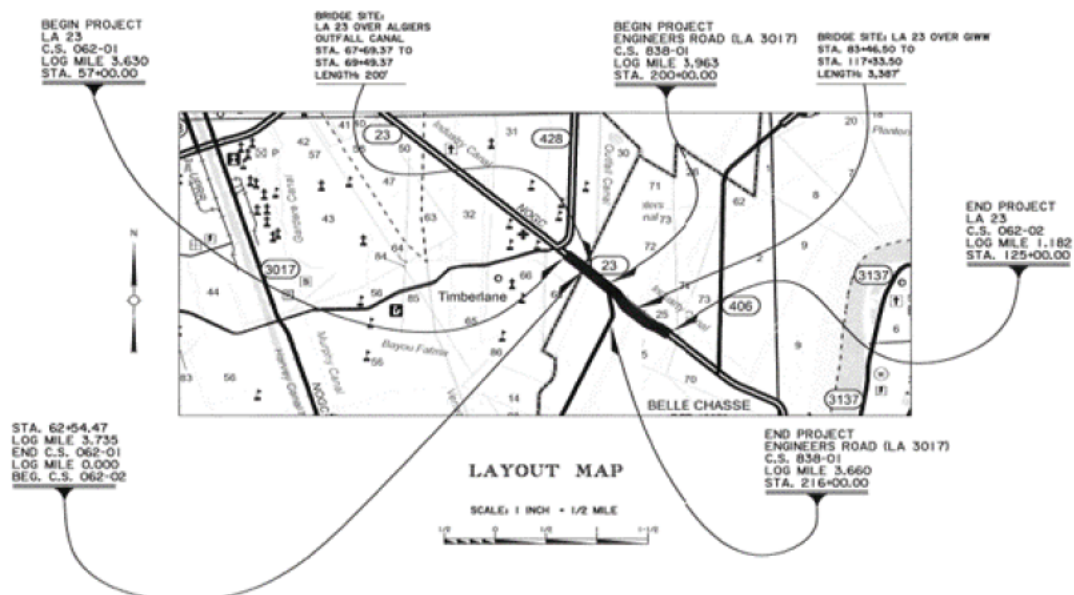
FIRM NAME	The Lakvold Group, LLC		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Appraiser
PROJECT NAME	BELLE CHASSE BRIDGE AND TUNNEL		FIRM RESPONSIBILITY (prime or sub?)	Sub to CSRS, Inc.
PROJECT NUMBER	H.0049791	OWNER'S NAME	Louisiana Department of Transportation & Development (Billing Client: CSRS, Inc.)	
PROJECT LOCATION	Jefferson Parish and Plaquemines Parish, Louisiana		OWNER'S PROJECT MANAGER	Noel Ardoin
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 70802, 225-242-4501, noel.ardoin@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	11/20	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		Unknown
SERVICES COMPLETED BY THIS FIRM (MM/YY)	03/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$120

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

Firm's Role: Completed appraisals for the acquisition of the right-of-way for the construction of the project.

Project Management and Final Transportation Study Deliverables: These tasks included meeting with property owners, cost consultants, and project managers. Analysis and research of the real estate market and completion of individual appraisals on the various parcels.

TEAM MEMBERS INVOLVED: Angela Lemoine-Lakvold and support staff



17. Firm Experience:

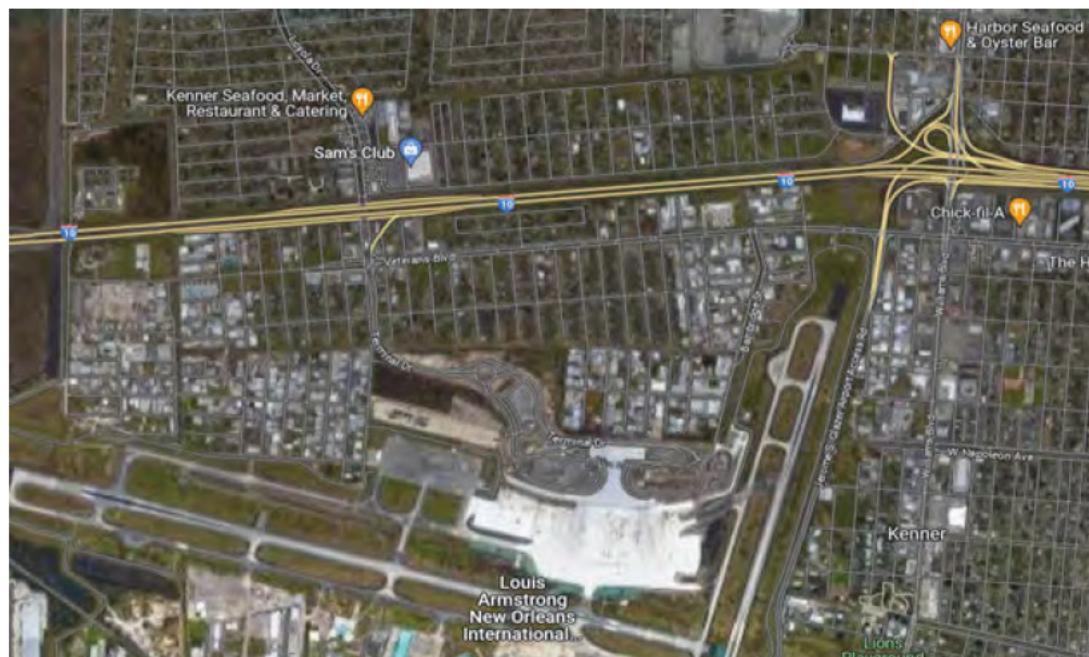
FIRM NAME	The Lakvold Group, LLC		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Appraiser
PROJECT NAME	INTERSTATE 10 – LOYOLA INTERCHANGE IMPROVEMENTS		FIRM RESPONSIBILITY (prime or sub?)	Sub to CSRS, Inc.
PROJECT NUMBER	H.011670	OWNER'S NAME	Louisiana Department of Transportation & Development (Billing Client: CSRS, Inc.)	
PROJECT LOCATION	Jefferson Parish, Louisiana		OWNER'S PROJECT MANAGER	Noel Ardoin
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 70802, 225-242-4501, noel.ardoin@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/18	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		Unknown
SERVICES COMPLETED BY THIS FIRM (MM/YY)	08/19	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$17.4

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

Firm's Role: Completed Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the projects area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Project Management and Final Transportation Study Deliverables: These tasks included completing the Conceptual Stage Relocation Report for review and inclusion in the Environmental Assessment.

TEAM MEMBERS INVOLVED: Angela Lemoine-Lakvold and support staff



17. Firm Experience:

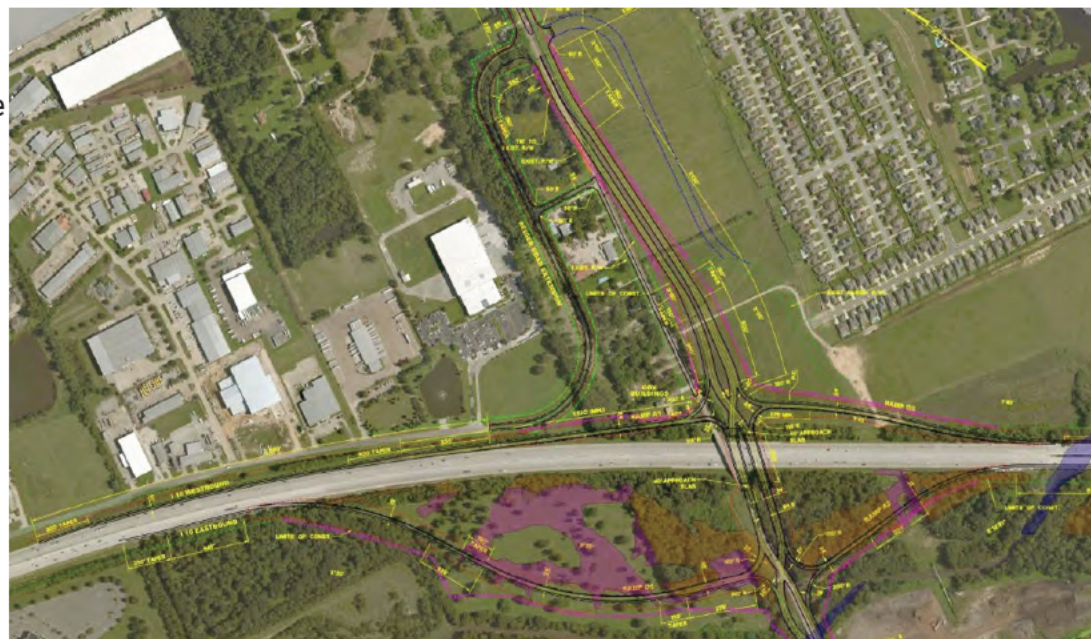
FIRM NAME	Civil Design & Construction, Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Road
PROJECT NAME	PECUE LANE I-10 INTERCHANGE, BATON ROUGE, LA		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.003047	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	Baton Rouge, Louisiana		OWNER'S PROJECT MANAGER	Brian Kendrick, PE
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Rd., Baton Rouge, LA 70802/225/379-1356/brian.kendrick@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	02/16	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	09/19	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$330

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

Project Description: The scope of this project includes the construction of an interchange with multiple through and turn lanes on Pecue Lane and entrance and exit ramp on both eastbound and westbound Interstate 10, replacing the current two-lane overpass bridge, replacing the Pecue Lane at Wards Creek Bridge, and extension of Reiger Road to a new intersection with Pecue Lane, Pecue Lane Extension connecting Reiger road with Old Pecue Lane and other work with the limits of the project.

