

Statement of Qualifications

CONTRACT NO. 4400032800, PROJECT NO. H.000688.5

US 11 NORFOLK SOUTHERN RR OVERPASS (HBI) ROUTE: US 11

Presented to: Louisiana Department of Transportation and Development (LADOTD)



US 11 AT SCHNEIDER CANAL, SLIDELL, LA

September 9, 2025



(Revised August 11, 2025)

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 INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	US 11 NORFOLK SOUTHERN RR OVERPASS (HBI) ROUTE: US 11 ST. TAMMANY PARISH
2. Contract Number(s) as shown in the advertisement	4400032800
3. State Project Number(s), if shown in the advertisement	H.000688.5
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	G.E.C., Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0001917
6. Prime consultant mailing address	8282 Goodwood Blvd., Baton Rouge, LA 70806
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8282 Goodwood Blvd., Baton Rouge, LA 70806
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Cary Bourgeois, PE, Senior Vice President, (225) 612-4121, cbourgeois@gecinc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Cary Bourgeois, PE, Senior Vice President, (225) 612-4121, cbourgeois@gecinc.com

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

G.E.C., INC.

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.



Signature above shall be the same person listed in Section 9:

September 9, 2025

Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.





FIRM(S):

FIRM(S)' %

12. Discipline Table

Discipline(s)	% of Overall Contract	G.E.C., Inc. (Prime)	SJB Group, L.L.C.	DBE FIRM	Ardaman & Associates, Inc.	Each Discipline must total to 100%
				Vectura Consulting Services, LLC		
Road	55.000%	100.00%				100%
Bridge	40.000%	100.00%				100%
Survey	1.000%		100.00%			100%
Traffic	1.000%			100.00%		100%
Geotech	1.000%				100.00%	100%
CE&I/OV	1.000%	100.00%				100%
Environmental	1.000%	100.00%				100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100.000%	97.000%	1.000%	1.000%	1.000%	----

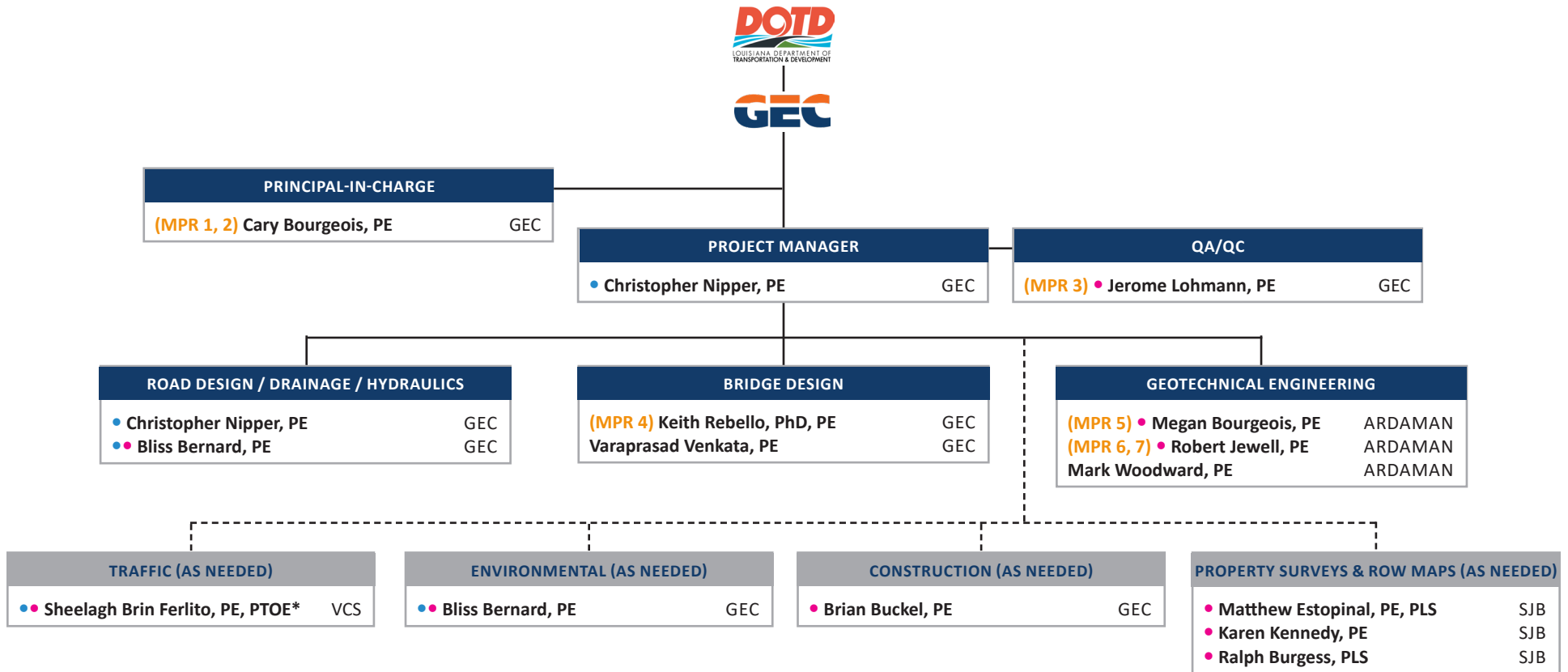
13. Team Size

Firm name	DOTD Job Classification	Number of personnel <u>committed</u> to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
 G.E.C., Inc.	Principal	2	2
	Engineer	9	12
	Supervisor - Eng	5	7
	Engineer Intern	2	5
	Senior Technician	1	1
 SJB Group, L.L.C.	Surveyor	3	5
	Engineer	3	5
	Party Chief	1	5
	CADD Technician	1	3
	Technician	1	2
	Principal	1	1
	Supervisor - Eng	2	2
 Ardaman & Associates, Inc.	Administrative	1	1
	CADD Technician	2	2
	Clerical	1	2
	Engineer	1	6
	Engineer Intern	3	6
	Principal	2	3
	Senior Technician	8	9
	Supervisor - Eng	3	3
	Supervisor - Other	3	4
	Technician	11	15
 Vectura Consulting Services, LLC	Supervisor - Eng	1	2
	Engineer	0	3
	Engineer Intern	0	3
	Senior Technician	0	2
	Supervisor - Other	0	1
	Technician	0	1
	Clerical	0	1

*For evaluation purposes only, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of committed personnel accordingly.

14. Organizational Chart

CONTRACT NO. 4400032800
 US 11 NORFOLK SOUTHERN RR OVERPASS (HBI)










LEGEND


- (#) Fulfills MPR
- Work Zone Training
- LTRC Modules 1-3 Training
- * personnel performing traffic engineering analysis and/or QC

VCS Vectura Consulting Services, LLC
 ARDAMAN Ardaman & Associates, Inc.
 SJB SJB Group, L.L.C.


15. Minimum Personnel Requirements

MPR No. DO NOT INSERT WORDING FROM AD	Personnel being used to meet the MPR (INDIVIDUAL(S) MAY NOT SATISFY MORE THAN ONE MPR UNLESS SPECIFICALLY ALLOWED BY ATTACHMENT B OF THE ADVERTISEMENT)	Firm employed by	Type of license and discipline meeting MPR/certification & number (EX: PE # - CIVIL)	State of license	License / certification expiration date
1	Cary Bourgeois, PE		PE # 23414 - Civil	Louisiana	09/30/2025
2	Cary Bourgeois, PE		PE # 23414 - Civil	Louisiana	09/30/2025
3	Jerome Lohmann, PE		PE # 24673 - Civil	Louisiana	09/30/2026
4	Keith Rebello, PhD, PE		PE # 24937 - Civil	Louisiana	03/31/2027
5	Megan Bourgeois, PE		PE # 36725 - Civil	Louisiana	03/31/2026
6	Robert Jewell, PE		PE # 38579 - Civil	Louisiana	09/30/2026
7	Robert Jewell, PE		PE # 38579 - Civil	Louisiana	09/30/2026


16. Staff Experience

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Cary Bourgeois, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	40
TITLE	Senior Vice President	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1983 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	23414 / Louisiana / 09-30-2025		
YEAR REGISTERED	1989	DISCIPLINE	Civil Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Principal-in-Charge		
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).		
	<p><i>Mr. Bourgeois is GEC's Senior Vice President involved in supervising activities and performing design services on several large-scale projects. Mr. Bourgeois has more than 40 years of experience in the areas of Roadway, Bridge, Toll Collection Systems, and Intelligent Transportation Systems (ITS) design along with extensive experience in safety inspection of bridges. He has valuable experience in the design and geometry associated with roadways and bridge structures. He is thoroughly familiar with AASHTO Policy on Geometric Design of Highways and Streets, AASHTO Standard Specifications for Highway Bridges, Manual on Uniform Traffic Control Devices, the Highway Capacity Manual and the Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals. He has provided ITS deployment and implementation planning, field device optimum positioning and placement, civil/structural engineering, and plan and specification development. As Principal-in-Charge, he has managed design and development, and supervision of plans and specifications, as well as general construction engineering and inspection.</i></p>		
01/23-12/23	<p>GNOEC, OVERLAY THE WEST CAUSEWAY APPROACH ROAD AT CHINCHUBA BAYOU: Mandeville, LA. <i>Principal in Charge</i> - This project involved the rehabilitation of an existing roadway for the Greater New Orleans Expressway Commission. The rehabilitation included milling and overlaying the existing roadway, installing new pavement markers, and redesign of the existing 1950s guard rail with a new mash-tested bridge rail to meet current safety standards. Mr. Bourgeois oversaw development of the construction plans, the design of the new guard rail, and calculating quantities.</p>		
12/23-Present	<p>GNOEC, NORTH CAUSEWAY APPROACH ROAD OVERLAY: St Tammany Parish, LA. <i>Principal in Charge</i> - This project involved the rehabilitation of an existing roadway for the Greater New Orleans Expressway Commission. The rehabilitation included milling and overlaying the existing roadway, installing new pavement markers, and redesigning the existing guard rail in order to meet current safety standards. Mr. Bourgeois oversaw development of the construction plans, the design of the new guard rail, and calculating quantities. The project is under construction and Mr. Bourgeois provides oversight of GEC's construction engineering and inspection activities.</p>		
2019-04/24	<p>LASAFE AIRLINE AND MAIN COMPLETE STREETS: Laplace, LA. <i>Principal in Charge/QA/QC</i> - This project consists of design of a 10' and 5' sidewalk along the north side of US 61 in accordance with DOTD's Roadway Design Procedures and Details Manual. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Main Street (LA 44) was also rehabbed with a mill and overlay and the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. GEC oversaw the calculation of preliminary quantities and development of a preliminary estimated construction cost. GEC proposed the conceptual design to the Parish and received approval. GEC also oversaw development of the fee for all costs from surveying to construction.</p>		
09/20-Present	<p>BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. <i>Principal in Charge/QA/QC</i> - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Bourgeois oversaw an investigation of the existing bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This investigation started with an NBIS bridge inspection to determine Condition Ratings for the bridge superstructure, substructure, and piles. A Bridge Load Rating was then carried out based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced. He also oversaw the preliminary design for the replacement bridge as well as the design study for a six-lane, curb and gutter roadway with pedestrian facilities and subsurface drainage.</p>		


FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Cary Bourgeois, PE <i>Continued Resume</i>
08/23-Present	44-25040 / I/JA OFF-SYSTEM BRIDGE PROGRAM, DISTRICT 61 LESS EBR: East & West Feliciana, Iberville, Pointe Coupee, West Baton Rouge, Ascension, and Assumption Parishes, LA. <i>Principal in Charge</i> - Projects include the design of a bridge spot replacement of off-system bridges. The design is in accordance with the Federal Aid Off-System Highway Bridge Program. Mr. Bourgeois is the principal-in-charge of this project.
10/19-11/20	I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA. <i>Principal-in-Charge</i> - The project included the replacement of two slab span bridges, approach roadways, mill and overlay, and drainage. Mr. Bourgeois was Principal-in-Charge and oversaw the design phase of the project.
02/24-Present	H.015372 / WILLOW STREET AREA IMPROVEMENTS: Lafayette Parish, LA. <i>Principal in Charge</i> - This project includes preliminary plans for the redesign of local roads adjacent to Willow St. and Evangeline Thruway, and the redesign of Willow St. itself. The local roads included the redesign of two frontage roads that run parallel with Evangeline Thruway; the redesign and extension of an existing side street; and the widening and partial redesign of Willow St. Mr. Bourgeois oversees engineering design staff providing the geometry, both horizontal and vertical, for all the proposed roadways, hydraulic analysis and design, and hydraulic calculations and report, and construction plans for the project, including quantities required for construction.
08/20-05/25 SECTION 17 PROJECT	H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. <i>Design Manager</i> - Mr. Bourgeois was responsible for the overall design and design quality control of this \$53,000,000 urban freeway transportation project which provides exit ramps that are separated from the merge of I-10 and I-12. To accomplish this, I-12 westbound was re-routed under a rebuilt I-10 westbound bridge. He oversaw the completion of Storm Water Pollution Prevention Plans (SWPPP) and permitting for all highway construction segments in accordance with DOTD standards. He also oversaw preparation of bridge plans including a 380' long two span continuous steel girder, roadway and maintenance of traffic plans, signing plans, retaining walls, noise barriers, lighting plans, and bridge structural rehabilitation plans.
06/17-12/21 SECTION 17 PROJECT	H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA. <i>Principal in Charge/QA/QC</i> - Mr. Bourgeois oversaw road design in accordance with DOTD's Roadway Design Procedures and Details Manual, along with the superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28-mile urban interstate. The extensive load rating and documentation, allowed LADOTD to make an informed decision on widen or replace the existing bridges. The data supported the replacement of the bridges. GEC designed concrete slab spans, pre-stressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs.
04/19-12/21	H.013542 / CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: Baton Rouge, LA. <i>Principal in Charge</i> - GEC performed a Design Study, including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and Right-of-Way (ROW) Mapping as required; developing preliminary and final construction plans and cost estimates. GEC will oversee construction phase services and preparation of an as-designed load rating for the bridge according to LADOTD criteria. The project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive Bridge over Engineers Depot Canal, both located in Baton Rouge, LA.
02/19-Present	MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA. <i>Principal in Charge</i> - GEC is preparing plans, specifications, and estimates for the removal and replacement of an existing asphalt and concrete pavement and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. Mr. Bourgeois oversees GEC's design services as principal in charge.
03/95-06/10	450-15-0089 / ROUTE I-10, CAUSEWAY BLVD TO 17TH STREET CANAL: Metairie, LA. <i>Project Manager/Engineer-of-Record/Structural Engineer</i> - Mr. Bourgeois performed Quality Assurance and project management on this project. He specifically acted as QA for all disciplines involved including surveying, structures/bridge design, electrical & controls design and civil engineering design. Project consisted of widening while under traffic of 1.64 miles of urban interstate highway from six to 10 lanes with roadway and bridges. He performed PPC girder layout and design and performed the design check of a two-span (425' total length) continuous steel girder with integral steel intermediate bent.

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Christopher Nipper, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	8
TITLE	Road Design	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	2
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2014 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		43281 / Louisiana / 09-30-2027	
YEAR REGISTERED	2019	DISCIPLINE	Civil Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Project Manager, Road Design	
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).		
	<p><i>Mr. Nipper has 10 years of experience providing preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects. The first two years of his career were spent as a Road Design Engineer for LADOTD, affording him knowledge of LADOTD standards and guidelines required for roadway projects. He has experience with preliminary plans for roadway projects in accordance with Louisiana Standard Specifications for Highways and Bridges and DOTD’s Roadway Design Procedures and Details Manual. This includes current experience with the I-10 Williams to Veterans project which is in the 90% final plans stage and the St. John the Baptist LASAFE Airline and Main Complete Streets project which utilized the LADOTD Roadway Design Procedures and Details Manual and is currently under construction. He has designed projects requiring milling and overlay in accordance with 23 CFR 625, Design Standards for Highways and the current DOTD Design Guidelines for Preservation Projects, EDSM I.1.1.11, Guidance for PRR Projects, and DOTD Pavement PRR Minimum Design Guidelines. Mr. Nipper provides hydraulic analysis and design of drainage features for roadway construction projects in accordance with the current edition of DOTD’s Hydraulics Manual. He is also very familiar with AASHTO standards and guidelines and has developed Level 2 Transportation Management Plans for roadway construction projects. He has completed the following training: FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety hosted by LADOTD/LTRC and Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC.</i></p>		
02/24-Present	<p>H.015372 / WILLOW STREET AREA IMPROVEMENTS: Lafayette Parish, LA. Road Design Engineer - This project involved the redesign of local roads adjacent to Willow St. and Evangeline Thruway, and the redesign of Willow St. itself. The local roads included the redesign of two frontage roads that run parallel with Evangeline Thruway; the redesign and extension of an existing side street; and the widening and partial redesign of Willow St. For the project’s preliminary plans, Mr. Nipper was responsible for the geometry, both horizontal and vertical, for all the proposed roadways. Mr. Nipper was responsible for the hydraulic analysis and design, and developed the hydraulic calculations and report. Mr. Nipper also developed the construction plans for the project, and calculated the quantities required for construction.</p>		
09/20-Present	<p>BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Road Design Engineer - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction, a 10-ft. wide shared use path on the west side, a 5-ft. wide sidewalk on the east side, painted bike lanes, roadway markings, flashing beacons, bus stops, refuge islands, roadway warning lights, high visibility crosswalks, and planting buffers for improved pedestrian safety, accessibility, and mobility to area facilities. The project includes replacement of existing bridges at Dawson Creek. Mr. Nipper assisted in preparing the drainage map depicting existing conditions for the 9,730-acre drainage area. Mr. Nipper also developed the soil map for the drainage area and computed the curve number and associated flow through Dawson Creek.</p>		
09/19-04/24	<p>LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA. Road Design Engineer - GEC designed a shared use path to accommodate pedestrians and bicyclists, improve accessibility and mobility, and provide curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings. The corridor utilizes landscaped bioswales to capture and slow runoff while simultaneously providing beautification of the area. Main St. was redesigned to accommodate on street parking, sidewalks were added down the entire project corridor on both sides, and bicycle lanes were added as well. Mr. Nipper provided the vertical and horizontal alignments for the project, as well as the design for Main St. The reduced travel lane widths, replacing the shoulder with a bike lane, and constructing parallel parking, curbing, sidewalks, and landscaping helped to provide a traffic calming effect to keep vehicle speeds lower. He provided the hydraulic analysis needed to convert existing open ditches along the project into subsurface drainage systems to capture and slow runoff. Mr. Nipper also provided the estimated quantities and cost estimate. The project, currently under construction, utilized the LADOTD Roadway Design Procedures and Details Manual.</p>		


FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Christopher Nipper, PE <i>Continued Resume</i>
06/17-Present SECTION 17 PROJECT	H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA. Road Design - Project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Mr. Nipper was responsible for the hydraulic design of the proposed bridge decks, the westbound proposed bridge vertical curve, and for calculating elevations along bridge bents and girders. He is assisting with final plans in accordance with LADOTD's Roadway Design Procedures and Details Manual which are more than 95% complete.
06/17-10/18	H.012783 / WB VETERANS, SEVERN AVE. – CLEARVIEW PKWY.: Jefferson Parish, LA. Co-Designer – This project involved the milling and overlay of Veterans Blvd. Two new drainage systems were also designed along with graphical grades to reduce ponding along the roadway. Mr. Nipper was involved with checking the design of the drainage systems, along with the design of the typical sections. He also calculated quantities and estimated costs associated with the project.
01/23-04/23	OVERLAY THE WEST CAUSEWAY APPROACH ROAD AT CHINCHUBA BAYOU: St Tammany Parish, LA. Road Design Engineer - This project involved the rehabilitation of an existing roadway for the Greater New Orleans Expressway Commission. The rehabilitation included milling and overlaying the existing roadway, installing new pavement markers, and redesigning the existing guard rail in order to meet current safety standards. Mr. Nipper was responsible for the development of the construction plans, the design of the new guard rail, and calculating quantities.
12/23-04/24	NORTH CAUSEWAY APPROACH ROAD OVERLAY: St Tammany Parish, LA. Road Design Engineer - This project involved the rehabilitation of an existing roadway for the Greater New Orleans Expressway Commission. The rehabilitation included milling and overlaying the existing roadway, installing new pavement markers, and redesigning the existing guard rail in order to meet current safety standards. Mr. Nipper was responsible for the development of the construction plans, the design of the new guard rail, and calculating quantities.
02/19-07/20	ST. TAMMANY PARISH GOVERNMENT, I-10 SERVICE ROAD BRIDGE REPLACEMENTS: St Tammany Parish, LA. Road Design Engineer - The project included the replacement of two slab span bridges, Mr. Nipper was responsible for the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Mr. Nipper designed the new roadway approaches to the new bridge and calculated all of the quantities and estimated the construction cost for the project.
04/19-05/20	H.013542 / CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. Design Engineer - Mr. Nipper provided all investigations, preliminary plans, and preparation of final construction contract plans for the replacement of the Chevelle Drive and Sarasota Drive Bridges in East Baton Rouge Parish. Mr. Nipper provided the horizontal and vertical alignments, calculated the quantities, and prepared the cost estimate for both bridge sites. He also performed a hydraulic analysis and prepared a hydraulics report for each bridge.
2017	LA 3152, CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA. Designer - This project involved the milling and overlaying of LA 3152 and new pavement marking and signage. Along with the milling and overlaying, turn lanes were being added, extended, etc., so new pavement sections were designed. Mr. Nipper was involved in checking and correcting the plans. He checked and calculated quantities and the estimated costs.
02/20-05/25 SECTION 17 PROJECT	H.013897 / I-10 & I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Roadway Design - This project involved the redesign of the I-10 WB/I-12 WB merger, and the College Dr. Off Ramp. The existing I-12 WB was realigned to run alongside the existing I-12 EB lanes, and the existing I-10 WB bridge over I-12 EB was raised, widened, and lengthened to provide room for the realigned I-12 WB lanes. Separate dedicated off ramps to College Dr. were provided from I-10 WB and I-12 WB. Mr. Nipper performed all of the geometric design for the project, and developed all of the roadway construction plans. Mr. Nipper was responsible for the hydraulic analysis and design for the entire project, and developed the hydraulic calculations and report. Mr. Nipper was also responsible for calculating quantities for all of the roadway and hydraulic portions of the project.
08/23-Present	44-25040 / IJA OFF-SYSTEM BRIDGE PROGRAM, DISTRICT 61 LESS EBR: East & West Feliciana, Iberville, Pointe Coupee, West Baton Rouge, Ascension, and Assumption Parishes, LA. Project Manager & Road Design Engineer - This project involved the spot replacement of 13 bridges across seven Parishes. Mr. Nipper was responsible for managing design for all 13 bridges. He also designed several of the bridges, including all vertical and horizontal geometry required. Other tasks performed on these bridges included designing required guard rail, performing the hydraulic analysis and developing hydraulic reports, and establishing limits for required right-of-way. He also developed construction plans and calculated quantities required for construction.

