



Statement of Qualifications

**ENTITY CONTRACT FOR CONG RELIEF WINFIELD ROAD
BOSSIER PARISH**

CONTRACT NO. 4400027600, STATE PROJECT NO. H.003855.5



US 11 AT SCHNEIDER CANAL, SUIDEL, LA


(Revised January 1, 2023)

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	ENTITY CONTRACT FOR CONG RELIEF WINFIELD ROAD BOSSIER PARISH
2. Contract Number(s) as shown in the advertisement	4400027600
3. State Project Number(s), if shown in the advertisement	H.003855.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	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
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.	 <hr/> <p>Signature above shall be the same person listed in Section 9:</p> <p>August 17, 2023</p> <hr/> <p>Date:</p>

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.

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)' %



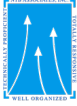

A P S Engineering and Testing, LLC

5%

12. Past Performance Evaluation Discipline Table

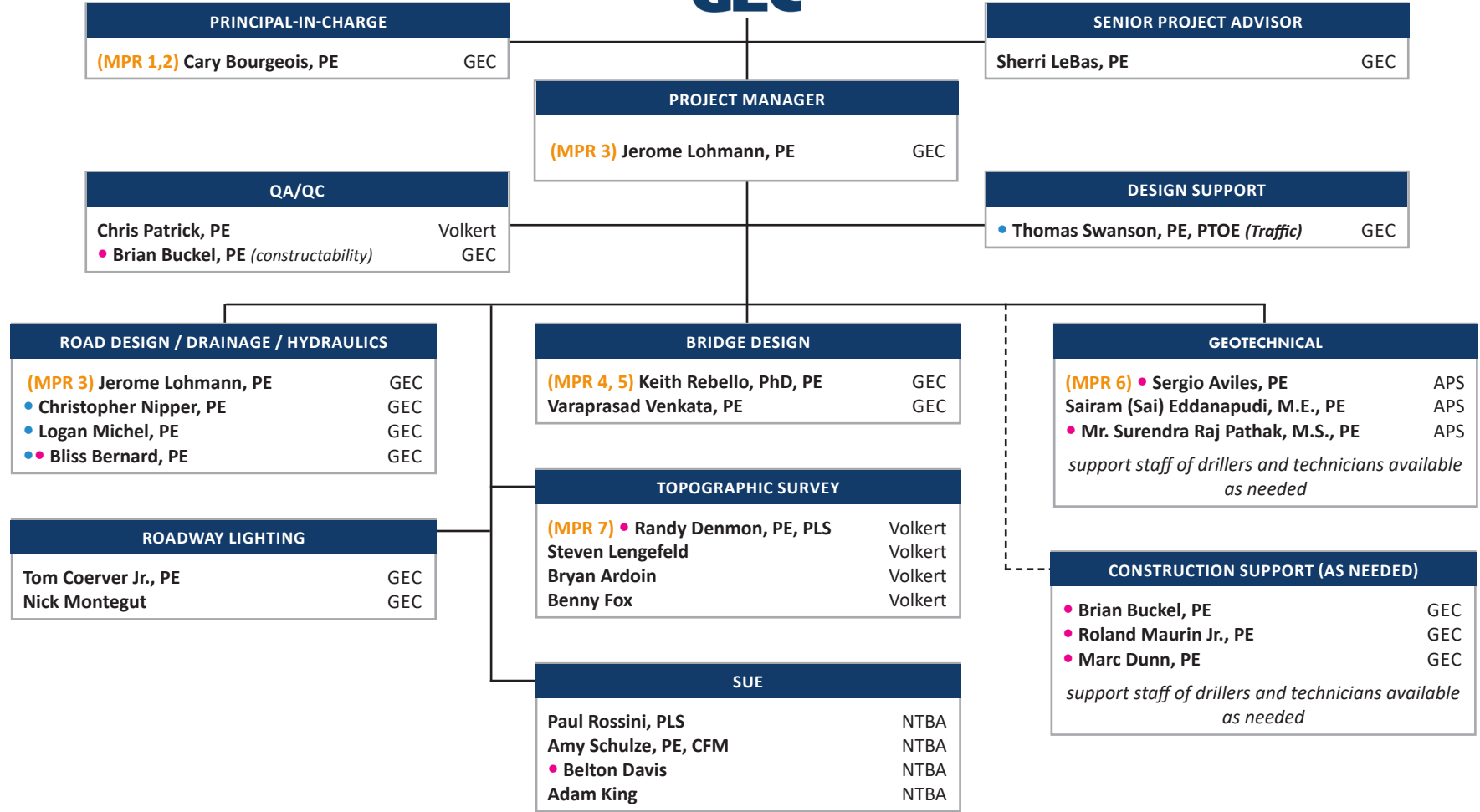
Past Performance Evaluation Discipline	% of Overall Contract	G.E.C., Inc. (GEC) (Prime)	DBE FIRM	NTB Associates, Inc.	Volkert, Inc.	Each Discipline must total to 100%
			A P S Engineering and Testing, LLC			
Road	45.00%	98.00%			2.00%	100%
Bridge	30.00%	98.00%			2.00%	100%
Geotech	5.00%		100.00%			100%
Survey	15.00%				100.00%	100%
Other (SUE)	5.00%			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	100.00%	73.500%	5.000%	5.000%	16.500%	100%

13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
 G.E.C., Inc.	Principal	3	3
	Engineer	6	7
	Supervisor-Engineer	4	9
	Technician	1	5
 A P S Engineering and Testing, LLC	Engineer	3	3
	CADD Technician	2	2
	Driller	6	6
	Technician	11	11
 NTB Associates, Inc.	Principal	1	1
	Engineer	1	1
	Surveyor	0	5
	Supervisor Other	1	2
	Senior Technician	0	1
	CADD Technician	0	6
	Technician	1	1
	CADD Drafter	1	4
	Party-Chief	3	15
 Volkert, Inc.	Surveyor	1	1
	Party Chief	1	4
	Rodman	1	5
	Technician	1	4
	Engineer	3	84








14. Organizational Chart

Contract No. 4400027600
 ENTITY CONTRACT FOR CONG
 RELIEF WINFIELD ROAD
 BOSSIER PARISH




- LEGEND**
- (#) Fulfills MPR
 - Work Zone Training
 - LTRC Modules 1-3 Training


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 No. 23414 (Civil)	Louisiana	09/30/2023
2	Cary Bourgeois, PE		PE No. 23414 (Civil)	Louisiana	09/30/2023
3	Jerome Lohmann, PE		PE No. 24673 (Civil)	Louisiana	09/30/2024
4	Keith Rebello, PhD, PE		PE No. 24937 (Civil)	Louisiana	03/31/2025
5	Keith Rebello, PhD, PE		PE No. 24937 (Civil)	Louisiana	03/31/2025
6	Sergio Aviles, PE		PE No. 33571 (Civil)	Louisiana	03/31/2024
7	Randy Denmon, PE, PLS		PLS No. 4798 (Survey)	Louisiana	03/31/2025


16. Staff Experience

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Sherri LeBas, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	7
TITLE	Senior Vice President	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	31
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1985 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	23844 / Louisiana / 03-31-2023		
YEAR REGISTERED	1990	DISCIPLINE	Professional Engineer, Civil & Environmental
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Senior Project Advisor		
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>Ms. LeBas is a Senior Vice President of GEC. She is a professional civil engineer with 38 years of experience in designing and managing numerous projects and programs during her career in Louisiana state government and private industry. During her 24.5 years at the Louisiana Department of Transportation and Development (LADOTD), Ms. LeBas designed and managed projects for a combined 14 years in the Road Design Section which led to serving as a facilitator for the Change Management Program, Assistant to the Secretary for Policy, Deputy Secretary and then Secretary for 6 years from 2010 to 2016. From 1998 to 2003, Ms. LeBas managed projects funded through Capital Outlay at the Louisiana State Division of Administration, Facility Planning and Control. In May of 2016, Ms. LeBas brought her skills and experience to GEC. Ms. LeBas meets with public officials and other stakeholders discussing policy and resources required for infrastructure. Additionally, Ms. LeBas discusses opportunities for teaming with other consulting firms in order to present and provide a client with the best team possible to provide outstanding services and deliverables.</i></p>		
09/20-Present	<p>H.004100 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, Louisiana. Assistant Project Manager - Ms. LeBas serves as Assistant Project Manager for this CMAR project, leading development & annual updates of the Design Quality Manual, Project Management Plan, Initial Financial Plan, Project Implementation Plan & document control. She manages the Community Connections/Context Sensitive Solutions process which includes meetings with stakeholders & public outreach. In addition, she provides management oversight of design elements being designed by GEC engineers, including lighting (roadway and enhancement), retaining wall, bridge, and noisewalls and coordination with roadway and overall design elements.</p>		
07/95-01/98	<p>H.004562 / AMBASSADOR DRIVE EXTENSION (LA 339-US 90): Lafayette Parish, LA. Project Manager LADOTD Road Design Section - Ms. LeBas served as the roadway project manager for the line and grade study of various alignments during the Environmental Assessment of this project. The alignments included an alignment along La Nouvelle Road as well as south of the golf course on new alignment and were developed in-house. Ms. LeBas's design squad developed the displays for the Public Meetings and Ms. LeBas lead the Public Meetings answering questions from the media for this project during this line and grade and environmental phase of the project.</p>		
2016-Present	<p>ROAD TRANSFER PROGRAM MANAGEMENT: Statewide, LA. Principal-in-Charge - Ms. LeBas serves as a resource to GEC's Program Manager of the Statewide LADOTD Road Transfer Program. Ms. LeBas provides feedback, is the direct link for communication and service between GEC's Project Manager who is stationed at LADOTD Headquarters and GEC's staff, and attends bi-monthly status meetings with the LADOTD Road Transfer Team.</p>		
03/10 – 01/16	<p>LADOTD: Baton Rouge, LA. Secretary - Ms. LeBas set the vision & led LADOTD in the delivery of the \$1.8 B annual transportation infrastructure capital & operating program. She developed & discussed transportation policy, issues, feedback, future planning with stakeholders, media, citizens & local, state & national public & elected officials. She pursued & obtained funding working with state & federal officials. She has the skills and credentials to provide project management guidance, work with staff to develop solutions to some of the most complicated design policy issues. Some notable projects that required her leadership included funding, design & construction of two D-B Interchange projects on US 90 (Future I-49) in District 03; I-49 from I-220 to the Arkansas State line which included the 2019 ACEC Award Winning I-220/I-49 Interchange which included aesthetic features such as the locally designed column motifs and decorative lighting; LA 1 from Leesville to Fourchon TIFIA refinancing; D-B projects on I-12 in Livingston Parish.</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Sherri LeBas, PE <i>Continued Resume</i>
05/05 – 03/10	LADOTD: Baton Rouge, LA. Change Management Facilitator (1 year); Assistant to the Secretary of Policy (2 years); Deputy Secretary (2 years) - Ms. LeBas was a facilitator on the Change Management Team which today is referred to as Quality Continuous Improvement (QCIP). She facilitated teams consisting of LADOTD staff, consultants and other stakeholders for utility relocations, project Management and consultant services. As Assistant Secretary for Policy, Ms. LeBas worked with staff and the Secretary to develop the \$1.2 Billion list of roadway projects that were funded with State surplus dollars in 2007, 2008 and 2009. She served as the program manager for this \$1.2 Billion surplus program, scheduling projects, managing the budget and working through issues in order to get the program delivered on time and within budget. As Deputy Secretary, Ms. LeBas served as the program manager for the \$430 million American Recovery and Reinvestment Act (ARRA) working with LADOTD staff to deliver the projects within the federally set deadlines of 50% of the funding obligated within 6 months and the remainder within a year.
09/03 – 05/05	THE TRANSPORTATION MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA. Assistant to the TIMED Program Manager, LADOTD Road Design Section - Ms. LeBas served as the Assistant TIMED Program Manager for the \$5.2B Program. She was responsible for the financials working with LADOTD administration, LADOTD staff and consultant. This included reviewing the program changes, change orders, and total program costs from design through construction. She assisted in the coordination & management of the consultant's plan delivery & construction schedule.
01/98 – 09/03	STATE OF LOUISIANA NON-STATE ENTITY CAPITAL OUTLAY PROGRAM: Statewide, LA. Program Manager - Ms. LeBas served as Program Manager at the Division of Administration (DOA)/Facility Planning & Control (FP&C) for the non-state projects that receive funding through the State of Louisiana. She was responsible for the development of the Cooperative Endeavor Agreement between the State and the local entity, working with local entities in the delivery of projects in accordance with State guidelines, cash flow from inception through construction. At any one time 75 to 100 active projects were in production including but not limited to waterlines, sewer lines, pump stations, roadways, livestock arenas, renovation of theaters, park roadways and amenities and port facilities.
09/95 – 05/97	ESTHERWOOD CANAL BRIDGE, LA 1124 (STATE PROJECT NUMBER 801-22-0007): Acadia Parish, LA. Project Design Supervisor LADOTD Road Design Section - Ms. LeBas served as the road design engineer supervisor for the in-house design of the project. The design included all design aspects of a bridge replacement project including drainage, typical sections, horizontal and vertical alignment, cross sections, quantity calculations, summary of estimated quantities in accordance with LADOTD standard specifications.
04/95 – 01/98	US 165 (I-10 TO WOODWORTH)(STATE PROJECT NUMBER 014-02: 0020-0023 014-03: 0022, 0023, 0027, 0028 014-04: 0028, 0029, 0032 014-05: 0017, 0018, 0020, 0021, 0031): Jefferson Davis, Allen, and Rapides Parish, LA. Project Manager LADOTD Road Design Section - Ms. LeBas served as the project manager for the consultant designed expanded line and grade plans for the addition of two lanes to the existing roadway which encompassed 16 roadway segments. She negotiated contracts, developed the plan development schedule, reviewed the plan in hand design plans and coordinated review comments with other LADOTD sections. She attended all of the plan in hand field visits for each segment, coordinating and addressing all comments for incorporation into the plans.
07/88 – 08/97	I-49 SHREVEPORT URBAN INTERSTATE (INNER LOOP EXPRESSWAY (LA 3132) TO THE I-49/I-20 INTERCHANGE) (STATE PROJECT NUMBERS 455-08: 0013, 0015, 0016, 0017, 0018, 0019, 0020, 0021, 0022, 0023, 0024, 0025, 0028, 0030, 0033, 0034, & 0037): Caddo Parish, LA. Project Manager LADOTD Road Design - Ms. LeBas served as Project Manager responsible for scope, schedule & budget, design plans, specifications, & estimate (PS&E) of new interstate (I-49) through Shreveport Urban area which at this time was the largest roadway program at LADOTD. During construction, Ms. LeBas worked closely with District Construction Engineers to resolve issues. She was responsible for checking roadway design plans & coordinating plan reviews with other LADOTD sections. Ms. LeBas prepared the summary of estimated quantities and assisted in the development of special specifications required. She designed & developed the sequence of construction for the I-49/I-20 interchange which included new concept to LA to use concrete barriers to separate lanes of interstate traffic during construction. She also met with property owners within the corridor to discuss driveway access, modifications, and concerns.
1993-1995	SPN 828-39-0021 / LA 3073 AMBASSADOR DRIVE (KALISTE SALOOM TO VEROT SCHOOL ROAD (LA 339)): Lafayette Parish, LA. Project Manager LADOTD Road Design Section - Ms. LeBas served as the roadway project manager for the design of the roadway which included the design and construction of a five lane roadway section to replace the 2 lane section of roadway.