CD&C's Role: CD&C provided engineering design services for Preliminary and Final Plans of the West Bound Entrance-Ramp to I-10, the West Bound Exit-Ramp from I-10, the extension to Reiger Road and Pecue Lane Extension including all associated Typical Sections, Plan/Profiles, striping, graphical grades, cross-sections, and quantities

TEAM MEMBERS INVOLVED: Karla Weston



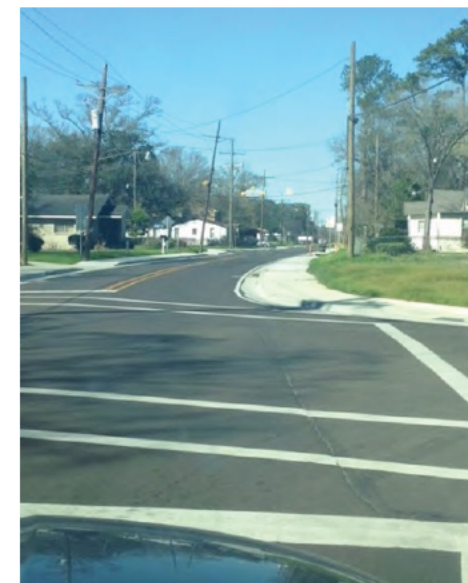
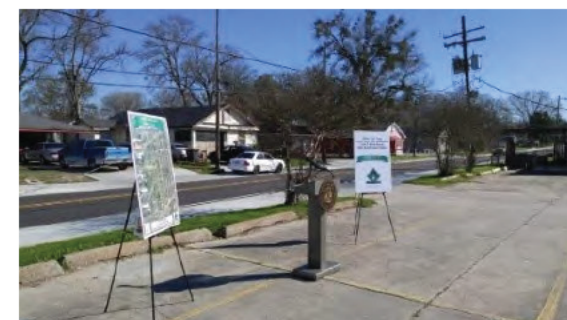
17. Firm Experience:

FIRM NAME	Civil Design & Construction, Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Road
PROJECT NAME	FAIRCHILD STREET/BADLEY RD. STREET IMPROVEMENTS		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	06-CS-HC-0018	OWNER'S NAME	City of Baton Rouge	
PROJECT LOCATION	Baton Rouge, Louisiana		OWNER'S PROJECT MANAGER	Bryan Hamon
OWNER'S ADDRESS, PHONE, EMAIL		1100 Laurel Street, Baton Rouge, LA 70802 / 225-389-3090 / bhamon@brgov.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/06	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	12/12	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$551
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

Project Description: The Fairchild-Badley Roadway project corridor is approximately 1.25 miles located in the Scotlandville Area of the City of Baton Rouge. It is an east-west route connecting Scenic Highway (US Hwy 63) at the west terminus. The project also included approximately 600 linear feet of Elm Grove Garden Drive.

CD&C's Role: The project design was to upgrade the existing narrow roadway to a typical section of 2-12' lanes with a 2' barrier curb and gutter and a 6' adjacent sidewalk. The design had to be approached with the goal of minimizing the need for additional R/W taking due to the very close proximity of the residences to the existing R/W. Therefore, a new sub-surface drainage system was designed for the entire length of the project. This project was also intended to improve the flow of pedestrian traffic through the neighborhood by adding sidewalks to both sides of Fairchild-Badley Road and along one side of Elm Grove Garden Drive. The design also extended sidewalks across the bridge over the drainage canal located along Badley Road and along one side of Elm Grove Garden Drive.

TEAM MEMBERS INVOLVED: Karla Weston



17. Firm Experience:

FIRM NAME	Civil Design & Construction, Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Road
PROJECT NAME	GRAMERCY BRIDGE		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.002960	OWNER'S NAME	Louisiana Department of Transportation & Development	
PROJECT LOCATION	St John Parish, Louisiana		OWNER'S PROJECT MANAGER	Darrell Moore
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Rd., Baton Rouge, LA70802/225-379-1232/Darrell.moore@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	12/13	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	On Going	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$53

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

Project Description: This project, located in St. John Parish on the West side of the Mississippi River, is to create a grade separation at the intersection of LA 3213 and the Union Pacific R/R crossing. The grade separation will be achieved by building a bridge over the R/R at this location.

CD&C's Role: CD&C performed all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C could survey the spur and parallel line. All topographic survey elements were in accordance with the latest LADOTD Location and Survey Manual, and confirm to the latest standard practices/procedures and all deliverables in LADOTD required formats. CD&C is also working on elements of the design plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. Preliminary Plans have been completed.

TEAM MEMBERS INVOLVED: Karla Weston





DOTD Partial Cloverleaf Alt.
Mill Park Ave

own Ave

Google Earth
© 2022 Google

Dutchtown Point A

Faucheux Rd

Ln



Holmes Ln

Alex Kling Rd

Elisar Rd

RJ Kling Ln

J and D Ln

Devillier Ln

Eagle

SECTION 18

18. **Approach and Methodology:****PREPARATION FOR OUR APPROACH**

Ascension is one of the fastest growing parishes in Louisiana, creating a tremendous need for additional interstate access. Stantec understands DOTD's challenge of providing improved access to the interstate system among other growing regions of the state. Led by Scott Hoffeld, Stantec coordinated far in advance of the solicitation date to get both Terracon and Franklin Associates exclusive to Stantec's team. (See justification for their exclusive involvement in Section 14 Organizational Chart.) Following initial coordination, Stantec completed several reconnaissance trips that also included low-altitude drone photography to assist in the approach coordination, as well as completed a review of past available studies. The Stantec team has met on several occasions to date to discuss research on known constraints, traffic approach/coordination, and design considerations, along with the likely approach options, risks, and schedule outcomes. The following approach identifies the combined key differentiating recommendation options for DOTD to consider in the implementation of the LA 74 IJR/EA contract – and is not an attempt to describe all of the typical and numerous tasks associated with the IJR, Line and Grade and Environmental components of this scope. This approach **discussion represents the combined Stantec team's ideas on how to deliver this project with the greatest likelihood of being ahead of schedule, having highest quality initial deliverable submittals, and resulting in reduced DOTD management, review, and risk.** A simplified schedule that captures key milestones is embedded for reference.

INTERCHANGE JUSTIFICATION REPORT (IJR) STUDY AND ALTS DEVELOPMENT/REFINEMENT

The November 2020 Ascension Parish Transportation Master Plan lists several major capacity improvements including the widening of I-10 from 4 to 6 lanes between LA 73 and LA 22, new interchanges at both LA 74 and LA 429, and widening LA 74 from 2 to 4 lanes as a multi-modal facility between LA 73 and US 61. This project will provide an IJR for the new interchange at LA 74. Other regional projects that will affect the study corridor include the new Mississippi River Bridge South (MRBS) being considered between LA 1 and LA 30 and the proposed commuter rail line between Baton Rouge and New Orleans. MRBS is considering three optional river crossing locations that tie into LA 30 slightly north of LA 74. Although LA 30 is expected to be the major connecting route, LA 74 will also likely see traffic changes. The Baton Rouge to New Orleans commuter rail line will have a station in Gonzales near Airline Highway between LA 74 and LA 429. This station will likely have a park and ride element that will draw traffic from the surrounding areas and affect LA 74.