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Jerome Lohmann, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	10
TITLE	Senior Project Manager	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	32
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1984 / Civil Engineering; A.A.S / 1977 / Surveying	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		24673 / Louisiana / 09-30-2026	
YEAR REGISTERED	1992	DISCIPLINE	Civil Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Road Design QA/QC	
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).		
	<p><i>Mr. Lohmann has served as Project Manager/Design Engineer responsible for the design and management of projects ranging from off-system bridge replacements or entity overlays to interstate widening and major interchanges. Mr. Lohmann has completed and/or managed preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects, including providing hydraulic analysis and design of drainage features on roadway construction projects in accordance with the current edition of DOTD's Hydraulics Manual. He has experience with reviewing existing data, as-built plans, improvement studies, boring information, traffic data, and field reconnaissance. He has experience designing plans in accordance with the latest Louisiana Standard Specifications for Highways and Bridges and in the current editions of DOTD's Roadway Design Procedures and Details Manual, Bridge Design Manual, Hydraulics Manual, EDSM I.1.1.11, Guidance for PRR Projects, 3R Minimum Design Guidelines and DOTD Pavement PRR Minimum Design Guidelines, and DOTD Minimum Design Guidelines. This includes the LASAFE Airline and Main Street project, currently under construction, which utilized the LADOTD Roadway Design Procedures and Details Manual. In addition, he is currently managing 90% final design plans for the I-10 Williams to Veterans project utilizing LADOTD Design Procedures and Details. He reviews Design Reports, Design Exceptions, and Design Waivers as needed for road design projects. He has also developed Level 2 Transportation Management Plans for roadway construction projects after a stage 0 has been completed.</i></p>		
09/19-04/24	<p>LASAFE-AIRLINE & MAIN COMPLETE STREETS: LaPlace, LA. <i>Project Manager</i> - Mr. Lohmann managed the development of typical sections and preliminary layout for the project in accordance with LADOTD's Roadway Design Procedures and Details Manual, which consists of a 10' & 5' sidewalk along the north side of US 61 for improved accessibility and mobility and curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings. Existing ditches will have pipes added & be reshaped to provide detention ponds to reduce time of concentration. Along Main St., design will provide parallel parking utilizing decorative brick & permeable base to reduce time of concentration. He oversaw the calculation of preliminary quantities & development of a preliminary estimated construction cost. He proposed the conceptual design to the Parish & received approval. He also oversaw development of the fee for all costs.</p>		
09/20-Present	<p>BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. <i>Project Manager</i> - Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter roadway with subsurface drainage, bridge replacement, green infrastructure, extended turn lanes, upgraded signage, signal improvements, highly visible lane markings, protected merge and turn lanes, rumble strips, and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek. Based on the load rating, GEC recommended that the existing bridge be replaced and feature he pedestrian facilities with barriers to separate pedestrians/bicyclists from vehicular traffic. This project included a level 2 TMP.</p>		
02/24-Present	<p>H.015372 / WILLOW STREET AREA IMPROVEMENTS: Lafayette Parish, LA. <i>Road Design Engineer</i> - This project involved the redesign of local roads adjacent to Willow St. and Evangeline Thruway, and the redesign of Willow St. itself. The local roads included the redesign of two frontage roads that run parallel with Evangeline Thruway; the redesign and extension of an existing side street; and the widening and partial redesign of Willow St. For the project's preliminary plans, Mr. Lohmann provides project management, along with review of the hydraulic calculations and construction plans.</p>		
08/23-Present	<p>44-25040 / IJA OFF-SYSTEM BRIDGE PROGRAM, DISTRICT 61 LESS EBR: East & West Feliciana, Iberville, Pointe Coupee, West Baton Rouge, Ascension, and Assumption Parishes, LA. <i>Senior Project Manager</i> - Mr. Lohmann is the senior project manager responsible for project review and assists the design engineers as needed. He is also responsible for QA/QC.</p>		


FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Jerome Lohmann, PE <i>Continued Resume</i>
12/21-Present	SHARP ROAD: Mandeville, LA. Project Manager - Mr. Lohmann is managing the preparation of preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction. Design increases safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists.
11/15-Present SECTION 17 PROJECT	H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA. Project Manager - GEC is currently designing the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish. Mr. Lohmann is currently managing final design plans which are over 95% complete in accordance with DOTD's Roadway Design Procedures and Details Manual. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Included in the project is the replacement and widening of the bridges over Canal No. 3 and Veterans Blvd. Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, form part of this project. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. Mr. Lohmann provided design in the preliminary plans phase and design review of the roadway during the final plans phase. This project included a level 2 Transportation Management Plan (TMP).
08/01-05/02	258-33-0001 / BLUEBONNET BOULEVARD EXTENSION (NICHOLSON DR. TO BURBANK DR.): Baton Rouge, LA. Project Manager - Mr. Lohmann completed preliminary plans for the widening of Bluebonnet Blvd. to a 4- and 5-lane urban section for approximately 2.5 miles. He was responsible for project administration and management, coordination of subconsultants, and Quality Control design. This project included a level 2 TMP.
02/20-05/25 SECTION 17 PROJECT	H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Roadway Task Lead - Mr. Lohmann was the Roadway Task Lead for the GEC/Boh Bros. team. Mr. Lohmann provided the roadway construction plans for this project and was responsible for the geometric layout for the entire project, ensuring conformance to DOTD and AASHTO standards. GEC was responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project. He also participated in the Level 4 Transportation Management Plan (TMP).
11/15-08/16	H.011435 / US 11 IMPROVEMENTS AT SCHNEIDER CANAL: Slidell, LA. Project Manager - The project elevated US 11 at the levee so that ongoing construction of the levee (in separate projects by the Parish) could continue beyond this point without a break in flood protection at the highway. The road section is a divided two-lane raised median with full-width shoulders and curb & gutter drainage to reduce the risk of road flooding and water hazards for motorists. Safety modifications include signage and striping improvements and intersection safety modifications. The highway remained on-grade on embankment and was raised approximately 10 feet at the levee. Approximately 2,300 feet of the highway was affected. GEC accomplished all aspects of design with its own in-house personnel, excluding geotechnical services. GEC completed the construction plans for this project in the summer of 2016. It incorporates an improved curbed road section including a raised median and a bike path. This project was the first project ever designed with LADOTD specifications that included a levee. Mr. Lohmann designed approximately 2,700' of divided two lane and multi-lane roadway to raise the roadway over the levee on Schneider Canal. This project included a level 2 Transportation Management Plan (TMP).
02/19-Present	MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA. Project Manager - GEC is preparing plans, specifications, and estimates for the removal and replacement of an existing asphalt and concrete pavement and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. As PM, Mr. Lohmann has provided contract management, assists with design reviews, and performed fee negotiation.
02/17-10/17	H.008046 / LA 3152: CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA. Project Manager - This project involved the milling and overlaying of LA 3152 and new pavement marking and signage. Along with the milling and overlaying, turns lanes were being added, extended, etc., so new pavement sections were designed. Responsibilities included Scope, Fee project management and QA/QC associated with this project.
06/17-10/18	H.012783 / WB VETERANS, SEVERN AVE. – CLEARVIEW PKWY.: Jefferson Parish, LA. Project Manager - This PRR project which included letter (8.5x11) size plans involved the milling and overlay of Veterans Blvd. Two new drainage systems were also designed along with graphical grades to reduce ponding along the roadway. Mr. Lohmann's responsibilities included scope, fee project management, and QA/QC.

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Bliss Bernard, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	3
TITLE	Vice President Environmental / Business Development	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	8
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 2014 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	42709 / Louisiana / 03-31-2027		
YEAR REGISTERED	2018	DISCIPLINE	Civil Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Road Design, Environmental (as needed)		
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).		
	<p><i>Mrs. Bernard is a licensed Professional Engineer, experienced with a range of engineering projects including roadway design, environmental planning, water resources coastal/habitat restoration, and traffic and safety engineering. She has extensive knowledge of NEPA regulations and has served as the Project Manager on several Environmental Assessments and Environmental Impact Statements and has assisted in processing numerous environmental permits and documents for local, state, and federal agencies. Mrs. Bernard served as the Project Manager for the Louisiana Strategic Highway Safety Plan and was actively involved in statewide, regional, and local coalitions in establishing plans to improve safety to ultimately reach Destination Zero Deaths. Mrs. Bernard is proficient in ArcGIS, Microstation, HEC-RAS, HEC-HMS, LADOTD's HYDRWIN, and has completed the ATSSA TCT, TCS, and Certified Flagger training courses, NHI Course NEPA & the Transportation Decision-Making Process, the LADOTD Highway Safety Manual Course, and the LADOTD Traffic Engineering Process and Report Training Modules 1, 2, and 3.</i></p>		
10/22-Present	<p>H.004100 / I-10 CMAR, LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, LA. Project Engineer - Mrs. Bernard assisted with the preparation of the incident management plan, public and stakeholder outreach, and the NEPA re-evaluation document. The plan was developed for preparation of construction of Phase 1 and consisted of a planned and coordinated multi-disciplinary process to detect, respond to, and clear traffic incidents so that traffic flow may be restored as safely and quickly as possible. She assisted in identifying emergency staging locations, detour routes, emergency access locations, and queue clearing locations. Mrs. Bernard also assisted with the preparation and submittal of the Corps permit for the LSU Lakes Bridge. Mrs. Bernard has assisted with public and stakeholder outreach, preparing presentation materials, and providing updates on the project to inform stakeholders of progress. Mrs. Bernard assisted in the development of the NEPA Re-Evaluation document which contained re-evaluation for seven modifications along the corridor. She performed an Environmental Justice (EJ) analysis and developed all EJ sections of the document.</p>		
06/15-05/17	<p>H.011790 / RIVER ROAD NORTH WIDENING AND OVERLAY: Denham Springs, LA. Engineer Intern & Project Manager - Mrs. Bernard assisted in engineering design to widen & overlay the existing River Road North roadway between Centerville Street and North Range Avenue in Denham Springs, LA, for approximately 1.2 miles. Mrs. Bernard assisted in the design of preliminary and final roadway plans and developed construction documents for the project. These plans were in accordance with LADOTD Design Guidelines for Preservation Projects. Due to the superelevation, curves, guardrails, bridge structures, drainage, and sidewalk features, a more detailed preservation plan set was developed. She served as the project manager for this project, coordinated between utility companies, LADOTD, and sub-contractors, and assisted with the permitting effort at the bridge crossing.</p>		
01/16-04/17	<p>H.011014 LA 3002: U-TURN: Denham Springs, LA. Engineer Intern & Project Manager - Mrs. Bernard served as the Project Manager and assisted with the preliminary and final plans for the proposed LA 3002 U-Turn in Denham Springs, Louisiana. This project provides for the construction of a U-Turn between North Range Road and South Range Road (LA 3002), subsurface drainage, and roadway striping modifications. She assisted with the environmental categorical exclusion, preliminary and final design plans, which included the design of a new roadway, widening existing roadways, intersection improvements, signage and striping, and subsurface drainage. She developed final plan documents, which included title sheet, typical sections, plan and profile sheets, drainage plan and profile sheets, quantities, geometric layout, detail sheets, cross sections, and completed a subsurface drainage analysis using LADOTD's HYDRWIN program.</p>		
05/17-05/20	<p>H.001271 CANE RIVER BRIDGE CHURCH STREET ENVIRONMENTAL ASSESSMENT: Natchitoches Parish, LA. Project Manager - Mrs. Bernard served as the project manager. Prime consultant assisted LADOTD and FHWA to formulate a concise public document, or EA. She provided planning, public outreach, & engineering & environmental services necessary to gauge public support & document information necessary for LADOTD and FHWA to</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Bliss Bernard, PE <i>Continued Resume</i>
	reach an environmental decision as required by NEPA. She analyzed project impacts by coordinating and assisting in developing various technical studies, including line & grade study, GIS mapping, wetland delineation & threatened and endangered species study, phase 1 EA, air & noise impact studies, and cultural resources surveys. She directed all activities for numerous stakeholder meetings, public meetings, and public hearings. Through the compilation of all studies required by NEPA and public and agency involvement, she developed the Final EA for the replacement of the Cane River Bridge. She developed and received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State of Louisiana. She developed a Finding of No Significant Impact (FONSI) document, which was approved by FHWA and LADOTD. This document was provided to FHWA and will be used as a template for future FONSI developed in partnership with LADOTD.
02/18-12/21	H.006459 RODDY ROAD/CHURCHPOINT ROAD ROUNDABOUT: Ascension Parish, LA. Project Manager - Mrs. Bernard served as Project Manager on this project re-design. Due to funding restrictions, the project was not constructed in a timely manner, and Ascension Parish issued the prime consultant with the project in 2018 to update the original submittals. She directed survey crews and traffic data collection crews in updating existing topographic survey and traffic data to update outdated information. Using this information, she developed an updated intersection study report and environmental categorical exclusion report. She assisted in updating all other prior plan documents in accordance with new LADOTD standards including geotechnical and pavement design, engineering plans, drainage plans, right-of-way maps, and all other bid and construction documents.
06/19-09/20	STAGE 0 FEASIBILITY STUDY OF MODERN ROUNDABOUTS: Lafayette Parish, LA. Engineer - The project entailed developing Stage 0 Feasibility Studies for 30 conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Mrs. Bernard served as an engineer, and was responsible for data collection, feasibility studies, environmental inventory, and conceptual design of numerous roundabouts. She developed feasibility reports and environmental inventory reports in accordance with LADOTD. She managed the traffic sub-consultant, ensuring quality control of all submittals.
06/14-09/15	H.011248 / JULIA STREET WIDENING AND OVERLAY & H.011249 MAPLE STREET OVERLAY: Denham Springs, LA. Engineer Intern - Mrs. Bernard assisted with the Stage 0 and Stage 3 LADOTD Services for the Julia Street and Maple Street Overlay Projects in Denham Springs. She assisted in the preparation of the Stage 0 Study and subsequent categorical exclusion. Mrs. Bernard assisted in the development of preliminary and final plans, ensuring compliance with LADOTD standards. She attended project meetings, made site visits to determine roadway characteristics, and assisted in the preparation of the letter size plan set in accordance with LADOTD Design Guidelines for Preservation Projects. She also completed a drainage analysis of the proposed storm sewer system utilizing LADOTD's hydraulic software HYDRWIN.
03/24-Present	H.004279.5 / I-49 CONNECTOR, LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE: Lafayette, LA. Project Manager/Engineer - GEC is serving as a sub-consultant for the I-49 Connector Project and provides program management and project controls, ITS design, road and bridge design, lighting and power systems design, environmental evaluations, and quality control. Mrs. Bernard is an engineer developing the project management plan (PMP), assisting with the initial financial plan (IFP) and the cost and schedule risk assessment (CSRA).
06/14-05/20	H.972169.1 (4400005388) AND 4400002481. LOUISIANA DOTD SHSP IMPLEMENTATION: Statewide. Project Manager - The SHSP is data driven and includes proven strategies for reducing traffic fatalities and injuries on Louisiana roadways. Ms. Bernard served as the Project Manager and provided technical assistance to the SHSP, facilitated breakout sessions, and prepared meeting documents at regional coalition meetings, statewide emphasis area team meetings, and implementation team meetings. She assisted LADOTD in providing onsite and remote technical assistance for other road user programs/projects, including bicyclist, pedestrians, transit, drivers, and other users and programs. Ms. Bernard assisted with developing detailed action plans for each emphasis area in the SHSP, assisting emphasis area teams and regional safety coalitions in developing new strategies, coordinating the statewide action plans with the regional safety coalition action plans, providing emphasis area team and regional safety coalitions with support as needed, maintaining the overall SHSP public and partner involvement process, refining the SHSP project selection process, and various other tasks in establishing an SHSP for the State of Louisiana.