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NAME	Cary Bourgeois, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	38
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 / 09-30-2023	
YEAR REGISTERED	1989	DISCIPLINE	Civil
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 38 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>		
06/17-12/21 SECTION 17 PROJECT	<p>H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA. Principal-in-Charge/QA/QC - 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.</p>		
2019-Present SECTION 17 PROJECT	<p>LASAFE AIRLINE AND MAIN COMPLETE STREETS: Laplace, LA. Principal-in-Charge/QA/QC - 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>		
04/19-12/21	<p>H.013542 / CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: Baton Rouge, LA. Principal-in-Charge - 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.</p>		
10/19-11/20	<p>I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA. Principal-in-Charge - 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.</p>		
08/20-Present	<p>H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Design Manager - Mr. Bourgeois is responsible for the overall design and design quality control of this \$53,000,000 project which will provide exit ramps that are separated from the merge of I-10 and I-12. To accomplish this, I-12 westbound will be re-routed under a rebuilt I-10 westbound bridge. He oversaw completion of Storm Water Pollution Prevention Plans (SWPPP) and permitting for all highway construction segments in accordance with DOTD standards.</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Cary Bourgeois, PE <i>Continued Resume</i>
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.
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.
03/91-Present	GNOEC LAKE PONTCHARTRAIN CAUSEWAY, CONSULTING ENGINEER: St Tammany and Jefferson Parishes, LA. <i>Principal-in-Charge</i> - GEC has served as Consulting Engineer for GNOEC since 1991 performing Trust Indenture Services in accordance with the GNOEC General Bond Resolution. Mr. Bourgeois has been associated with the project since the selection of GEC as Consulting Engineer and has served as Project Manager for over 10 years. In this time GEC has designed and implemented over \$200,000,000 in improvements to the GNOEC system. Our responsibilities have included: recommendations for operations and maintenance of Lake Pontchartrain Causeway, review of the operating budget, emergency response, inspection and reporting, annual physical condition inspection in accordance with National Bridge Inspection Standards, planning and scheduling of future GNOEC repair and improvement projects, review of Toll Plaza configurations and toll system operation, preparation of construction contract plans, specifications and estimates for various repair and improvement projects, and construction inspection and shop drawing review.
09/20-Present SECTION 17 PROJECT	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.
07/09-06/12	U.S. ARMY CORPS OF ENGINEERS, LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Metairie, LA. <i>Overall Project Manager</i> - This project was located in Jefferson Parish, Louisiana and was part of the Lake Pontchartrain and Vicinity, New Orleans, Louisiana, Hurricane Protection Project. This reach consisted of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs were intended to 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.
07/15-Present	H.004273.5 / I-49 CONNECTOR: Lafayette, LA. <i>Principal in Charge</i> - This project in District 03 includes bridge design & construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles. Mr. Bourgeois oversees the GEC design staff.


FIRM EMPLOYED BY G.E.C., Inc.	
NAME Jerome Lohmann, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER 7
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 / 09-30-2024
YEAR REGISTERED 1992	DISCIPLINE Professional Engineer, Civil
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. 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>
<p>09/20-Present SECTION 17 PROJECT</p>	<p>BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Project Manager - 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>
<p>11/15-Present SECTION 17 PROJECT</p>	<p>H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.: 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 90% 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).</p>
<p>09/19-present SECTION 17 PROJECT</p>	<p>LASAFE-AIRLINE & MAIN COMPLETE STREETS: LaPlace, LA. Project Manager - 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. The project is currently under construction.</p>


FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Jerome Lohmann, PE <i>Continued Resume</i>
08/01-05/02	258-33-0001 / BLUEBONNET BOULEVARD EXTENSION (NICHOLSON DR. TO BURBANK DR.): Baton Rouge, LA. <i>Project Manager</i> - 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.
11/15-08/16 SECTION 17 PROJECT	H.011435 / US 11 IMPROVEMENTS AT SCHNEIDER CANAL: Slidell, LA. <i>Project Manager</i> - 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. <i>Project Manager</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. 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. <i>Project Manager</i> - 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.
12/21-Present SECTION 17 PROJECT	SHARP ROAD: Mandeville, LA. <i>Project Manager</i> - 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.
08/02-12/15	H.002301 / NORTH SHERWOOD FOREST DRIVE IMPROVEMENTS: East Baton Rouge Parish, LA. <i>Project Manager/Lead Road Design Engineer</i> - This project replaced 1.8 miles of rural two-lane roadway with a five-lane urban roadway with subsurface drainage, including the design of 6' sidewalks on both sides of the roadway. Mr. Lohmann managed the project from the EA through final plans. On the preliminary and final plan phases, he served as the lead road design engineer and was responsible for complete development of the roadway plans, including the topographic survey, horizontal and vertical geometry, existing and design drainage maps, right-of-way maps, sub-surface drainage design, cross drain design, erosion control, striping and construction phasing. He personally designed the geometric alignments, turning lanes, numerous connections to and a re-alignment of existing roads with extensive earthwork requirements. This project included a level 2 TMP.
1992-1993	056-07-0010 / E. CRESSWELL ST. EXT., LA 31: Opelousas, LA. <i>Project Engineer</i> - Mr. Lohmann's responsibilities included geometrics , earthwork, drainage, sequence of construction, summary of estimated quantities, and cost estimate for preliminary and final plans on approximately 1 mile of roadway consisting of four 12' travel lanes and one 14' continuous turn lane on a new alignment with minor subsurface drainage and a level 2 TMP.
04/19-12/21	H.013542 / CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. <i>Project Manager</i> - Mr. Lohmann was Project Manager performed a Design Study including hydraulics, environmental, and geotechnical considerations, overseeing topographic survey and right-of-way (ROW) mapping as required; and developing preliminary and final construction plans and cost estimates. The project included 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. This project included a level 2 Transportation Management Plan (TMP). GEC also provided rebuilding of the approach roadways, as-designed LRFR Rating for the super- and sub-structures of these bridges, and drainage. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)

FIRM EMPLOYED BY		Volkert, Inc.	
NAME	Chris Patrick, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	36
TITLE	QA/QC	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1986 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		24424 / Louisiana / 09-30-2023	
YEAR REGISTERED	1991	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: 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).		
36 years of experience	Mr. Patrick has 36 years of experience in civil/environmental engineering and construction management and is a licensed civil and environmental engineer. His project experience includes water systems; sewer systems; piping; storm water, sewer, and water supply pump stations; small building design; and recreational facilities in both rural and urban settings. His design experience includes civil, structural, hydraulic, hydrologic, sanitary, mechanical, CAD, architecture, environmental, and cost estimating. Mr. Patrick has extensive experience with WaterCAD and Bentley Software.		
02/98 - Ongoing	TENSAS PARISH – WIDE WATER SYSTEM – TENSAS PARISH POLICE JURY: Tensas Parish, LA. Engineering, planning and feasibility studies, final designs and supervision of construction for several related projects to locate a source of potable water more suitable than the poor-quality ground water currently being used. Recommended improvements that were implemented including utilizing existing Lake Bruin as a source, construction of an intake structure, raw water pumping station and treatment plant along with associated transmission lines, storage, booster plants and regulators to distribute to other water systems in the Parish. Estimated cost \$4,200,000.		
04/19 - 02/21	PROPOSED LCDBG SEWER SYSTEM IMPROVEMENTS – BRENDELE STREET: Bastrop, LA. Project Supervisor. Project included surveying, permitting and design of replacement of existing sanitary sewer system gravity collection system lines and manholes. Project components include 16,000 linear feet of 12", 15" and 18" sanitary sewer gravity mains and sewer manholes. Project included civil, hydraulic, sanitary, CAD, environmental and cost estimating.		
11/21 - 10/22	PROPOSED WASTEWATER COLLECTION SYSTEM – AIRLINE DRIVE: Bossier Parish, LA. Project Supervisor. Project included surveying, permitting and design of new gravity sanitary sewer collection system lines to facilitate new commercial customers and business developments. Project components include 4,000 linear feet of 12" and 15" sanitary sewer gravity mains and sewer manholes. This project is an ongoing continuation of a parish-wide sewer system consolidation project. Project included civil, hydraulic, sanitary, CAD, environmental and cost estimating.		
08/19 - 07/20	PROPOSED PARGOUD STREET LIFT STATION FORCE MAIN RELOCATION: Monroe, LA. Project Supervisor. Project included surveying, permitting and design of a new sewer force main for an existing pump station in an existing subdivision. Project components include 4,000 linear feet of 6" sanitary sewer force main. Project included civil, structural, hydraulic, sanitary, CAD, environmental and cost estimating.		
05/19 - 08/20	PROPOSED LCDBG SEWER SYSTEM IMPROVEMENTS – MERRYWOODS SUBDIVISION: Bossier Parish, LA. Project Supervisor. Project included surveying, permitting and design of replacement of existing sanitary sewer system gravity collection system lines and manholes. Project components include 3,600 linear feet of 8" sanitary sewer gravity mains. This project is an ongoing continuation of a parish-wide sewer system consolidation project. Project included civil, hydraulic, sanitary, CAD, environmental and cost estimating.		
04/16 - 05/17	PROPOSED LCDBG SEWER TREATMENT PLANT IMPROVEMENTS: Bonita, LA. Project Supervisor. Project included surveying, permitting and design of a complete renovation to an existing extended aeration sewer treatment facility. Project components include a new aeration system for an existing racetrack style primary oxidation basin, rehabilitation of an existing clarifier, rehabilitation of existing sludge drying beds, rehabilitation of an existing rock filter and rehabilitation of an existing chlorine contact chamber. Project included civil, structural, hydraulic, sanitary, mechanical, electrical, CAD, environmental and cost estimating.		


FIRM EMPLOYED BY **Volkert, Inc.**


NAME	Chris Patrick, PE <i>Continued Resume</i>
11/16 - 02/17	PROPOSED LIFT STATION AND FORCE MAIN FOR KINGSTON ROAD: Bossier Parish, LA. Project Supervisor. Project included surveying, permitting and design of a new sanitary sewer lift station, force main and gravity sanitary sewer lines for a parish-wide sewer system consolidation project. Project components include 8,900 linear feet of 18", 15", 12", 10" and 8" gravity sanitary sewer lines, 18,150 linear feet of 20" and 30" sanitary sewer force mains and one (1) primary sewer lift station serving the entire Kingston Road service area. This project is an ongoing continuation of a parish-wide sewer system consolidation project. Project included civil, structural, hydraulic, sanitary, mechanical, electrical, CAD, environmental and cost estimating.
01/15 - 02/15	PROPOSED LIFT STATION AND FORCE MAIN FOR HWY. 80: Bossier Parish, LA. Project Supervisor. Project included surveying, permitting and design of new sanitary sewer lift station and force main for a parish-wide sewer system consolidation project. Project components include 64,250 linear feet of 24" and 30" sanitary sewer force mains and one (1) primary sewer lift station serving the entire Highway 80 service area. This project is an ongoing continuation of a parish-wide sewer system consolidation project. Project included civil, structural, hydraulic, sanitary, mechanical, electrical, CAD, environmental and cost estimating.
09/00 - 08/01	CITY OF TALLULAH – MASTER WATER IMPROVEMENT PLAN: Tallulah, LA. Engineering and feasibility studies to determine the most cost-effective plan to improve water service to the City of Tallulah who were currently served by a private utility who were attempting to treat very poor-quality ground water. All available sources were studied including both ground and surface water. Recommendations included the City purchasing the system from the Private Utility and building the necessary infrastructure to utilize surface water from Poverty Point Reservoir approximately 20 miles distant as no ground water source with a good quality of water could be located within that range. Estimated project cost \$12,000,000.

FIRM EMPLOYED BY G.E.C., Inc.			
NAME	Thomas Swanson, PE, PTOE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	16
TITLE	ITS Section Manager	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	10
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1992 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	30139 / Louisiana / 09-30-2024 1016 / US / 04-10-2024		
YEAR REGISTERED	2002; 2006	DISCIPLINE	Professional Engineer, Civil; Professional Traffic Operations Engineer (PTOE)
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Traffic Coordination & 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. Swanson's career began over 40 years ago when he worked as an electrician for the U.S. Navy. He later graduated in Civil Engineering and has focused much of his career on traffic, ITS, & electrical engineering projects since 1992. While in GEC's Electrical Department, Mr. Swanson has provided professional engineering services associated with Stage 0 Feasibility Studies, Stage 1 Environmental Assessments, traffic studies & traffic signal design, traffic data collection & analysis, traffic signal warrant analysis, traffic signal timing & optimization, design of isolated traffic signal intersections, development of traffic control devices plans and computerized signal system design and engineering projects. Mr. Swanson has working knowledge of LADOTD's Sign Manual, Pavement Marking Manual, Traffic Signal Manual, Traffic Engineering Process and Report, and Traffic Engineering Manual. He has completed Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC. Mr. Swanson has completed a number of Level 1-4 Transportation Management Plans (TMP), both for ITS and lighting projects. He supports GEC's engineering group by providing traffic engineering analysis and design in support of the production of preliminary plans for the design and development of construction plans for roadway improvement projects.</i></p>		
02/20-Present	<p>H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Traffic Engineer - Mr. Swanson's responsibilities included the ITS system relocation design, and construction signage and striping (Maintenance of Traffic) and permanent signage and pavement markings. Mr. Swanson completed the construction signing/striping layout as well as permanent signing/striping.</p>		
05/14-12/15	<p>GNOEC, COLD MILL AND OVERLAY THE EAST AND WEST CAUSEWAY BLVD APPROACHES: Mandeville, LA. Traffic Engineer - Mr. Swanson provided traffic engineering services for numerous extended-term data collection of 24-hour counts to mill and overlay the Causeway Blvd. approaches in conjunction with GEC's ongoing contract.</p>		
09/19-Present	<p>LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA. Traffic Engineer - Mr. Swanson performed design of ADA-compliant pedestrian crossings at Airline Highway (US 61) and Main St (LA 44) for this ongoing project. He also completed a pedestrian/traffic study for the Main Street (LA 44) corridor analyzing and observing vehicular and pedestrian traffic, to assess the need to add crosswalks.</p>		
2017	<p>PALMISANO BLVD. IMPROVEMENTS: Chalmette, LA. Traffic Engineer - Mr. Swanson completed striping and signing for a bike path.</p>		
2018	<p>FLEUR DE LIS BLVD IMPROVEMENTS: New Orleans, LA. Traffic Engineer - Mr. Swanson performed a Highway Safety Analysis and designed the striping and signage for the roadway, which included crosswalks and roadside parking.</p>		
2013	<p>ESSEN LANE WIDENING, DISTRICT 61: Baton Rouge, LA. Traffic Engineer - Project included widening and improvements of Essen Lane in Baton Rouge between Jefferson Highway and I-10, by adding additional lane in the southbound direction. Mr. Swanson designed modifications and enhancement of existing signals, and the development of a Transportation Management Plan.</p>		
04/16-10/16	<p>H.010843/ORMOND BLVD. REHAB: St. Charles Parish, LA. Traffic Engineer - Mr. Swanson performed traffic counts a new roadway striping plan.</p>		
2012	<p>H.008046 / LA 3152 CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA. Traffic Engineer - Mr. Swanson performed a study of the existing alignment and recommended geometric improvements, specifically improvement of the Clearview/Airline Highway and Clearview/Mounes Ave. Intersections. Performed the Stage 0 for the project, and involved in the Transportation Management Plan for the construction project.</p>		


FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Christopher Nipper, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	6
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 / 09-31-2023	
YEAR REGISTERED	2019	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Road Design, Drainage	
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>Mr. Nipper has 8 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.</p>		
09/20-Present SECTION 17 PROJECT	<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-Present SECTION 17 PROJECT	<p>LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA. Road Design Engineer - The project involved the design of a shared use path along Airline Highway that would connect to Main St. This path will accommodate pedestrians and bicyclists to improve accessibility and mobility, along with 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>		
06/17-Present SECTION 17 PROJECT	<p>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.</p>		


FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Christopher Nipper, PE <i>Continued Resume</i>
02/20-Present	H.013897, I-10 & I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Roadway Design - Mr. Nipper is Roadway Designer for the GEC/Boh Bros. team. GEC is 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. Design is in accordance with Louisiana Standard Specifications for Highways and Bridges and LADOTD's Roadway Design Procedures and Details Manual.
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.
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.
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 associated with this project.
06/22-Present SECTION 17 PROJECT	SHARP RD.: Mandeville, LA. Road Design Engineer - This project involved the design of subsurface drainage systems, and the replacement of existing cross drains to increase safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists. The existing cross drains were analyzed and upgraded accordingly to handle the 50-year design storm in that region. The project also involved the reconstruction of the roadway and roadside ditches, while staying within the existing right-of-way, and the construction of a pedestrian walkway. Mr. Nipper was responsible for the entire design for the project, including standard safety features, including rumble strips, visible lane markings, shoulder wedge, guardrails, and safety end treatments, along with delineating drainage areas for multiple cross drains, and many subsurface systems, and determining the sizes and placement for these new drainage structures. Mr. Nipper developed the construction plans for the project, and also calculated the quantities required for construction.
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.
09/19-Present	WEST TAMMANY HILLS DRAINAGE: Covington, LA. Project Engineer - Mr. Nipper has assisted in the delineation of drainage maps and hydraulic calculations. He was involved in the design of the subsurface drainage systems and the roadway rehabilitation design. He also assisted in the development of the construction plans and associated quantities.
06/20-10/20	US HWY 190 DRAINAGE CROSSING: Livingston Parish, LA. Road Design Engineer - This project involved the design of a concrete box culvert cross drain. This cross drain was being added alongside an existing box culvert in order to assist with drainage to alleviate backwater flooding. Mr. Nipper calculated the quantities and developed the construction plan documents. Mr. Nipper also assisted in the drainage analysis and design of the concrete box culvert.
2018	US 90 (FUTURE I-49 SOUTH), LA 318 INTERCHANGE, ROUTE US 90: St Mary Parish, LA. QA/QC - GEC was the Owner Verification Firm (OVF) for this Design-Build Project, which includes the CE&I, right-of-way acquisition, and utility relocation. Mr. Nipper was involved in the QA/QC of the construction plans. He checked quantities, and verified that elements of the design met LADOTD standards.


FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Logan Michel, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1
TITLE	Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	7
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2015 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		43970 / Louisiana / 03-31-2024	
YEAR REGISTERED	2019	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: 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>Logan Michel, PE has 8 years of experience focused on road design. He was involved in developing all aspects of roadway planning for LADOTD state projects, including bridge spot replacement, roundabouts, overlay projects, and new roadway development. His expertise includes planning and design, project and construction management, and preparation and review of construction data and reports, including cost estimates, specifications, test results and schedules. He provided oversight for major projects and conducted project meetings on design modifications, work progress and safety measures. Mr. Michel has completed the Traffic Engineering Analysis Process and Report Modules 1-3 training. He has experience developing Level 1 & 2 Transportation Management Plans for roadway construction projects and is familiar with the current editions of LADOTD's Louisiana Standard Specifications for Roads and Bridges, LADOTD's Roadway Design Procedures and Details Manual, LADOTD's Minimum Design Guidelines, Roadside Design Guide, and Hydraulics Manual.</i></p>		
08/22-Present	<p>MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA. Project Engineer - 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. Michel is providing project design services.</p>		
08/22-Present SECTION 17 PROJECT	<p>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. Michel is reviewing GEC's final plans which are more than 95% complete in accordance with LADOTD's Roadway Design Procedures and Details Manual.</p>		
10/18-10/21	<p>H.010815.6 / LA 124 EXTENSION (SEGMENT 1): Catahoula Parish, LA. Project Engineer - This project consisted of constructing a private drive into a new state road (LA 124). Mr. Michel's responsibilities included plan production, designing new vertical and horizontal alignments based on LADOTD's Minimum Design Guidelines and Roadside Design Guide, hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.</p>		
03/16-08/19	<p>H.001679.6 / LA 146 BRIDGES NEAR VIENNA: Lincoln Parish, LA. Project Engineer - This multiple site project included replacing three deficient bridges on LA 146 on the existing horizontal alignment with 4-8'X8' reinforced box culverts, 4-7'X6' reinforced box culverts, and a new slab span bridge. Mr. Michel's responsibilities included all engineering design for civil roadway aspects including plan preparation and production; design of vertical alignment and superelevation based on LADOTD's Minimum Design Guidelines and Roadside Design Guide, drainage and guardrail design; design of an overlay section; signage and detour layout; crash data study; cost analysis and estimation.</p>		
07/17-11/19	<p>LA 532 OVER I-20 BRIDGE REPLACEMENT: Webster Parish, LA. Project Engineer - This project consisted of replacing a deficient bridge on LA 532 over Interstate 20 onto a new horizontal alignment using phase construction so traffic flow can be maintained throughout the project including all necessary widening and interchange modifications. Portions of the side roads and the ramps connecting LA 532 to I-20 had to be re-designed because LA 532's geometrics changed. Mr. Michel's responsibilities included plan production; the design of vertical and horizontal geometry based on LADOTD's Minimum Design Guidelines and Roadside Design Guide; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.</p>		

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Bliss Bernard, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1
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 / 03-31-2025	
YEAR REGISTERED	2018	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Road Design, Drainage	
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>		
06/14-05/20	<p>H.972169.1 (4400005388) AND 4400002481. LOUISIANA DOTD SHSP IMPLEMENTATION: Statewide. <i>Project Manager-</i> 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.</p>		
02/18-12/21	<p>H.006459 / RODDY /CHURCHPOINT RD ROUNDABOUT: Ascension Parish, LA. <i>Project Manager -</i> Mrs. Bernard was Project Manager on this project re-design. Due to funding restrictions, the project was not constructed in a timely manner, and the Parish issued the prime consultant with the project in 2018 to update the original submittals in accordance with updated LADOTD standards. The project was needed to improve safety at the intersection of Roddy Road/Churchpoint Road in Ascension Parish. 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.</p>		
01/16-04/17	<p>H.011014 / LA 3002: U-TURN: Denham Springs, LA. <i>Project Manager-</i> 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 developed 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>		


FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Bliss Bernard, PE <i>Continued Resume</i>
01/20-12/21	H.002297 LA 37 (SULLIVAN ROAD TO LIBERTY ROAD): East Baton Rouge Parish, LA. Project Manager - Mrs. Bernard served as the Project Manager and was the engineer-of-record responsible for managing and providing all engineering, environmental, and planning services required to determine necessary improvements along the corridor. The purpose of the project was to improve operations and safety along LA 37. Safety improvements were intended to reduce both the number and severity of crashes, and operational improvements included alternatives to increase capacity, reduce traffic delays, and improve the overall level of service in an effort to move people and goods more efficiently. The most common and severe overrepresented crash types was non-collision roadway departures and lack of paved shoulders, substandard roadside ditch slopes, objects within the clear zone, poor lighting, and insufficient pedestrian facilities all contributed to the number and severity of crashes. Mrs. Bernard managed the overall project and was responsible for establishing design criteria in accordance with LADOTD and overseeing concept development and evaluation for roadway alternatives to improve both safety and operations. She served as the engineer-of-record, preparing the Stage 0 Feasibility Study & Environmental Inventory to examine feasibility of improving mobility and operations. She evaluated alternatives and presented findings to LADOTD to select 3 preferred alternatives for 3 segments along LA 37. Upon completion of alternatives traffic study, she was responsible for environmental documentation and developed final signed and sealed Stage 0 Feasibility Report including Stage 0 Checklist, Environmental Checklist, roadway engineering plans, and opinion of probable cost.
06/14-05/17	H.011790 / RIVER ROAD NORTH WIDENING AND OVERLAY: Denham Springs, LA. Project Manager - Mrs. Bernard provided engineering design to widen and 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 designed preliminary and final roadway, sidewalk, and drainage plans and developed construction documents for the River Road North Widening and Overlay Project. She served as the project manager for this project and coordinated between utility companies, LADOTD, and sub-contractors. She coordinated with another design team, which was designing an emergency bridge replacement along the corridor, ensuring seamless design between the 2 projects.
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 in accordance with LADOTD standards, to improve safety at intersections. She also managed the traffic sub-consultant, ensuring quality control of all submittals.
02/15-01/19	H.010723 NORTH BOULEVARD PROMENADE & H.009783 BATON ROUGE GREENWAY: East Baton Rouge, LA. Project Manager - The BR Greenway is a part of an interconnected network of bike/pedestrian pathways that links inner city neighborhoods and expands to downtown parks, businesses, & cultural attractions, utilizing the existing BREC parks, interstate infrastructure, & public rights-of-way. Mrs. Bernard served as the Project Manager and lead engineer to construct a multi-use path, bike lanes, intersection improvements, sidewalks, and median design along the median of North Boulevard from 5th Street to East Boulevard and along East Boulevard to the intersection with the I-10/I-110 interchange. Mrs. Bernard made initial site visits and coordinated with the survey team to assess existing conditions, pathway dimensions, and utility layout. She assisted with the design of the North Boulevard Promenade and the Baton Rouge Greenway in Downtown Baton Rouge, which established a multi-use path within the existing boulevard, created a secondary path as a different way to experience the trees and gardens, and provided safe crossings for bicycle and pedestrian traffic. The design of the multi-use path required Mrs. Bernard to develop typical sections, grading plans, signage and striping layout, geometric layout, demolition layout, and other engineering plans and specifications. Mrs. Bernard was also tasked with developing preliminary and final cost estimates, construction documents, coordination with sub-consultants, and packaging for submittal to LADOTD. Mrs. Bernard was responsible for the engineer's opinion of probable cost, which was highly accurate as the construction bid came in at 1.9% below the engineer's estimate.
06/15-05/17	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.

FIRM EMPLOYED BY G.E.C., Inc.			
NAME	Tom Coerver Jr., PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	33
TITLE	Senior Electrical Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	6
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1980 / Electrical Engineering; MBA / 1990 / Management Information Sys	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		30722 / Louisiana / 09-30-2023	
YEAR REGISTERED	2003	DISCIPLINE	Professional Engineer, Electrical & Computer
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Roadway Lighting	
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>Mr. Coerver has experience in engineering and planning for interstate lighting, utilities distribution systems, automatic test systems, and navigation and flood control projects. He also has over 20 years of experience with computers using several operating systems for GIS design, implementation, and analysis; computer aided design and drafting; database design and analysis; and internet publishing. His most recent projects at GEC involved roadway and bridge lighting, electrical power distribution systems, fiber optic communication systems, and wireless and landline communication systems. Design duties include preparation of plans and specifications, Quality Control and Quality Assurance (QC/QA) review, calculations, data collection, and report preparation. Construction Engineering and Inspection (CE&I) duties include review of shop drawing and equipment submittals, respond to request for information, review/prepare as-built drawings, review payment applications, and perform periodic inspection and final system acceptance.</i>		
09/20-Present	H.004100.5 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Engineer - Mr. Coerver completed a Roadway, Walkway, Underpass, Service Road and Roundabout Lighting study and an enhancement lighting study for Segment 1 of the project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge. He also provides QA/QC for the lighting analysis, voltage drop calculation, and lighting layout of the enhancement lighting and roadway lighting.		
02/20-Present	H.013897 / I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, Louisiana. Electrical Engineer - Mr. Coerver has performed photometric and lighting layout design, sequence of construction, schedule analysis, and quality control review for the GEC/Boh Bros. team. GEC is 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 which consists generally of highway and bridge design and engineering services.		
06/17-Present SECTION 17 PROJECT	H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS BLVD: New Orleans, LA. Electrical Designer - Mr. Coerver was involved in roadway lighting design and provided QA/QC on this project. GEC Electrical is responsible for preparing a feasibility study for the lighting within the project limits that will be affected by the widening of the I-10 in this area. This includes a total length of 2 miles of widening and three interchanges, all of which will need revisions to the lighting systems as well as significant coordination with the FAA for the lighting design.		
06/15-Present	RETAINER NO. 44-2746, T.O. H.010916 / PRIEN LAKE MAIN SPAN RE-DECK: Lake Charles, LA. Electrical Designer - Mr. Coerver designed roadway lighting for this project under the signing engineer. Project limits include the I-210 Bridge over Prien Lake and the I-210 / Cove Lane Interchange. Project makeup consists of the following types of roadway lighting standards: 12 ground mount low mast and 50 barrier mount low mast. GEC provided design services under 2 Task Orders and will provide CE&I under a third. In addition, lighting control and power distribution and system protection is included.		
06/16-03/19	RETAINER NO. 44-2746, T.O. H.003451 / LA 434 INTERCHANGE LIGHTING (LACOMBE): Lake Charles, LA. Electrical Engineer of Record - Mr. Coerver was the signing engineer on this project. Project limits include the I-12 / LA 434 Interchange. Project makeup consists of the following types of roadway lighting standards: 72 ground mount low mast and 4 underpass. GEC provided design services and construction services under two Task Orders. In addition, lighting control and power distribution and system protection was included.		
07/15-10/16	RETAINER NO. 44-2746, T.O. H.010720 / I-12, LA 1088 INTERCHANGE LIGHTING: Slidell, LA. Electrical Engineer of Record - Mr. Coerver was the signing engineer on this project. Project limits include the I-12/ LA 1088 Interchange. Project makeup consists of the following types of roadway lighting standards: 68 ground mount low mast and 8 underpass. GEC provided design services and construction services under two Task Orders, in addition to lighting control, power distribution, and system protection.		

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Nicholas Montegut	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	5
TITLE	Electrical Designer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2017 / Electrical Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A	
YEAR REGISTERED	N/A	DISCIPLINE	N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Roadway Lighting	
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>Mr. Montegut has 5 years of experience in designing electrical lighting and power systems. As an electrical designer, under the supervision of a professional engineer, he has performed photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash analysis, and protective device sizing for LADOTD interstate and urban projects. In addition to roadway lighting projects, Mr. Montegut has experience in the analysis of generator systems performing generator-sizing calculations to meet a project's power requirements, voltage drop and conduit fill calculations, conductor sizing, protective device coordination and arc flash analysis using ETAP.</p>		
07/21-Present	<p>H.004100.5 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA. Electrical Design - Mr. Montegut assisted with an enhancement lighting study for Segment 1 of the project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge. He also assists in the design of the Roadway, Walkway, Underpass, Service Road and Roundabout Lighting. Mr. Montegut is involved in the lighting analysis, voltage drop calculation, and lighting layout of the enhancement lighting.</p>		
07/18-Present	<p>H.003074.5 / WILLIAMS BLVD – VETERANS BLVD., ROUTE I-10: Jefferson Parish, LA. Electrical Design - Mr. Montegut completed design work under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing.</p>		
05/20-03/23	<p>SECTION 17 PROJECT</p> <p>RETAINER NO. 44-11354, H.013442.6 / I-10, CROWDER BOULEVARD INTERSTATE LIGHTING: LA. Construction Engineering and Inspection - In July 2019, GEC was selected by LADOTD for a six-year retainer contract to provide Stage 3 (Design) and Stage 5 (Construction Support/Inspection), services. For the I-10: Crowder Blvd. Interstate Lighting, Route I-10 project in Orleans Parish (H.013442), Mr. Montegut provided construction related engineering services.</p>		
12/19-Present	<p>RETAINER NO. 44-10428, H.004774.5/H.007300.6 / KANSAS LANE – GARRETT RD CONNECTOR: Ouachita Parish, LA. Electrical Design - Mr. Montegut is currently providing the design work through the 98% stage under the supervision of the signing professional engineer. 100% sealed drawings are anticipated to be completed later in 2023. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing.</p>		
03/18-Present	<p>RETAINER NO. 44-4128, H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): LA. Electrical Design - Mr. Montegut has provided design work for a lighting feasibility study. This task included preliminary lighting analysis and light pole layouts for coordination with the FAA due to nearby proximity of Lafayette Regional Airport.</p>		
09/20-Present	<p>H.013897 / I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, Louisiana. Electrical Design - Mr. Montegut completed the design work under the supervision of the signing professional engineer. Design task included construction plan set development, photometric calculations, voltage drop and conduit fill calculations, conductor sizing, equipment specifications, arc flash hazard analysis, and protective device sizing for the GEC/ Boh Bros. team. GEC is 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</p>		

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Keith Rebello, PhD, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	24
TITLE	Structural Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	6
DEGREE(S) / YEARS / SPECIALIZATION		BS / 1983 / Civil Engineering; MS / 1986 / Civil Engineering; PhD / 1990 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		24937 / Louisiana / 03-31-2025	
YEAR REGISTERED	1992	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Structural 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 30 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>		
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 Q.C.</p>		
04/13-Present	<p>H.011207 & H.011239, LA 1 BRIDGE, LEEVILLE TO GOLDEN MEADOW: Lafourche Parish, LA. Structural Engineer - Dr. Rebello serves 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 consists of prestressed concrete Type III girder spans. The new bridge portions will be 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.</p>		
06/12-Present	<p>H.003074, I-10 NEW ORLEANS, WILLIAMS TO VETERANS: New Orleans, 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. Initial extensive load rating of the existing bridges done at GEC, resulted in LADOTD making an informed decision to replace the bridges. 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 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. 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, lead designer for the superstructure design, included composite pre-stress and steel girder span. All pre-stress girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specifications.</p>		
08/05-07/13	<p>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.</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Keith Rebello, PhD, PE <i>Continued Resume</i>
04/19-06/23	CHEVELLE 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 slab span bridge. Both bridges will have pedestrian walks 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.
09/20-Present SECTION 17 PROJECT	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. 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 will start with an in-depth investigation of the bridge superstructure and substructure. The inspection report will provide Condition Ratings for the superstructure, substructure, and piles. The Condition Ratings will be used in the performance of a bridge load rating based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. 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)
02/20-Present	I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, LA. Bridge Task Lead - Dr. Rebello is Bridge Task Lead for the GEC/Boh Bros. team. He has been 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 and is currently working on the design of the required Sound Barriers.
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.
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 the wall cap on Wall No. 12. Both truss supports and light pole supports are anchored to concrete foundations using pre-installed concrete anchor rods. All designs are in accordance with "AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals".
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.
07/09-06/10	450-15-0089 / I-10 WIDENING – CAUSEWAY BLVD. TO 17TH STREET CANAL: Metairie, LA. Structural Engineer - Dr. Rebello supervised the design & designed the pre-stressed girder spans, curved steel girder spans and integral steel box beam column cap for this 3.12-mile continuous bridge. Dr. Rebello was a major participant in construction sequencing of this highly congested urban interstate project.