Stantec will collaborate with the DOTD and the LA 429 team representatives as directed to develop a cohesive, integrated approach for the **Existing, No Build, and Tier 1 and Preliminary Tier 2 Verification.** Stantec has extensive experience with

DOTD's **Traffic Engineering Process and Report (TEPR)** and has prepared IJR's and IMR's for the following projects: I-49 Inner City Connector, I-10/Loyola Drive Interchange, and the I-210 Cove Lane Interchange. DOTD has already completed the initial phases of the TEPR study for I-10 from LA 73 to LA 30 through Tier 1, so prior to analyzing Tier 2 alternatives, Stantec will thoroughly review the data provided from the existing study to ensure its adequacy for development and evaluation of alternatives. This is very similar to the process Stantec completed for the I-10 / Loyola Drive Interchange project, **where Stantec assumed responsibility for the project at the completion of Tier 1.** The LA 74 scope calls for revising existing analyses at the LA 73 and LA 30 interchanges for which we recommend performing a review of the Tier 1 **in conjunction with the revised existing interchange analysis to confirm interchange alternative selection -- prior to beginning Tier 2.** This early stage will also be an important coordination point with the adjacent LA 429 project. Since the existing analysis is being revised, it would be beneficial for the two project teams (i.e., awarded LA 74 and LA 429 teams) to meet and share insights.

In the consideration of additional interchange types, Stantec would review the CAP-X analysis performed to-date in conjunction with our understanding of the geometric constraints and key environmental site issues, whose status would be already assessed soon after NTP (See Environmental Considerations below). Additionally, Stantec has worked with **NCDOT's Dr. Joe Hummer to develop a proprietary Stantec Interchange Evaluation Tool (IET)** which utilizes an interactive catalog of approximately **70 unique interchange designs and over 200 layout options** that can be configured based on the specific needs of a project. This IET software evaluates each interchange design against three measures of effectiveness (MOEs)—operations, safety, and cost. IET can evaluate options in a few hours and is an extra tool available for LA 74 to help DOTD select the best possible design.

Following identification of Tier 2 alternatives, the **Stantec team would complete Tier 2 operational analysis, collaborating with the DOTD in the assessment of the Tier 2 evaluation measures of effectiveness (MOEs) needed for DOTD's decision-making.** The Stantec team would integrate DOTD's EDSM VI.1.1.2 for Intersection Control Evaluation Requirements and TEPR in the vetting of the Tier 2 alternatives, and **may propose variations of prescribed alternatives' configurations** (e.g., TUDI #1, TUDI #2 and partial cloverleaf alternatives), such as right turn bypass lanes at the roundabout; channelized or free-flow right turn lanes at the signalized intersections; and signal timing alternatives to improve operations, etc. Recommendations will be provided to DOTD based on the safety and operations goals of the project. Such organic, collaborative evaluations were proven to be invaluable for the I-49 Connector, I-210 Cove-Nelson and I-10 Loyola interchange configuration refinements. Regardless of the variations, each will be studied similarly using the same MOEs to the Existing, No Build, and Alternative analyses.

Safety analysis will focus on abnormal crash types identified in the existing crash analysis provided by DOTD. We will evaluate the alternatives for how they improve outcomes of existing crash types through a review of conflict points and referencing crash modification factors (CMFs) for various improvement types.

Tier 2 operational and safety analysis will guide the determination of alternatives' critical geometry.

DOTD has requested that the Consultant analyze or tweak the following interchange alternatives (at a minimum) based on traffic/safety analysis and environmental study. Initial advantages/disadvantages and items for further consideration are listed below.

Partial Cloverleaf A in NW and SE quadrants

Advantages: Minor impacts to the NE & SW quadrants; right turn entrances to loop ramps in opposite quadrants should not result in queuing on the LA 74 bridge; second loop ramp in the NW quadrant will provide easier access for larger truck traffic coming from the plants to the west of the interchange; appears to avoid the superfund site in the NW quadrant.

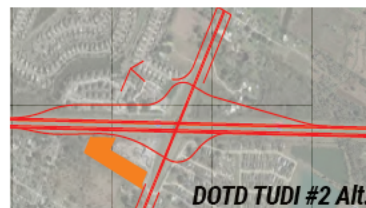
Disadvantages: Requires large footprint in NW and SE quadrants; tight radii on loop ramps may slow down operations due to truck traffic; SE quadrant loop ramp requires a yield movement which may be a safety concern; two entrance points to I-10 in the NW quadrant may have negative safety and operational impacts; wider interchange footprint will result in more widespread C of A impacts along LA 74.



Tight Urban Diamond Interchange (TUDI) w/ signals at the ramp terminals

Advantages: Tight footprint should lessen ROW and environmental impacts; the TUDI geometry is flexible and several alternatives could be assessed to minimize impacts (see alternate TUDI geometry in this section).

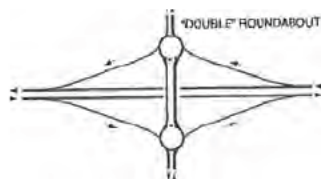
Disadvantages: Retaining walls will likely be required for ramp terminals to intercept LA 74 near bridge ends; signals at ramp terminal would be closely spaced potentially causing operational issues; I-10 drainage ditches may be filled in requiring additional drainage considerations; residential neighborhood impacts in NE quadrant; potential stopping sight distance concerns due to existing overpass grade and limiting effects on ramp terminal placement.



Diamond Interchange w/ Roundabouts at Terminal

Advantages: Roundabout interchanges reduce the potential for severe crash types, generally provide efficient traffic flow at ramp terminals, and mitigate traffic signal spacing issues in tight configurations.

Disadvantages: Roundabouts have a vertical grade limitation of 3%; roundabout footprints are generally larger than traditional ramp terminals; roundabout



construction typically requires more ROW/servitude and temporary pavement to maintain traffic. Future widening of LA 74 to 4-lanes would impact roundabouts requiring multiple lanes which would need to be planned for in the design.

Tight Urban Diamond Interchange (TUDI) replacing the NE ramp w/ a SE Loop Ramp

Advantages: Potentially avoids impacts to the NE quadrant and to the superfund site in the NW quadrant.

Disadvantages: Impacts development in SW quadrant; large footprint in SE quadrant; tight radii on loop ramp may slow down operations due to truck traffic.



ITEMS FOR FURTHER STUDY

DOTD's **Control of Access (COA) Policy** will need to be implemented on all alternatives, requiring 1000 feet of controlled access and 1320 feet of raised median on LA 74 beyond the ramp terminals. Several existing LA 74 access points within the COA east and west of the existing structure over I-10 will need to be accommodated by frontage roads or changed access (right in/right out) to satisfy the COA policy. Stantec is very familiar with this policy and will assist DOTD with stakeholder outreach and any waivers or exceptions that DOTD may want to consider.

Alternatives will be analyzed assuming the **I-10 widening** is in place, and will also consider the **future widening of LA 74**, which will likely include a raised median on LA 74 between opposing lanes and require the existing bridge over I-10 to be widened or an additional structure be added for the new lanes. **Traditional diamond alternatives and the loop ramp junctions would be more adaptable** to this scenario than roundabouts. Ramp junctions for each alternative will consider the future widening of LA 74. Additional study will be needed to determine the exact details of the **auxiliary lanes** required for the partial cloverleaf entrances to I-10, but a cursory look at the spans of the existing bridge (i.e. 80' clear over mainline lanes) would allow for the additional lane on I-10, the auxiliary lane, and two full width shoulders. **Pier protection** will be needed at four locations to protect the existing bridge columns. The Stantec team has also made a cursory review of the distance between the exit ramps at the proposed LA 74 interchange and the entrance ramps at LA 73 and at the future LA 429 Interchanges. Conservative distances between the LA 73 and potential LA 429 entrance gores to the LA 74 exit gores appear to be on the order of 4300 feet and 6700 feet, respectively, exceeding entrance to exit dimensions recommended in Figure 10-70 of the AASHTO Green Book. Therefore, **connected auxiliary lanes between the interchanges are unlikely**, but coordination will be needed between the LA 74 and LA 429 teams to ensure recommended minimum ramp terminal spacing remains adequate.

During the course of this proposal preparation, Stantec developed an alternative layout for the TUDI with signalized ramp terminals as shown below in an effort to

minimize impacts. This alternative features flatter curves and diagonal ramps to the ramp terminals, which are located closer to the approach slabs on each side of the existing bridge. Ramp terminals are located approximately 500 feet apart.

Ramps would be partially elevated, which will help mitigate existing/future project noise as rough **TNM runs suggest likely impacts in both current and future conditions.** In

options like this one where the ramp terminal signals are relatively close to each other, signal timing and phasing will need to be optimized to promote smooth operations, and sight lines will need to be checked to ensure adequate stopping sight distance is provided at the bridge. Effects of the signalized ramp terminals on nearby intersections, especially the intersection of LA 74 at LA 73 (approximately 2700 feet west), will also need to be analyzed.