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Keith Rebello, PhD, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	27
TITLE	Structural Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	8
DEGREE(S) / YEARS / SPECIALIZATION		BS / 1983 / Civil Engineering; MS / 1986 / Civil Engineering; PhD / 1990 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		24937 / Louisiana / 03-31-2027	
YEAR REGISTERED	1992	DISCIPLINE	Civil Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Bridge Design	
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).		
	<p><i>Dr. Rebello has 35 years of structural engineering experience designing cast-in-place slab spans and precast prestressed (LG type) girder bridges. He performed research work on non-linear deformation behavior of pre-stressed concrete bridges. He has designed and managed a variety of structural projects involving complex interstate and highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, water and wastewater treatment facilities, hurricane protection systems & hydraulic structures. He has experience in rating of bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTOWare Bridge Rating (Virtis) software and finite element analysis where required.</i></p>		
09/20-Present	<p>BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Bridge Design - GEC has designed the widening of Bluebonnet Blvd. to include an additional lane in each direction. Dr. Rebello performed an investigation of the bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This investigation started with an in-depth inspection of the bridge superstructure and substructure. The Inspection Report provided Condition Ratings for the superstructure, substructure, and piles. The Condition Ratings were used in the performance of a bridge load rating based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. The rating indicated the need to replace the existing bridges. The new precast prestressed (LG type) girder bridges will provide five lanes of traffic (three through and two turn lanes) in the southbound direction and three lanes of through traffic in the northbound direction. The southbound bridge will have a clear roadway width of 58'-0" made up of five 11'-0" lanes and two 1'-6" shoulders. On the northbound bridge, three 11'-0" lanes and two 1'-6" shoulders will provide a clear roadway width of 38'-0". The bridges will have a 10'-0" wide multi-mode sidewalk (southbound) and a 5'-0" wide pedestrian sidewalk (northbound). (City-Parish Project No. 19-CP-HC-0034)</p>		
02/20-05/25	<p>H.013897 / I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, LA. Bridge Task Lead - Dr. Rebello was the Bridge Task Lead for the GEC/Boh Bros. team. He was responsible for engineering and design quality services necessary to complete the design and construction of the I-10 & I-12 College Dr. Flyover Project. The Flyover was designed and construction plans were developed to permit a two-phase construction in order to maintain at least two lanes of traffic at all times. Dr. Rebello designed the two-span continuous (180 feet per span) steel superstructure for the flyover as well as rolled steel girder spans for widening the existing I-10 westbound bridge over Ward Creek. He has additionally designed and developed plans for Retaining Walls for the entire project.</p>		
01/23-04/23	<p>OVERLAY THE WEST CAUSEWAY APPROACH ROAD AT CHINCHUBA BAYOU: Mandeville, LA. Design Engineer - This project involved the rehabilitation of an existing roadway for the Greater New Orleans Expressway Commission. The rehabilitation included milling and overlaying the existing roadway, installing new pavement markers, and redesigning the existing guard rail in order to meet current safety standards. Dr. Rebello was responsible for the development of the construction plans, and the design of the new guard rail.</p>		
11/18-07/20	<p>I-10 SERVICE ROAD BRIDGES: Slidell, LA. Project Manager (Structural) - This project included the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal and 5-span 100' long slab span bridge with 30-degree skew over French Branch Canal. Dr. Rebello was the structural project manager for this project and oversaw the structural design, plan preparation and quality control.</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Keith Rebello, PhD, PE <i>Continued Resume</i>
10/20-Present	H.004100 / I-10, LA 415 TO ESSEN LANE: Baton Rouge, LA. Structural Engineer - Dr. Rebello designed a two-span truss spanning a future widened I-10 near Dalrymple Dr. to support multiple Dynamic Message Signs as part of the ITS portion of this project. Additionally, he designed light pole supports on retaining wall caps. All designs are in accordance with "AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals".
04/13-07/21 SECTION 17 PROJECT	H.011207 & H.011239 / LA 1 BRIDGE, LEEVILLE TO GOLDEN MEADOW: Lafourche Parish, LA. Structural Engineer - Dr. Rebello served as a Structural Engineer as part of a team involved in the design of the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. The variably widened portion of the bridge consisted of prestressed concrete Type III girder spans. The new bridge portions are supported on special new Louisiana (LG) girders. Dr. Rebello performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening. Dr. Rebello was responsible for ensuring that all updated AASHTO and LADOTD specifications were incorporated into the design. Once the widening was deemed feasible, and all design completed, Dr. Rebello performed an as-designed rating on the entire structure.
06/12-Present SECTION 17 PROJECT	H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA. Structural Engineer - Dr. Rebello was in charge of bridge load rating of existing bridges, bridge design management, and structural design for this complex project. Dr. Rebello supervised and performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.58 mile urban interstate project. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made regarding widening or replacing the existing bridges. The data supported bridge replacement. Dr. Rebello supervised the structural design of all components of the replacement bridges – deep foundations, bridge piers, and steel and pre-stressed concrete bridge superstructure design, including composite pre-stress and steel girder span. All pre-stress girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specifications. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design.
08/05-07/13 SECTION 17 PROJECT	700-28-0004 / US 71/165 FORT BUHLOW BRIDGE AND APPROACHES: Alexandria/Pineville, LA. Structural Engineer - Dr. Rebello performed preliminary design of a new 0.6-mile bridge spanning the Red River. He developed alternative designs employing pre-stressed concrete and steel girder spans and segmental concrete box girders spans. He prepared preliminary plan alternative layouts for curved steel girder ramps and bridge plans for an overpass over a railroad, using conventional precast pre-stressed concrete girders. Ultimately, the bridge was designed with AASHTO 72" Type BT girder spans and a 1000', 3-span steel girder unit over the channel.
04/19-06/23	CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. Structural Engineer - This project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long slab span bridge. Both bridges have pedestrian sidewalks and are located in Baton Rouge, Louisiana. Dr. Rebello was the Project Manager for this project and oversaw the structural design, plan preparation, quantity estimates, as-designed rating, and quality control.
07/09-06/12	LAKE PONTCHARTRAIN, LA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Jefferson Parish, LA. Structural QA - Dr. Rebello performed bridge and structural design in the final phases of this project which included 1200' of new NB and SB elevated bridge structures from 6th street to foot of existing bridge with 40-foot-high structure mounted light fixtures. Design consisted of slab spans & Type III PPC girder spans. Design also included a floodwall (T-wall) at existing levee crossing grade.
07/09-Present	GNOEC, INSPECTION OF THE CAUSEWAY BRIDGE AND APPROACHES: Jefferson and St Tammany Parishes, LA. Load Rating Structural Engineer - Dr. Rebello is the primary Load Rating Structural Engineer on this project. Federal Law 39 FR 10430 requires that all bridges on public roads be inspected and rated in accordance with National Bridge Inspection Standards (NBIS), 23 CFR Part 650, Subpart C. As Consulting Engineer for the Greater New Orleans Expressway Commission (GNOEC), GEC is responsible for the NBIS inspection and load rating for all GNOEC-owned bridges. Dr. Rebello has performed superstructure ratings for double-leaf steel Bascule Spans, prestressed concrete box girder spans, prestressed concrete monolithic girder and slab spans, and, composite steel girder and concrete deck spans on the GNOEC owned system. All rating has been done in accordance with American Association of State Highway Transportation Officials (AASHTO) Manual for Bridge Evaluation.

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Varaprasad Venkata, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	18
TITLE	Senior Civil / Structural Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	10
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1992 / Civil Engineering; M.S. / 1995 / Structural Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		40594 / Louisiana / 09-30-2026	
YEAR REGISTERED	2016	DISCIPLINE	Structural Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Bridge Design	
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).		
	<p><i>Mr. Venkata has 28 years of structural engineering experience involving highway bridges, low & high mast light pole supports, highway sign supports, hurricane protection systems, water treatment and distribution facilities, and industrial structures. He has provided design services for state agencies inclusive of FHWA funding, tolling commissions, as well as non-state entities and private industry. His design experience includes AASHTO structural sign supports for highway signs, traffic signal supports, camera pole platforms and supports, DMS sign supports and main platforms, and low and high mast light pole attachments and foundations. His bridge design experience includes the widening of existing structures and new structures for highly congested interstates and major highways, which includes, but not limited to, the design of pile bents, column bents, PSC girders, concrete deck, pre-stressed Type III girder spans, and steel girders.</i></p>		
09/20-Present	<p>BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Bridge Design - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Venkata performed QC checks on bridge rating calculations to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM and AASHTO Manual of Bridge Evaluation. Based on the load rating, it was recommended that the existing bridge be replaced. Mr. Venkata performed the feasibility review of phased construction of the new precast prestressed (LG type) girder replacement bridge, maintaining two lanes of traffic in each direction during all phases of construction. He developed a new widened bridge layout plan with 3-phases of construction. Pedestrian facilities will continue across the bridges and will feature barriers to separate pedestrians/bicyclists from vehicular traffic. (City-Parish Project No. 19-CP-HC-0034)</p>		
02/20-05/25 SECTION 17 PROJECT	<p>H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Primary Bridge Engineer - Mr. Venkata was the Primary Bridge Engineer for the I-10 & I-12 College Dr. Flyover Design-Build Project. He designed and supervised the design of concrete girder spans for the Flyover and concrete decks for both the Flyover and Ward Creek Bridge. Additionally, Mr. Venkata designed and supervised plan development for all Substructures, Median Barriers, and Moment Slabs on the project. He also developed the plans for the phased replacement of deck joints on the Ward Creek Bridge, to ensure maintenance of 5 lanes of traffic on I-10 westbound. Mr. Venkata also analyzed and designed the median barriers to support structure mount low mast poles. He designed foundations for ground mount high and low mast pole support foundations and reviewed shop drawings and pole design calculations submittals.</p>		
07/12-Present SECTION 17 PROJECT	<p>H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA. Structural Engineer - Mr. Venkata performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28-mile urban interstate. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made on whether to widen or replace the existing bridges at Veterans crossing. Mr. Venkata performed structural design of Pile bents, column bents, LG type PSC Girders, steel plate girders, bearing pads, deck slabs, curtain walls for new Southbound bridge, Northbound bridge and off Ramp to Veterans Blvd. in accordance with AASHTO LRFD Bridge design specifications and LADOTD BDEM. He also assisted in the development of plans and specs. Mr. Venkata worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LADOTD Bridge design standards. In addition, Mr. Venkata provided design of two structure-mounted trusses (overhead and cantilever) for relocated signs.</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Varaprasad Venkata, PE <i>Continued Resume</i>
03/17-Present	H.004273.5 / I-49 CONNECTOR: Lafayette Parish, LA. Structural Engineer - This 5-mile project begins south of Lafayette Regional Airport and continues north to I-10/US 167/I-49 interchange. Mr. Venkata checked structural calculations for span optimization and three-span continuous steel tub girders as a viable alternative to other bridge span types. He performed substructure design calculations & cost analysis.
11/18-07/20	I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA. Structural Engineer - This project included the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal & 5 span 100 feet long slab span bridge with 30-degree skew over French Branch Canal. Mr. Venkata worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications & LADOTD Bridge design standards.
10/23-Present	44-25040 / IJA OFF-SYSTEM BRIDGE PROGRAM, DISTRICT 61 LESS EBR: East & West Feliciana, Iberville, Pointe Coupee, West Baton Rouge, Ascension, and Assumption Parishes, LA. Structural Engineer - Projects include the design of a bridge spot replacement of off-system bridges. The design is in accordance with the Federal Aid Off-System Highway Bridge Program. Mr. Venkata's tasks include preparation of Structural general notes, Bridge general plan, Foundation layout, Pile data tables and preparing abstract of bridge quantities. Mr. Venkata is also responsible for the design of deck and pile bents when the LADOTD standard bridge plans are not applicable due to site specific conditions like phased construction requirement.
04/19-12/21	CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. Structural Engineer - This project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long (20', 20', 25', 20', 20') slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Mr. Venkata is performing the final design calculations, plan preparation and as-designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications, the AASHTO Manual for Bridge Evaluation, and the LADOTD Bridge Design Manual. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)
2006-2011	HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA. Structural Design - Mr. Venkata designed new bridge crossings at both Ward's Creek and Old Ward's Creek and tied to completed intersection improvements at Perkins Road and at Airline Highway. The bridges are 240' (6 spans at 40') and 160' (4 spans at 40') in length respectively composed of quad beams or 24" pile bents all designed from AASHTO LRFD.
07/16-08/17	PALMISANO BLVD. IMPROVEMENTS: Chalmette, LA. Structural Engineer - GEC designed improvements to the drainage system encompassing Plaza Dr. and Palmisano Blvd. from E. St. Bernard Hwy. to the outfall on the 20 Arpent Canal, including improvements to the lift station, which required a new concrete foundation and adjacent concrete pavement. GEC also provided design and plan preparation of one 3-span (20', 26', 20'), 66' long concrete slab span bridge with median. Mr. Venkata performed structural design calculation check for the 3 span bridge as a part of the Q.C. process. (07/16-08/17)
2005-2010	700-28-0004 / US 71/165 FORT BUHLOW BRIDGE AND APPROACHES OVER THE RED RIVER: Alexandria, LA. Structural Engineer - Mr. Venkata performed final structural design of pile supporting column bents for approaches on both northbound & southbound bridges. He performed checking of design calculations for the 72" deep Bulb-T prestressed girder design for approaches as part of the QC process. He also checked the pier design for the main bridge which was a continuous steel girder unit consisting of spans of 300', 400' and 300' for a total length of 1000'. GEC prepared final bridge and roadway plans after completing feasibility, line and grade study, traffic study & environmental assessment.
07/09-06/12	LAKE PONTCHARTRAIN, LA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Metairie, LA. Structural Engineer - Mr. Venkata performed final structural design of widened portion of abutments for both North/Southbound bridges and pile founded inverted T-type floodwall (194 feet) and tie-ins to the existing levees for Causeway Bridge at South Shore. This reach consists of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs shall bring the hurricane protection to the Phase II 100-year level. The professional services required of GEC included detailed engineering and design (E&D), preparation of a Design Report (DR), preparation of plans and specifications (P&S), and E&D support during advertisement.

FIRM EMPLOYED BY Ardaman & Associates, Inc.			
NAME	Megan Bourgeois, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	19
TITLE	Principle Engineer / Assistant Branch Manager	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2006 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		36725 / Louisiana / 03-31-2026	
YEAR REGISTERED	2011	DISCIPLINE	Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Geotechnical Project Manager	
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).		
<i>19 years of experience</i>	<p><i>Ms. Bourgeois has more than 19 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. She also has extensive experience with geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has served as Ardaman's project manager for many LADOTD projects for bridges and roadways throughout Louisiana and completed numerous geotechnical investigations, engineering, and reporting in accordance with LADOTD standards. She has successfully overseen several major contracts for LADOTD and other clients. Ms. Bourgeois also serves as the director of our geotechnical engineering and CMT laboratories in Baton Rouge and has overseen the laboratory testing programs in accordance with LADOTD standards. In this role, she supervises the laboratory managers, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.</i></p>		
07/23-Ongoing	<p>SP NO. H.013284 / MRB SOUTH GBRL - LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Engineer. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Ms. Bourgeois helped oversee supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.</p>		
07/21-01/22	<p>SP NO. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Project Manager. Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 geophysical survey transects. A majority of the soil borings were completed from a barge over deep water, some from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program and processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining geotechnical data under a strict deadline to be used in the design of a replacement of the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.</p>		
04/21-Ongoing	<p>SP NOS. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Engineer. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, over various size rivers and creeks. Ms. Bourgeois leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.</p>		

FIRM EMPLOYED BY Ardaman & Associates, Inc.	
NAME	Megan Bourgeois, PE <i>Continued Resume</i>
02/20-Ongoing	SP NO. H.004791 / DESIGN SUPPORT SERVICES LA 23, BELLE CHASSE BRIDGE & TUNNEL: Plaquemine Parish, LA. Project Engineer/Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well as quality control and review of all acceptance verification sampling and testing during construction.
10/15-Ongoing	SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA. Project Manager. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge. Ms. Bourgeois managed all aspects of the project that included field investigations, laboratory testing, and engineering design. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. She is currently assisting with the field construction monitoring.
10/09-Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Project Manager. Ms. Bourgeois manages this multi-million-dollar, highly technical project consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. She managed a highly technical team including academia, experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction, x-ray scanning to identify existing shearing planes and stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation program for this project including vibrating wire piezometers, Casagrande type piezometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures including design and evaluation of large foundation structures and developed technically feasible solutions to mitigate ground movement. She co-authored the geotechnical analysis and design report. She is currently overseeing the comprehensive monitoring program.
09/22-Ongoing	EVANGELINE ROAD & CN RAILROAD CULVERT: St. Charles Parish, LA. Project Engineer. Ardaman completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.
07/23-Ongoing	SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA. Project Engineer. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.


FIRM EMPLOYED BY Ardaman & Associates, Inc.			
NAME	Robert Jewell, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	18
TITLE	Project Engineer / Branch Manager	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2009 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		38579 / Louisiana / 09-30-2026	
YEAR REGISTERED	2013	DISCIPLINE	Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Geotechnical Project Engineer	
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).		
<i>18 years of experience</i>	<p><i>Mr. Jewell serves as the manager of our Baton Rouge office and has over 15 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation. In particular, he has over 15 years of experience performing, analyzing, and reporting for PDA testing.</i></p>		
07/23-Ongoing	<p>SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA. Project Manager. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. Jewell managed supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped oversee the preliminary engineering analyses which included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.</p>		
07/21-Ongoing	<p>SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Manager. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. Jewell currently oversee all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. Jewell helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.</p>		
09/22-Ongoing	<p>EVANGELINE ROAD & CN RAILROAD CULVERT: St. Charles Parish, LA. Project Manager. Ardaman completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.</p>		
07/23-Ongoing	<p>SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA. Project Manager. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.</p>		
07/09-08/11	<p>SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA. Assistant Project Engineer. Mr. Jewell served in the field as on-site geotechnical engineer during construction for this project. He oversaw and conducted dynamic monitoring using the Pile Driving Analyzer (PDA), performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.</p>		

FIRM EMPLOYED BY Ardaman & Associates, Inc.	
NAME	Robert Jewell, PE <i>Continued Resume</i>
10/18-11/21	SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Project Manager. This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. Jewell managed and oversaw the preparation of the preliminary design and planning report. Mr. Jewell also oversaw the field construction services consisting of PDA monitoring, CAPWAP analyses, bi-directional load cell load tests, and settlement monitoring. The PDA program consisted of monitoring PPC piles during initial drive and restrikes to allow for evaluation of setup and early acceptance of pile resistances.
10/15-Ongoing	SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA. Project Engineer. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge. Mr. Jewell helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. Mr. Jewell is currently overseeing the construction phase which includes PDA monitoring, CAPWAP analyses, indicator/monitor piles, static load testing, and settlement monitoring.
07/15-Ongoing	SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Project Manager. The project consists of construction of 5 miles of freeway consisting of a 3.5-mile elevated structure from I-10 to the Airport in Lafayette, LA. Mr. Jewell oversaw the completion of the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings, and laboratory testing program per LADOTD guidelines. Mr. Jewell oversaw the completion of the Geotechnical Data Report and assisted with technical reviews pertaining to selection of design reaches, geotechnical design of pile and drilled shaft foundations, drivability, slope stability, earth retaining structures, settlement analyses and construction testing program recommendations, including an advanced test pile program. He is currently overseeing development of the Phase 2 field and laboratory program for each segment.
04/14-Ongoing	SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241 (LA 36-LA435): St. Tammany Parish, LA. Project Manager. Mr. Jewell oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. He assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Mr. Jewell oversaw the construction phase which included PDA monitoring, CAPWAP analyses, indicator/monitor piles, and settlement monitoring.
10/09-Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Project Engineer. Mr. Jewell assisted in several aspects of engineering for this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. This project consisted of a comprehensive laboratory testing program and refinement of the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. Mr. Jewell helped managed the field investigations and instrumentation programs, along with review of the field data and engineering reporting.

FIRM EMPLOYED BY		Ardaman & Associates, Inc.	
NAME	Mark Woodward, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	7
TITLE	Principal Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	36
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1982 / Civil Engineering M.S. / 1986 / Civil Engineering M.S. / 2019 / Risk Management	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		24206 / Louisiana / 09-30-2025	
YEAR REGISTERED	1991	DISCIPLINE	Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Geotechnical Principal Engineer	
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).		
43 years of experience	<p><i>Mr. Woodward served as a geotechnical engineer for 36 years in the geotechnical branch of USACE New Orleans District, retiring as the Deputy Chief of the Geotechnical Branch and Dam and Levee Safety Program Manager. He was responsible for managing all departments in the branch including engineering, drilling, soils laboratory, dredge material testing, concrete testing, and administration. Mr. Woodward has considerable experience designing and managing various types of projects on the Mississippi River, Atchafalaya Basin and Storm Surge Levees in Southeast Louisiana, Mississippi and Texas, as well as mitigation and coastal projects in Louisiana. These projects included design of major foundation elements for dams, earthen levees, hydraulic structures, floodwalls, revetments, channel stabilization, bank degrading, ground improvement, deep excavations, relief wells, wick drains, dewatering systems, seepage and stability berms, preloads, reinforced levees and marsh creation for mitigation, coastal restoration and protection and beneficial use of dredge material in marsh and coastal environments with field investigations requiring use of specialized marine and marsh drilling equipment. Since 2018, Mr. Woodward has served as Principal Geotechnical Engineer of Ardaman for Louisiana, Mississippi, Alabama, Arkansas, and Texas. Mr. Woodward provides oversight and review of design major foundation elements for transportation, industrial, commercial, and municipal projects.</i></p>		
04/21-01/2025	<p>SP NO. H.013987 / RURAL BRIDGES PHASE I: Claiborne Parish, LA. Principal Engineer. The Rural Bridges project initiative consists of replacing many older bridges throughout the State of Louisiana. Mr. Woodward provided review of the geotechnical design including pile foundations for 3 bridges.</p>		
01/19-12/23	<p>SP NO. H.008226 / CHENIERE SPILLWAY & BRIDGE REPLACEMENT: Ouachita Parish, LA. Principal Engineer. Mr. Woodward served as the Principal Engineer for this project which included the replacement of the current damaged spillway and bridge structure in Ouachita Parish, Louisiana.</p>		
10/18-11/21	<p>SP NO H.003370 / I-220 I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIRFORCE BASE ACCESS ROAD: Bossier Parish, LA. Principal Engineer. This Design Build project consisted of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from Interstate 20 in Shreveport, Louisiana. Mr. Woodward provided quality assurance oversight for this project, reviewing the work during the design and construction phase.</p>		
05/18-08/19	<p>SP NO. H.011152.5 / I-12 WIDENING (US 190 TO LA 59): St. Tammany Parish, LA. Principal Engineer. Mr. Woodward provided technical oversight for this project which included the widening of I-12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridge structures. Mr. Woodward provided oversight to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments</p>		
07/23-Ongoing	<p>SP NO. H.012030 / US 371 KCS RAILROAD OVERPASSES HBI: Webster Parish, LA. Principal Engineer. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.</p>		
05/18-09/19	<p>SP NO. H.001344 / US 190 LA 437 TO USE 190 BUS (PH 1): St. Tammany Parish, LA. Principal Engineer. Mr. Woodward provided technical oversight for this project which includes the widening of US 190 to a four-lane boulevard between US 437 and US 190.</p>		

FIRM EMPLOYED BY Ardaman & Associates, Inc.	
NAME	Mark Woodward, PE <i>Continued Resume</i>
05/18-07/18	IMTT ACCESS ROAD PAVEMENT, AVONDALE: Jefferson Parish, LA. Principal Engineer. Served as senior engineer for 2,200-foot-long x 50 -foot wide rigid and flexible roadway design for AASHTO loading per LADOTD guidelines, including subsurface exploration and testing, California Bearing Ratio, subbase material and thickness recommendations, wearing course thicknesses, and construction recommendations.
06/16-07/16	SOUTHEAST LOUISIANA URBAN FLOOD CONTROL, LOUISIANA AVENUE PAVING: Orleans Parish, LA. Chief of Structural Design. Served as decision maker as Chief of Structural Design, USACE New Orleans, for asphalt or concrete paving, looking at factors such as construction cost, durability, maintenance cycles and costs, constructability, construction duration, etc.
2014-2018	DAM AND LEVEE SAFETY PROGRAM, USACE NEW ORLEANS DISTRICT: LA. Dam and Levee Safety Program Manager. Mr. Woodward served as the USACE New Orleans District Levee Safety Program Manager for over four years, responsible for Levee Evaluation Reports for Levee Certifications and the National Flood Insurance Program, Levee Inspection Reports on over 1300 miles of levee on an annual basis, Risk Assessments and Communication for all levees in the District's jurisdiction. Responsible for final Section 408 permitting approval to ensure that construction activities do not increase risk or diminish function of levees and do not cause harm to the public.
2006	HOMEPLACE LEVEE WITH GROUND IMPROVEMENT, P24: Plaquemines Parish, LA. Lead Geotechnical Engineer. In the aftermath of Hurricane Katrina, Mr. Woodward was assigned to USACE Task Force Guardian as Geotechnical Engineer for Plaquemines Parish to restore levee damage to pre-Katrina conditions. The Homeplace Floodwall had translated due to loading and had to be removed. In order to replace the risk reduction system with an earthen levee, the foundation had to be improved. Using knowledge gained from full scale test section Mr. Woodward had coordinated pre-Katrina for Deep Mixing. Mr. Woodward designed ground improvement and reviewed/ approved all construction submittals and oversaw construction.