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Varaprasad Venkata, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	16
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 / 09-30-2024	
YEAR REGISTERED	2016	DISCIPLINE	Professional Engineer, Structural
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Structural 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).		
	<p>Mr. Venkata has 26 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.</p>		
09/20-Present SECTION 17 PROJECT	<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-Present	<p>H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA. Primary Bridge Engineer - Mr. Venkata is 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. Currently, he is working on developing 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: New Orleans, 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>		
03/17-Present	<p>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.</p>		

FIRM EMPLOYED BY G.E.C., Inc.	
NAME	Varaprasad Venkata, PE <i>Continued Resume</i>
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.
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.
04/13-12/17	H.011207 & H.011239 / LA 1 – LEEVILLE TO GOLDEN MEADOW: PHASE 2A & PHASE 2E (WIDENING AND NEW BRIDGE): Lafourche Parish, LA. Structural Engineer - Mr. Venkata served on a team responsible for rating existing bridge, design of the widening of an existing bridge and the design and construction of a new bridge. The widened portion of the bridge consists of pre-stressed concrete Type III girder spans & two new spans consists of new LG girders . Varaprasad performed design of pile bents, column bents, AASHTO and LG type PSC girders, concrete deck, and pile supported elevated concrete foundation maintenance platform for relocated and new 60' camera pole in accordance with AASHTO LRFD Bridge design specifications. Also designed structural sign supports for highway signs and luminaries according to AASHTO and LADOTD BDEM. Performed structural design for ladder system connecting the platform to the bridge deck in accordance with AASHTO and LADOTD standard specifications. Services included design, development of plans & specs.
2019-Present	4400011354 / LADOTD, ELECTRICAL RETAINER: Statewide, LA. Structural Engineer - Mr. Venkata performs structural design as needed, which has consisted of design of light poles (steel and aluminum) supports, structural components, ground-mounted light pole foundations (low and high, including anchor bolts, base plates, concrete components, and drilled shafts), and structure-mounted light pole attachments (barrier mounted, concrete blisters, steel brackets, and concrete anchors) in accordance with AASHTO standard specifications.

FIRM EMPLOYED BY		Volkert, Inc.	
NAME	Randy Denmon, PE, PLS	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	26
TITLE	Project Manager & Hydraulics / Survey	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1991 / Mathematics; M.S. / 1996 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		29390 / Louisiana / 03-31-2025 4798 / Louisiana / 03-31-2025	
YEAR REGISTERED	1996; 2001	DISCIPLINE	Professional Engineer, Civil; Professional Land Surveyor
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Civil / Survey	
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).		
26 years of experience	<i>Mr. Denmon has 26 years experience in surveying and civil engineering for clients such as: La. Department of Transportation, and other State Agencies, Watershed and Lake Districts, the NRCS, and many local governments. Mr. Denmon has extensive experience with Trimble, Microstation and Bentley computer aided design software: and the LADOTD's Location and Survey Procedures for both topographic and right of way surveys. Mr. Denmon's certifications include: ATSSA Certified Flagger</i>		
07/22 - 01/23	IDIQ CONTRACT FOR DESIGN OF SAFETY PROJECTS: Statewide With Majority Of Work In Districts 04, 05 And 58. Contract No. 4400019871, LADOTD. Sub to Gresham Smith for Topographic and Right of Way Surveys . One Task Order Complete. Surveyor in charge of all survey work.		
12/21 - 01/23	IDIQ CONTRACT FOR LOUISIANA WATERSHED INITIATIVE (LWI) MODELING CONTRACT, REGION 3, LADOTD, STATE CONTRACT NO. 4400017069: Sub to Wood for topographic surveying on streams and bridges. Four Task Orders for \$1,426,244. Surveyor in charge of all survey work.		
04/08 - 01/23	KANSAS LANE CONNECTOR, LADOTD: Engineer of record for all design work to include geometric design, drainage and final plans for approximately 3 miles of new urban 4 and 5 lane roadway. Construction Cost Estimate: \$43,000,000. H.007289		
11/19 - 10/20	LA 3249: Roundabout @ I-20/Well Rd., Ouachita Parish, LA, LADOTD. Project Engineer. Design of roundabout on LA 3249 within existing right-of-way. Project included five lane to two lane concrete roundabout with sub-surface drainage and concrete on/off ramps with sub-surface drainage. Work included: design drainage, geometric design, joint layout, typical sections, marking plans, preliminary and final plans, quantity calculations and cost estimates.		
01/12 - 11/18	FLOOD CONTROL IMPROVEMENTS TO THE ROCHELLE ST., ROSELAWN ST. & 11TH AREA OF MONROE, LADOTD: Project included all surveying , environmental permitting, H&H Modeling with HEC-HMS and HEC-RAS, Final Plans, Bidding and Construction Inspection. Project included new 6-acre retention pond and modifications to the existing Rochelle St. Pump Station. Project Cost: \$2,153,000. Project funded through the LADOTD's Statewide Flood Control Program.		
01/17 - 09/21	RETAINER CONTRACT FOR SAFE ROUTES TO SCHOOLS (SRTS) AND LOCAL ROAD SAFETY PROGRAM (LRSP), LADOTD. CONTRACT NO. 4400005894: Complete topographic and right of way surveys for six projects. Surveyor in charge of all survey work.		
01/00 - 04/08	JCT. US 84 - JCT. LA 126; ROUTE LA 34; WINN PARISH; SPN 700-64-0102; FAP NO. STP-591-1(008), LADOTD: Design, and Topographic and R-O-W surveys for the relocation and reconstruction of approximately 11 miles of rural state HWY 34. Engineer and surveyor on the project.		
03/09 - 04/11	OLIVER ROAD WIDENING, SPN 742-37-0019, ARR 3709(504), LADOTD: Widening and reconstruction of 1 mile of urban road from 2 land to 3 lanes. Engineer of record and surveyor in charge of topographic and right of way surveying .		
03/01 - 04/16	FINK'S HIDE-A-WAY ROAD PROJECT NUMBER SPN 700-24-0087, FAP 8456 (002), LADOTD: Project Engineer. Widening approximately 2 miles of Finks Hide-A-Way road in Ouachita Parish to three/five lane undivided roadway with underground drainage. Prime Engineer in charge of roadway design for the entire project. Project included concrete roadway, curb and gutter, and underground drainage. Work included: drainage design, geometric design, typical sections, preliminary and final plans, quantity calculations and cost estimates.		

FIRM EMPLOYED BY		Volkert, Inc.	
NAME	Steven Lengefeld	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	26
TITLE	Survey Manager	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	2
DEGREE(S) / YEARS / SPECIALIZATION	Certificate / 1992 / Drafting & Design Technology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Survey Technician		
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).		
28 years of experience	<p><i>Mr. Lengefeld serves as the Survey Manager for Volkert's Monroe, Louisiana office. For the past 25 years, Mr. Lengefeld has been actively engaged in the field of survey. He does the processing of survey data, cost estimates, & drafting, especially as it relates to property plats, easements and right of ways. Mr. Lengefeld has used several Cad platforms and various design packages, such as Microstation V8i, Autocad 2018, Inroads V8i, Softdesk & Civil 3D and Trimble software to process survey data and produce property plats and other drawings as it pertains to survey. Mr. Lengefeld also writes legals for property plats. He works with the project managers and engineers to provide quality surveys needed for their projects. Mr. Lengefeld's responsibilities include the preparation of preliminary and final plats and legals. He manages the scheduling of three survey crews and does all the purchasing of equipment and survey supplies. Mr. Lengefeld is in contact with clients as it relates to surveying and communicates with each survey crew on a daily basis for direction of each day. Mr. Lengefeld's certifications include: ATSSA Traffic Control Supervisor, ATSSA Certified Flagger</i></p>		
07/17 - 09/18	SAFE ROUTES TO SCHOOLS AND LOCAL ROAD SAFETY PROGRAM, LADOTD: Mr. Lengefeld served as Survey Supervisor. Surveying and CE&I on six safe roads projects in North Louisiana.		
2014 - 2021	NRCS CONSERVATION EASEMENTS: Worked on several NRCS projects throughout North and central Louisiana. His work included courthouse research, managing and directing the survey crew in topographic and boundary survey work on site, processing survey data, creating drawings into property and boundary plats, writing legals and being in communication with property owners as it relates to the progress of each survey.		
2014 - Ongoing	ATMOS ENERGY. WORK DIRECTLY WITH ATMOS ENERGY ON SEVERAL PROJECTS ACROSS NORTH LOUISIANA: These projects include topographic survey, layout of gas lines and right of ways, property plats and legals for above ground right of way and below ground right of way and easements.		
2016 - 2018	BOSSIER PARISH PROPOSED STREET IMPROVEMENTS – DISASTER RELIEF – 2016 FLOOD EVENT: Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, using Microstation V8I, Autocad 2018 & Civil Packages. Directed the survey crew in getting topographic survey needed for engineers.		
2008 - 2013	SPN 700-24-0087; FAP NO. STPM-8456(002); FINK'S HIDE A-WAY ROAD (US 165 - RAYMOND DRIVE): Ouachita Parish. Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation J & Civil Packages. Directed the survey crew in getting topographic survey needed for engineers.		

FIRM EMPLOYED BY		Volkert, Inc.	
NAME	Bryan Ardoin	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	11
TITLE	Party Chief	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	1
DEGREE(S) / YEARS / SPECIALIZATION		N/A	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A	
YEAR REGISTERED	N/A	DISCIPLINE	N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Party Chief	
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).		
12 years of experience	<i>Mr. Ardoin has 12 years of experience as a Party Chief.</i>		
07/17/-08/18	SAFE ROUTES TO SCHOOLS AND LOCAL ROAD SAFETY PROGRAM, LADOTD: Surveyor, Project Manager for six striping and sidewalk projects. Surveying and CE&I on six safe roads projects in North Louisiana.		
01/16-08/20	KANSAS LANE EXTENSION, 700-37-0125, SURVEYOR FOR PRELIMINARY AND FINAL DESIGN OF 3.7 MILES OF NEW FOUR/FIVE LANE DIVIDED AND UNDIVIDED ROADWAY FROM US 165 TO US HIGHWAY 80: Volkert was the Prime Engineer in charge of roadway design for the entire project. Project included five lane concrete roadway with sub-surface drainage and four lane asphaltic concrete rural roadway with open ditches. Work included: drainage design, geometric design, typical sections, preliminary and final plans, quantity calculations and cost estimates. Project Cost: \$33,000,000.		
02/15-08/20	RED CHUTE LEVEE, S.P. NO. H.011353: Surveyor for final design and right of way maps to widen 7 miles of levee on Red Chute Bayou.		
2/15-08/20	NRCS WETLAND RESTORATION PROGRAM, RIGHT OF WAY SURVEYS: Mr. Ardoin serves as Party Chief.		
01/23 - Ongoing	CITY OF WINNSBORO INDUSTRIAL PARK SITE: Topographic Survey. Mr. Ardoin serves as Party Chief.		
2014 - Ongoing	ATMOS ENERGY: Work directly with Atmos Energy on several projects across North Louisiana. These projects include topographic survey, layout of gas lines and right of ways, property plats and legals for above ground right of way and below ground right of way and easements.		
08/22 - Ongoing	LWI REGION 3: Surveying of structures and cross sections in Northeast Louisiana. Mr. Ardoin serves as Party Chief.		

FIRM EMPLOYED BY		Volkert, Inc.	
NAME	Benny Fox	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1
TITLE	Rodman	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION	N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Rodman		
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).		
1 years of experience	<i>Mr. Fox joined Volkert in 2022. He serves as the Rod Person and the survey party who holds a leveling rod or prism pole to permit sighting with the surveying instrument.</i>		
08/21 - 08/22	SAFE ROUTES TO SCHOOLS AND LOCAL ROAD SAFETY PROGRAM, LADOTD: Mr. Fox served as Rod Person. Surveying and CE&I on six safe roads projects in North Louisiana.		
01/23 - Ongoing	CITY OF WINNSBORO INDUSTRIAL PARK SITE: Topographic Survey. Mr. Fox serves as Rodman / Instrument Man.		
08/22 - Ongoing	LWI REGION 3. SURVEYING OF STRUCTURES AND CROSS SECTIONS IN NORTHEAST LOUISIANA: Mr. Fox serves as Rodman / Instrument Man.		
10/22 - 11/22	WALNUT STREET UTILITIES. TOPOGRAPHIC SURVEY ON WALNUT STREET: Mr. Fox served as Rodman / Instrument Man.		

FIRM EMPLOYED BY NTB Associates, Inc.			
NAME	Paul Rossini	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	36.5
TITLE	CEO/ Principal	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	7
DEGREE(S) / YEARS / SPECIALIZATION		High School Diploma, 1980	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		4731 / Louisiana / 09-30-2024	
YEAR REGISTERED	1994	DISCIPLINE	Professional Land Surveyor
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: QA/QC for subsurface utility engineering services	
EXPERIENCE DATES (MM/YY–MM/YY)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT; I.E., “DESIGNED DRAINAGE”, “DESIGNED GIRDERS”, “DESIGNED INTERSECTION”, ETC. EXPERIENCE DATES SHOULD COVER THE YEARS OF EXPERIENCE SPECIFIED IN THE APPLICABLE MPR(S).		
11/15 – 05/17	BOSSIER PARISH POLICE JURY, WINFIELD ROAD EXTENSION, EAST/WEST (LA 3 TO AIRLINE HIGHWAY): Bossier Parish, LA (DEC 15-11-03) Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for control surveys, topographic surveys, property surveys, right-of-way mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert). This Bossier Parish Roadway Design Project was the first mile of the exact same route as advertised for this LaDOTD advertisement.		
01/23 – 08/23	JIMMIE DAVIS BRIDGE (LA 511) DESIGN-BUILD: Bossier & Caddo Parishes, LA (H.001779) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for Static GPS Control, topographic surveys, property surveys, right-of-way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
05/15 – 08/23	CITY OF BOSSIER, WALTER O. BIGBY CARRIAGEWAY (N. PKWY EXT.): Bossier Parish, LA (City Proj. No. 8-15) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for topographic surveys, Static GPS Control, property surveys, hydrographic surveying services, QL A, B, C, and D subsurface utility designation/locating. Currently, in the construction management support phase and addressing RFI’s as needed.		
08/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 05, 08, & 58 (4400019337): Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.		
04/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 02, 03, 07, 61, & 62 (4400019338): Principal-in-Charge of contract administration, staffing, logistics, and QA/QC for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.		
04/22 – 04/23	LADOTD MONKHOUSE TO I-49, CADDO PARISH, LA (4400017713): Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.		
12/17 – 07/20	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5) Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.		
07/16 – 03/17	LADOTD BAYOU FOUNTAIN, ROUTE LA 327 SPUR (GARDERE LANE): East Baton Rouge Parish, LA (4400006527 & H.002337.5) Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.		
04/15 – 02/16	LADOTD I-20 (AIRLINE DRIVE TO I-220) ROUTE I-20: Bossier Parish, LA (4400005532 & H.011319.5) Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveying services and surveys in support of QL B, C, and D subsurface utility designating.		