As mentioned in the RFP, the development of the Line & Grade plan and profile sheets will be used for the critical geometry submitted for the TEPR alternatives and for the environmental document. Stantec has recently been involved in **defining line and grade and critical geometry for 5.5 miles of the Future I-49 in Lafayette** and understands the design detail differences at the various Stages of DOTD delivery. We have developed critical geometry for DOTD's review and the establishment of required ROW and COA limits, provided preliminary signing plans, and preliminary maintenance of traffic plans on this very complicated stretch of highway with four interchanges and a parallel frontage road system. We have developed excellent working relationships with DOTD's Traffic Engineering and Design Development (Geometrics), Road Design and Safety staff during the identification and mitigation of issues. These skills will translate well to the LA 74 Interchange project as we work with DOTD, Ascension Parish and other stakeholders to develop critical geometry to be used in the TEPR analyses, IJR, and NEPA studies. The Line & Grade study will consider the COA Policy, access management, horizontal and vertical geometry, exceeding DOTD's Minimum Design Guidelines, and minimizing required ROW and adverse effects wherever practicable.

ENVIRONMENTAL CONSIDERATIONS & ACCELERATING NEPA

Among the issues of greatest environmental concern are the known environmental conditions of two sites in the NW quadrant of the I-10/LA 74 junction. The standard Phase I ESA



will need to be more robust than average given the presence of the **Dutchtown Treatment Plant (AI#5217) Superfund (CERCLA) site** in the northwest quadrant of the I-10/LA 74 junction. The second site is the Environmental Equipment & Services/All Crane Rental of Louisiana (AI #180939 &10946), also in the NW quadrant. Because of its federal Superfund (CERCLA) status, DOTD and the selected team must necessarily coordinate with the EPA Region VI person responsible for the CERCLA compliance of the site (not the LDEQ) prior to Phase I ESA access and follow-up Phase II ESA testing services. **Terracon has experience working at CERCLA facilities prior to land acquisition/development of Superfund sites.** (See Section 17, Firm Experience, for a directly-applicable Terracon project related to an airport expansion). While current DOTD alternatives avoid the Dutchtown Superfund site, the geometry required is not optimal. Although avoidance of the Superfund site is possible, it is **recommended that an alternative that optimizes the design geometry that may encroach the site also be considered.** Including this alternative in the NEPA document will allow DOTD to select another alternative prior to construction more easily and expeditiously than evaluating a brand new alternative. **It is expected that by the time the Superfund site is closed by the EPA after monitoring in 2027, it will be eligible for development.**

Phase II ESA testing services will likely be recommended early in the project schedule should records research and EPA coordination confirm that need. **Early biological/wetlands and cultural resources field testing may also be practical and effective given the relatively small study area.** Stantec incorporated early tiered field surveys into its work plans for both its **I-210 Cove-Nelson interchange** and **Dijon Extension EA** projects, which were both expedited relative to typical end-on/sequential services approaches that complete environmental field work following critical geometry. Early cultural and biological/wetland surveys should be conducted in all quadrants of the interchange to identify any unknown constraints and save time. Preliminary research suggests limited, low quality wetlands

TASK / ACTIVITY	YEAR 1				YEAR 2				YEAR 3			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
I. INTERCHANGE JUSTIFICATION REPORT												
Tier 1 and Tier 2 Prelim Meeting												
Critical Geometry												
Tier 2 Meeting												
Formal IJR Approval												
II. LINE AND GRADE STUDY												
Design Report - Waivers/Exceptions												
III. ENVIRONMENTAL STUDY												
Early Environmental Investigations												
Outreach/Engagement												
Scoping Meeting												
Tier 2 Coord./Initial EA Public Mtg.												
Tier 3												
Public Hearing												
NEPA Documentation												
Draft EA												
Final EA / FONSI												

associated with the New River may be present, likely requiring only a nationwide USACE 404 permit. Only the alligator snapping turtle (proposed threatened sp.) and Monarch butterfly (candidate sp.) are faunal species of federal concern in the study area. Because both are not yet listed species, a “may affect but not adversely affect” is probable for both in the event that suitable habitat is observed in the field.

Stantec’s cultural resources staff also reviewed the proposed project area for potential constraints. Desktop review indicates two historic-age resources near (but outside of) the project area that have been previously documented. One (03-00709) is no longer extant and the other (03-00033) was noted to have been moved to this location. **A historic-age farmstead is located near the southeast corner of the study area.** Most resources on the property have been added after 2000 and are not historic-age. If this property is determined to be within the project Area of Potential Effects (APE), Stantec historians would document and evaluate the property for NRHP eligibility. Several archaeological surveys have been recorded in the vicinity of the project area; none found intact deposits and no further work was recommended. However, most of the area has not been surveyed. Stantec archaeologists would provide a comprehensive context for understanding the history of the project area and determine NRHP eligibility of affected resources.

Ascension Parish and the unincorporated community of Dutchtown are expected to experience continued residential and commercial growth in future, and given the dynamic nature of land use changes, **assessing indirect and cumulative effects (ICEs)** will be important for the proposed project’s NEPA environmental review. In addition to **facilitating integrated, coordinated planning** between DOTD, Ascension Parish, and community residents, the Stantec team will develop an ICE study that catalogs foreseeable regional transportation infrastructure projects in the vicinity that have the potential to induce land use changes. We will evaluate build-out scenarios for a broader area to 1) assess how future conditions may interact with the proposed project; and 2) how the proposed project can be developed to accommodate other planned projects and mitigate any potential ICEs. Among other elements, the primary focuses of the ICE assessment will include socioeconomic studies related to economic vitality, housing affordability, mobility, and potential flooding/stormwater/water quality effects from increased impervious surface.

The ICE assessment will be directly connected to community studies, notably the Environmental Justice (EJ) analysis. **Census data do not reflect the presence of likely areas of Environmental Justice concern within the immediate vicinity of the proposed project**, including the Twin Lakes Mobile Estates, Twin Lakes RV Park, and possibly the Lakeside Oaks apartment complex in the NE quadrant of the I-10/LA 74 junction. It will be important to assess how the proposed project, in conjunction with other planned development within the study area, could create adverse direct, indirect, and/or cumulative effects on EJ populations; and what measures can be incorporated into the proposed project to **mitigate any disproportionate and adverse effects**. In addition to **focused, meaningful engagement**, the combined Stantec-Franklin Associates team will use **Franklin’s considerable, recent Move Ascension Program and DOTD I-10 Widening relationships and successes**

to evaluate design alternatives that can **avoid and/or minimize impacts to EJ populations**. The proximity of Town Lakes Mobile Estates and Twin Lakes RV Park to the existing I-10 interchange will require the evaluation of creative design solutions that minimize or avoid the SW quadrant. Stantec’s experience in refining interchange types with CSS- and NEPA-derived options to these configurations will be invaluable to the EJ Analysis because a **rigorous alternatives analysis** is required both under Executive Order (EO) 12898 (*Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*) and other EOs on equity and advancing racial justice. Moreover, FHWA’s Order 6640.23A (*FHWA Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*) and associated guidance indicates that **FHWA cannot approve a project with impacts to EJ populations unless it is demonstrated that there are no other viable alternatives and that the proposed project includes mitigation that addresses and offsets disproportionately high and adverse impacts on EJ populations.**

WHY CHOOSE THE STANTEC TEAM

- ✦ **Extensive experience with recent changes to the DOTD and FHWA IJR policy, process and procedures.** *Value Provided:* Efficiently partner with DOTD to complete the documentation in a **more accurate and expeditious** manner.
- ✦ **Respected relationships** through collaboration over many years **with all current consultants that provide traffic engineering and data collection to DOTD.** *Value Provided:* Proactively and effectively collaborate with LA 429, and other DOTD project consultant teams, to accomplish the LA 74 and LA 429 scope of work.
- ✦ **Proven ability**, recognized by DOTD, to **develop complex line and grade geometrics for CSS/NEPA-derived interchange alternatives.** *Value Provided:* Produce an accurate and thorough geometric product ready for final design phase.
- ✦ Demonstrated **expertise to refine CSS/NEPA-derived alternatives** if required by development of more project detail. *Value Provided:* Create or modify interchange configurations to **balance the best use of environmental and stakeholder resources.**
- ✦ Recent success recognized by our clients in coordinating FHWA Environmental Justice (EJ) effects evaluations. *Value Provided:* Established experience and FHWA credibility can shorten approach development/approval time and **improve EJ product quality to meet schedule obligations.**
- ✦ Awareness and insight through **trusted relationships with the stakeholders, public, and officials of Ascension Parish/Dutchtown** region on recent projects. *Value Provided:* Customize and execute an **effective outreach program** that meets the specific needs of the affected communities.
- ✦ **Provide additional services quickly if needed** to meet project needs or benefit the project goals (e.g. geotechnical and environmental testing services, mobile LIDAR, etc). *Value Provided:* **Eliminate schedule delays** from contracting and securing the required services.