FIRM EMPLOYED BY Vectura Consulting Services, LLC				
NAME	Sheelagh Brin Ferlito, PE, PTOE		YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	10
TITLE	Supervisor-Eng		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	27
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1988 / Civil Engineer		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		25383 / Louisiana / 09-30-2025		
YEAR REGISTERED	1993	DISCIPLINE	Civil Engineer	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Traffic		
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).			
07/21 - current	H.007160 - EBR COMPUTERIZED TRAFFIC SIGNAL, PHASE VB (BATON ROUGE, LA): Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.			
07/19 – current	MOVEBR NEW CAPACITY PROJECTS PROGRAM MANAGEMENT (BATON ROUGE, LA): Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.			
07/19 – current	H.004791 DOTD BELLE CHASSE BRIDGE & TUNNEL REPLACEMENT PPP (BELLE CHASSE, LA): Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by DOTD.			
09/20 – 12/21	H.010960.5 LA 30 ROUNDABOUTS AT TANGER I-10 (ASCENSION PARISH, LA): Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.			
07/18 – 04/19	LA 1 PEDESTRIAN CROSSWALK STUDY AND TRAFFIC / PEDESTRIAN SIGNAL DESIGN (WEST BATON ROUGE PARISH, ADDIS, LA): Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.			
09/17-04/18	US 11 AT US 190 BUS. (FREMAUX AVE.) PEDESTRIAN CROSSWALK STUDY AND TRAFFIC / PEDESTRIAN SIGNAL EQUIPMENT DESIGN (SLIDELL, LA): Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.			
04/14 – 12/14	H.002301 SIGNAL DESIGN FOR N. SHERWOOD FOREST DR. WIDENING PROJECT (BATON ROUGE, LA): As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.			

FIRM EMPLOYED BY G.E.C., Inc.			
NAME	Brian Buckel, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	12
TITLE	Senior Vice President, Construction Division	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	31
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1981 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		21816 / Louisiana / 09-30-2025	
YEAR REGISTERED	1985	DISCIPLINE	Civil Engineer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Constructability Reviews	
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).		
	<p><i>Mr. Buckel joined GEC after 31 years of service with the Louisiana Department of Transportation and Development. He served as chief construction engineer for LADOTD from 2006 to 2012, where he managed the Construction Section as well as policy setting of construction projects. Additionally, he served as district construction engineer for seven years, managing the seven parishes under District 02. Mr. Buckel served as an area engineer throughout the state of Louisiana for seven years and was a project engineer in the New Orleans area for several years. As Chief Construction Engineer, he directed policy implementation, testing, and inspection of all asphalt pavement construction statewide. Building on his asphalt mix and laydown experience as project engineer and District Construction Engineer, he led the state into significant asphalt pavement innovations such as Superpave and warm mix. He has a working knowledge of major construction in urban areas, the constraints on operations, the control of traffic and public safety, the maintenance of traffic, and contract time with the CPM method used by LADOTD.</i></p>		
01/24-Present	<p>H.003931.6 / CALCASIEU RIVER BRIDGE OV: Calcasieu Parish, LA. Co-Project Manager and Project Engineer - Mr. Buckel is Project Manager for this alternative delivery P3 project to design and construct improvements to I-10 between the I-10/I-210 west interchange and the North Lakeshore/Ryan Street interchange in Calcasieu Parish. Mr. Buckel participates in project meetings. He is assisting with the overall project management and will be the lead Project Engineer for construction when it begins.</p>		
02/20-04/23	<p>H.010601 / I-10 WIDENING, LA 347 TO LA 328: St. Martin Parish, LA. Principal in Charge - Mr. Buckel served as Project Engineer until October 2018 and was Principal-in-Charge of this project which included total reconstruction of the existing lanes both east and westbound of I-10, widening the east and westbound I-10 with a 12-foot lane and 10 foot shoulders, removal of two I-10 structures over a Parish Road, construction of a new overpass over I-10, median barrier construction and related work. GEC provided staff augmentation, including the professional engineer and material management.</p>		
05/17-12/22	<p>4400004729; H.003014 / I-10 WIDENING, LA 347 TO ATCHAFALAYA FLOODWAY BRIDGE ROUTE: St Martin Parish, LA. Principal in Charge - Mr. Buckel served as both Project Engineer and Principal-in-Charge of this project which included full-depth replacement of the pavement within the existing lanes, widening the westbound pavement surface, widening the LA 347 WB overpass, construction of 2 roundabouts on LA 347, and installing concrete median protection. Pavement striping, raised markers, and rumble strips were also installed. Post construction, eastbound I-10 was striped with two 12-foot travel lanes, a 12-foot outside shoulder, and a 6-foot inside shoulder. The westbound pavement was striped for three 12-foot travel lanes, a 12-foot outside shoulder, and a 16-foot inside shoulder. A 54-inch-tall concrete median barrier was also installed in portions of the project corridor. Openings in the barrier are located at the LA 347 interchange, the Bayou Portage bridge crossing, in forested areas of the median, and at approved median crossings. GEC also inspected the installation of street lighting at the intersection.</p>		
09/20-12/21	<p>I-10 SERVICE ROAD BRIDGES: Slidell, LA. Construction Engineer - This project includes the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal and 5 span 100 feet long slab span bridge with 30-degree skew over French Branch Canal. Mr. Buckel oversaw the construction engineering and inspection for this project.</p>		
02/14-07/18	<p>H.004932 / US (90) FUTURE I-49 SOUTH, LA 318 INTERCHANGE, ROUTE US 90: St Mary Parish, LA. Principal in Charge - GEC was the Owner Verification Firm (OVF) for this Design-Build Project which included CE&I, Right-of-Way Acquisition and Utility Relocation. As LADOTD’s OVF representative, Mr. Buckel served as Principal-in-Charge. GEC provided CE&I oversight of the Contractor’s QA firm for compliance with base course, embankment, asphalt paving, and Portland cement concrete paving.</p>		

FIRM EMPLOYED BY SJB Group, L.L.C.				
NAME	Matthew Estopinal, PE, PLS		YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	3
TITLE	Principal / CEO		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	15
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2009 / Civil Engineering; B.S. / 1996 / Microbiology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE / 39151 / Louisiana / 03-31-2027 PLS / 4955/ Louisiana / 03-31-2027		
YEAR REGISTERED	PE / 2014 PLS / 2006	DISCIPLINE	Civil Professional Land Surveyor	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Survey QA/QC		
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).			
18 years of experience	<i>Mr. Estopinal has 19 years of experience as a PLS in Louisiana managing transportation and community development-related projects for private clients, MOVEBR, and LA DOTD. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.</i>			
08/24 - Present	LA DOTD PROJECT NO. H.003931 – I-10 CALCASIEU RIVER BRIDGE P3 PROJECT: Survey Support/ QA/QC. SJB Group provided an additional Topographic Survey, a Property Survey and Right-of-Way Mapping for this project which is the largest in LA DOTD history. This project covers a 5.5 mile stretch of Interstate 10 and includes 15 bridges and 19 ramps. Mr. Estopinal assisted with title research and boundary analysis, overseeing field activities and supervising the preparation of the primary control sketch, property survey and base Right-of-Way Maps, providing QA/QC for all activities			
07/21 - 10/23	LA DOTD PROJECT NO. H.004100.5 – I-10 LA 415 TO ESSEN ON I-10 AND I-12: QA/QC. SJB Group provided a Property Survey and Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility			
08/20 - 04/24	LA DOTD 44-17597 - RURAL BRIDGE REPLACEMENT INITIATIVE, DISTRICTS 03, 07, 61, 62: QA/QC. SJB Group performed topographic surveying, property surveying, Right-of-Way Maps, and roadway design of 33 bridge replacements in Districts 03, 07, 61, and 62 as a sub-consultant to Burk-Kleinpeter within their contract with LA DOTD. The Surveys were provided in accordance with the current Locations and Survey Manual and Addendum A.			
04/23 - 09/23	LA DOTD PROJECT NO. H.017322.5 – MORGAN CITY SIDEWALKS & SHARED USE PATH, ST. MARY PARISH: QA/QC. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Surveying, and Subsurface Utility Engineering to assist in the installation of handicapped ramps, drainage structures, and sidewalk improvements. This project included sidewalk and crosswalk evaluations, and design improvements to ADA Standards.			
03/22 - 08/23	LA DOTD PROJECT NO. H.012685.5 – LA 385 RYAN STREET INTERSECTION IMPROVEMENTS: QA/QC Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 near the campus of McNeese State University. The survey data was collected utilizing mobile lidar methodologies and supplemented by conventional data collection in specified areas			
07/21 - 02/22	LA DOTD PROJECT NO. H.013715.5 – LA 77 UNION PACIFIC RAILROAD CROSSING (IBERVILLE): QA/QC. This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state-maintained highway, and city streets. The project included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area.			
07/21 - 08/22	LA DOTD PROJECT NO. H.002176.50 – LA 10 BRIDGES: QA/QC. The LA 10 Bridges project in St. Landry Parish included Property Surveying and Right-of-Way Mapping for three sites. The property survey depicted the affected properties, the existing Right-of-Way for LA Hwy 10, and multiple state-claimed water bodies.			

FIRM EMPLOYED BY SJB Group, L.L.C.	
NAME	Matthew Estopinal, PE, PLS <i>Continued Resume</i>
07/21 - 10/21	LA DOTD PROJECT NO. H.007963 – BLACKWATER BAYOU BRIDGE: Project Manager/QA/QC. This project required replacement of the Bayou River Bridge and a diversion road during construction along LA Hwy 410 in East Baton Rouge Parish near the City/Town of Central. This project involved Property Surveys, Right-of-Way Maps, and title take-offs.
10/23 - 4/25	LA DOTD PROJECT NO. H.15487.5 – NEW ORLEANS PEDESTRIAN IMPROVEMENTS: QA/QC. SJB Group Conducted Mobile LiDAR scanning for the project which included a Topographic Survey and Right-of-Way Mapping of fifty-five intersections in the downtown area of New Orleans, Louisiana. Additionally, the project included the determination of the existing right-of-way for the specific streets and LA DOTD roadways.
07/21 - 05/24	H.012001 LA 339 CANAL & CREEK BRIDGES: QA/QC The project required the removal and replacement of bridge structures along LA 339 in Vermillion Parish near the Town of Erath. The project encompassed 3 separate sites that required property surveys including Right-of-Way Determination and property analysis. The property map set was produced in accordance with LA DOTD requirements
09/16 - 09/18	LA DOTD PROJECT NO. H.012232 – LA 3064 TO LA 1428 PHASE II: Surveyor of Record/Project Manager. This project in East Baton Rouge Parish included Property Surveying and Right-of-Way Mapping for the proposed Dijon Drive Extension. The proposed right-of-way was utilized to prepare Base Right-of-Way Maps. Final Right-of-Way Maps and parcel input file descriptions for acquisition parcels. All surveying was performed to LA DOTD Location & Survey Section requirements.
10/23 - 4/25	LA DOTD PROJECT NO. H.15487.5 – NEW ORLEANS PEDESTRIAN IMPROVEMENTS: QA/QC. SJB Group Conducted Mobile LiDAR scanning for the project which included a Topographic Survey and Right-of-Way Mapping of fifty-five intersections in the downtown area of New Orleans, Louisiana. Additionally, the project included the determination of the existing right-of-way for the specific streets and LA DOTD roadways.
07/21 - 05/24	H.012001 LA 339 CANAL & CREEK BRIDGES: QA/QC The project required the removal and replacement of bridge structures along LA 339 in Vermillion Parish near the Town of Erath. The project encompassed 3 separate sites that required property surveys including Right-of-Way Determination and property analysis. The property map set was produced in accordance with LA DOTD requirements
09/16 - 09/18	LA DOTD PROJECT NO. H.012232 – LA 3064 TO LA 1428 PHASE II: Surveyor of Record/Project Manager. This project in East Baton Rouge Parish included Property Surveying and Right-of-Way Mapping for the proposed Dijon Drive Extension. The proposed right-of-way was utilized to prepare Base Right-of-Way Maps. Final Right-of-Way Maps and parcel input file descriptions for acquisition parcels. All surveying was performed to LA DOTD Location & Survey Section requirements.

FIRM EMPLOYED BY		SJB Group, L.L.C.	
NAME	Karen Kennedy, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	4
TITLE	Vice President of Engineering	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	30
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1995 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE / 28547 / Louisiana / 09-30-2025	
YEAR REGISTERED	1999	DISCIPLINE	Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Survey QA/QC	
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).		
34 years of experience	<i>Mrs. Kennedy has over 26 years of experience as a licensed civil engineer working in both the municipal and private sectors. Ms. Kennedy 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.</i>		
8/24–Ongoing	LA DOTD PROJECT NO. H.003931 CALCASIEU RIVER BRIDGE PUBLIC: Utility Coordinator. SJB Group, LLC is providing Utility Coordination for the I-10 Calcasieu River Bridge project—LA DOTD’s largest to date. Coordination supports utility relocations in a dense industrial corridor, ensuring timely construction and budget compliance throughout project duration.		
11/20 - 6/24	STATE PROJECT NO. H.013029 CONTROL SECTION NO. 454-01 I-12 @ SHERWOOD FOREST PED/BIKE SAFETY: Engineer of Record. This project consisted of a topographic survey, utility investigation and engineering design for multiuse paths on both sides of South Sherwood Forest Boulevard extending from South Harrells Ferry Road northward to Old Hammond Hwy. The project aimed to not only improve pedestrian and bicycle mobility by connecting to the existing bike lanes north of Old Hammond Hwy but also had a goal of improving pedestrian safety especially at the interstate interchanges. Working with MOVEBR and LA DOTD, SJB along with Gresham Smith developed appropriate pedestrian crossings to minimize impact on vehicular traffic, while also greatly enhancing overall safety. The project is the first of its kind for this type of interstate crossing in Baton Rouge and the surrounding regions.		
10/22 – 5/23	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 – 09/23	LA DOTD TASK ORDER NO. H.001820.5-3 – LA 485 BRIDGES NEAR ALLEN CONSTRUCTION INSPECTION: SUE 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. SJB Group will complete ASCE 38-02 Quality Level D services for the project. 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.		
04/22 – 06/22	ST. BERNARD PARISH WATER TREATMENT PLANTS SUE: Project Manager/SUE Engineer of Record. 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 was 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.		

FIRM EMPLOYED BY SJB Group, L.L.C.	
NAME	Karen Kennedy, PE <i>Continued Resume</i>
03/22 – 08/22	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.
01/22 – 06/22	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 involved 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 was 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): 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 – 4/24	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.
8/21 – 2/22	LA DOTD PROJECT NO. H.012851 – UP RR CORRIDOR (PLAQUEMINE): 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 Belleview Drive and Railroad Avenue

FIRM EMPLOYED BY		SJB Group, L.L.C.	
NAME	Ralph Burgess, PLS	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1
TITLE	Project Manager - Transportation	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	26
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2004 / Industrial Technology Design	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		5040 / Louisiana / 09-30-2026	
YEAR REGISTERED	2010	DISCIPLINE	Professional Land Surveyor
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Survey Project Manager	
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).		
27 years of experience	<i>Ralph Burgess, PLS, ensures projects stay on schedule, coordinates crew activities, oversees office production, reviews title work, and final plans. Ralph also conducts final quality control on deliverables before they are submitted to the Client. With a strong background in Topographic and Right-of-Way surveys for LA DOTD, he is well-versed in Location and Survey policies and procedures.</i>		
04/24 - 04/25	LA DOTD 44-25027, INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) OFF SYSTEM BRIDGE PROGRAM DISTRICT 08, LA: Sr. Project Manager. The project included the completion of Property Surveys, and Right-of-Way Maps for the replacement of 4 bridges (Cutt's Bayou, Harrisonburg, Lakeside Loop, & Gaspard Road). Responsible for field crew coordination, project QA/QC, title research & review, and deliverables preparation. Surveys were performed at LA DOTD Location and Survey.		
10/23 - 04/24	LA DOTD H.011235 I-49 VEROT SCHOOL ROAD, LAFAYETTE, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys, base Right-of-Way Maps, and final Right-of-Way Maps that were required for the project. Responsible for field crew coordination, review of title takeoff & title reports, review of Right-of-Way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standards.		
02/21 - 07/22	LA DOTD H.013955 LA 961 BRIDE AT SANDY CREEK, WEST FELICIANA PARISH, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys, base Right-of-Way Maps, and final Right-of-Way Maps that were required for the project. Responsible for field crew coordination, review of title takeoff & title reports, review of right-of-way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standard.		
02/21 - 07/22	LA DOTD H.013956 LA 961 BRIDGE AT BEAMON RD. BAYOU MARINGOUIN, POINTE COUPEE PARISH, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys, base Right-of-Way Maps, and final Right-of-Way Maps that were required for the project. Responsible for field crew coordination, review of title takeoff & title reports, Right-of-Way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standard.		
07/20 - 10/21	LA DOTD H.013989 GREYBOW RD. PALMETTO CREEK, BEAUREGARD PARISH, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys, base Right-of-Way Maps, and final Right-of-Way Maps that were required for the project. Responsible for field crew coordination, review of title takeoff & title reports, Right-of-Way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standard.		
01/21 - 06/21	LA DOTD H.013959 REEDS BRIDGE RD. CALCASIEU RIVER RELIEF, ALLEN PARISH, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys, base Right-of-Way Maps, and final Right-of-Way Maps that were required for the project. Responsible for field crew coordination, review of title takeoff & title reports, review of right-of-way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standard.		

FIRM EMPLOYED BY SJB Group, L.L.C.	
NAME	Ralph Burgess, PLS <i>Continued Resume</i>
02/14 – 03/17	LA DOTD H.010620 US 90 (I-49 SOUTH) ALBERTSON'S PARKWAY TO AMBASSADOR CAFFERY - LAFAYETTE PARISH DESIGN-BUILD PROJECT, LAFAYETTE, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys and existing Right-of-Way Maps that were required for the project. Responsible for field crew coordination, title takeoff & review of title reports, Right-of-Way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standards.
10/15 – 01/16	LA DOTD H.011773 HANKS DR/LANDIS DRIVE PEDESTRIAN IMPROVEMENTS EAST BATON ROUGE PARISH, LA: Surveyor of Record / Project Manager. The project included the completion of Property Surveys, base Right-of-Way Maps, and final Right-of-Way Maps that were required for the project. Responsible for field crew coordination, review of title takeoff & title reports, review of Right-of-Way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standards.
09/10 – 10/15	LA DOTD H.002372 LA 42 WIDENING AND IMPROVEMENTS, ASCENSION PARISH, LA: Surveyor of Record / Project Manager. The project included the Right-of-Way staking and final Right-of-Way Record Drawings for the project. Responsible for field crew coordination, review of Right-of-Way plans and design plans, Right-of-Way calculations, review production of maps, final QA/QC, and final deliverables to the Client. The Surveys were performed to LA DOTD Location and Survey Standards.