FIRM EMPLOYED BY NTB Associates, Inc.			
NAME	Amy Schulze, PE, CFM	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	5
TITLE	Project Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	20
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1998 / Civil Engineering; CFM National Certification: US-16-08839 / Electro-Magnetic Locating Instruments Certified / Certificate of Locating Competency #WA2028 (Staking University)		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	30295 / Louisiana / 03-31-2025		
YEAR REGISTERED	2002	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: supervise and manage all subsurface utility engineering services		
EXPERIENCE DATES (MM/YY–MM/YY)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT; I.E., "DESIGNED DRAINAGE", "DESIGNED GIRDERS", "DESIGNED INTERSECTION", ETC. EXPERIENCE DATES SHOULD COVER THE YEARS OF EXPERIENCE SPECIFIED IN THE APPLICABLE MPR(S).		
01/23 – 08/23	JIMMIE DAVIS BRIDGE (LA 511) DESIGN-BUILD: Bossier & Caddo Parishes, LA (H.001779) SUE Project Manager for QL A, B, C, & D subsurface utility designating/locating and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
01/19 – 08/23	LADOTD IDIQ CONTRACT FOR SUE SERVICES – TASK ORDERS NO. 1 -4: East Baton Rouge, LA (4400014660) SUE Project Manager for QL B subsurface utility designating for several additional areas around the I-10 corridor in conjunction with the on-going design-build contract.		
08/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 05, 08, & 58 (4400019337): SUE Project Manager for QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.		
04/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 02, 03, 07, 61, & 62 (4400019338): SUE Project Manager for QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.		
04/22 – 04/23	LADOTD MONKHOUSE TO I-49, CADDO PARISH, LA (4400017713): SUE Project Manager for QL C & D subsurface utility services for interstate rehabilitation.		
03/22 – 03/22	CITY OF BATON ROUGE/EAST BATON ROUGE PARISH, MOVEBR BLUEBONNET BLVD. (PERKINS – PICARDY): East Baton Rouge Parish, LA (19-CP-HC-0034) SUE Project Manager for QL A, B, C, and D utility designating/locating throughout the approximately 1.5 miles of the project corridor.		
03/21 – 03/22	CITY-PARISH WARD CREEK AT SIEGEN LANE: East Baton Rouge Parish, LA (22-DR-US-0013) SUE Project Manager for QL B, C, and D subsurface utility designating for approximately 1,500 feet of Ward Creek.		
07/21 – 12/21	BOSSIER PARISH POLICE JURY, LINTON ROAD CUTOFF INTERSECTION REDESIGN: Bossier Parish, LA (BPPJ 2021-126) Project Engineer evaluated options to improve the intersection including QL C subsurface utility services to produce a preliminary layout for a new intersection design.		
04/18 – 12/20	CITY OF BOSSIER, WALTER O. BIGBY CARRIAGEWAY (N. PKWY EXT.) : Bossier Parish, LA (City Proj. No. 8-15) SUE Project Manager for QL A, B, C, and D subsurface utility designating/locating in support of surveys and right-of-way mapping.		
04/18 – 07/20	LADOTD I-10: LA 415 to Essen Lane, West & East Baton Rouge Parishes, LA (H.004100.5) SUE Project Manager for QL B, C, and D subsurface utility designating and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.		
12/18 – 01/20	LADOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643) SUE Project Manager for QL A, B, C, and D subsurface utility designating/locating and surveys in support of QL A, B, C, and D subsurface utility designating/locating for approximately 2,600 feet of roadway.		
06/18 – 10/18	LADOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) SUE Project Manager for QL B, C, and D subsurface utility designating as well as for surveys in support of QL A, B, C, and D subsurface utility designating/locating.		



FIRM EMPLOYED BY NTB Associates, Inc.			
NAME	Belton Davis	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	5
TITLE	Party Chief	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	2
DEGREE(S) / YEARS / SPECIALIZATION	U.T.A. Certified Professional Utility Locator/ ATSSA TCT		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: SUE Party Chief		
EXPERIENCE DATES (MM/YY–MM/YY)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT; I.E., “DESIGNED DRAINAGE”, “DESIGNED GIRDERS”, “DESIGNED INTERSECTION”, ETC. EXPERIENCE DATES SHOULD COVER THE YEARS OF EXPERIENCE SPECIFIED IN THE APPLICABLE MPR(S).		
01/23 – 08/23	JIMMIE DAVIS BRIDGE (LA 511) DESIGN-BUILD: Bossier & Caddo Parishes, LA (H.001779) Party Chief overseeing field crews and downloading data for Static GPS Control, topographic surveys, property surveys, surveys in support of QL C & D subsurface utility services, and QL A & B subsurface utility designating/locating for the design-build project to replace the Jimmy Davis Bridge.		
08/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 05, 08, & 58 (4400019337): Party Chief overseeing a field crew and downloading data for topographic surveys, property surveys, and surveys in support of QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.		
04/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 02, 03, 07, 61, & 62 (4400019338): Party Chief overseeing a field crew and downloading data for topographic surveys, property surveys, and surveys in support of QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.		
04/22 – 04/23	LADOTD MONKHOUSE TO I-49, CADDO PARISH, LA (4400017713): Party Chief overseeing a field crew and downloading data for Static GPS control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and surveys in support of QL C & D subsurface utility services for interstate rehabilitation.		
01/23 – 01/23	MOVEBR PLANK ROAD ENHANCEMENT SEGMENT 2 (DAWSON DR. TO HARDING): East Baton Rouge Parish, LA (City Parish Proj. No. 20-EN-HS-0033) Party Chief performed QL A & B subsurface utility designating/locating for a proposed enhancement project to improve pedestrian and cyclist mobility and transit access.		
08/22 – 08/22	CENTERPOINT ENERGY SUE SERVICES, LA (CP 104334113, 101783539, 104364770): Junior Party Chief ran a field crew for QL B subsurface utility designating and surveys in support of SUE in Shreveport, DeRidder, and Sulphur, Louisiana.		
03/22 – 05/22	CITY OF BATON ROUGE/EAST BATON ROUGE PARISH, MOVEBR BLUEBONNET BLVD. (PERKINS – PICARDY): East Baton Rouge Parish, LA (19-CP-HC-0034) Instrument Man performed on a field crew for topographic surveys and QL A, B, C, and D utility designating/locating throughout the approximately 1.5 miles of the project corridor.		
12/21 – 03/22	CITY-PARISH WARD CREEK AT SIEGEN LANE, EAST BATON ROUGE PARISH, LA (22-DR-US-0013): Instrument Man performed on a field crew for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating for approximately 1,500 feet.		
04/21 – 04/21	I-10/ I-110 SUE SERVICES, EAST BATON ROUGE PARISH, LA (TASK ORDER NO. 1) (4400014660): SUE/ Survey Party Chief ran a field crew and downloaded data for topographic surveys and QL B subsurface utility designating for additional areas around and below the I-10 and I-110 flyover interchange including plan preparation		
06/18 – 06/20	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5) Rodman performed on a field crew for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles for interstate rehabilitation.		




FIRM EMPLOYED BY NTB Associates, Inc.			
NAME	Adam King	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	13.5
TITLE	CADD Drafter	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION	N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: process data support of subsurface utility designating, produce SUE drawings		
EXPERIENCE DATES (MM/YY–MM/YY)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT; I.E., “DESIGNED DRAINAGE”, “DESIGNED GIRDERS”, “DESIGNED INTERSECTION”, ETC. EXPERIENCE DATES SHOULD COVER THE YEARS OF EXPERIENCE SPECIFIED IN THE APPLICABLE MPR(S).		
01/23 – 08/23	JIMMIE DAVIS BRIDGE (LA 511) DESIGN-BUILD: Bossier & Caddo Parishes, LA (H.001779) CADD Drafter processing field data for GPS control surveys, topographic surveys, and property surveys, QL A, B, C & D subsurface utility designating/ locating, and calculating right-of-way maps for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.		
08/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 05, 08, & 58 (4400019337): CADD Drafter processing field data for property surveys, topographic surveys, HDS 3D Terrestrial Laser Scanning, QL C & D subsurface utility services, and calculating right-of-way maps for 34 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to BKI.		
04/21 – 08/23	LADOTD RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, DISTRICTS 02, 03, 07, 61, & 62 (4400019338): CADD Drafter processing field data for property surveys, topographic surveys, HDS 3D Terrestrial Laser Scanning, QL C & D subsurface utility services, and calculating right-of-way maps for 21 bridge and culvert replacements as a sub-consultant to Sigma.		
04/22 – 04/23	LADOTD MONKHOUSE TO I-49: Caddo Parish, LA (4400017713) CADD Drafter processed field data for Static GPS control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and surveys in support of QL C & D subsurface utility services for interstate rehabilitation.		
04/21 – 04/21	LADOTD IDIQ CONTRACT FOR SUE SERVICES – TASK ORDERS NO. 1: East Baton Rouge, LA (4400014660) CADD Drafter processed field data for QL B subsurface utility designating and assisted with production of QL B subsurface utility engineering drawings for several additional areas around the I-10 corridor in conjunction with the on-going design-build contract.		
04/21 – 04/21	CITY OF BOSSIER, WALTER O. BIGBY CARRIAGEWAY (N. PKWY EXT.): Bossier Parish, LA (City Proj. No. 8-15) Party Chief/ CADD Drafter ran a field crew and processed data for control surveys, topographic surveys, property survey, and surveys in of QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.		
12/17 – 07/20	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5) Party Chief/ CADD Drafter ran a field crew and processed data for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating and assisted with production of QL B subsurface utility engineering drawings for approximately 13 miles of roadway.		
06/18 – 10/18	LADOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Party Chief/ CADD Drafter ran a field crew for topographic surveys and surveys in support of Quality Level B, C, and D subsurface utility designating and assisted with production of QL B subsurface utility engineering drawings for approximately 2 miles.		
07/16 – 03/17	LADOTD BAYOU FOUNTAIN, ROUTE LA 327 SPUR (GARDERE LANE): East Baton Rouge Parish, LA (4400006527 & H.002337.5) Party Chief/ CADD Drafter ran a field crew and processed data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.		





FIRM EMPLOYED BY A P S Engineering and Testing, LLC			
NAME	Sergio Aviles, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	11
TITLE	President	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	10
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2001 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		33571 / Louisiana / 03-31-2024	
YEAR REGISTERED	2007	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Geotechnical Project Manager/Design Guidance/Field Crew And Lab Management	
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).		
09/19–Present	PROJECT NO. H.001352 AND H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical Designers for the project. Mr. Aviles is the Project Manager for the Project Design team.		
09/19–Present	PROJECT NO. H.004100: I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. Along with this drilling and sampling, A P S will also test for strength and engineering characteristics of the soils with total of eight (8) over the water borings and 44 land borings with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles is the Project Manager to the Geotechnical Investigations.		
12/19–3/20	PROJECT NO. H.010155: US 90 Railroad Overpass SE of LA 85- A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Mr. Aviles was the Project Manager for the Project Design team.		
03/19–05/19	PROJECT NO. H.001344: US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Aviles was the Project Manager for the Project Design team.		
08/16–10/19	PROJECT NO. H.012422: I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Aviles was the Project Manager to the Geotechnical Investigations.		
11/17–2/18	PROJECT NO. H.013193: US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S tested for strength and engineering characteristics of the soils. Mr. Aviles was the Project Manager to the Geotechnical Investigations and Analysis assigned for roads and bridges.		
07/14–08/14	PROJECT NO. 700-51-0110: US 90 elevated portion for the future I-49 corridor- A P S performed all the preliminary drilling, testing, and CPTs for US 90 and Highway 318 Intersection. A total of 46 borings and 11 CPTs along with all the testing required by LADOTD was completed. Mr. Aviles was the Project Manager to the Geotechnical Investigations and Analysis assigned for roads and bridges design.		
	The following list consists of projects that Mr. Aviles did the design or assisted on the design while at LADOTD. These projects include pile design, slope stability, settlement analysis, and construction services (PDA, CAPWAP, and WEAP). ONSYSTEM PROJECTS LIST: Mr. Aviles served as the staff geotechnical engineer while at the Pavement and Geotechnical Section for the following projects below. Projects include Embank Design, Pile Design, Drilled Shaft Design, MSE Wall Design, and Construction Supervision. Major project costs estimated over one million dollars: 015-04-0037 LA524-LA123 Route US165, 015-05-0035 LaSalle, 015-07-0044 (Route 165 Cadwell, 276-03-0016 Tangipahoa River Bridge, 3132 Innerloop 427-01-0029, 362-01-0009 Rat Bois, 452-01-0039 I-55 CrossOvers, 742-07- 0098 Susek Drive, Bayou Perrie and Sand Beach Bayou 103-01-0025, Broadway Ave.700-40-0127, Cameron Route La. 27 193-02-0042, Causeway Boulevard interchange Route I-10 450-15-0098, Clayton-Greenville 026-03-0025, Crescent City Connection 283-08-0143(46), Cross Bayou Bridge 090-01-0020, Flannery at Florida 742-17-0008.		

FIRM EMPLOYED BY		A P S Engineering and Testing, LLC	
NAME	Sairam Eddanapudi, M.E., P.E.	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	11
TITLE	Chief Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	9
DEGREE(S) / YEARS / SPECIALIZATION	ME/2002/Civil Engineering; BE/1999/Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	35129 / Louisiana / 03-31-2024		
YEAR REGISTERED	2008	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: Laboratory QA Manager/Design 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).		
11/19–Present	PROJECT NO. H.001352 AND H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Sai is the Senior Design Engineer for the project design team.		
09/19–Present	PROJECT NO. H.004100: I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling, A P S will also test for strength and engineering characteristics of the soils with a total of eight (8) over the water borings and 44 land borings with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai is the project QA to the Geotechnical Investigations.		
03/19–05/19	PROJECT NO. H.001344: US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Sai was the Senior Design Engineer for the project design team.		
08/16–10/19	PROJECT NO. H.012422: I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Sai was QA to the Geotechnical Investigations.		
11/17–2/18	PROJECT NO. H.013193: US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S tested for strength and engineering characteristics of the soils. Mr. Sai was QA to the Geotechnical Investigations.		

FIRM EMPLOYED BY		A P S Engineering and Testing, LLC	
NAME	Surendra Pathak, P.E.	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	9
TITLE	Staff Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	10
DEGREE(S) / YEARS / SPECIALIZATION		MSCE/2013/Civil Engineering; BE/2007/Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		43487 / Louisiana / 09-30-2025	
YEAR REGISTERED	2019	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Staff Engineer-Review Field Logs, Lab Data, And Design 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).		
11/19–Present	PROJECT NO. H.001352 AND H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Surendra is a Design Engineer for the project design team.		
09/19–Present	PROJECT NO. H.004100: I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling A P S will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Surendra is a staff engineer to the Geotechnical Investigations.		
03/19–05/19	PROJECT NO. H.001344: US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Surendra was a Design Engineer for the project design team.		
08/16–10/19	PROJECT NO. H.012422: I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Surendra was a staff engineer to the Geotechnical Investigations.		
11/17–2/18	PROJECT NO. H.013193: US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S tested for strength and engineering characteristics of the soils. Mr. Surendra was a staff engineer to the Geotechnical Investigations.		