DOTD TUDI #1 Alt.

Mill Park Ave

Old-Dutchtown-Ave

Google Earth

Dutchtown-Point-A



Dutch Rd


Holmes-Ln

Alex-Kling-Rd

Elisar-Rd

RJ-Kling-Ln

SECTION 19

 For easy review, please see below the Stantec sub-totals of remaining unpaid balances for Environmental, Roadway, Traffic, and Bridge services, with the complete breakdown after.

- Environmental: \$80,000
- Roadway: \$968,280
- Traffic: \$819,098
- Bridge: \$1,151,565

19. **Workload:**

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually. List only the portion of the fees attributable to the firms on the team.

FIRM(s) All firms must be represented in this table	Past Performance Evaluation Discipline(S)*	CONTRACT NUMBER AND STATE PROJECT NUMBER	PROJECT NAME	REMAINING UNPAID BALANCE**
Stantec Consulting Services Inc.	Bridge	S. P. No. 700-99-0430	Retainer Contract for Bridge Preservation [Statewide, Louisiana]	
			T.O. 701-65-1018 Bayou Tech Bridge	\$1,053
Stantec Consulting Services Inc.		Contract No. 4400024629 S. P. No. H.005967.6	Nelson Road Ext. Bridge [Calcasieu Parish, Louisiana]	
	CE&I/OV		CE&I and Construction Support	\$500,896
	Road		Striping Pln. Changes	\$4,610
	Other/Lighting		Roadway & Nav. Lighting	\$44,762
Stantec Consulting Services Inc.		Contract No. 440004128 S. P. No. H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]	
	Environmental		Real Estate Impact Assessment	\$50,000
	Planning		Prog. Mgmt.; Context Sensitive Design Process; Impl. Strategies	\$1,214,755
	Traffic		Traffic Engineering	\$144,327
	ITS		ITS	\$16,585
	Road		Geometric Design/Analysis	\$164,122
	Bridge		Structure & Bridge	\$526,918
	ROW		ROW Acquisition	\$85,420
	Survey		Survey	\$22,731
	Other/PR; Ltg; Av.		Public Relations/Comm.; Lighting; Aviation	\$80,419

Stantec Consulting Services Inc.	Other/Lighting	Contract No.4400011353 S. P. No. H.014302.6	IDIQ Contract for Electrical Services (Sub to Buchar Horn, Inc.) [Statewide, LA]	
			H.014302.6 US 165 Roadway Lighting [Ouachita Parish]	\$20,285
Stantec Consulting Services Inc.		S. P. No. H.011670	Loyola Dr./I-10 Interchange to New Airport Terminal Design Build (Sub to Gilchrist Co., LLC) [Jefferson Parish]	
	Road		Roadway	\$165,367
	CE&I/OV		CE&I/OV	\$191,165
	Bridge		Bridge	\$95,263
	Other/Lighting		Aesthetic Lighting	\$157,789
Stantec Consulting Services Inc.	Traffic/ITS	Contract No.4400020058	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services [Statewide, Louisiana]	
			H.013710.6 I-10: US-61 to Laplace ITS Deployment [Ascension, St. James & St. John Parishes]	\$10,187
			H.002424.5 LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	\$427
			H.015136 Statewide ITS Architecture Update [Statewide]	\$57,883
			H.013261.6 I-110 ITS Deployment [EBR Parish]	\$23,537
			H.011152.6 I-12: US 190 to LA 59 [St. Tammany Parish]	\$36,035
			H.013866.6 I-12: LA 21 to US 190 [St. Tammany Parish]	\$29,784
			H.003047.6 I-10: Pecue Lane/I-10 Interchange Phase III [EBR Parish]	\$42,076
			H.002424.6 LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	\$29,249
			T.O. 16 I-10 WBR Queue Warning System [Iberville & WBR Parishes]	\$237,863
Stantec Consulting Services Inc.	Other (Lighting)	Contract No. 4400020064	IDIQ Contract for Electrical Services [Statewide, LA]	
			H.014286.5 I-10: LA 26 (Jennings) Interchange Lighting [Jefferson Davis Parish]	\$1,207
			H.014272.5 I-10: LA 97 (Jennings) Interchange Lighting [Jefferson Davis Parish]	\$38,439
			H.014287.5 I-10: LA 99 (Welsh) Interchange Lighting [Jefferson Davis Parish]	\$93,175
Stantec Consulting Services Inc.		Contract No. 4400024461 S. P. No. H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]	
	Traffic		Traffic Study; Signal Design	\$147,344
	Road		Roadway Design	\$273,281
Stantec Consulting Services Inc.		Contract No. 4400022901 S. P. Nos. H.011094.5	LA 3094: Hearne Ave. Bridge: KCS RR Overpass (HBI) [Caddo Parish]	
	Road		Roadway	\$360,900
	Bridge		Bridge	\$326,254

Stantec Consulting Services Inc.		Contract No. 4400022901 S. P. Nos. H.011094.5	I-49 Inner City Connector (From I-49/I-20 Interchange to I-49/I-220 Interchange) [Caddo Parish]	
	Traffic		Traffic	\$60,386
	Bridge		Bridge	\$202,077
Stantec Consulting Services Inc.		Contract No. 4400023972	IDIQ Contract for Cultural Resources	
	Environmental		H.014197.5 Phase I Cultural Resources Survey [Tensas Parish]	\$30,000
Stantec Consulting Services Inc.		Contract No. 1 S. P. No. H.011670	State of LA, DOTD versus 2845 Loyola Blvd., LLC ET AL [Jefferson Parish]	
	Right-of-Way		Right-of-Way Expert Witness	\$6,050
Terracon Consultants, Inc.	Geotechnical	H.003931.5-2	I-10: Calcasieu River Bridge Additional Borings	\$81,709
Terracon Consultants, Inc.	Geotechnical	H.002868	I-49 Frontage Road Bridges PDA Testing	\$190,415
Terracon Consultants, Inc.	Geotechnical	H.012033	Cross Bayou and Caney Bayou	\$20,362
Terracon Consultants, Inc.	Geotechnical	H.012569	Little Sugar Creek Bridge	\$5,419
Terracon Consultants, Inc.	Geotechnical	H.000385.5	US190: LA415 & RR Overpass	\$213,763
Terracon Consultants, Inc.	Geotechnical	H.005121	LA-1 and LA-415 Connector	\$227,266
Terracon Consultants, Inc.	Environmental	H.004273.5	Lafayette Urban Section (I-49 Lafayette Connector) Phase II ESA, Lafayette Parish	\$25,197
Terracon Consultants, Inc.	Geotechnical	H.005967	Nelson Road Extension and Bridge	\$52,534
Terracon Consultants, Inc.	Geotechnical	H.011670	Loyola Interchange Design-Build	\$95,622
Terracon Consultants, Inc.	Geotechnical	H.011094	Hearne Ave. – Cross Bayou Bridge Replacement	\$141,755
Franklin Associates, LLC	Planning, Other	H.003915	I-49 Inner City Connector, Stage 1 Environmental Assessment Project (Providence is Prime)	\$92,487
Franklin Associates, LLC	Planning, Other	H.004100.5	I-10 CMAR RCP Plans (Huval is Prime)	\$34,504
Franklin Associates, LLC	Planning, Other	H.013284	MRB South GBR: LA 1 to LA 30 (Atlas is Prime)	\$432,064
Franklin Associates, LLC	Planning, Other	H.004791	Belle Chasse Bridge & Tunnel (Plenary is Prime)	\$1,144,658
SJB Group, LLC	Other (DBE)		LA DBE Supportive Services 2023-2026	\$960,059
SJB Group, LLC (Sub)	Survey/Road	44-17597 H.013952; H.013966; H.013968; H.013997; H.013963; H.013982; H.013976; H.013984; H.013970; H.013957	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62	\$33,650
SJB Group, LLC	CPM	44-17485 H.012876.6	US 90Z (I-10 - Magnolia Street) - District 02, Orleans Parish	\$20,707