17. Firm Experience

FIRM NAME	G.E.C., Inc.		DISCIPLINE(S)*	Road, Bridge	**
PROJECT NAME	US 71/165 Fort Buhlow Bridge and Approaches - KCS Railroad Overpass			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	700-28-0004	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Alexandria/Pineville, Louisiana		OWNER'S PROJECT MANAGER	Joechim Umeozulu, PE	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, 225.379.1386, umeozulu@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/1995	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 9,400		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	06/2013	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 9,000		

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

GEC performed structural design and developed **final bridge and roadway construction plans for a bridge over the KCS Railroad at Fort Buhlow**, after having previously completed a bridge feasibility, a line and grade study, traffic study, and an environmental assessment of the project area.

The bridge consists of twin spans (northbound and southbound) with a length of 1200 feet. Each bridge has a constant deck roadway width of 40 feet. The deck is supported by 6 parallel AASHTO Type IV girders and spans are either 2-span continuous units or simple spans varying in length from 95 feet to 100 feet.

The span across the KCS Railroad is a simply-supported skewed span, 100 feet in length. The span provides a minimum vertical clearance of 23'-9" above the railroad track. The span also provides space for a 22'-0" wide future railroad access road.

GEC also provided construction support for the project which included responding to RFIs, shop drawing and bridge component submittal reviews, and assisting the Contractor with ensuring that the railroad use was not impacted during construction.



GEC provided design of the bridge over the KCS Railroad in Alexandria without impacting the railroad during construction.

Firm Members Involved: Cary Bourgeois, PE, Keith Rebello, PhD, PE, Varaprasad Venkata, PE

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	G.E.C., Inc.		DISCIPLINE(S)*	Road, Bridge	**
PROJECT NAME	I-10 & I-12 College Dr Flyover Ramp Design-Build			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	H.013897	OWNER'S NAME	LADOTD		
PROJECT LOCATION	East Baton Rouge Parish, Louisiana		OWNER'S PROJECT MANAGER	Peggy Jo Paine	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1065, Peggy.paine@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	02/2020	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 6,079		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	05/2025	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 4,025		

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

The BOH/GEC Team provided engineering and construction services for this Design-Build project which provides improved access to College Dr from westbound I-10 and I-12.

GEC implemented an innovative design which **simplified the traffic movement on a new alignment that addressed impacts to surrounding areas** and which was unforeseen in previous studies and design. This design also reduced the footprint established by NEPA documentation. The Team's design improves the flow of traffic and safety by improving the I-10/I-12 merge through the elimination of lane changes that must occur when I-10 WB traffic exits at College Drive. GEC's design achieves this by realigning the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment, completely replacing the I-10 WB Overpass Bridge with a new structure at a bridge width which accommodates both the I-10 WB through lanes and the I-10 WB College Drive exit ramp, and utilizes the existing I-12 WB pavement for the I-12 WB College Drive exit ramp. Improvements to the I-12/I-10 exit lane with College Drive intersection are also included.

GEC provided environmental compliance plans and permitting services, including adhering to and updating NEPA Documentation, environmental mitigation, wetland mitigation, SWPPP, tree impact plan, and permit modification services. GEC also revised the existing network study and conceptual alternatives analysis (line and grade alternatives), ROW acquisition plan, hurricane preparedness and evacuation plan, safety plans, and the Interchange Modification Report (IMR). GEC also provided public/stakeholder outreach and conducted public meetings.

GEC was the task lead for road and bridge design, in addition to design of the new I-10 westbound bridge and rehabilitation plans for the I-12 to I-10 Flyover and Essen Lane overpass. GEC also designed the **widening of the I-10 westbound bridge over Ward Creek**. The new bridge structure is comprised of three 55' long simple spans composed of rolled steel girders with a cast in place concrete deck. **GEC's design services included the rehabilitation of the existing bridge and replacement of the deck joints**. GEC's design of the bridge also accommodated a sound barrier. The project required that 5 lanes of traffic be maintained at all times though this heavily traveled corridor. GEC staff developed bridge plans to construct the widening and rehabilitation in multiple phases to maintain the required 5 lanes of traffic. The project required a level 4 Transportation Management Plan (TMP).

GEC provided the roadway construction plans for this project and was responsible for the geometric layout for the entire project, ensuring conformance to DOTD and AASHTO standards. GEC provided hydraulic design which included the design of several subsurface drainage systems and cross drains. GEC also performed hydraulic channel analysis to ensure the project did not negatively impact the surrounding areas. An opinion of probable cost for the project was also calculated by the GEC team and provided to the contractor. In addition to bridge and roadway design, GEC completed a photometric report and lighting plans for the design-build project. The lighting design consists of both high mast and low mast lighting. This required review of engineering shop drawings and equipment submittals from the electrical contractor.

Construction began in May 2021 and the safer traffic configuration was opened to traffic in April 2025.

Firm Members Involved: Cary Bourgeois, PE, Christopher Nipper, PE, Jerome Lohmann, PE, Keith Rebello, PhD, PE, Varaprasad Venkata, PE

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.



GEC maintained 3 lanes of traffic on I-12 WB and 2 lanes on I-10 WB throughout construction on a highly-congested interstate segment in Baton Rouge

FIRM NAME	G.E.C., Inc.		DISCIPLINE(S)*	Road, Bridge	**
PROJECT NAME	I-10 Widening, Williams Blvd. to Veterans Blvd.			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	H.003074	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Jefferson Parish, Louisiana		OWNER'S PROJECT MANAGER	Mohammad Nur	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1028, mohammad.nur@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/2012	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 7,981		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 5,088		

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

GEC is currently designing the roadway widening, new bridges, and interchanges of I-10 between Williams Boulevard and Veterans Boulevard in Jefferson Parish. All design is in accordance with the latest AASHTO LRFD Bridge Design Specifications, the LADOTD Bridge Design and Evaluation Manual (BDEM), and all LADOTD Bridge Design Technical Memoranda.

Final design plans are 95% complete and all comments have been addressed. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Included in the project is the **replacement and widening of the bridges over Canal No. 3 and Veterans Blvd.** Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, and the design of a diamond interchange (WB) and partial cloverleaf interchange (EB). GEC provided feasibility studies, road design, bridge design, electrical design, and environmental analyses for this project. The bridges over Canal No. 3 and Veterans Blvd. will be replaced with a combination of concrete slab spans, PPC girder spans, and steel plate girder spans. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. **The new GEC-designed bridges over Canal No. 3 and Veterans Blvd. will be constructed in 3 phases to maintain 3 lanes of traffic on I-10 in each direction at all times.** This project included a level 2 Transportation Management Plan (TMP).

Design includes a phased sequence of construction in order to maintain a minimum of 3 lanes of traffic during construction in peak travel hours for Jefferson Parish commuters.

PHASE I: a section of the new westbound bridge will be built in the existing median and designed to carry 3 lanes of traffic. The eastbound traffic will be diverted from the existing eastbound bridge to the new Phase I bridge in the median.

PHASE II: the existing eastbound bridge will be demolished and replaced with a new bridge designed to carry 4 lanes of traffic and one auxiliary lane. Once completed, the eastbound traffic will be re-routed from the Phase I bridge onto the new eastbound bridge. The westbound traffic will be diverted from the existing westbound bridge onto the Phase I bridge in the median.

PHASE III: the existing westbound bridge will be demolished and the second half of the new westbound bridge will be constructed. Once completed, the entire new westbound bridge will be opened to traffic and will be designed to carry 4 lanes of traffic. Sound barriers are included on the north side of the I-10 westbound bridges.

GEC performed an initial extensive load rating of the existing bridges on this stretch of I-10, resulting in LADOTD making an informed decision to replace the bridges. GEC submitted final plans for the replacement bridges and ramps for this highly congested 2.58 mile urban interstate project and completed a detailed as-designed bridge rating for this project in accordance with the AASHTO Manual for Bridge Evaluation and the LADOTD BDEM.

GEC's lighting design department has been tasked with performing lighting design on the interchanges within the project limits - namely, Williams Blvd., Power Blvd., and Veterans Blvd. The lighting design included photometric analyses of the existing lighting system with the proposed roadway geometry and analyzes the design issues found during GEC's review.

Firm Members Involved: Cary Bourgeois, PE, Christopher Nipper, PE, Jerome Lohmann, PE, Keith Rebello, PhD, PE, Varaprasad Venkata, PE

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	G.E.C., Inc.		DISCIPLINE(S)*	Road, Bridge	**
PROJECT NAME	US 71/165 Fort Buhlow Bridge and Approaches - Red River Bridge			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	700-28-0004	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Alexandria/Pineville, Louisiana		OWNER'S PROJECT MANAGER	Joechim Umeozulu, PE	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, 225.379.1386, umeozulu@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/1995	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 9,400		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	06/2013	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 9,000		

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

For this Red River Bridge replacement project, **GEC completed feasibility, line and grade, traffic studies, an environmental assessment (EA), and preliminary and final bridge and roadway plans.**

GEC performed a bridge study which involved preliminary design of plans and sections for a new bridge spanning the Red River. Alternate designs utilizing precast, pre-stressed concrete girder spans, steel girder spans, and segmental concrete box girder spans were developed. Based on the bridge study and in conjunction with LADOTD, a bridge configuration for final design was chosen.

The final bridge design consists of twin bridges, approximately 3005 feet long, crossing the Red River in the northbound and southbound directions of US 71/165. The final design uses a combination of Type BT pre-stressed girder spans, simple steel plate girder spans, and three-span continuous steel plate girder units spanning the Red River. The simple span steel girder bridge is 225 feet long, has a girder web depth of 8 feet, and crosses an existing levee.

The actual Red River Crossing is accomplished with the three continuous steel spans of 300 feet, 400 feet, and 300 feet. In plan, girders transitioned from a parallel straight girder configuration to a curved splayed configuration. Girder web depths were set at approximately 12 feet. Specially designed rocker bearings help accommodate bridge movements. The main river supports consist of column bent caps founded on single massive continuous piers supported by an array of 188, 24" diameter steel pipe piles. The Red River spans provide a minimum navigational vertical clearance of 52 feet above the 2% flow line.

In addition to preparing detailed construction documents for the Red River Bridge replacement project, GEC also provided construction support for the project. This support included responding to RFIs, shop drawing and bridge component submittal reviews, and assisting the Contractor with overcoming unexpected detrimental field conditions. Construction of the Red River Bridge project at Fort Buhlow was completed successfully in 2013.



For this Line and Grade study with Environmental Assessment, GEC completed final bridge and roadway plans with a traffic study for a new bridge spanning the Red River in Alexandria.

Firm Members Involved: Cary Bourgeois, PE, Keith Rebello, PhD, PE, Varaprasad Venkata, PE

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	G.E.C., Inc.		DISCIPLINE(S)*	Road, Bridge	**
PROJECT NAME	Leeville to Golden Meadow Phase II, LA 1 Relocation			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.011207 & H.011239 & H.004540	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Lafourche Parish, Louisiana	OWNER'S PROJECT MANAGER	Ryan Morvant, PE		
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1067, Ryan.morvant@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	04/2013	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	Unknown		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	07/2021	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 3,340		

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

GEC designed the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. This project involved the design of approximately nine miles of elevated roadway and approaches from Leeville to Golden Meadow (LA 3235). The project design incorporates "top-down" construction methods to protect sensitive wetlands and marshes. A phased construction approach allows for segmented project construction as funding becomes available.

The variably widened portion of the bridge consists of prestressed concrete Type III girder spans. The new bridge portions will be supported on special new Louisiana (LG) girders. GEC staff performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening. GEC staff ensured that all updated AASHTO and LADOTD specifications were incorporated into the design. Once the widening was deemed feasible, and all design completed, GEC staff performed an as-designed rating on the entire structure.



GEC staff performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening.

Firm Members Involved: Cary Bourgeois, PE, Keith Rebello, PhD, PE, Varaprasad Venkata, PE

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	Ardaman & Associates, Inc.		DISCIPLINE(S)*	Geotech	**
PROJECT NAME	I-20 Mississippi River Bridge Review			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	H.004646 09-L1049; H.010603.6 13-3720; H.010612.6 20-3729; H.004647.6 22-3746, 22-3753, 24-3707	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Madison Parish, LA		OWNER'S PROJECT MANAGER	Chris Nickel	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 225.379.1100, Chris.Nickel@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	10/09	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 10,881		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 10,881		

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

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has retained several consultants who have studied the problem, but no viable solution was identified. Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining extremely sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation such as Shape Accelerator Arrays, inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses. As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

Ardaman is currently managing a phase of the project which involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspects of the site and monitoring changes in topography by obtaining periodic survey data.



Firm Members Involved: Megan Bourgeois, Robert Jewell, Jarmon King, Casey Floyd, Jessica Litt

** If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.*

G.E.C., INC.

FIRM NAME	Ardaman & Associates, Inc.		DISCIPLINE(S)*	Geotech	**
PROJECT NAME	I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR)			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.004100.5	OWNER'S NAME	LADOTD		
PROJECT LOCATION	East Baton Rouge Parish, Louisiana		OWNER'S PROJECT MANAGER	Nicholas Olivier	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 225.379.1133, nicholas.olivier@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/21	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 44,000		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 1,217		

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

The Construction Management at Risk (CMAR) project scope consists of widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 mile. Ardaman is the Geotechnical Consultant on the CMAR team and is currently providing geotechnical support for Segment 1 which starts near the I-10 and I-110 split between Napoleon and St Joseph Streets to Acadian Thruway entrance and exit ramps.

Ardaman previously completed 58 soil borings and associated laboratory testing based on LADOTD standards, and 11 electronic cone penetration tests (ECPT) in the preliminary portion of the widening project between Napoleon Street and Louise Street under our current retainer contract in support of the project. In addition, Ardaman performed electrical resistivity (ER) geophysical survey transects along the entire alignment, which allowed for survey of the subsurface conditions between the boring locations. Ardaman is currently performing additional soil borings along the Segment 1 area to supplement existing data along the alignment.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile and analyze all the supplied soil boring data provide by LADOTD and the additional borings that are currently being performed. The engineering analyses consist of detailed selection of design reaches and design soil parameters, slope stability and settlement of earth retained structures, soil-structure interaction with existing structures, deep foundation design, load testing recommendations, review of load test results and refinement of design. A preliminary geotechnical assessment report was prepared, and a final geotechnical design report will be submitted.



Firm Members Involved: Robert Jewell, Megan Bourgeois, Jarmon King, Mark Woodward, Casey Floyd, Jessica Litt

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	Ardaman & Associates, Inc.		DISCIPLINE(S)*	Geotech	**
PROJECT NAME	US 371: KCS Railroad Overpasses HBI			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.012030	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Webster Parish, Louisiana		OWNER'S PROJECT MANAGER	Hamed Babaizadeh	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA, 225.379.1937, Hamed.Babaizadeh@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/2023	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$956.8		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$231.4		

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

The project consists of a geotechnical subsurface exploration and recommendations for S.P. No. H.012030, US 371: KC Railroad Overpasses HBI, with the objective of replacing two parallel bridges and one standalone bridge located on US 371 between Minden and Sibley, Louisiana. The bridges cross over Kansas City (KC) Railroad at each site. The standalone bridge near Sibley, LA was later removed from the project to be placed under another state project, however the geotechnical exploration that was performed for this site will be included in this description. The three bridges range from approximately 200 feet to 250 feet in length including 4 bents per bridge supported on drilled shafts with varying diameters.

For the geotechnical exploration phase of work, Ardaman performed 8 soil borings to a maximum depth of 110 feet below existing ground surface (bgs) targeting the proposed bridge foundations on either side of the KC railroad. Two of the soil borings were performed through the existing bridge deck within the ROW of the KC railroad while occupying one lane of US 371. Coordination with temporary traffic control services and the KC railroad temporary constructions requirements was necessary to perform these soil borings.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings. The engineering analyses included drilled shaft design and advanced test shaft program recommendations. A data report, geotechnical interpretation report, and test shaft memorandum were submitted.



Firm Members Involved: Megan Bourgeois, Robert Jewell, Jarmon King, Casey Floyd, Jessica Litt

** If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.*

G.E.C., INC.

FIRM NAME	SJB Group, L.L.C.		DISCIPLINE(S)*	Survey	**
PROJECT NAME	LA 1 to LA 415 Connector to Interstate 10			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	H.005121	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Port Allen, West Baton Rouge Parish, Louisiana		OWNER'S PROJECT MANAGER	Jonathan Herrod	
OWNER'S ADDRESS, PHONE, EMAIL	1202 Capital Access Road, Baton Rouge, LA, 225-379-1105, Jonathan.Herrod@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	10/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$1,117		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	12/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$242.9		

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

Firm's Role and Responsibilities: Topographic Survey, Subsurface Utility Engineering (SUE)

The project provides field data for the final design of a roadway to connect LA 1 to LA 415. The project is a supplement to previously performed surveying for the realignment of them due to recent development and construction. The project limits included a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas.

The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project included the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDAR survey methods utilized for the collection of data along the high traffic segments of LA 1, Interstate 10 ramps, and LA 415.

The data was processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables were provided in accordance with the LA DOTD guidelines for electronic deliverables.



Firm Members Involved: C. Tim Brewer, PLS, Tyler Foster, Phillip Dowden

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	SJB Group, L.L.C.		DISCIPLINE(S)*	Survey	**
PROJECT NAME	Morgan City Sidewalk And Shared Use Path Sue			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.013722.5	OWNER'S NAME	Digital Engineering		
PROJECT LOCATION	St. Mary Parish, Louisiana		OWNER'S PROJECT MANAGER	Stephanie Turner, PE	
OWNER'S ADDRESS, PHONE, EMAIL	527 W. Esplanade Avenue, Suite 200, Kenner, LA 70065, (504) 468-6129, STurner@deii.net				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	4/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$1,500		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$111.7		

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

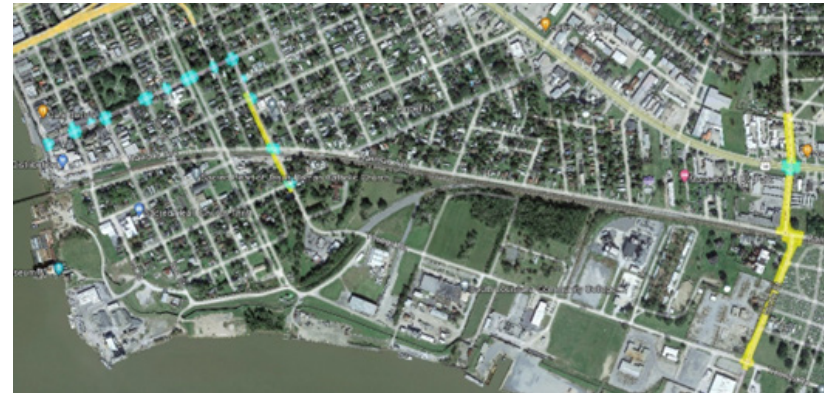
Firm's Role and Responsibilities: Subsurface Utility Engineering Quality Level "D", Subsurface Utility Engineering Quality Level "C"

This project involved Topographic Survey, Right-of-Way Mapping, Quality Level "C" Subsurface Utility Engineering, and Quality Level "D" Subsurface Utility Engineering in connection with the installation of sidewalks, handicapped ramps, drainage structures, and related work for 14 intersections and about 3,000 feet of roadway in Morgan City.

The project limits include Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. Within the project limits, SJB Group performed thorough utility surveying for all intersections and both sides of identified roadways.

In addition to the SUE services, SJB Group also performed a complete Topographic Survey within the project limits as well as Right-of-Way Mapping in the Myrtle Street segment.

The deliverables were developed in AutoCAD Civil 3D and presented in accordance with DOTD CADconform standards and all survey work was conducted in accordance with the Louisiana Department of Transportation EDSM for Engineering Surveys.