FIRM EMPLOYED BY G.E.C., Inc.			
NAME	Brian Buckel, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	10
TITLE	Senior Vice President	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 / 09-30-2023	
YEAR REGISTERED	1985	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Construction, Constructability Review	
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 as Senior Vice President of Construction after 31 years of service with LADOTD, where he served as Chief Construction Engineer from 2006 to 2012, managing the Construction Section as well as policy setting of construction projects including implementation for several Alternative Delivery projects. He served as Area Engineer throughout the State of Louisiana for seven years and as District Construction Engineer for seven years, managing the seven parishes under District 02 where he led the state into Superpave, warm mix, and other significant asphalt pavement innovations. Mr. Buckel's portfolio of projects at LADOTD include the most complex construction projects in Louisiana with much of his work being performed in the high density populated and traveled Greater New Orleans area. He leads GEC's Construction Division through the most complicated projects in Louisiana, managing OV for LADOTD DB projects and CEI on DBB projects for major highway and interstate projects, urban and rural, with complex sequence of construction and constructability. He has the following certifications: ATSSA TCT/TCS, ATSSA Flagger</i></p>		
09/19-Present	<p>LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA. Construction Inspection - GEC designed roadway improvements and a shared use path along Airline Highway that would connect to Main St. in accordance with the LADOTD Roadway Design Procedures and Details Manual. GEC's design improves accessibility and mobility and provides curb bump outs to reduce the crosswalk distances. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Mr. Buckel oversees the inspection staff for the project which is under construction.</p>		
05/17-Present	<p>H.003014 / I-10, LA 347 TO ATCHAFALAYA FLOODWAY BRIDGE ROUTE: St Martin Parish, LA. Principal-in-Charge - Mr. Buckel served as Project Engineer until October 2018 and is currently Principal-in-Charge of this project in District 03 which includes 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 will also be installed. Post construction, eastbound I-10 will be striped with two 12-foot travel lanes, a 12-foot outside shoulder, and a 6-foot inside shoulder. The westbound pavement will be 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 will also be installed in portions of the project corridor. Openings in the barrier would be located at the LA 347 interchange, the Bayou Portage bridge crossing, in forested areas of the median, and at approved median crossings.</p>		
09/20-06/21	<p>I-10 SERVICE ROAD BRIDGE REPLACEMENT: Slidell, Louisiana. Construction Engineer - This project included 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>		
05/15-09/21	<p>H.009479 / WEST LAROSE VERTICAL LIFT SPAN BRIDGE REHABILITATION: Larose, LA. Principal-in-Charge - Mr. Buckel provided management and oversight for the GEC Project Engineer and inspectors for the rehabilitation of the West Larose Bridge. The project included a new fender system construction, removal of the existing paint system and repainting, structural repairs and bolt replacement, and rehabilitation of the electrical and mechanical systems.</p>		
09/12-Present	<p>EAST BATON ROUGE CITY PARISH STREET AND ROAD REHABILITATION PROGRAM (DPW PROJECT NO. 15-CEST-0001): East Baton Rouge Parish, LA. Principal-in-Charge - This project began in 1990 and GEC has been the prime consulting engineer, responsible for construction inspection for all City of Baton Rouge Street Improvements since 1991. In this role, GEC provides one project engineer, one senior chief inspector, and two chief inspectors. These inspectors must be certified by LADOTD in both asphalt and concrete construction. In addition, GEC provides between 5 and 6 inspectors certified by LADOTD in Asphaltic Concrete Paving, Portland Cement Concrete Paving or Embankment and Base Course construction.</p>		

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Roland Maurin Jr., PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	8
TITLE	Construction Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	39
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 1977 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		20553 / Louisiana / 09-30-2024	
YEAR REGISTERED	1983	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Construction 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).		
	<p><i>Prior to joining GEC in 2014, Mr. Maurin was Assistant District Administrator LADOTD Operations, managing District 62 district-wide operations which included roadway, bridge, and facility maintenance, movable bridge operations, ferry landings, rest area operations, roadside development, and fleet management. He served as manager of traffic engineering, traffic operations, and bridge inspection and painting of state (on system) and local (off system) bridges. He was also district incident commander for all road/weather events, preparations, coordination with authorities, and after event activities. In addition, he served as District Maintenance Engineer LADOTD for seven years, overseeing all LADOTD maintenance activities in District 62 in Hammond, Terrebonne Parish, and Lafourche Parish. For 13 years, he served as Resident Construction Engineer, performing contract administration over all construction projects in St. John, St. Helena, and northern Tangipahoa parishes. He has the following certifications: ATSSA TCT/TCS, ATSSA Flagger</i></p>		
01/15-Present	<p>SALES TAX STREET AND ROAD REHABILITATION PROGRAM (DPW PROJECT NO. 15-CEST-0001): East Baton Rouge Parish, LA. Project Engineer - This project began in 1990 and GEC has been the prime consulting engineer, responsible for construction inspection for all City of Baton Rouge Street Improvements since 1991. In this role, GEC provides one project engineer, one senior chief inspector, and two chief inspectors. These inspectors must be certified by LADOTD in both asphalt and concrete construction. In addition, GEC provides between 5 and 6 inspectors certified by LADOTD in Asphaltic Concrete Paving, Portland Cement Concrete Paving or Embankment and Base Course construction.</p>		
05/15-09/21	<p>H.009479 / WEST LAROSE VERTICAL LIFT SPAN BRIDGE REHABILITATION: Larose, LA. Project Engineer - Mr. Maurin was the Project Engineer representing the LADOTD on the rehabilitation of the West Larose Bridge. The \$26M project included a new fender system construction, removal of the existing paint system and repainting, structural repairs and bolt replacement, and rehabilitation of the electrical and mechanical systems.</p>		
11/14-03/18	<p>H.005972 / GNOEC, 9-MILE TURNAROUND SPANS, CROSSOVER #5 WIDENING: St. Tammany and Jefferson Parishes, LA. Project Oversight - This project is the most recent to expand the Lake Pontchartrain Causeway. Mr. Maurin had project oversight of this project. Hurricane Katrina severely damaged the access ramps on the 9-Mile Turnaround. An economic study was performed and it was determined that the most prudent course of action was to widen Crossover 5 instead of rebuilding the ramps to the turnaround. This \$8.3M project constructed a platform between the Northbound and Southbound bridges that is approximately 120'x80'. The platform, constructed of AASHTO Type IV PPC Girders, was designed for full vehicle loading and the placement of a communications tower. All GNOEC and Cell Phone equipment located at the turnaround was moved to the platform.</p>		
06/16-04/18	<p>H.011217 / GNOEC – DEMOLITION OF THE 9 MILE: St. Tammany and Jefferson Parishes, LA. Construction Engineer - Mr. Maurin had project oversight and supervision over AASHTO SiteManager Approval of DWRs and final change orders, as well as compiling the final punch list for acceptance.</p>		
09/06-06/13	<p>ASSISTANT DISTRICT ADMINISTRATOR LADOTD OPERATIONS: Mr. Maurin was the manager of District 62 district-wide operations to include roadway, bridge and facility maintenance, movable bridge operations, ferry landings, rest area operations, roadside development and fleet management. Manager of traffic engineering, traffic operations and bridge inspection and painting of state (on system) and local (off system) bridges. District incident commander for all road/weather events, preparations, coordination with authorities and after events.</p>		

FIRM EMPLOYED BY		G.E.C., Inc.	
NAME	Marc Dunn, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	8
TITLE	Construction Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	4
DEGREE(S) / YEARS / SPECIALIZATION		B.S. / 2015 / Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		43705 / Louisiana / 03-31-2024	
YEAR REGISTERED	2019	DISCIPLINE	Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES		Role on this Project: Construction 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).		
	<p><i>Mr. Dunn is an Engineer assisting the Project Engineer in field operations and office work on numerous projects. He has experience on asphalt paving, catch basins, drainage, sanitary sewer, and embankment and base course projects. He also has a vast understanding of Site Manager, developing LPA project plans and understanding of DOTD specifications. Mr. Dunn has experience with collection of street condition data utilizing the PASER rating method and QuickCapture program. Certifications: ATSSA Traffic Control Supervisor Refresher, ATSSA Flagger</i></p>		
2014-2019	<p>EAST BATON ROUGE CITY PARISH STREET AND ROAD REHABILITATION PROGRAM: East Baton Rouge Parish, LA. Engineer - Mr. Dunn was an engineer assisting the Project Engineer for this project which began in 1990. Mr. Dunn provided oversight of inspectors, developed plans and quantities for upcoming projects, handled partial estimates and change orders and assisted the project engineer on project administration for the past 5 years. GEC has been the prime consulting engineer, responsible for all aspects of construction inspection for all City of Baton Rouge Street Improvements. These projects include a variety of rehabilitations jobs; PPC paving patching, asphalt patching, asphaltic concrete overlay, crack sealing and full reconstruction including soil cement. Mr. Dunn has served as Engineer on the following projects: 14-09 Winbourne Ave, 14-15 Crack Sealing, 15-01 Carrington Place, 15-02 H.010648 Acadian Thruway Project, 15-03 Santa Maria, 15-04 Magnolia Trace & Shadows of White Oak, 15-05 Brookstown, 15-06 H.010650 OLOL Project, 15-07 Old Perkins Barringer Foreman, 15-08 Woodale & Lobdell, 15-09 Pearirs Road & Comite Drive, 15-10 Crack Sealing, 15-11 PCC Partial Depth Patching, 15-12 Stumberg, 16-01 H.011364 Goodwood Blvd., 16-02 H.011363 Sherwood Blvd., 16-03 Sherwood Forest Streets, 16-04 Dalrymple, 16-05 Bluebonnet and Nicholson, 16-06 Arbor Walk, 16-07 Choctaw, Prescott and Airway, 16-09 Goodwood and Sherwood Forest, 16-10 H.011842 Chocktaw Drive Pavement Preservation. (DPW Project No. 15-CEST-0001)</p>		
05/15-Present	<p>H.009479 / WEST LAROSE VERTICAL LIFT SPAN BRIDGE REHABILITATION: Larose, LA. Engineer - Mr. Dunn is an engineer assisting the Project Engineer with the rehabilitations of the West Larose Bridge. The project includes a new fender system construction, removal of the existing paint system and repainting, structural repairs and bolt replacement, and rehabilitation of the electrical and mechanical systems.</p>		
11/16	<p>BATON ROUGE ITS DEPLOYMENT (PHASE 3): Ascension, East Baton Rouge, Iberville, Livingston, Pointe Coupee, and West Baton Rouge Parishes, LA. Engineer Intern - Mr. Dunn was the Engineer Intern assisting the Project Engineer with the Engineering and Inspection services for the Baton Rouge ITS Deployment Phase 3 Project. The project consisted of construction and integration of five (5) new DMS sites, ten (10) new CCTV sites, one (1) new hub site, thirty (30) Bluetooth Vehicle Detectors (combined with new and existing sites), and five (5) miles of new fiber optic build-out, conduit, and associated pullboxes.</p>		
07/19-Present	<p>H.011670 / I-10 LOYOLA INTERCHANGE IMPROVEMENT, DESIGN-BUILD PROJECT: Jefferson Parish, LA. Assistant Project Engineer - GEC, selected as the Owner Verification firm, is providing all necessary engineering & related services for Design-Build Construction Support Services for the administration of the Design-Build contract on behalf of LADOTD, along with managing the implementation of the Project's Construction Quality Assurance Program (CQAP). Mr. Dunn is overseeing the inspectors performing owner verification and the QC firm on the daily field operations. He assists the Project Engineer on design review meetings and field operations.</p>		

17. Firm Experience

FIRM NAME	G.E.C., Inc.			PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Road	**
PROJECT NAME	US 11 Improvements at Schneider Canal				FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	H.011435	OWNER'S NAME	St. Tammany Parish Government, LADOTD			
PROJECT LOCATION	Slidell, Louisiana	OWNER'S PROJECT MANAGER	Donna O'Dell			
OWNER'S ADDRESS, PHONE, EMAIL	21490 Koop Drive, Mandeville, LA 70471, (985) 898-2522, dsodell@stpgov.org					
SERVICES COMMENCED BY THIS FIRM (MM/YY)	03/15	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 4,900			
SERVICES COMPLETED BY THIS FIRM (MM/YY)	08/16	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 442			

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

GEC designed improvements to US Hwy 11 at its intersection with the St. Tammany Parish flood protection levee near Lake Pontchartrain. The Parish funded design of the project and LADOTD funded construction. GEC accomplished all aspects of design with its own in-house personnel, excluding geotechnical services. **GEC produced all plans and specifications for the improvements to this state route in accordance with LADOTD standards.** GEC understood the importance of this project to St. Tammany Parish and, to ensure that the Parish did not lose Federal funding, GEC submitted final stamped plans to LADOTD for advertisement with the Parish's approval before receiving a signed contract from the Parish. This project was also the first project ever designed with LADOTD specifications that included a levee. Construction of the project was completed in 2018.

Originally a two-lane rural roadway with open ditches, GEC redesigned the state route as a divided four-lane road section with 10-ft. shoulders and raised median, incorporating full-width shoulders and curb and gutter drainage. The project also elevated US 11 approximately 10-ft. at the levee so that ongoing construction of the levee (in separate projects by the Parish) could continue without a break in flood protection at the highway. Approximately 2,300-ft. of the highway remained on-grade on embankment. The project was further complicated by the presence of Schneider Canal (approximately 90-100-ft. wide) which was directly adjacent and parallel to the levee. GEC redesigned the large triple-barrel box culvert cross drain under US 11 for Schneider Canal from its original 70-ft. length to 200-ft.

The addition of the 10-ft. shoulders provides accessibility and a dedicated area for pedestrians and bicyclists while the drainage improvements reduce the risk of road flooding and water hazards for motorists. GEC's design also incorporated protected turn and merge lanes along this non-signalized section, providing improved safety for motorists. Due to the absence of traffic signals, GEC engineers were required to perform extensive calculations to ensure optimal and safe function of traffic along the roadway. Other safety modifications of the project included signage and striping improvements and intersection safety modifications. A well-planned 3-phase sequencing plan enabled maintenance of traffic throughout construction. GEC staff also performed a level 2 Transportation Management Plan (TMP).



The addition of a bike path provides accessibility and safety for pedestrians while the drainage improvements reduce the risk of road flooding and water hazards for motorists.

FIRM MEMBERS INVOLVED: Jerome Lohmann, PE

FIRM NAME	G.E.C., Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Road, Traffic, Bridge	**
PROJECT NAME	Bluebonnet Blvd. (Perkins Road to Picardy Avenue)		FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime	
PROJECT NUMBER	City-Parish Project No. 19-CP-HC-0034	OWNER'S NAME	City-Parish of East Baton Rouge		
PROJECT LOCATION	Baton Rouge, Louisiana	OWNER'S PROJECT MANAGER	Tom Stephens, PE		
OWNER'S ADDRESS, PHONE, EMAIL	PO Box 1471, Baton Rouge, LA 70821, (225) 389-3186, tstephens@brla.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/20	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 1,885		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 995		

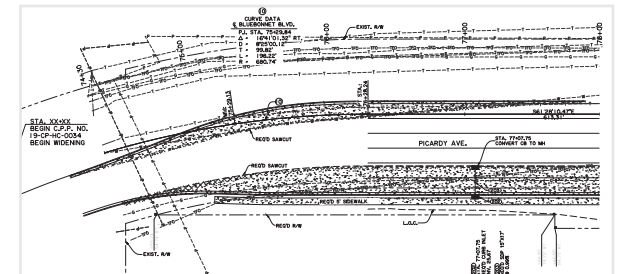
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) *If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.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

GEC completed **a design study, preliminary plans, and is currently 95% complete with the final design for the widening of Bluebonnet Blvd. from Perkins Road to Picardy Avenue and replacement of the existing bridges over Dawson Creek** in accordance with MOVEBR Design Guidelines and the LADOTD Road Design Manual.

The traffic study identified two intersection locations along the corridor that had crash rates greater than twice the statewide average, one intersection that was on LADOTD's high PSI list, and a segment that is on LADOTD's high PSI segment and overrepresented crashes for rear-end and side-swipe crashes. Three pedestrian crashes occurred during the 3-year analysis period, all at the same intersection, and the Bicycle Planning Tool showed the entire corridor having a poor bicycle LOS.

GEC's design includes widening from four-lanes to a six-lane, curb and gutter boulevard with protected turn lanes, subsurface drainage, green infrastructure, and pedestrian facilities. To improve safety for both vehicular and pedestrian traffic, GEC consolidated and removed driveways and altered parking encroachments along the corridor for improved access management principles. GEC's design includes 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. Other safety features implemented in GEC's design includes extended turn lanes, upgraded signage, signal improvements, highly visible lane markings, protected merge and turn lanes, and rumble strips. GEC staff performed a level 2 Transportation Management Plan (TMP).

GEC also provided a hydraulic analysis for the Dawson Creek Bridge replacement and a study 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. GEC recommended that the existing bridge be replaced. 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 pedestrian facilities will continue across the bridges and will feature barriers to separate pedestrians/bicyclists from vehicular traffic.** GEC is also participating in public and other agency meetings.



To improve safety for both vehicular and pedestrian traffic, GEC consolidated and removed driveways and altered parking encroachments along the corridor for improved access management principles.