SJB Group, LLC	CPM	44-4351 H.011220.6	NO CBD2 Carrollton-Lafitte Ave - District 02, Orleans Parish	\$16,955
SJB Group, LLC	CPM	44-17485 H.013579.6	Pecue Lane/I-10 Interchange Phase 2 - District 61, East Baton Rouge Parish	\$2,175
SJB Group, LLC	CPM	44-17485 H.009620.6-1	I-10: LA 108 to I-210 Interchange	\$0
SJB Group, LLC	CPM	44-4351 H.012901.6-1	US90Z (Magnolia-Bodenger)	\$14,752
SJB Group, LLC	CPM	44-17485 H.002375	LA 16 Amite River Bridge near French Settlement	\$26,198
SJB Group, LLC	CPM	44-17485 H.010018	I-10: NO East Drain Canal Bridge Replace - District 02, Orleans Parish	\$25,261
SJB Group, LLC	CPM	44-17485 H.003184.6	I-10 Texas S/L - Coone Guillory	\$110,344
SJB Group, LLC	CPM	44-17485 H.012588.6	I-10: Atchafalaya Basin Bridge - West Baton Rouge P/L - District 61, Iberville Parish	\$22,929
SJB Group, LLC	CPM	44-17485 H.001234.6	LA 1: Port Allen Canal BR Replacement (PH1) (HBI)	\$47,537
SJB Group, LLC	SUE	44-19184 H.001820.6	LA 485 Bridges Near Allen Construction Inspection - Allen Parish	\$72,681
SJB Group, LLC	SUE	44-19184 H.001820	LA 485 Bridges Near Allen Waterline Investigation - Natchitoches Parish	\$7,056
SJB Group, LLC	CPM	44-17485 H.000665.6	UP R.R. Overpass near Bonita (HBI) - District 05, Morehouse Parish	\$68,066
SJB Group, LLC	CPM	44-17485 H.002980.6	I-10 Overpass Over US 165 & MP R.R.	\$83,773
SJB Group, LLC	CPM	44-17485 H.001820.6	LA 485: Bridges Near Allen - District 08, Natchitoches Parish	\$27,718
SJB Group, LLC	CPM	44-17485 H.001344.6	US 190: LA 437 to US 190-BUS (Phase 1)	\$43,872
SJB Group, LLC	CPM	44-17485 H.004634.6	Juban Road Widening (I-12 to US 190)	\$15,031
SJB Group, LLC	CPM	44-17485 H.000169.6	Union Pacific Railroad Bridge at Sicard - District 05, Ouachita Parish	\$22,283
SJB Group, LLC	CPM	44-17485 H.002424	LA 70 Sunshine Bridge - LA 22 - District 61, Ascension/St. James Parish	\$71,880
SJB Group, LLC	CPM	44-17485 H.003047.6	Pecue Lane/I-10 Interchange Phase III - District 61, East Baton Rouge Parish	\$91,758
SJB Group, LLC	CPM	44-17485 H.0009487.6	LA 1 Atchafalaya Bridge Clean & Paint	\$84,096

SJB Group, LLC	Survey	44-17711 H.012685.5	LA 385: Ryan Street Intersection IMPRs	\$11,454
SJB Group, LLC	Survey	44-17711 H.012685.5	LA 385: Ryan Street Intersection	\$0
SJB Group, LLC (Sub)	SUE	44-19379 H.013797	LA 30: EBR PL - I-10 - Ascension and Iberville Parishes	\$2,904
SJB Group, LLC (Sub)	Survey	44-19870 H.013722.5	Morgan City Sidewalks and Shared Use Path Safe Routes to Public Places Program - St. Mary Parish	\$103,615
SJB Group, LLC	Survey	44-16018 H.012001.5	LA 339 Canal and Creek Bridges - Vermilion Parish	\$4,393
SJB Group, LLC	Survey	44-16018 H.012001.5-2	LA 339 Canal and Creek Bridges Additional Work - Vermilion Parish	\$0
SJB Group, LLC	Survey	44-16018 H.002244.5	LA 56: Boudreaux Canal MB Replacement - Terrebonne Parish	\$14,891
SJB Group, LLC	Survey	44-16018 H.011310.5	Ford Street Extension - East Baton Rouge Parish	\$5,643
SJB Group, LLC	Survey	44-16018 H.4100.5	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 50 - East Baton Rouge Parish	\$0
SJB Group, LLC	Survey	44-16018 H.4100.5	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 51 - East Baton Rouge Parish	\$0
SJB Group, LLC	Survey	44-16018 H.004100	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 52 - East Baton Rouge Parish	\$3,486
The Lakvold Group, LLC	Appraisal	H.004100	I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge Parish	\$179,000
Civil Design & Construction, Inc.	Survey	4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	\$89,482
Civil Design & Construction, Inc.	Survey	H.011833.5	St. Mary Street Sidewalks	\$3,236
Civil Design & Construction, Inc.	Survey	H.011235.5	I-49 South @ Verot School Rd	\$198,880
Civil Design & Construction, Inc.	Survey	H.011235.5	I-20: UPRR Overpass	\$317,022

DO NOT SUM

(Add rows as needed)

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

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

DOTD TUDI #2 Alt.

Mill Park Ave

Old Dutchtown Ave

Google Earth

Dutchtown Point A

8 Ln



Dutch Rd

Holmes Ln

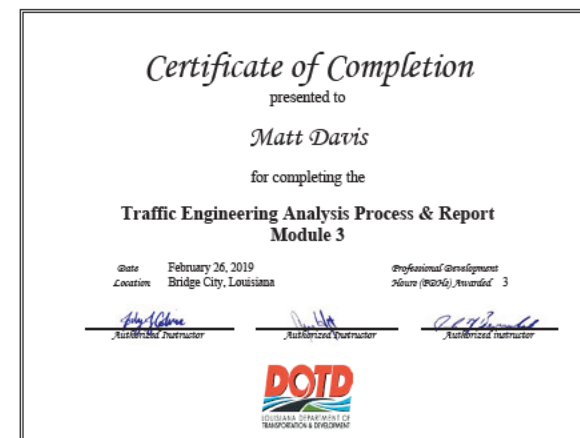
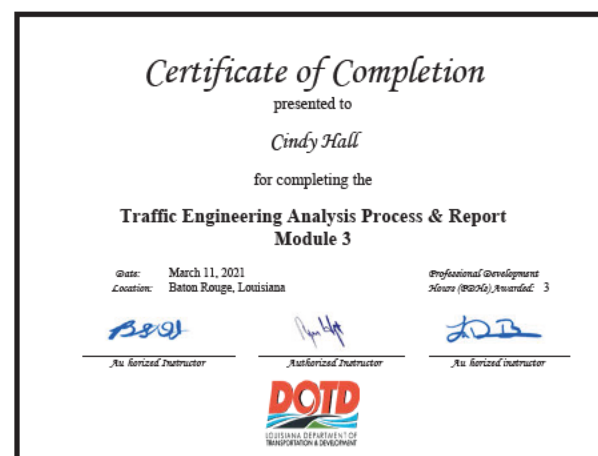
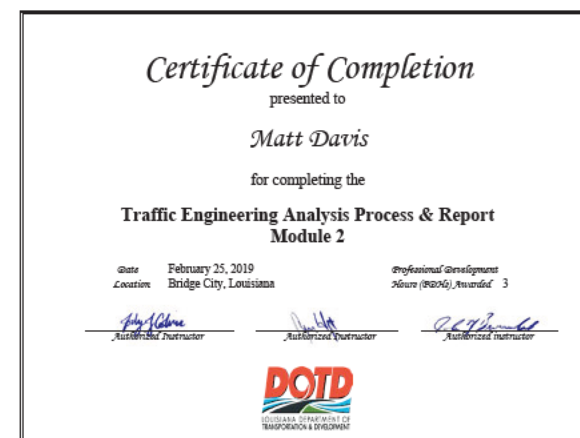
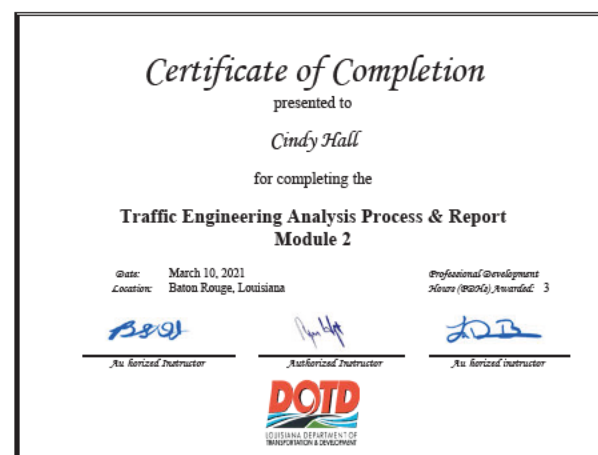
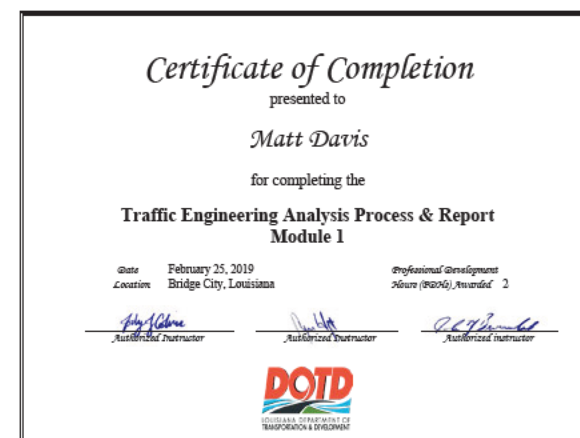
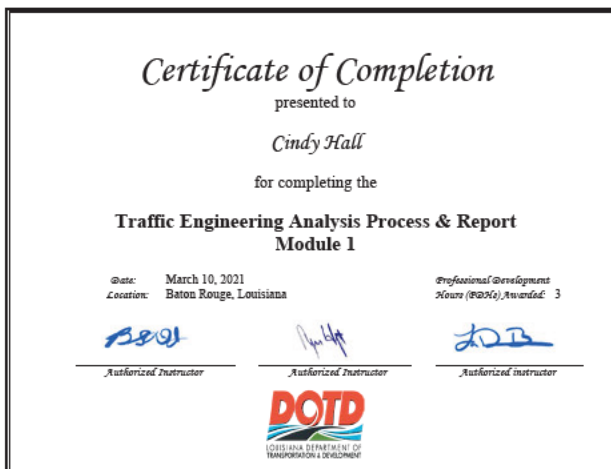
Alex Kling Rd