Firm Members Involved: C. Tim Brewer, PLS, Karen Kennedy, PE, Austin LaCombe, PE, Tyler Foster

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	SJB Group, L.L.C.		DISCIPLINE(S)*	Survey	**
PROJECT NAME	I-10 Calcasieu River Bridge Public-Private Partnership Project			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.003931	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Calcasieu Parish	OWNER'S PROJECT MANAGER	Paul Vaught, PE		
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1816, paul.vaughtiii@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	8/24	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$130,000		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$3,000		

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

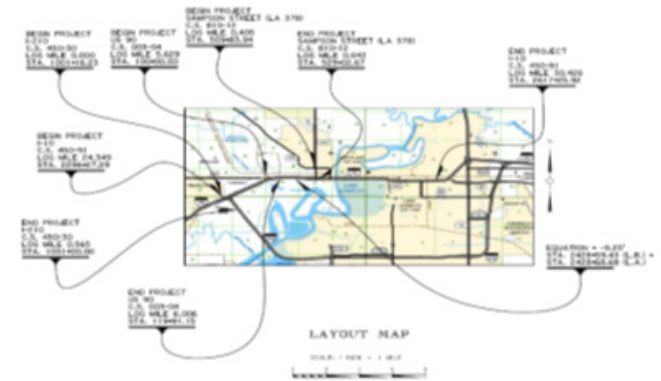
Firm's Role and Responsibilities: Property Survey, Topographic Survey, Right-of-Way Mapping, Subsurface Utility Engineering (SUE)

SJB Group is undertaking critical tasks for the I-10 Calcasieu River Bridge project, including Property Surveying, limited Topographic Surveying (to verify and supplement existing topographic surveys), and Utility Coordination throughout the project limits. This initiative is the largest in the history of the Louisiana Department of Transportation and Development (LADOTD) and one of North America's most substantial infrastructure projects commissioned in 2023. The existing bridge demolition and replacement will have a significant impact on existing properties and utility facilities within the limits of the project which is a heavily congested residential, commercial and industrial corridor.

The Property Surveying work covers a 5.5-mile stretch of Interstate 10 within the design-build boundaries. This extensive task involves thorough title research to gather existing surveys and deeds, field surveying, and mapping for all parcels along the corridor. The range of properties includes small residential lots to large commercial and industrial tracts. Right of way acquisition will be necessary for segments of the project. All property surveys and Right-of-Way Mapping will adhere to the Standards of Practice for route surveys set forth by the Louisiana Professional Engineering and Land Surveying Board, as well as LA DOTD's Location and Survey Manual requirements. The technical provisions of the project require the developer to verify and confirm the location, accuracy and datum of the survey control network provided by DOTD in the bid phase of the project. This was completed using a control network from the provided network to establish fixed horizontal coordinate results for each location of the provided control. There will also be additional topographic surveys necessary to supplement the topographic survey provided by DOTD.

The bridge relocation and the reconfiguration of interchanges will extensively impact utilities within the project limits. These utilities include both local, municipally owned infrastructure to large industrial pipelines. The coordination of these utilities' relocation is a complex, iterative process requiring collaboration with LA DOTD, developers, property owners, and utility stakeholders to ensure the project adheres to budget and schedule constraints. Key utility coordination activities include:

- Preparing conflict matrices and conflict plans to identify and resolve utility conflicts.
- Drafting and utility relocation agreements and utility permits
- Managing the development and coordination of as-built plans to document completed relocations



Firm Members Involved: Karen M. Kennedy, PE, Matthew S. Estopinal, PE, PLS, C. Tim Brewer, PLS

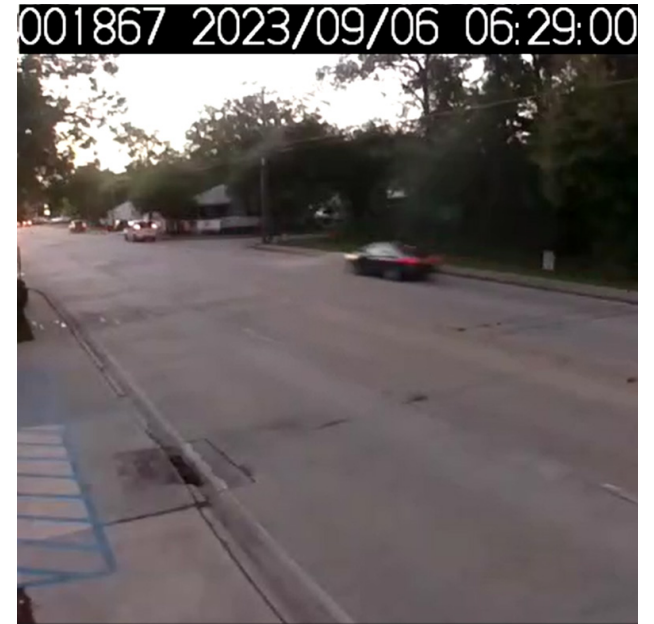
* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	Vectura Consulting Services, LLC		DISCIPLINE(S)*	Traffic	**
PROJECT NAME	Stage 0 Feasibility Study – US 190/Fremaux Avenue Sidewalk Study			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.972462.1	OWNER'S NAME	New Orleans Regional Planning Commission		
PROJECT LOCATION	Slidell, Louisiana	OWNER'S PROJECT MANAGER	Nelson Hollings		
OWNER'S ADDRESS, PHONE, EMAIL	10 Veterans Boulevard, New Orleans, LA 70124; 504-483-8523; nhollings@norpc.org				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	12/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$65		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	07/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$30		

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

Vectura was hired as a subconsultant to collect data for vehicles, pedestrians, and bicycles for a sidewalk improvement on **US 190B in Slidell, LA**. Vectura collected 7-day classification counts at two locations, 7-day ped and bike counts at two locations, six turning movement counts, three turning movement counts with demand, 15-minute driveway counts and three radar spot-speed survey. Vectura coordinated with the City of Slidell and DOTD District 62 to identify the peak periods for the turning movement counts. Vectura then processed the turning movement counts from our video camera (as shown to the right). All the data was formatted and included in the traffic report to conform to the DOTD TEPR format.



Firm Members Involved: Brin Ferlito, Laurence Lambert, Kristen Farrington, Reece Rodrigue, David Watkins, and Cade Nelson

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	Vectura Consulting Services, LLC		DISCIPLINE(S)*	Traffic	**
PROJECT NAME	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	N/A	OWNER'S NAME	City of Slidell		
PROJECT LOCATION	Slidell, Louisiana	OWNER'S PROJECT MANAGER	Eric Lundin		
OWNER'S ADDRESS, PHONE, EMAIL	250 Bouscaren St. Slidell, LA 70458, 985-646-4320, elundin@cityofslidell.org				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	9/17	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	unknown		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	11/17	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$38.8		

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

Vectura was hired as a sub-consultant to the prime consultant to perform a traffic study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). The goal of the study was to determine if a pedestrian crossing and pedestrian traffic signal heads were warranted. To conduct the pedestrian study, the following tasks were performed by Vectura:

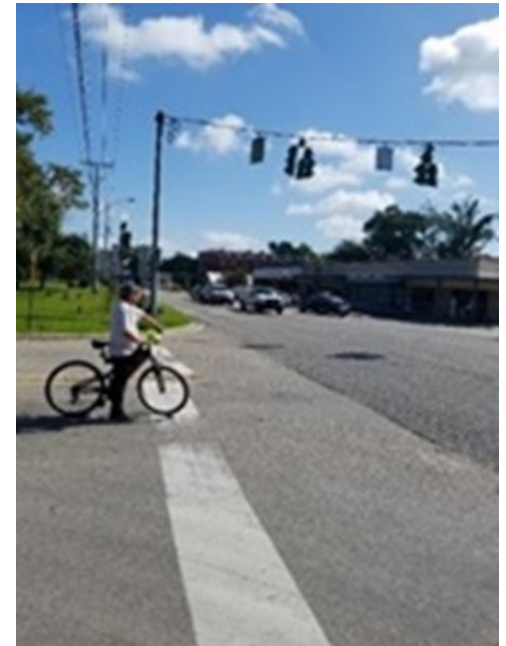
Data Collection

- AM and PM peak hour turning movement counts for five intersections
- AM / PM peak 15-minute turning movement counts for 10 driveways on Fremaux Ave.
- 24-hour traffic approach volumes, speed data, crash history and sight distance for the intersection of US 190 Bus. (Fremaux Ave.) @ US 11 (Front St).
- Weekday and weekend pedestrian counts for the intersection of US 190 Bus. (Fremaux Ave.) @ US 11 (Front St).

Draft Traffic Study

This task included a Crosswalk Traffic Study for US 190 Bus. (Fremaux Ave.) @ US 11 (Front St.) as Per DTOE, Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 6. This task included the following elements:

- Developed three-year crash analyses
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed Vistro and HCS analyses for AM and PM Peak existing conditions, Implementation and design year conditions. The analyses included intersection and segment levels of service as well as signal timing and progression for the five intersections.
- Developed traffic study and electronic files. The Study documented how traffic will be routed with the proposed median on Fremaux Ave., the impacts to Front St., and conflict analysis for the crosswalks and pedestrian heads.



Firm Members Involved: Brin Ferlito, Laurence Lambert, and Bridget Robicheaux

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

FIRM NAME	Vectura Consulting Services, LLC		DISCIPLINE(S)*	Traffic	**
PROJECT NAME	I-20: LA 544 Overpass Replacement			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.010616	OWNER'S NAME	DOTD		
PROJECT LOCATION	Baton Rouge, Louisiana		OWNER'S PROJECT MANAGER	Jacob Fusilier	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1185, Jacob.Fusilier@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	04/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	Unknown		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	10/23	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$131.973		

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

Vectura performed a Level 2 Traffic Management Plan (TMP) that included the following activities:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Traffic Management Plan (TMP)
 - safety strategy that included a CAT Scan,
 - LOS determination utilizing Citrix data,
 - lane closure recommendations based on a queue analysis,
 - cost estimate,
 - and public information strategies.



Firm Members Involved: Laurence Lambert, Brin Ferlito, Reece Rodrigue, & Kristen Farrington

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

G.E.C., INC.

18. Approach and Methodology

US 11 Norfolk Southern RR Overpass (HBI)

Summary of Experience

G.E.C., Inc. (GEC) is pleased to submit qualifications to LADOTD for the US 11 Norfolk Southern Railroad Overpass (HBI) project in St. Tammany Parish. GEC offers an experienced team of recognized experts in project management, detailed line and grade studies, and construction sequencing, each critical to the success of this project. Our roadway and structural engineers have the proven capacity to **fast-track design services**, with staff **immediately available upon Notice to Proceed**.

With a track record of delivering complex transportation projects from preliminary design through construction completion, GEC stands ready to provide LADOTD with a high-quality, efficient, and constructible solution for the US 11 Norfolk Southern Railroad Overpass.

Project Understanding

The GEC Team has gained a comprehensive understanding of the Project's scope of work, encompassing the reconstruction and widening of US 11 in Slidell from I-12 to US 190, including replacement of the US 11 Bridge over the Norfolk-Southern Railroad. GEC understands that LADOTD will provide geotechnical information, pavement design, guidance and requirements from the railroad, topographic and SUE survey, property survey related to the railroad, and the Environmental Assessment (EA). GEC has thoroughly reviewed the Environmental Assessment and is prepared to provide all engineering and related services in accordance with the EA document for this project.

GEC brings proven, local experience to this project, having successfully delivered roadway, bridge, line and grade, lighting, and environmental improvements along I-12 and US 11, as illustrated in Figure 1 and highlighted in the examples below:

US 11 IMPROVEMENTS AT SCHNEIDER CANAL: GEC produced plans & specifications in accordance with LADOTD standards for improvements to US 11 near Schneider Canal, less than 5 miles from the proposed project. The design featured an improved curbed roadway section with a raised median, access-management measures, and a bike path. To minimize disruption, GEC developed an innovative three-phase sequencing plan which maintained two-lanes of traffic throughout construction.

US 11 ENVIRONMENTAL ASSESSMENT AND LINE AND GRADE: GEC completed an Environmental Assessment from Lake Pontchartrain to Spartan Drive, including the line and grade design for the widening of approximately 2.8 miles along US 11. The proposed improvements included two 12-ft. travel lanes, 10-ft. paved shoulders, curb and gutter, and bicycle and pedestrian facilities. Access management was enhanced with raised medians, U-turns, and intersection improvements to improve traffic flow. The design also incorporated two three-legged roundabouts at Carr Drive and Eden Isles Drive, as well as construction plan development to raise US 11 approximately 10-ft. at its intersection with the flood protection levee.



Figure 1



▶ GEC maintained 3 lanes of traffic on I-12 WB and 2 lanes on I-10 WB throughout construction of the College Dr Flyover Ramp along a highly-congested interstate segment in Baton Rouge.

Project Approach

Project Management

GEC team leadership will meet with the LADOTD Project Manager to outline the scoping and scheduling requirements for this project. GEC will also meet with key project stakeholders to establish goals and needs for all involved agencies. GEC will coordinate with LADOTD to communicate project status and schedule.

GEC's PM, Christopher Nipper, PE, will develop and continuously update the project schedule, utilizing Microsoft Project or Primavera 6 throughout the project process and submit it monthly as a part of the invoice packet and with each project milestone. The schedule will include each task, estimated completion dates, percentage complete, and actual dates. Suitable reoccurring project meetings will be scheduled for both the internal team and the external team as needed as the project progresses. An estimated project schedule detailing the project time for phase 1 of this project is included. GEC will have periodic coordination meetings with the LADOTD Project Manager during the course of the project to review the project status.

Once the NTP is issued, GEC will hold a kickoff meeting with LADOTD. GEC will perform a field review and identify constraints to be discussed at this meeting. GEC will also provide the work plan, project schedule, and pre-design criteria at the kickoff meeting.

Detailed Line and Grade Studies

GEC will develop two (2) detailed line and grade studies of the project corridor using two (2) different project limits and scopes as directed. This includes 4-lane widening and bridge replacement, and a reduced project scope limited to bridge replacement only, while allowing for future widening. Each study will include design reports, utility conflicts, drainage analysis, and conceptual layouts.

GEC will utilize the information provided in the existing Environmental Assessment. GEC's

design staff will update and/or establish design criteria which will be included in the Line and Grade study. The design criteria will be based on latest official LADOTD Minimum Design Guidelines and Road Design Manual, and American Association of State Highway and Transportation Officials (AASHTO) for design speed and functional classification, and on recommendations from LADOTD.

GEC's Bliss Bernard completed a line and grade study for the Cane River Bridge Church Street EA project along with FONSI which was approved by LADOTD.

GEC will develop horizontal and vertical geometry that considers all existing conditions, including major utility and drainage features, existing residences, current roadway and bridge geometry, and constructability of the proposed roadway and bridge features. GEC will develop geometry that meets LADOTD and AASHTO design requirements and allows for traffic to be maintained during construction. The typical sections provided in the Environmental Assessment will be evaluated and adopted, or revised, as necessary to conform to the geometry developed for the line and grade study.

GEC's bridge design team will evaluate the bridge girder types, size, location, and substructure to develop optimally designed span lengths. GEC will develop bridge design criteria in accordance with the Bridge Design and Evaluation Manual, proposing the most cost-efficient and constructible bridge type, size and location while designing reasonably sized foundation elements and other elements necessary to satisfy the railroad requirements such as railway crash walls.

The GEC team is well-versed in the unique requirements of the design of bridges over railroad crossings, having designed the Fort Buhlow Bridge over the Kansas City Southern railroad in Alexandria following completion of a line and grade study and Environmental Assessment. **GEC's proposed bridge design staff, Keith and Varaprasad, provided design services for the bridges over the KCS railroad and the Red River.**

Following the completion of establishing the design criteria, preparing the horizontal and vertical alignment study, creating typical sections, evaluating utilities, and all other related tasks, GEC will prepare our findings in a Line and Grade Study Report.

GEC designed the recently constructed I-10 College Flyover Design-Build Project, a complex structure located on a horizontal curve with a heavy skew, consisting of two 184-ft. steel spans, and two 50-ft. concrete spans. **GEC's proposed bridge design staff, Keith and Varaprasad, provided all design services for the structure.**

Sequence of Construction

GEC recognizes that a critical component of this project will be the development of a viable sequence of construction that maintains one northbound and one southbound lane throughout the duration of the work, while minimizing impacts to surrounding businesses and through traffic. A key element of this effort will be coordination with Norfolk Southern Railroad, as space for a bridge construction laydown area outside of the railroad right-of-way (ROW) is not be feasible due to adjacent homes and businesses. **GEC will work closely with the railroad to identify and secure an area within the ROW near the proposed bridge to facilitate construction. This coordination will be central to ensuring that the bridge can be constructed efficiently and safely.**

GEC’s experience on similar projects demonstrates our ability to manage these challenges effectively. For example, during construction of the Fort Buhlow Bridge in Alexandria, **GEC assisted the Contractor in sequencing construction to ensure uninterrupted operations of the KCS railroad.** This proven experience, combined with our commitment to minimizing traffic and business disruptions, positions GEC to develop a constructible and well-coordinated sequencing plan for this project. GEC’s Brian Buckel will provide constructability reviews.

Preliminary Cost Estimate

Christopher Nipper will perform preliminary cost estimates for both line and grade studies. Christopher was responsible for calculating quantities for all roadway and hydraulic portions of the I-10/I-12 College Drive Flyover project.

Additional Services

GEC understands that preliminary plans, final plans, and construction support may be authorized by supplemental agreement.

The GEC Team will prepare all plans in accordance with the most current LADOTD CAD standards. Our staff of highly knowledgeable and skilled CAD personnel are experienced in utilizing Bentley’s Microstation and InRoads programs. Plan submittals for this work will adhere to LADOTD Minimum Design Guidelines, Road Design, and Bridge Design manual requirements and the latest bridge design specifications (AASHTO LRFD, BDEM, etc), summarized as follows:

BRIDGE DESIGN DETAILS	ROAD DESIGN DETAILS
<i>Includes structure type and span optimization</i>	<i>Includes typical sections and plan/profile sheets</i>
PRELIMINARY PLANS: 30%, 60%, 95% (PLAN-IN-HAND)	PRELIMINARY PLANS: 30%, 60%, 95% (Plan-in-Hand), Opinion of Probable Cost, Draft Design Exceptions, Draft Design Waivers, Draft Design Report
FINAL PLANS: 60%, 95, AND 98%/100% FINAL PLANS	FINAL PLANS: 60%, 95%, and 98%/100% Final Plans

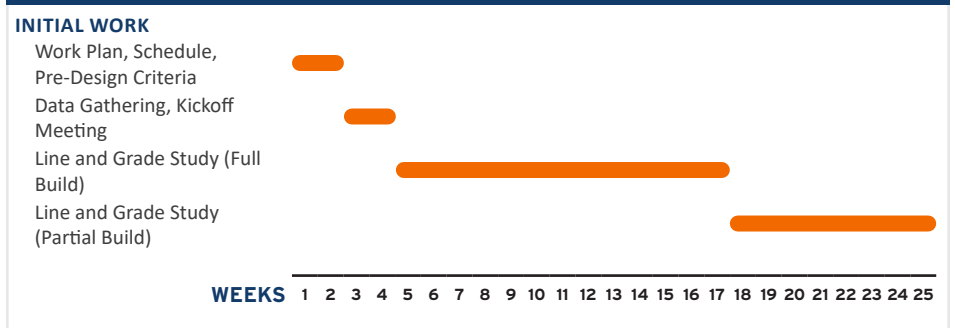
GEC understands that design plan activities will be developed under a future contract supplement following approval of the Line & Grade Study. GEC can provide all construction support services, including DOTD-certified inspection.

The GEC Team will perform all necessary tasks required as a part of the LADOTD process. Plans will adhere to the latest AASHTO LRFD Bridge Design Specifications, the Bridge Design and Evaluation Manual (BDEM), and all Bridge Design Technical Memoranda, along with the LADOTD Roadway Plan Preparation Manual, and the Hydraulics Manual. The GEC Team will prepare a preliminary report including the cost analysis and synopsis. Bridge scour calculations will be performed in accordance with the FHWA Evaluating Scour at Bridges Manual. The GEC Team will provide a complete “as designed” structural analysis of the load carrying capacity of all superstructure and structural components except cast in place and pre-cast slab spans and will be included in the rating report. If required, GEC will obtain any design waivers or exceptions necessary.

CONSTRUCTION SUPPORT

In Stage 5 of the Project Delivery process, GEC frequently provides construction support

FIGURE 2. SAMPLE PROJECT SCHEDULE



and construction related engineering for projects we have designed. GEC staff stands ready to provide pre-bid activities, bid documents, construction proposal documents, CPM scheduling, contract documents, construction support, shop drawing reviews, and plan revisions to adjust for unforeseen conditions. Construction Support shall consist of all services required to review and address Requests for Information (RFIs) from LADOTD’s Construction Contractor. GEC construction staff has experience on construction projects in the project area, including the I-10 Service Road Bridges along I-10 in Slidell. GEC resident inspectors hold active LADOTD certifications and are available to provide inspection services as needed.

As-Needed Services

Subsurface Utility Engineering, Topographic Surveys, ROW Maps GEC understands that LADOTD will provide existing topographic and SUE survey files for this project. GEC’s sub-consultant SJB will provide survey and scanning if needed, along with right-of-way maps.