FIRM MEMBERS INVOLVED: Cary Bourgeois, PE, Keith Rebello, PhD, PE, Varapasad Venkata, PE, Jerome Lohmann, PE, Chris Nipper, PE

FIRM NAME	G.E.C., Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Road, Traffic, Environmental, CE&I/OV, Survey, Geotechnical	**
PROJECT NAME	LASAFE Airline and Main Complete Streets			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	N/A	OWNER'S NAME	St. John the Baptist Parish		
PROJECT LOCATION	Laplace, Louisiana	OWNER'S PROJECT MANAGER	Rene Pastorek		
OWNER'S ADDRESS, PHONE, EMAIL	1811 W. Airline Hwy., LaPlace, Louisiana 70068, (985) 651-5565 ext. 1154, r.pastorek@stjohn-la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/19	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 1,160		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 1,160		

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

GEC provided all necessary engineering design in accordance with LADOTD standards for the Airline and Main Complete Streets project, a resilient infrastructure and community nonstructural mitigation/flood risk reduction project now under construction in LaPlace, LA. The vision for this project is to demonstrate how to plan for a future of heightened flood risk in a low-risk area by incorporating storm water management strategies into public infrastructure projects while providing residents with enhanced and safer active transportation options. This presented an opportunity to retrofit the corridor into a safer, more walkable, livable space while remaining consistent with LADOTD project guidelines. **GEC's scope of services ranged from engineering design, environmental permitting, traffic engineering, topographic survey, SUE, geotechnical investigation, water and sanitary sewer relocation, hydrologic and hydraulic analysis, landscaping services (green infrastructure), and construction management and inspection services.** GEC staff also completed a Level 2 Transportation Management Plan (TMP) for the project. The traffic study, completed by GEC, identified locations of high potential for safety improvements based upon crash data; these areas include the segment of LA 44 and five intersections. The corridor also had an abundance of driveways open for the entire frontage of the properties. There was a lack of continuous sidewalks with ADA compliance and the overall pedestrian environment was not conducive to the safe passage of bicycles and pedestrians. GEC's design included a curb and gutter corridor with 10-ft. lanes, 7.5-ft. parallel parking areas, bike lanes, multi-use paths, sidewalks and striped crosswalks. This design included 5-ft. sidewalks along both sides of LA 44 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. 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. Other safety improvements included eliminating pull-in parking, high-visibility crosswalks, pedestrian warning signs, and upgraded signage and striping. Existing ditches were reshaped to add subsurface drainage and bioswale type enhancements to reduce runoff erosion and provide a level of storm water filtration. GEC also provided design and illumination of the shared use path along LA 44 that connects to Main St. (LA 44). This includes additional illumination design for improved safety and visibility for visitors of the neighboring park, which contains educational components related to LASAFE strategies that have been incorporated into the design. Along Main St., which has been rehabbed with a mill and overlay, GEC incorporated green infrastructure solutions, including providing parallel parking utilizing decorative brick and permeable base to reduce time of concentration. GEC conducted field surveys for a wetland delineation within the project footprint and prepared a wetland delineation report that was submitted to the New Orleans Corps of Engineers to request a Preliminary Jurisdictional Determination (JD). GEC also prepared and submitted Corps of Engineers Section 404 Wetland permit application, Louisiana Department of Natural Resources Coastal Use permit application, and requested a Letter of No Objection from the Pontchartrain Levee Board for activities proposed within 1,500 feet of the Mississippi River Main Line Levee. GEC coordinated with all three agencies through the completion of each permit or request. GEC engineers calculated preliminary and final quantities and developed the final estimated construction cost. The final engineering plans and specifications have been completed in accordance with the LADOTD Roadway Design Procedures and Details Manual. Additionally, staff developed fees for all costs from surveying to construction. The project is currently under construction.

GEC designed a retrofit of the corridor into a safer, more walkable, livable space while remaining consistent with LADOTD guidelines.



FIRM MEMBERS INVOLVED: Cary Bourgeois, PE, Jerome Lohmann, PE, Christopher Nipper, PE, Tom Swanson, PE, PTOE, Brian Buckel, PE

FIRM NAME	G.E.C., Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Environmental, Road, Bridge, Traffic, Other (Electrical) **	
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, Louisiana	OWNER'S PROJECT MANAGER	Timothy Nickel		
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1110, Timothy.nickel@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/12	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.) *If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

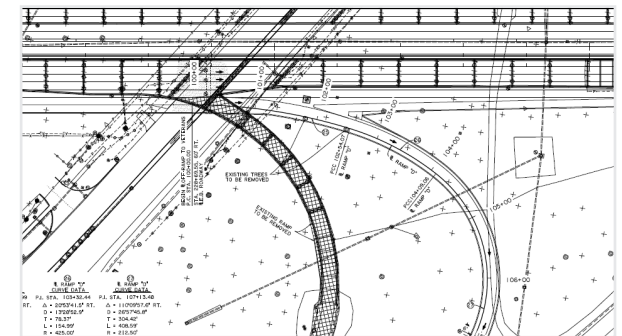
GEC is currently **designing the roadway widening, new bridges, and interchanges** of I-10 between Williams Boulevard and Veterans Boulevard in Jefferson Parish. Final design plans are over 95% complete. The total project length is 2.58 miles and consists of the construction of one 12' additional lane 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. This project included a level 2 Transportation Management Plan (TMP).

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. **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 95% 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 Bridge Design Technical Memorandum 40.1.

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. In addition, GEC's structural staff is replacing the existing cantilever truss with a full truss and relocating an existing sign.

GEC recently finalized final bridge plans and is currently completing final plans for this highly congested urban freeway with 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.



FIRM MEMBERS INVOLVED: Cary Bourgeois, PE, Keith Rebello, PhD, PE, Varaprasad Venkata, PE, Jerome Lohmann, PE, Christopher Nipper, PE, Logan Michel, PE

FIRM NAME	G.E.C., Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Road	**
PROJECT NAME	Sharp Rd.		FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime	
PROJECT NUMBER	N/A	OWNER'S NAME	St. Tammany Parish Government		
PROJECT LOCATION	Mandeville, Louisiana		OWNER'S PROJECT MANAGER	Christopher Coervers	
OWNER'S ADDRESS, PHONE, EMAIL	21454 Koop Dr., Mandeville LA, 70471, (985) 898-2552, cjcorvers@stp.gov.org				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	11/21	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$ 569		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Present	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$ 385		

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

GEC is providing **preliminary and final construction plans in accordance with AASHTO Standards and the LADOTD Road Design Manual** for improvements to Sharp Road in Mandeville, LA. Sharp Road is currently a narrow two-lane roadway with steep open ditches and no shoulders or pedestrian facilities. The purpose of the project is to improve safety for this heavily trafficked roadway by improving pavement conditions, drainage, providing a safe place for pedestrians and bicyclists.

GEC's scope includes developing preliminary and final plans to produce bid documents and construction engineering and inspection services for roadway improvements, subsurface drainage installation, sidewalk construction, and adhering to the requirements of the LADOTD Transportation Alternatives Program (TAP) grant funding. The improved design along the approximate 2.5-mile road section includes the addition of sidewalks and subsurface drainage along the north side of the roadway for safer pedestrian access and improved ditches on the south side of the roadway (widening and safer side slopes) for reduced ponding along the roadway and safety. Studies show that flattening side slope of ditches and installing subsurface drainage reduces both the number and severity of collisions when compared to sections with steeper side slopes and no subsurface drainage (FHWA Roadside Improvements, 2017). The sidewalks are being funded under the TAP program, which is a federally funded program with a goal of building a more balanced transportation system that includes pedestrians and bicyclists as well as the motoring public. The pedestrian features include the addition of a 5-to-7-ft. sidewalk along the north side of the roadway with associated subsurface drainage, pedestrian crossings, ADA-accessible ramps, signage, striping, and rumble strips. This will provide a safe route for pedestrians and bicyclists to access neighborhoods and surrounding key destinations. GEC's design also includes standard safety features, including rumble strips, visible lane markings, shoulder wedge, and guardrails.

GEC is also providing the hydraulic design in accordance with the current edition of the LADOTD Hydraulics Manual. GEC Environmental staff performed an analysis on potential environmental constraints to identify any major community issues impacted by the project during construction and operational phases of the project. GEC is providing all permitting services, including Wetland permits (404 and Nationwide) and Section 10 permits from USACE and Scenic Rivers permit (as applicable). Other GEC services include project status reports, pre-bid and preconstruction meetings, and submission of design schedule.

GEC is currently providing construction engineering inspection services for a portion of the project that began construction in June 2023, while working towards completion of 90% preliminary plans for the remaining portion of Sharp Road.

Firm Members Involved: Cary Bourgeois, PE, Jerome Lohmann, PE, Christopher Nipper, PE

GEC completed preliminary and final plans for a portion of this project in 6 months to widen a narrow rural roadway in Mandeville and reduce the number of roadway departure crashes.



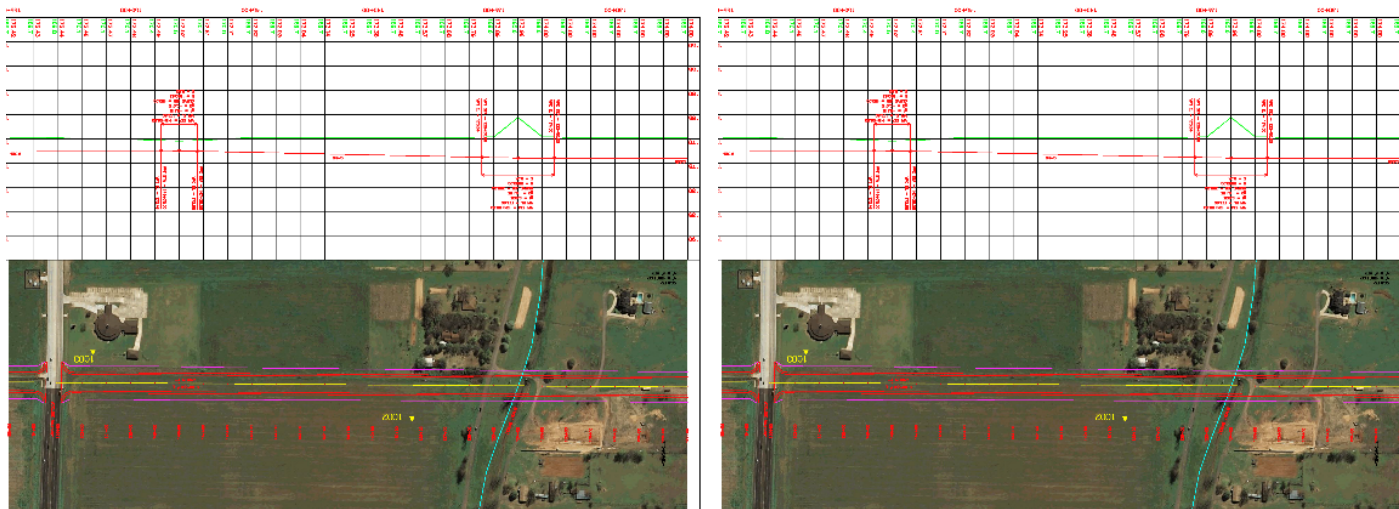
FIRM NAME	NTB Associates, Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Survey	**
PROJECT NAME	Winfield Road Extension, East/West (LA 3 to Airline Dive)			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	DEC 15-11-03	OWNER'S NAME	Bossier Parish Police Jury/ Denmon Engineering (now Volkert)		
PROJECT LOCATION	Bossier Parish, LA	OWNER'S PROJECT MANAGER	Mr. Randy Denmon, PE, PLS		
OWNER'S ADDRESS, PHONE, EMAIL	114 Venable Lane, Monroe, LA 71203 (318) 388-1422 randy.denmon@volkert.com				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	11/15	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$82.9		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	05/17	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$82.9		

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

This Bossier Parish Roadway Design Project was the first mile of the exact same route as advertised for this LaDOTD advertisement. It began at LA Hwy 3 (Benton Road) and went eastward 5,600 feet to a point just east of LA Hwy 3105 (Airline Road) Included in this survey was 1,000 feet of LA 3 and 1,000 feet of Airline Drive. The project was placed on hold in 2016. As a subcontractor to Denmon Engineering (now Volkert), NTBA completed all surveying tasks: control surveys, topographic surveys, and property surveys. NTBA also located all utilities and produced a drainage map as well as a preliminary right-of-way map for the Bossier Parish Policed Jury to acquire the right-of way from.

For control surveys, NTBA established horizontal and vertical control based on GPS observations tied to the Bossier Parish Control Monument network, densified control throughout the project, and ran digital levels through all points. For topographic surveys, NTBA performed a topographic survey 200 feet wide for the length of the route. A Digital Terrain Model (DTM) was produced from that survey in .DGN format. All utilities were Quality Level D (QLD) located from existing records and a Louisiana One Call. For property surveys, title take-offs were attained for all properties adjacent to the route. A search file was created for field crews to look for corners.

From that map, the property survey was produced, and a file with property lines was transmitted to Denmon. The drainage map produced by NTBA included all drainage structures within one half mile of the project. In addition to all structures, the drainage map depicted the ridge lines, flow arrows, drainage areas, buildings, roads, etc. A preliminary draft of a right-of-way map was submitted to the Parish, but the project was put on hold prior to its completion. All services completed in accordance with the Location and Survey Manual, and all currently accepted Location and Survey Automated procedures.



Firm Members Involved: Paul Rossini

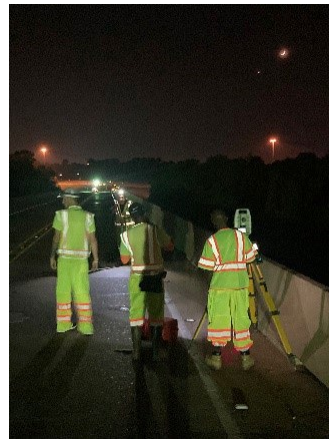


FIRM NAME	NTB Associates, Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Survey, Other (SUE), Right-of-Way	**
PROJECT NAME	Jimmie Davis Bridge (LA 511) Design-Build			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.001779	OWNER'S NAME	LaDOTD Baton Rouge/ James Construction/ Huval & Associates, Inc.		
PROJECT LOCATION	Bossier & Caddo Parishes, Louisiana		OWNER'S PROJECT MANAGER	Mr. Aaron Dupont	
OWNER'S ADDRESS, PHONE, EMAIL	18484 E. Petroleum Drive, Baton Rouge, LA 70809 (225) 442-6362 adupont@prim.com				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$1,140		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	On-going	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$1,140		

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

NTBA is performing static GPS control, topographic and property surveying services, title takeoffs, title research reports, ROW mapping, traffic control, utility coordination services, QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River. The scope of this project consists of constructing a new four lane structure carrying LA 511 across the Red River, repurposing the existing Jimmie Davis Bridge as a Linear Park to provide bicycle and pedestrian facilities, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of bridge; as well as providing full access interchanges between LA 511 and Clyde Fant Memorial Parkway and Arthur Ray Teague Parkway. NTBA designed and implemented a Traffic Control Plan for the project's bridge closure which was completed during night shifts to ensure safety and avoid travel disruptions.

NTBA verified the horizontal and vertical control set by LaDOTD during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. For property surveys, title take-offs were attained for all properties adjacent to the route and a property survey submittal prepared with apparent ROW shown. Title Reports are also being prepared by our subconsultant for the known areas of taking. Right-of Way maps will be prepared once the final alignment is established so the takings can be confirmed. NTBA is identifying all utilities in conflict with the construction and coordinating any required utility adjustments with the utility owner. NTBA is utilizing the Louisiana Department of Transportation Survey and Design guidelines as well as CI/ASCE Standard 38-02.



Firm Members Involved: Paul Rossini, Amy Schulze, Adam King, Belton Davis



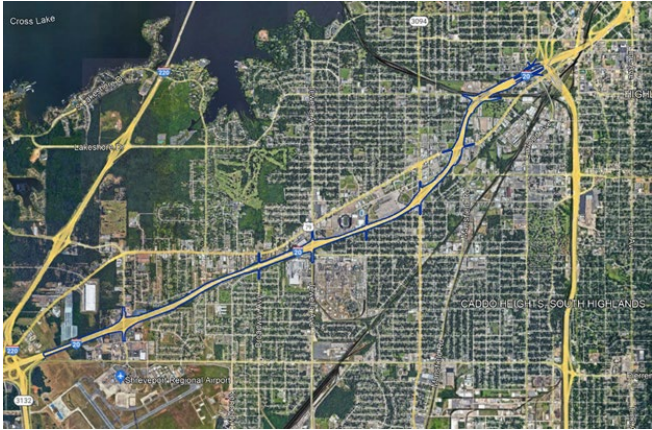
FIRM NAME		NTB Associates, Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*		**Survey & Other (SUE)		**	
PROJECT NAME		I-20: Monkhouse to I-49, Route I-20				FIRM RESPONSIBILITY (PRIME OR SUB?)		Prime	
PROJECT NUMBER		4400017713/ H.010468.5		OWNER'S NAME		LaDOTD Baton Rouge			
PROJECT LOCATION		Caddo Parish, Louisiana		OWNER'S PROJECT MANAGER		Mr. Barrett Smith, PLS			
OWNER'S ADDRESS, PHONE, EMAIL		1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 barrett.smith@la.gov							
SERVICES COMMENCED BY THIS FIRM (MM/YY)		04/22		TOTAL CONSULTANT CONTRACT COST (\$1,000'S)				\$1,355	
SERVICES COMPLETED BY THIS FIRM (MM/YY)		04/23		COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)				\$1,355	

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

NTBA performed Static GPS Control, topographic surveying services utilizing RTK and conventional surveying and HDS 3D Terrestrial Laser Scanning, Traffic Control, and QL C & D subsurface utility investigation for interstate rehabilitation. NTBA also prepared a drainage map. This project was one of the largest topographic surveys NTBA has ever been a part of. It consisted of 4.89 miles of interstate, 2.35 miles of side streets, and a drainage area of approximately 990 acres. Surveys and utility investigations were performed along I-20 beginning approximately 4,200 ft. southwest of the intersection of Monkhouse Dr. and I-20 and proceed in a northeasterly direction along I-20 ending at the westerly end of the I-20/I-49 interchange. Areas included Monkhouse Drive, Jewella Avenue, Hearne Avenue, Greenwood Road, Texas Avenue, and Lakeshore Drive.