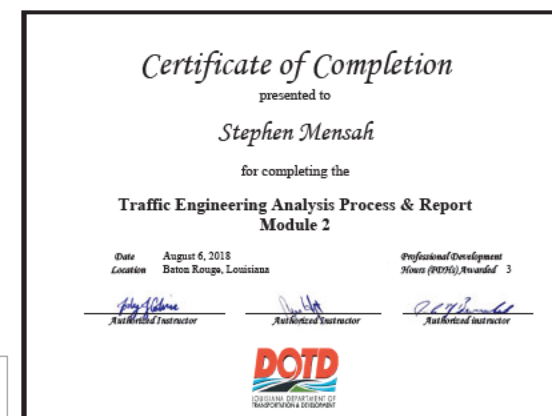
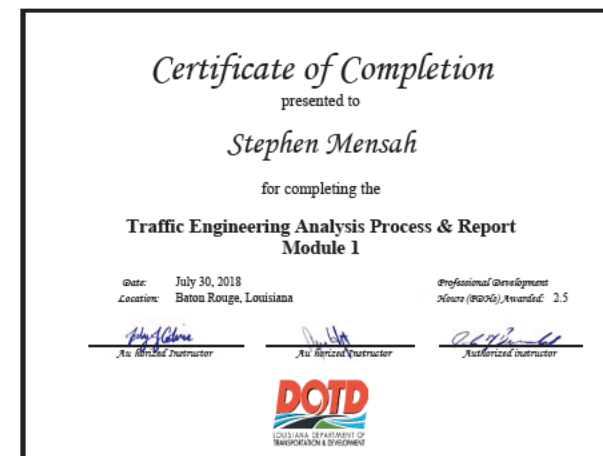
Elisar Rd

RJ Kling Ln

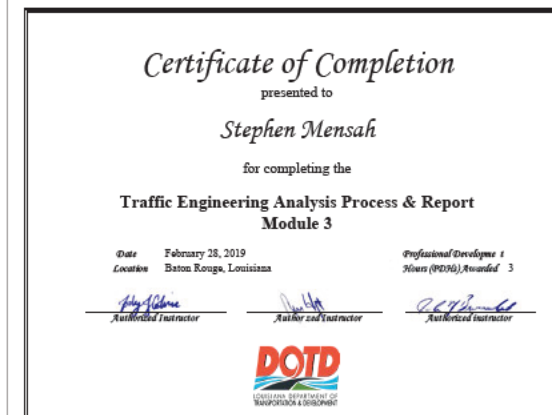
SECTIONS 20-23







X3/22, 12: 2 PM		Profile	
View		Matthew Davis:	
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	



Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 800 • Washington, DC 20006 USA • Tel: 202-785-0009 • Fax: 202-785-0609 • www.tpcb.org



Joseph Patrick Barker
Buckart-Horn Inc.
4506 Jeanne Marie Pl
New Orleans, LA 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 Anna 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 homestead 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 carrying and keeping track of your professional development units so when it is time to renew, the PTOE® will be easily accessible. TTE has developed a web-based Professional Competency Record Keeping System to assist you in keeping such a log. www.tpcb.org/tpcbkeepsr.htm

In the certification and licensure industry, it has become common for a certain percentage of recertification applicants' submission materials to be audited and verified. TPCB has been working with its psychometricians at Castle (TPCB's certification and licensure testing company) to determine that percentage as well as the process that must be implemented to comply 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 certificate 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 honor 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

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



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



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



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 6/24/2022
Training Valid Through

Baton Rouge, LA
Location

Director of Training

President, CEO

ATSSA provides training and certification for further education requirement by ATSSA.



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

10/22, 2:15 PM

Profile

View

Joseph Barker

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

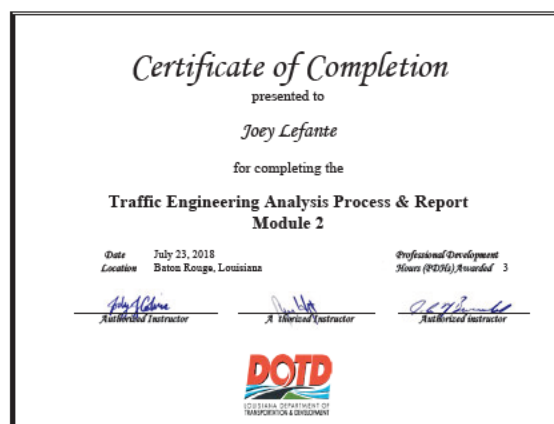
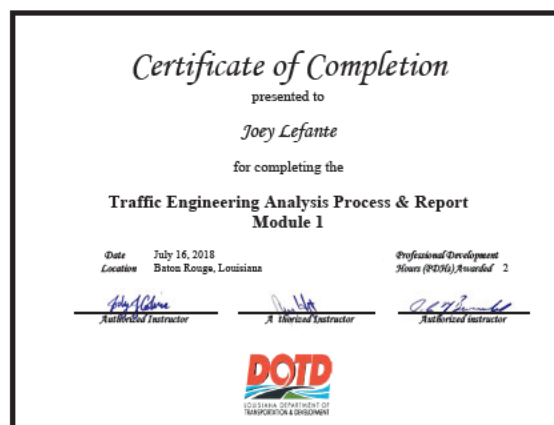
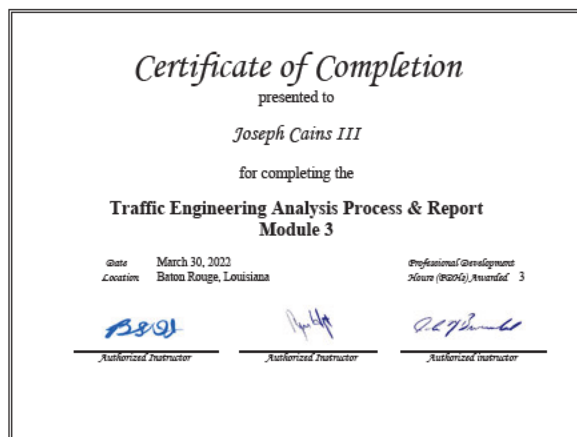
PE License Expiration Date

Type of ID

Unique Number

PE Classification

https://ecommmerce.tpcb.org/tpcbmy_Profile/TPCBContactManagementProfile.aspx?WebSiteKey=8041821-8616-4816-8040-7c2d8b8c31b2

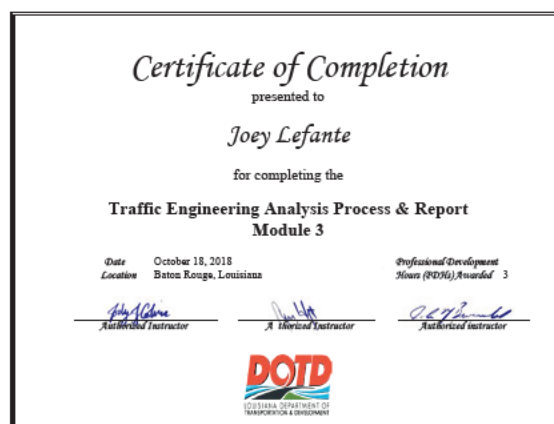


11/17/22, 12:55 PM

Pro file

View Joseph Lefante:

Certification Type	Professional Traffic Operations Engineer®	TPCB Status	Active
Certification Number	3560	Application Status	
Application Date Received		Audit	Yes
Certification Date	11/20/2013	Expiration Date	11/20/2025
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	



Beth Beam:

The American Institute of Certified Planners

The Professional Institute of the American Planning Association

hereby qualifies

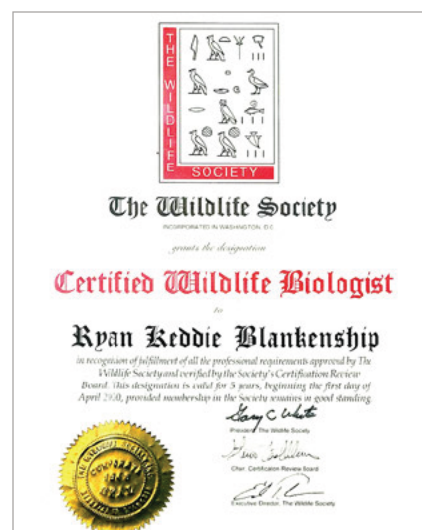
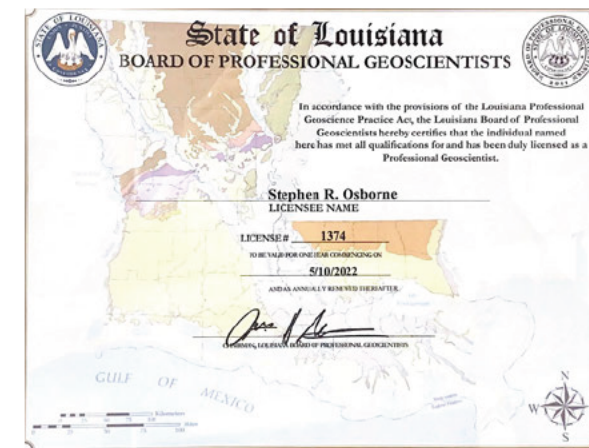
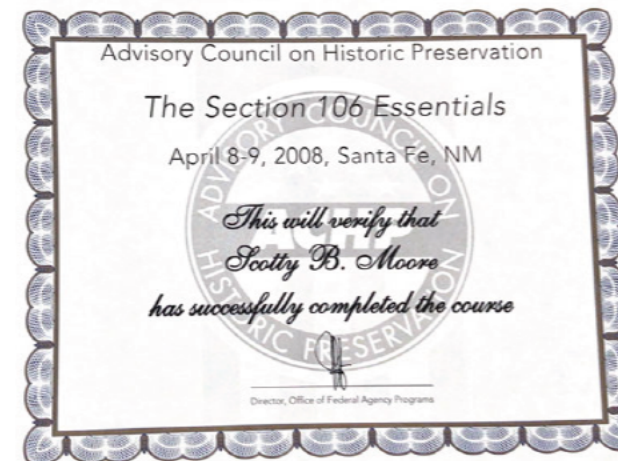
Elizabeth J. Stalzer

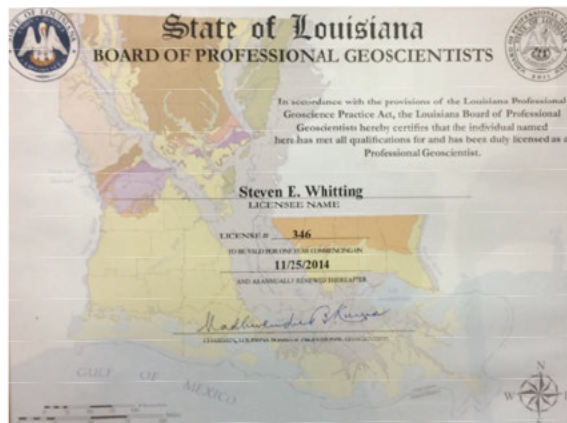
as a member
with all the benefits
of a Certified Planner and
responsibility to the
AICP Code of Ethics
and Professional Conduct.

Certified Planner Number: 013184

October 1, 1997


 PRESIDENT


 EXECUTIVE DIRECTOR


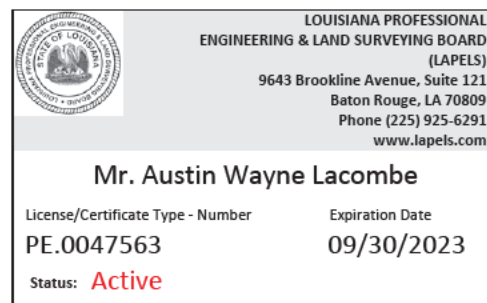
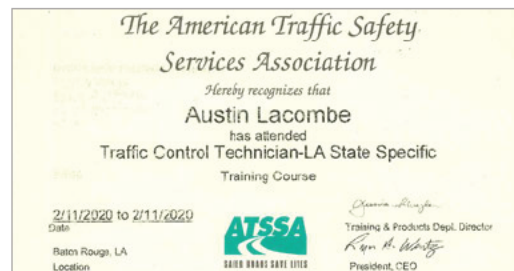


This is to affirm that

Austin LaCombe

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 3/9/2022 ATSSA
Exp. Date 3/8/2026 Instructor Name Karen Kennedy
State Issued LA Instructor Signature [Signature]



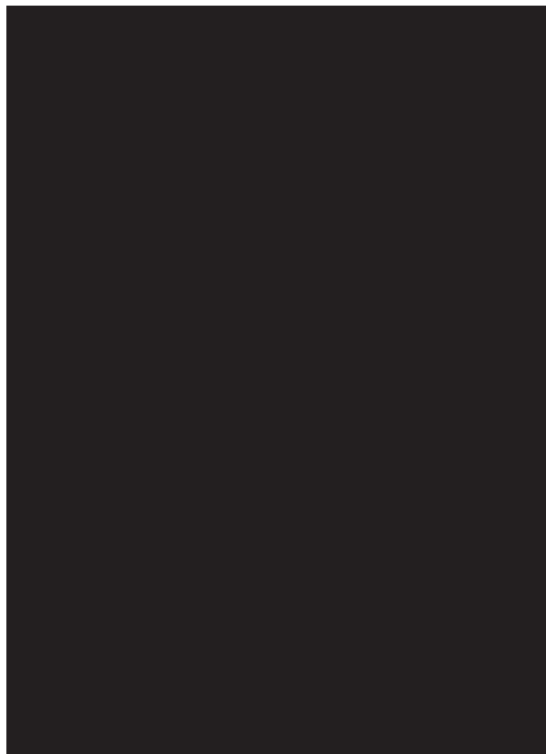





**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
www.lapels.com

Mrs. Karla Ewing Weston

License/Certificate Type - Number	Expiration Date
PE.0031010	03/31/2024
Status: Active	



Richard Chinn Environmental Training, Inc.


certifies that

Jim Baxter


has successfully completed a

16 Hour Army Corps of Engineers Regional Supplement Wetland Delineation Training

issued this certificate and 2.0 CEUs on July 25 and 26, 2018 in Orlando, Florida
This course is pre-approved by the Society of Wetland Scientists professional certification program to provide 1.00 Training Credits and/or Points.


 Richard Chinn, PWS

Richard Chinn Environmental Training, Inc.
 804 Cottage Hill Way, Brandon, FL 33511-8098
 813.655.7519 • FAX: 813.354.4609 • info@richardchinn.com • <http://www.richardchinn.com>



21. **QA/QC Plan and/or Work Plan:**

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

22. **Sub-consultant Information:**

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

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
Terracon Consultants, Inc.	2822 O'Neal Lane, Bldg B Baton Rouge, LA 70816	Lynne Roussel McMillen, P.E. Lynne.roussel@terracon.com	(225) 239-2632
Franklin Associates, LLC	250 S Foster Dr. Baton Rouge, LA 70806	Perry Franklin perry@franklinassociates.com	(225) 768-9060
SJB Group, LLC	8377 Picardy Avenue Baton Rouge, LA 70809	Matthew Estopinal, PE, PLS Matt.Estopinal@SJBGroup.com	(225) 769-5752
Civil Design & Construction, Inc.	PO Box 857 Port Allen, LA 70767	Karla E. Weston, PE Kweston@cdcbr.com	(225) 765-1803
The Lakvold Group, LLC	4520 Jamestown Avenue, Suite 1, Baton Rouge, Louisiana 70808	Angela Lemoine-Lakvold: angelakvold@cox.net or angie@thelakvoldgroup.com	(225) 248-9984

23. **Location:**

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



Design with Community in Mind