Geotechnical Engineering Ardaman offers a full range of geotechnical analyses and soil testing services and has in-depth experience performing field services for LADOTD projects. Ardaman will review the provided geotechnical information and will provide geotechnical services for preliminary and final plans if needed.

Environmental Coordination Should NEPA re-evaluation or other environmental documentation be required, GEC is fully prepared to provide support. Our environmental staff have completed the NHI Course No. 142005, NEPA and the Transportation Decision-Making Process and have served as project managers and authors of numerous LADOTD NEPA documents, including CEs, EAs, EISs, FONISs, and Section 4(f) Net Benefit Statements.

Traffic Services If the project advances beyond the Line and Grade Report and warrants additional traffic studies, GEC’s sub-consultant, Vectura will evaluate the traffic in the project area to optimize the interchange geometry and traffic movement.

In compliance with LADOTD’s on-going commitment to high quality traffic engineering reports, several GEC team members have completed the three (3) modules of the Traffic Engineering Process and Report Course offered by LTRC. This includes GEC’s proposed Project Manager, Christopher Nipper, along with numerous other design professionals and traffic personnel from GEC’s traffic sub-consultant Vectura.

19. Workload

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State project number	Project name	Remaining unpaid balance**
G.E.C., Inc.	Road	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	270,903
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	130,000
		44-29196, H.016255	IDIQ Contract for Engineering & Technical Support, TO#2 – LA 1: WGS Riverplex Railroad Overpass (Sub to Stantec)	265,572
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work performed over 2 yrs. Exp 6/30/26)	70,820
G.E.C., Inc.	Bridge	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	173,240
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	550,000
		44-04900, H.004540.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	165,616
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work performed over 2 yrs. Exp 6/30/26)	414,082
		44-23434, H.000445	US 190: UPRR Overpass Near Opelousas, St. Landry Parish (Sub to AECOM)	426,109
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd.(SA#5 & EWL#6), Route I-10, Jefferson Parish, LA	216,944
		44-23923	IDIQ for Bridge Preservation (Sub to Huval) - No Task Orders Issued	N/A
G.E.C., Inc.	Environmental	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	28,897
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work performed over 2 yrs. Exp 6/30/26)	3,096
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	40,000
		H.014990.5	South Tiger Bend Rd. and East Achord Rd. Bridges (Sub to Forte & Tablada)	8,944
G.E.C., Inc.	ITS	44-25047, H.011358.2	US 190 (Vine Street Reconstruction), St. Landry Parish	599,550
G.E.C., Inc.	Other (Electrical)	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	301,419
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	518,270
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd. (SA#6), Route I-10, Jefferson Parish, LA	54,012
		44-26074, H.013617.6	IDIQ Contract for Electrical Statewide, TO#1 - I:10: I-610E Interchange Lighting	57,125
		44-26074, H.014552.6	IDIQ Contract for Electrical Statewide, TO#2 - I-49: LA 31 Interchange Lighting	80,011
		44-26074, H.015598.6	IDIQ Contract for Electrical Statewide, TO#3 - I-210: Hurricane Laura Lighting Repairs	83,119
		44-26074, H.014556.6	IDIQ Contract for Electrical Statewide, TO#5 - I-49: US 190 Interchange Lighting	87,530
		44-26074, H.014553.5	IDIQ Contract for Electrical Statewide, TO#6 - I-49: LA 3233 Interchange Lighting	2,271
44-26074, H.014557.5	IDIQ Contract for Electrical Statewide, TO#7 - I-49: Judson Walsh Interchange Lighting	47,926		

G.E.C., Inc.	Other (Program Management)	44-16958	Road Transfer Program Management, Statewide (NOTE: The Average Annual billing is approx. \$290,000/ year. We are in year 4 of 6. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. (Program Management ONLY – NO Planning, Road or Bridge Design work).	781,416
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work performed over 2 yrs. Exp 6/30/26)	89,800
		44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	40,735
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	375,000
G.E.C., Inc.	CE&I/OV	44-23074, H.012465.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3	20,579
		44-23074, H.010960.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10	N/A
		44-23074, H.013265.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – Van Buren Street Over Corp. Canal	53,265
		44-23074, H.015424.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – La 67: Plank Rd @ Airline- Girder Rep	59,454
		44-23074, H.012061.6	IDIQ for CE&I Services and Staff Augmentation, District 61 –LA 1: Bayou Moreau and Lateral W15#7A	119,520
		44-23074, H.014762.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – LA 44: 1-10 – LA 621	510,814
		44-23074, H.15267.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – LA 431: Left Turn Lane at LA 621	47,469
		44-28550, H.002868.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-49 S: Amb. Caffery / US 90 Interchange	250,925
		44-28550, H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - US 90: LA 14 to LA 83	240,567
		44-28550, H.015774.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 – LA 359: Local Road (Bolden)-LA 10	155,330
		44-14315, H.003370.6	IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - I-220/I-20 Interchange IMP & BAFB Access	N/A
		44-14315, H.010000.6	IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs	37,447
		44-14315, H.014588.6	IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide – I-20: Orange Street Overpass Repair	N/A
		44-17006, H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	87,664
		44-23897, H.011965.6	LA 47: IWGO Bridge Rehabilitation (HBI) (CE&I) (sub to GPI)	1,153,140
		44,24438, H.010673.6	US 90: Harvey Canal Tunnel Rehab (CE&I), Jefferson Parish	777,098
		44-28884, H.003931.5	Calcasieu River Bridge (HBI), Calcasieu Parish	N/A
		44-27349, H.003931.6	Calcasieu River Bridge (HBI) (CE&I), Calcasieu Parish	16,582,779
		44-28466, H.015504.6	CCC Decorative Lighting Construction Engineering and Inspection (CE&I)	565,945
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	4,000

SJB Group, L.L.C.	Survey	Contract No: 44-17033 S.P. No. H.005121	LA DOTD LA 415 CMAR Supplemental Agreement No. 2	\$45,994.00
		Contract No: 44-22830 S.P. No. N/A	LA DOTD ADA Transition Plan Update	\$109,552.00
		Contract No. N/A S.P. H.013522.5	LA DOTD S. Lewis St. Widening	\$49,180.00
		Contract No. N/A S.P. H.000445	IDIQ Bridge Inspection	\$148,466
		LA DOTD H.015852	LA 403 Sidewalks - Paincourtville	\$36,575.00
		LA DOTD H.015860	LA 1 & LA 308 Sidewalks Belle Rose	\$107,813.00
Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	\$338,752
		44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$40,897
		44-19013; H.004100.5 & .6 H.004435	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12 I-12 to Bush Construction Phase	\$692,204 \$47,370
		44-8671; H.009266	I-10 Widening: LA 73 to LA 30	\$25,760
		44-19013; H.002244.5	Boudreaux Canal Bridge (LA 56)	\$180
		44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	\$2,781
		44-6189; H.004647.6 H.015935	I-20 Mississippi River Bridge at Vicksburg LA 47 @ Bayou Bienvenue Bridge Replacement PDA	\$1,651,052 \$23,059
		44-25025; H.015337, H.015452, H.015453, H.015454, H.015455, H.015456, H.015457, H.015458, H.015459, H.015460, H.015461, H.015462, H.015463	IIJA	\$77,119
		44-24652; H.014265.5	N River Road Irving Branch	\$65
		44-24652; H.012533.5	LA 1252 Bayou Pt Brule Bridge	\$39
		44-24652, H.012607.5	Henderson Bayou Bridge LA 933	\$65
		44-24652, H.015568.5, H.015569.5	Pelican Point Roundabout	\$45,870
		44-24652; H.012842.5	LA 124 Ext. Larto Lake	\$152
		44-21519; H.012030.5	KCS RR Overpasses US 371	\$44,036
		44-21887; H.012542, H.012453, H.012544, H.012047	Replacement of 15 Bridges	\$579,165
		44-6189; H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5	Culvert Replacements	\$187,765
		H.015429, H.015430, H.015432	IIJA	\$14,545

Vectura Consulting Services, LLC	Traffic	4400005484; H.005168.2	New Orleans Rail Gateway Avondale EA	57,644
	CE&I/OV	4400020018; H.007160	EBR Computerized Traffic Signal, Ph VB	28,737
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	11,202
	Traffic	4400021519; H.012030.5	KCS RR Overpasses HBI	572
	Traffic	4400023075; H.013522	S. Lewis Street Widening	7,499
	Traffic	4400025299; H.01564.5	LA 47 Hayne Blvd Safety Improvements	9,437
	Traffic	4400018271; H.014746.5	LA 383 Stage 0 Corridor Study	20,146
	ITS	4400016364; H.014511.1	Houma Regional ITS Architecture Update	10,746
	Traffic	4400025299; H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	83,260

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

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



20. Certifications/Licenses

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

Christopher Nipper

Certificate of Completion
presented to
Christopher Nipper
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**


Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Certificate of Completion
presented to
Christopher Nipper
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**


Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Certificate of Completion
presented to
Christopher Nipper
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**


Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Bliss Bernard



Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert D. Bernard
Authorized instructor



Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert D. Bernard
Authorized instructor



Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5


Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert D. Bernard
Authorized instructor



Bliss Bernard



Bliss Bernard
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com



Bliss Bernard
has attended
California Flagger Certification Training Course

Completed: 20-FEB-2025

CEU (If Applicable): 0.35

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

American Traffic Safety Services Association
ATSSA.com

Jerome Lohmann



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jerome Lohmann

has attended

Louisiana Traffic Control Supervisor Refresher

Training Course

2/2/2024 to 2/2/2028
Training Valid Through

New Orleans, LA
Location

Vice President of Education and Technical Services

President, CEO

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



American Traffic Safety Services Association ATSSA.com

Brian Buckel



ATSSA
Safer Roads Save Lives

Brian Buckel
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 10-JAN-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com

ATSSA American Traffic Safety Services Association
Safer Roads Save Lives

This is to affirm that
Brian Buckel
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date: <u>8/2/2025</u>	ATSSA
Exp. Date: <u>8/1/2029</u>	Instructor Name
State Issued: <u>Louisiana</u>	
	Instructor Signature

A1000346799 Verify at Flagger.com

Matthew Estopinal, PE, PLS



Karen Kennedy, PE



Ralph Burgess, PLS



ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

RALPH BURGESS

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 8/4/2023 Instructor Name Debbie Purcella
Exp. Date 8/4/2027 *Debbie Purcella*
State Issued LA Instructor Signature
V0000201702 Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Ralph D Burgess
has attended
Louisiana Traffic Control Supervisor
Training Course

11/8/2023 to 11/8/2027
Training Valid Through

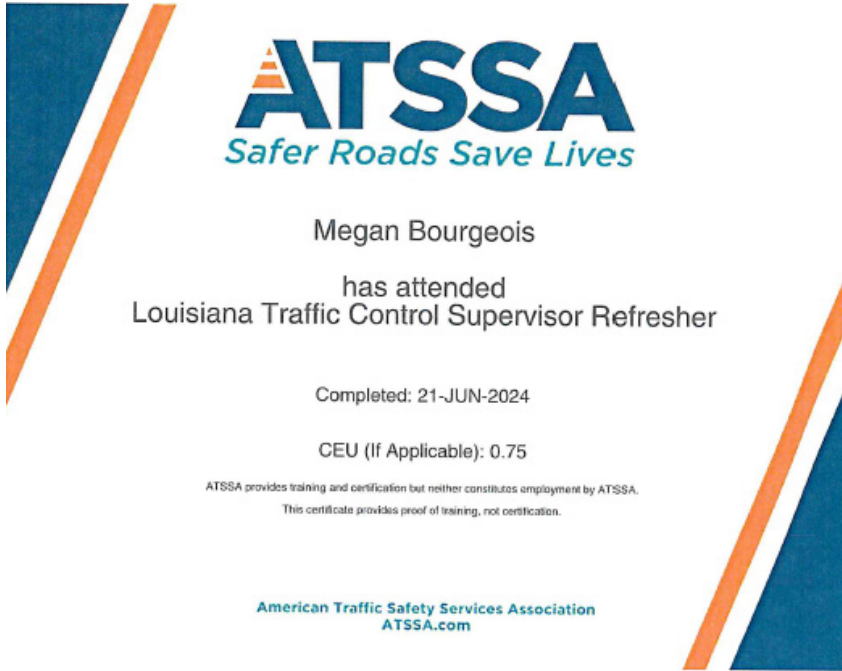
Baton Rouge, LA
Location

Donna M. Clark
Vice President of Education and Technical Services
Sharon T. Johnson
President, CEO

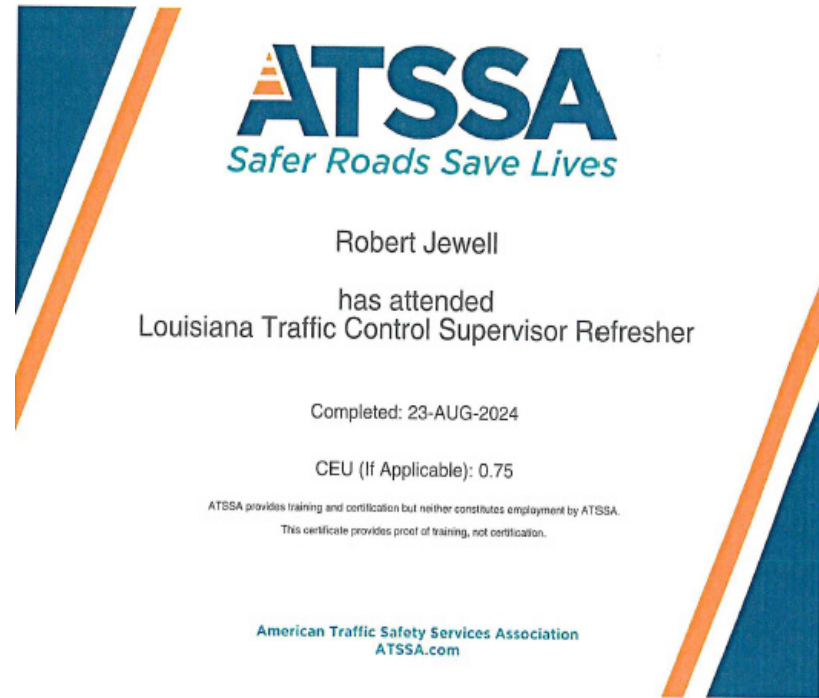
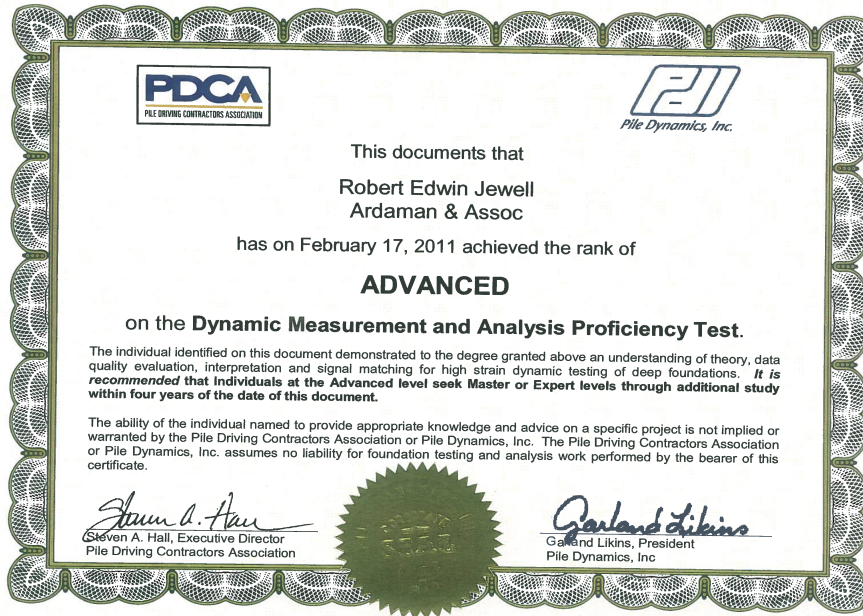
ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

Megan Bourgeois, PE



Robert Jewell, PE




Brin Ferlito



Certificate of Completion
presented to
Brin Ferlito
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

Date: June 4, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 4


Felix A. Colvina *Jim Holt* *Robert J. Burmahl*
Authorized Instructor Authorized Instructor Authorized instructor



Certificate of Completion
presented to
Brin Ferlito
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

Date: June 11, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 4


Felix A. Colvina *Jim Holt* *Robert J. Burmahl*
Authorized Instructor Authorized Instructor Authorized instructor



Certificate of Completion
presented to
Brin Ferlito
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

Date: September 10, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 3

Felix A. Colvina *Jim Holt* *Robert J. Burmahl*
Authorized Instructor Authorized Instructor Authorized instructor



Brin Ferlito




PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

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


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

Baton Rouge, LA
Location

Ramona Smith
Director of Training

Alison Ferlito
President, CEO

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

This is to affirm that

Sheelagh Ferlito
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 5/9/2023 ATSSA

Exp. Date 5/8/2027 Instructor Name *Wanda M. Clark*

State Issued LA Instructor Signature *Wanda M. Clark*

A1000126216 Verify at Flagger.com



Office of the Secretary
PO Box 94245 | Baton Rouge, LA 70804-9245
PH: 225-379-1200 | FX: 225-379-1851

Jeff Landry, Governor
Joe Donahue, Secretary

May 30, 2025

Vectura Consulting Services, LLC

Attn: Sheelagh Brin Ferlito
PO Box 14269
Baton Rouge, LA 70898

Dear Sheelagh Brin Ferlito,

The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section has received your firm's Disadvantaged Business Enterprise (DBE) and Small Business Element (SBE) Declaration of Eligibility. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program and remains certified for **only** the following **specific** work categories **that fall under the listed NAICS codes**:

NC488490 – Other Support Activities for Road Transportation

C14-Transportation Planning
C33-Traffic Counting and Data Collection
C74-Construction Management

NC541330-Engineering Services

C09-Engineering Services
C96-Traffic and Transportation Engineering

NC541340-Drafting Services

C43-Computer Assisted Drafting

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of \$50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, which are required to have a license if work is in excess of \$10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit a **Declaration of Eligibility** with Gross receipts (i.e. all income-related portions of signed federal tax returns, audited financial statements or a CPA's signed attestation of correctness and completeness) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **June 30, 2026**. However, should you not receive notification from this office for your Declaration of Eligibility; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

Vectura Consulting Services, LLC

May 30, 2025

Page 2

The LADOTD has contracted SJB Group, LLC to provide DBE Supportive Services to all certified DBEs, in the LAUCP, at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Feel free to contact SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

The Louisiana UCP certifying entity reserves the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading or incorrect data. The Louisiana UCP certifying entity also reserves the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success.

If you have any questions regarding the content of this letter, contact the LADOTD DBE Certification Unit at (225) 379-1382.

Respectfully,

Paula Roddy
Compliance Programs Director

Enclosure (Certificate)



LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Vectura Consulting Services, LLC

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

NC488490, NC541330, NC541340

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

Certificate Eligibility: June 2025 to June 2026

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

A handwritten signature in blue ink, appearing to read 'Paula Roddy', is written over a horizontal line.

Paula Roddy, Compliance Programs Director

Louisiana Department of Transportation & Development

Secretary of State Screenshots

Search for Louisiana Business Filings			
Buy Certificates and Certified Copies Subscribe to Electronic Notification Print Detailed Record			
Name	Type	City	Status
G.E.C., INC.	Business Corporation	BATON ROUGE	Active

Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Name	Type	City	Status
SJB GROUP, L.L.C.	Limited Liability Company	BATON ROUGE	Active

Buy Certificates and Certified Copies Subscribe to Electronic Notification Print Detailed Record			
Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

21. QA/QC Plan

If the advertisement requires submission of a QA/QC plan, include it 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.**

GEC'S QA/QC Plan is attached on the following pages.



GEC BRIDGE DEPARTMENT
QUALITY ASSURANCE/QUALITY CONTROL
MANUAL

Prepared for:

LADOTD

CONTRACT NO. 4400032800

STATE PROJECT NO. H.000688.5

FEDERAL AID PROJECT NO. H000688

US 11 NORFOLK SOUTHERN RR OVERPASS (HBI)

ROUTE: US 11

ST. TAMMANY PARISH

September 2017
Revised August 2019
Revised September 2020

Overview

Goals and Objectives

The Bridge Department of GEC has developed and implemented this Quality Assurance/Quality Control (QA/QC) guide in accordance with FHWA and LADOTD requirements. The QA/QC process applies to all types of bridge projects. In addition, the QA/QC process applies to the development of design guidelines, design examples, spreadsheets, and other design aides. Modifications to the QA/QC process and procedures may be required for large or complex structures.

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

- Communicate openly to address concerns and solve problems immediately.
- Plan, coordinate, supervise, and provide technical direction.
- Employ skilled personnel who perform their work with care to produce a quality product.
- Produce quality work through review and checking by individuals not directly responsible for the initial work product.
- Take responsibility for the QA/QC of a project, regardless of role. This includes the review of all Sub-consultant work and deliverables.

The objectives of the QA/QC program are to produce bridge designs that are:

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

Bridge Design and QA/QC Process

As part of the QA/QC process, this document will serve as a template to follow for every bridge project. The process can be summarized as follows:

- Step 1 – Selection of the Project Team
- Step 2 – Development of Design Criteria
- Step 3 – Design and Development of Details
- Step 4 – Quality Control (QC) of Design and Details
- Step 5 – Quality Assurance (QA) of Design and Details
- Step 6 – Peer Review (if requested by the Bridge Design Engineer Administrator)
- Step 7 – Sealing of Design Calculation Book and Plans by the EOR
- Step 8 – QC/QA for Design Activities after Final Plans
- Step 9 – Archiving Bridge Design Files

Step 1 – Selection of the Project Team

At the beginning of each project, a project team will be selected based on the complexity of the project. Team member responsibilities are as outlined below:

- Supervisor/Group Leader – A licensed professional engineer who manages a group of Engineers and Detailers. The supervisor/group leader must have substantial experience in the design of structures similar to the proposed project. The supervisor/group leader is responsible for assigning work to Engineers and Detailers based on their level of experience and the complexity of the project. In addition, a supervisor/group leader is responsible for internal Quality Assurance reviews.

- Design Engineer – A licensed professional engineer or engineering assistant working under the direct supervision of a licensed professional engineer. The Design Engineer provides the data, such as design sketches, necessary for detail drawing development. In addition, the Design Engineer checks the details for errors, completeness, conformity, and consistency.
- Checker – A licensed professional engineer or engineering intern working under the direct supervision of a licensed professional engineer. The Checker thoroughly reviews the calculations or detail drawings for the purpose of reducing errors and omissions and increasing completeness, applicability, and conformance.
- Detailer – A drafter or engineer who generates and revises details, plan sheets, and drawings in electronic format.
- Engineer-of-Record – A licensed professional engineer who is responsible for supervision and/or preparation of plans, sealing calculations, signing and sealing the final plan set, and special provisions if required. This may be the Design Engineer or Supervisor. The Engineer-of-Record must have substantial experience in the design of structures similar to the proposed project.

Step 2 – Development of Design Criteria

Design criteria must be established at the beginning of each project and submitted to the LADOTD for review and approval before the design process is initiated. The design criteria shall be updated as appropriate throughout the project. A current listing of design criteria shall be maintained at all times. The design criteria shall be included in the final calculation book. All design assumptions and any design exemptions that are granted are to be included in the design criteria. The design criteria shall include at least the following sections with the minimum information indicated in each section.

Design Criteria Checklist

- | | |
|--|--|
| <ul style="list-style-type: none"> • Cover Sheet <ul style="list-style-type: none"> LADOTD project number Project name Revision date The Supervisor or Team Leader’s signature and date • Governing Design and Construction Specifications and Other References <ul style="list-style-type: none"> A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference. • Design Assumptions and Design Exceptions <ul style="list-style-type: none"> All design assumptions and design exceptions received must be included in this section along with supporting documents | <ul style="list-style-type: none"> • Hydraulic Design Criteria – provided by the Hydraulic Engineer <ul style="list-style-type: none"> Design year Design water elevations Scour depth Scour elevation • Design Loads <ul style="list-style-type: none"> Dead loads Live loads Wind loads Thermal loads Vessel collision loads Seismic loads Wave loads Other applicable loads • Limit States <ul style="list-style-type: none"> All applicable limit states shall be listed in this section. |
|--|--|

- General Information
 - Bridge information (number of bridges, bridge clear width, length, number of lanes, lane width, shoulder width, etc.)
 - Road information (roadway classifications, design speed, traffic data, etc.)
 - Vertical datum
 - Vertical and horizontal clearances
 - Other relevant information
- Approach Slab
 - Design criteria
 - List standard plans and special details utilized.
- Bearings
 - Type(s)
 - Design criteria
 - List standard plans and special details utilized.
- Superstructure
 - Type(s)
 - Design criteria
 - List standard plans and special details utilized.
- Piles and Drilled Shafts
 - Type(s)
 - Design criteria
 - List standard plans and special details utilized.
- Mechanical Design
 - Design criteria
 - List standard plans and special details utilized.
- As-Designed Bridge Rating Criteria
 - Rating criteria
- Software
 - List all software used for design and checking.
- Design Factors
 - Ductility factor η_D
 - Redundancy factor η_R
 - Operational importance factor η_I
- Bridge Barrier
 - Type(s)
 - Design criteria/test levels
 - List standard plans and special details utilized.
- Guardrail
 - Type(s)
 - Design criteria/test levels
 - List standard plans and special details utilized.
- Deck and Deck Drainage
 - Design criteria
 - List standard plans and special details utilized.
- Joints
 - Type(s)
 - Design criteria
 - List standard plans and special details utilized.
- Substructure
 - Type(s)
 - Design criteria
 - List standard plans and special details utilized.
- Geotechnical Design – to be provided by the Geotechnical Engineer
 - Design criteria
 - List standard plans and special details utilized.
- Electrical/Lighting Design
 - Design criteria
 - List standard plans and special details utilized

Step 3 – Bridge Design and Development of Details

Bridge Design

The Design Engineer is responsible for the development of the design calculations, details, cost estimate, and any special provisions that may be required. Prior to beginning the design process, confirm that the bridge type, size, location, and design criteria have been established and approved by the Supervisor/Team Leader.

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

Cover Sheet – include the following information:

- LADOTD project number
- Project name
- The title of “Final Calculation Book”
- The EOR’s seal with signature and date

Design Criteria

Superstructure Design Calculations

Substructure Design Calculations

Quantity Calculations

QC/QA Certification

- Refer to Appendix A

Final Hydraulic Analysis Report from Hydraulic Engineer

Final Geotechnical Analysis Report from Geotechnical Engineer

Special Provisions/NS-Items

Construction Cost Estimate

As-Designed Rating Report

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

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

- A PDF File of the Calculation Book
- All Electronic Design Files
- A PDF File of the As-Designed Rating Report

Development of Details

The Design Engineer must work together with the Detailer on the establishment of the bridge details and supervise the detailing work to verify that the details represent the bridge type, size, location, and design criteria that have been established.

Submittals of bridge details are to follow current LADOTD requirements. Typical submittals and their order are as follows:

1. Design Criteria
2. Bridge Type, Size, and Location (TS&L)
3. 30% Preliminary Plans
4. 60% Preliminary Plans
5. 90% Preliminary Plans
6. 100% Preliminary Plans
7. 30% Final Plans
8. 60% Final Plans
9. 90% Final Plans
10. 100% Final Plans
11. Final Calculation Book
12. Plan Revisions (if required)
13. Change Orders (if required)

Use the template on the following page as an outline for sheet order and plan development for each submittal to the LADOTD.

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

Item	Submittals							
	Preliminary Plans				Final Plans			
	30%	60%	90%	100%	30%	60%	90%	100%
QC/QA Certification	R	R	R	R	R	R	R	R
Bridge Index	D	D	D	D	D	D	C	S
General Notes	D	D	D	D	D	D	C	S
Summary of Estimated Quantities	D	D	C	C	D	D	C	S
General Plans	D	D	C	C	C	C	C	S
Typical Sections	D	D	C	C				
Superelevation Diagram		D	D	C	C	C	C	S
Construction Phasing Details		D	D	C	C	C	C	S
Traffic Controls Details		D	D	C	C	C	C	S
Foundation/Pile Layout		D	D	C	C	C	C	S
Pile Loads/Details			D	D	D	C	C	S
Pile Data Tables					D	D	C	S
Bent Details					D	D	C	S
Fender Details					D	D	C	S
Girder Details					D	D	C	S
Span Details					D	D	C	S
Joint Details						D	C	S
Bearing Details						D	C	S
Approach Slab						D	C	S
Guardrail Details						D	C	S
Bridge Barrier/Railing Details						D	C	S
Bridge Drainage Details						D	C	S
Detour Bridge Details						D	C	S
Revetment Details						D	C	S
Signing/Lighting Details						D	C	S
Year Plate						D	C	S
Rebar Support						D	C	S
Misc. Details						D	C	S
Project Specific Standard Plans and Special Details						D	C	S
Electrical/Lighting Details						D	C	S
Mechanical Details						D	C	S
As-Built Plans						D	C	S
Special Provisions/NS-Items					D	D	C	C
Cost Estimate			D	D	D	D	C	C

Legend:

“R” – The item is required and shall be included in the submittal.

“D” – The item shall be in development and included in the submittal.

“C” – The item shall be complete and included in the submittal.

“S” – The item is stamped by the EOR and shall be included in the submittal.

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

Quality Control is the process of checking the accuracy of calculations and consistency of the drawings, detecting and correcting design omissions and errors prior to finalizing design plans and specifications.

At the beginning of each project, design engineers and calculation checkers are to be assigned to the design of each component. Likewise, detailers will be assigned to the detailing and checking of each component to be detailed.

The Engineer-of-Record will sign and seal all final details and modified standards.

Quality Control of Calculations

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

Preparation (Design Engineer)

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

Checking (Checker)

- Check each component to ensure compliance with the policies and procedures defined in the current LADOTD BDEM and relevant Technical Memorandums and the LADOTD Website.
- Check the calculations for internal consistency and traceability of sources. Thoroughly check the calculations, including assumptions, given values, formulas, omissions, and accuracy of arithmetic.
- Check methodology, reasonableness of results, and constructability. If necessary, ask for clarification from the Design Engineer, request additional calculations, and if unsure of any particular element, seek technical advice.
- Check the calculations by the method shown in the Quality Control of Calculations flowchart provided in Figure 4.1. Alternatively, check the calculations by providing independent calculations. Keep the alternate, independent calculation with the original. Indicate on the original that an alternate calculation was used for checking.
- When an error in computer input, assumptions, or load calculations is found, consider what that error will do to the outcome before redesigning the member. If the error has a negligible impact to the final design, it may not be necessary to redo the calculation. For instance, it may be unnecessary to re-run a program for a 0.1 k difference in load or a 1-foot station difference in geometry.

- When an error is found that will have impact on the remainder of the calculations, return the calculations to the Design Engineer for correction prior to completing checking of the calculations. The Designers calculations are the calculations of record and must be updated.

Correcting (Design Engineer)

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

Verifying (Checker)

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

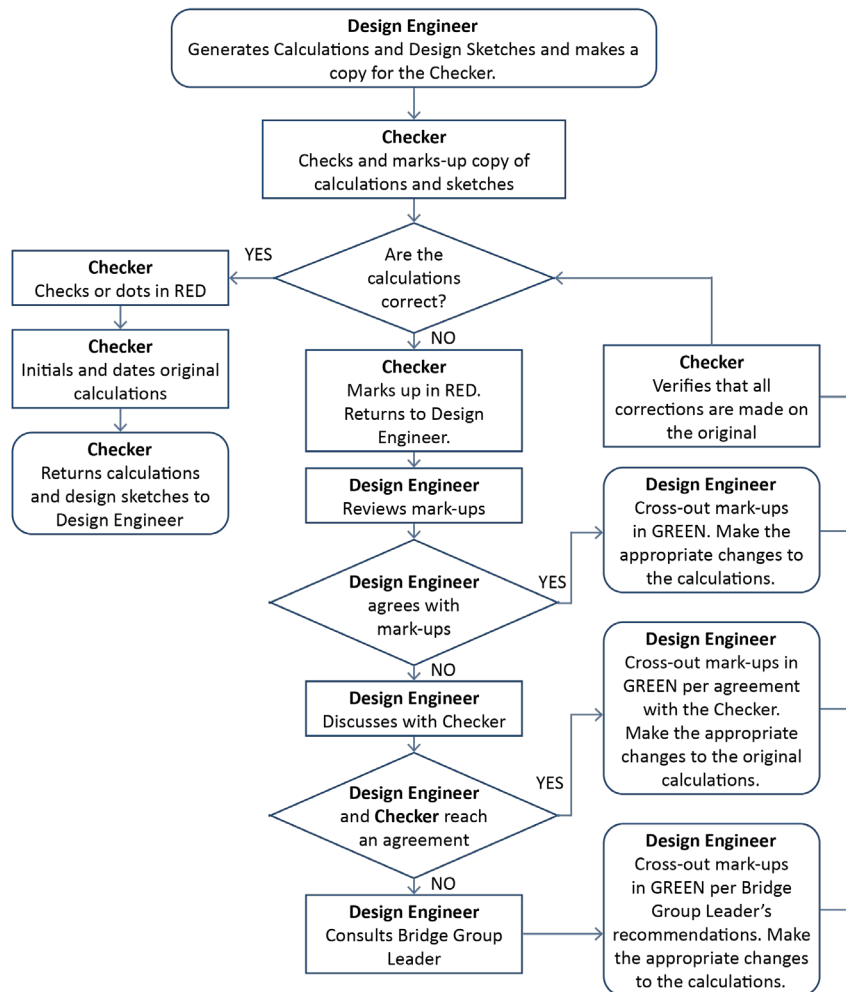


Figure 1. QC for Calculations Flowchart

Quality Control of Details

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

Preparation (Detailer)

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

Checking (Design Engineer or Checker)

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

Correcting (Detailer)

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

Verifying (Design Engineer or Checker)

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

Addendum and Change Orders

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

Completion

Upon completion of the design and detail check, the Designer shall prepare a QA Information Package that includes:

- Calculation Book
- Plans
- Special Provisions including Non-Standard Items
- Cost Estimate
- Other Relevant Documents

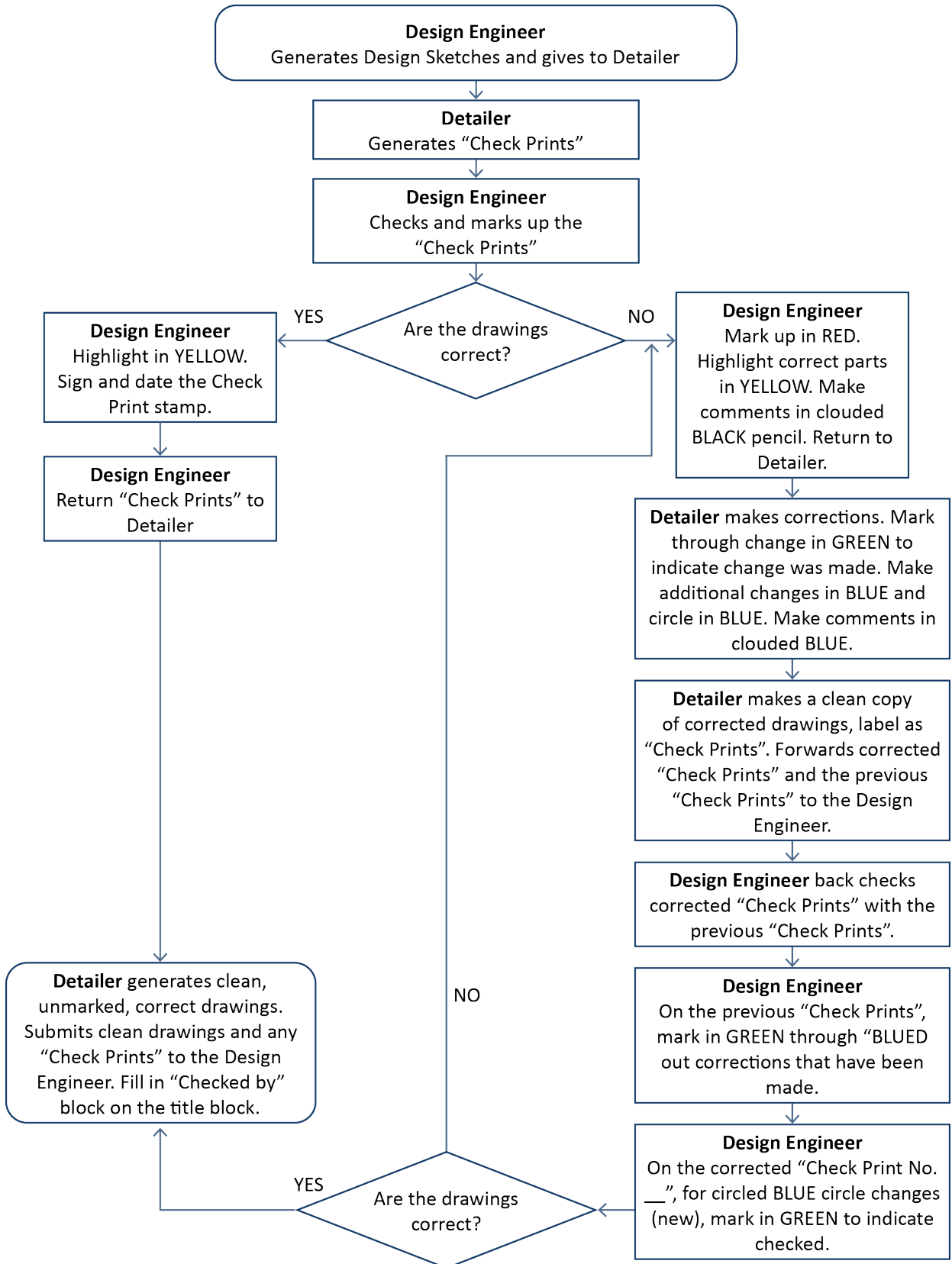


Figure 2. QC for Details Flowchart

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

Quality Assurance is the process of reviewing the quality control process for use and effectiveness at preventing mistakes and ensuring compliance. The Quality Assurance process varies depending on the stage of plan development and who develops the plans. The Quality Control Plan is to be maintained such that it can be submitted to the LADOTD if requested.

During Plan Development

The Supervisor/Group Leader is responsible for Quality Assurance. The Supervisor/Group leader determines the level and complexity of the Quality Control process, assigns the Design Engineer, Checker, and Detailer. The Supervisor/Group Leader confirms the Quality Control process by reviewing that the details identify the correct Design Engineer, Checker, and Detailer. In addition, the Supervisor/Group Leader completes a review of the details for constructability, applicability, completeness, and conformity.

Upon completeness of the QA process (no later than the 95% final plans stage) the design calculations, details, special provisions, and cost estimate are considered final and the QC/QA Certificate included in Appendix A is to be signed by members of the project team.

During Construction

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

Step 6 – Peer Review (if required)

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

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

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

- Confirm that the QC/QA certification has been signed by all responsible parties.
- Confirm that the Geotechnical Engineer has co-stamped the geotechnical design information shown on the bridge plans.
- Confirm that the Hydraulic Engineer has co-stamped the hydraulic information shown on the bridge plans.
- Assemble final Geotechnical Report and Hydraulic Report.
- Finalize calculation book and seal the cover sheet.
- Verify that the names of the designer, design checker, detailer, detail checker, and reviewer are all correctly shown on the title block of each plan sheet.

- Stamp the General Notes sheet. EOR may sign the remaining sheets or designate qualified Professional Engineers to stamp the sheets developed under their supervision.
- Verify that all special provisions are accurately shown on the construction proposal. The special provisions are typically stamped by the Specification Engineer as part of the construction proposal; however, if the Specification Engineer is not qualified or not willing to stamp the special provisions, the EOR must stamp these provisions.

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

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

Step 9 – Archiving Bridge Design Files

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

Notebook/File

The Design Engineer keeps a binder or folder clearly labeled with the Structure Name, Parish (or County), and State Project Number that contains, but is not limited to the following:

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

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

Appendix A

QC/QA Certification

Number:

Name:

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

Team Members	Name	P.E. Reg. #	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
Engineer-of-Record (EOR)						

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 EXACTLY AS REGISTERED WITH LOUISIANA'S SECRETARY OF STATE (SOS): INCLUDING PUNCTUATION, INCLUDE SCREENSHOT(S) FROM SOS AT THE END OF SECTION 20)	Address	Point of Contact and email address	Phone Number
SJB Group, L.L.C.	5344 Brittany Drive, Baton Rouge, LA 70808	Matthew Estopinal Matt.Estopinal@sjbgroup.com	(225) 769-3400
Ardaman & Associates, Inc.	316 Highlandia Dr. Baton Rouge, LA 70810	Robert Jewell RJewell@Ardaman.com	(225) 752-4790
Vectura Consulting Services, LLC	PO Box 14269 Baton Rouge, LA 70898	Brin Ferlito bferlito@vecturacs.com	(225) 223-6685

23. Location

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

Cary Bourgeois, PE
cbourgeois@gecinc.com
(225) 612-4121

8282 Goodwood Blvd.
Baton Rouge, Louisiana

WWW.GECINC.COM