NTBA managed our sub-consultant, E.S.P. Associates, P.A., for Mobile Laser Scanning Services of hard surfaces along the route. NTBA performed data extraction of mobile scan data for incorporation into Inroads and for Point Cloud delivery. LaDOTD's project schedule had an allowable duration of 365 days, but NTBA completed in 359 days with one minor comment. This effort took 3,999 field crew hours, 3,448 CADD hours, and 2,250 PLS hours. There were over 70,000 points for the topographic survey and over 1,500 drainage structures surveyed for the drainage map. The areas included major thoroughfares, surface streets, railroad rights-of-way, and drainage canals. MicroStation files were the deliverable for the project. All services completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.

Firm Members Involved: Paul Rossini, Amy Schulze, Adam King, Belton Davis



FIRM NAME	A P S Engineering and Testing, LLC		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Geotech	**
PROJECT NAME	I-10 Widening LA 415 to Essen LN			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.004100	OWNER'S NAME	DOTD		
PROJECT LOCATION	Baton Rouge, Louisiana		OWNER'S PROJECT MANAGER	Kristy Smith, P.E.	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Rd., Baton Rouge, LA. 70802-4438, (225) 379-1016, Kristy.Smith2@LA.GOV				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/19	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)			N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	On-going	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)			\$ 400

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

Geotechnical investigation to provide client with the necessary information for planning and design of I-10 Widening, APS was tasked through our DOTD Geotechnical Retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. Along with this drilling and sampling, APS will also test for strength and engineering characteristics of the soils. A total of eight over the water borings and 44 land borings with approximately 1000 triaxial compression, unconsolidated drained or undrained (UU) and atterberg limits performed.

Firm Members Involved: Sergio Aviles, Sai Eddanapudi, Surendra Raj Pathak

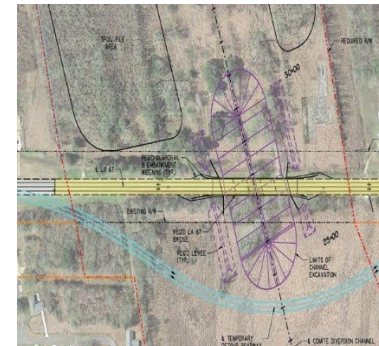
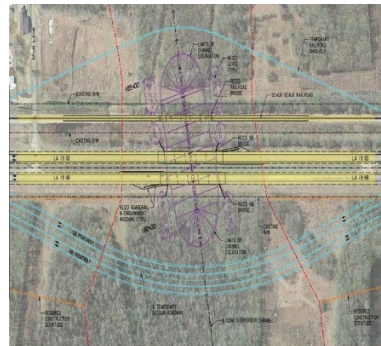


FIRM NAME	A P S Engineering and Testing, LLC		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Geotech	**
PROJECT NAME	Comite River Diversion Bridge at LA-67, LA-19 AND LA-19 Railroad Bridge			FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub
PROJECT NUMBER	H.001352 and H.002273	OWNER'S NAME	Huval & Associates, Inc.		
PROJECT LOCATION	East Baton Rouge, Louisiana	OWNER'S PROJECT MANAGER	Thomas M. Gattles, III, P.E.		
OWNER'S ADDRESS, PHONE, EMAIL	922 West Pont des Mouton Road, Lafayette, LA 70507, Wk: (337) 234-3798 Fax: (337) 234-2475, tgattle@huvalassoc.com				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	05/20	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	N/A		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	On-going	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$150K		

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

Geotechnical engineering to provide client with the necessary information for planning and building of LA 19 RR Bridge Slope Stability (Embankment), LA 19 RR Bridge Embankment / MSE Wall Settlement / Retaining Wall, LA 19 Twin Bridges – PPC Piles, LA 67 Bridge – Drilled Shafts. All the necessary design will be performed by APS. Task order issued as of today. APS drilled and sampled all the borings for DOTD thru the Geotechnical Retainer and testing was performed in house by APS laboratory.

Firm Members Involved: Sergio Aviles, Sai Eddanapudi, Surendra Raj Pathak

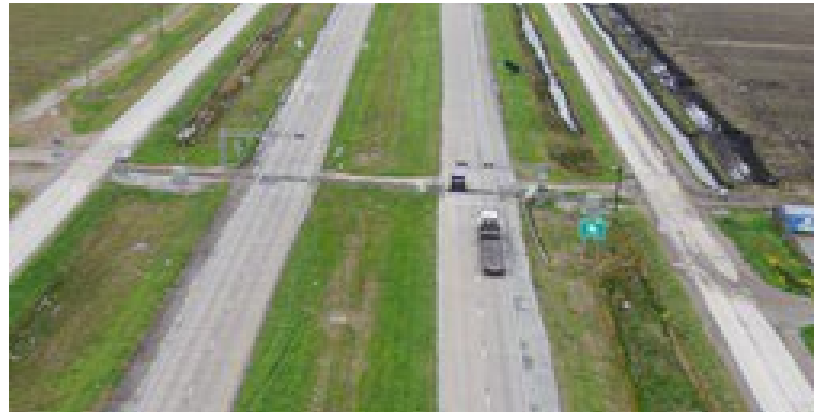
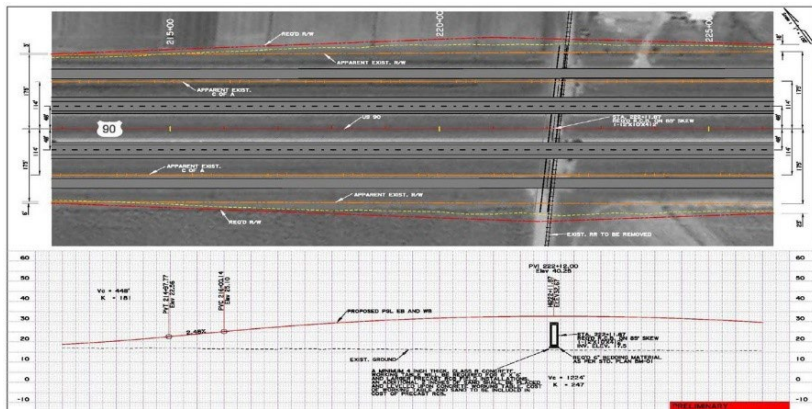


FIRM NAME	A P S Engineering and Testing, LLC		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Geotech	**
PROJECT NAME	US-90 Railroad Overpass (S. East of LA-85)		FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub	
PROJECT NUMBER	H.010155	OWNER'S NAME	Shread-Kurykendall & Associates, Inc		
PROJECT LOCATION	Iberia Parish, Louisiana	OWNER'S PROJECT MANAGER	Nicci D. Gill		
OWNER'S ADDRESS, PHONE, EMAIL	13016 Justice Ave., Baton Rouge, LA 70816, (225) 296-1335, (225) 296-1338 (fax), ngill@skaenger.com				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	11/19	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	N/A		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	03/20	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$105K		

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

Geotechnical investigation to provide client with the necessary information for planning and design of a 12 ft x 10 f RCB, 412 ft in length. A total of six deep borings were completed by APS. Over 60 atterbergs and UUs were tested by APS with 18 consolidation tests. All the necessary testing was performed in house by APS laboratory.

Firm Members Involved: Sergio Aviles, Sai Eddanapudi, Surendra Raj Pathak



FIRM NAME	Volkert, Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Survey	**
PROJECT NAME	Surveying and Engineering Services, Bossier Parish East\West (La. 3 To Airline Highway) Winfield Road Extension			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	N/A	OWNER'S NAME	Bossier Parish Police Jury		
PROJECT LOCATION	Bossier Parish, LA		OWNER'S PROJECT MANAGER	Eric Hudson	
OWNER'S ADDRESS, PHONE, EMAIL	P.O. Box 70, Benton, LA 71005 (ehudson@bossierparishla.gov)				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	12/15	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$232.6		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	09/17	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$232.6		

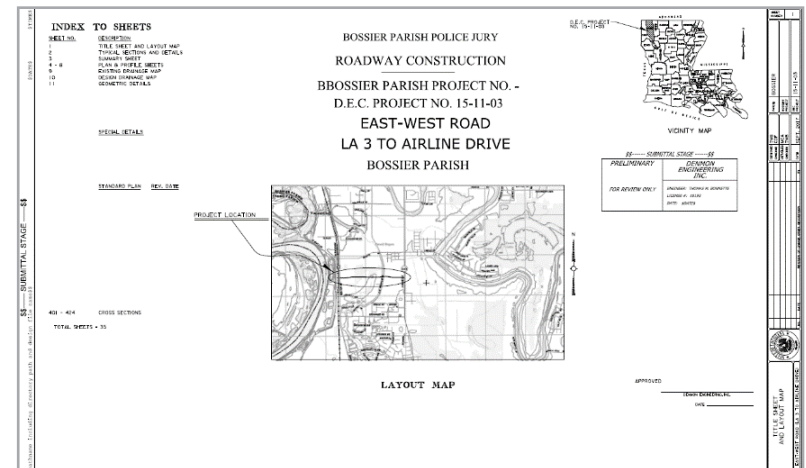
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) *If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.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

The project shall consist of providing all necessary administration, planning, engineering, and land surveying required for developing the Project to construct a new roadway from Benton Road to Airline Drive along alignment selected by Environmental Study accomplished by Bossier Parish Police Jury. The services for this project were divided into seven (7) phases, which Volkert was responsible for, as follows:

- Phase I - Topographic Surveys & Drainage Map
- Phase II - ROW Surveys & Maps
- Phase III - Preliminary Plans sufficient to establish ROW
- Phase IV - Finalize Preliminary Plans
- Phase V - Final Plans
- Phase VI - Bid & Award
- Phase VII - Construction Supervision

Work included Topographic Surveys, ROW Surveys & Maps and Preliminary Plans sufficient to set ROW for a new roadway from Benton Road to Airline Drive following the alignment established in the East/West Alignment Study. This new roadway is approximately 5,300 feet in length. **This work constitutes a portion of the current advertisement for Bossier Congestion Relief Winfield Road.**

Firm Members Involved: Randy Denmon, Chris Patrick, Steven Lengefeld, Benny Fox, Bryan Ardoin



FIRM NAME	Volkert, Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	CEI/OV	**
PROJECT NAME	North-South Corridor		FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime	
PROJECT NUMBER	N/A	OWNER'S NAME	Bossier Parish Police Jury		
PROJECT LOCATION	Bossier Parish, LA	OWNER'S PROJECT MANAGER	Eric Hudson		
OWNER'S ADDRESS, PHONE, EMAIL	P.O. Box 70, Benton, LA 71005 (ehudson@bossierparishla.gov)				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$355,000		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	09/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$355,000		

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

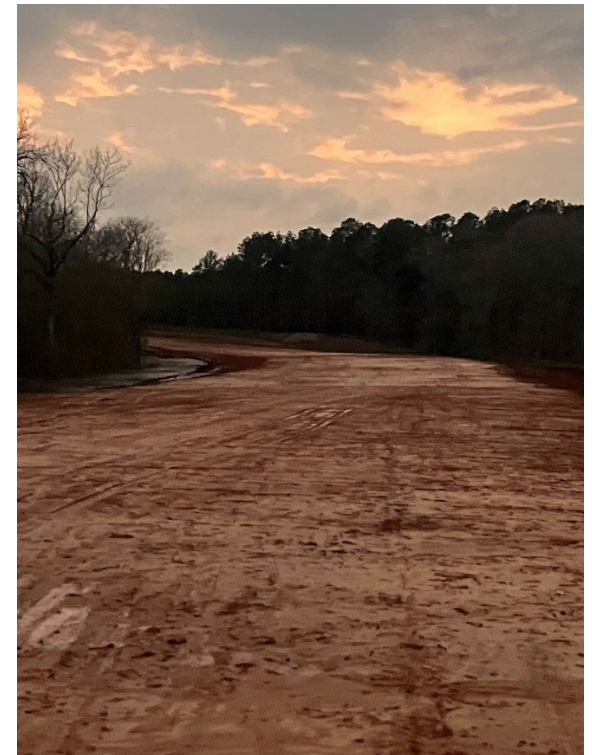
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- Phase III - Preliminary Plans sufficient to establish ROW
- Phase IV - Finalize Preliminary Plans
- Phase V - Final Plans
- Phase VI - Bid & Award
- Phase VII - Construction Supervision

Volkert was responsible for the construction management of subconsultants and inspectors and testing laboratories for the construction of the North/South corridor. This project was for the construction of a \$21 M road project.

Volkert was responsible for the successful construction of this project by overseeing the contractor, inspectors, and testing services for all key aspects of this project.

Firm Members Involved: Chris Patrick



FIRM NAME	Volkert, Inc.		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	Road/Traffic/Survey	**
PROJECT NAME	Sligo Rd. Extension Imp.			FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	N/A	OWNER'S NAME	Bossier Parish Police Jury		
PROJECT LOCATION	Bossier Parish, LA	OWNER'S PROJECT MANAGER	Eric Hudson		
OWNER'S ADDRESS, PHONE, EMAIL	P.O. Box 70, Benton, LA 71005 (ehudson@bossierparishla.gov)				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/23	TOTAL CONSULTANT CONTRACT COST (\$1,000'S)	\$159,397		
SERVICES COMPLETED BY THIS FIRM (MM/YY)	N/A	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000'S)	\$159,397		

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

Volkert has been involved in several projects for the Sligo Road Extension. Currently under contract is Phase II which is from Sligo Road to HWY 527 and Phase III Hwy 527 to Hwy 154. Services include Surveying, as needed, Alignment Studies, Environmental Analysis and Permitting,

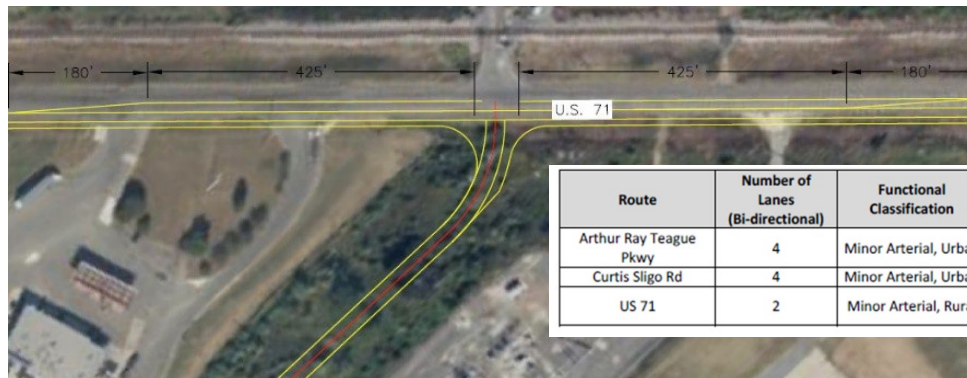
Based on existing GIS data and Property Ownership maps, Volkert identified a minimum of two preliminary alignments for the extension of Arthur Ray Teague Parkway south from Sligo Road to Hwy 527. Volkert also developed typical sections for both alignments. All work was in accordance with LADOTD design procedures. Traffic Study was completed and submitted in June of 2023 and recommendations included:

- Southbound Left turn Lane at Arthur Ray Teague Pkwy at Curtis Sligo Rd
 - Approximate Transition Length for Asymmetrical Shift = 430'
 - Deceleration Length = 335'
 - Storage Length = 100' minimum
- Northbound Left turn Lane at US 71 at Caplis Sligo Rd
 - Taper length = 180'
 - Deceleration Length = 505'
 - Storage Length = 100' minimum
- Northbound Right turn Lane at US 71 at Caplis Sligo Rd
 - Taper length = 180'
 - Deceleration Length = 505'
 - Storage Length = 100' minimum
- Southbound Left turn Lane at US 71 at Caplis Sligo Rd
 - Taper length = 180'
 - Deceleration Length = 505'
 - Storage Length = 100' minimum

- Northbound Left turn Lane at US 71 at Mercer Rd/new connection
 - Taper length = 180'
 - Deceleration Length = 505'
 - Storage Length = 100' minimum

Access management should be considered for the southern driveway of the existing Exxon gas station. This driveway should be relocated to the new connection on Caplis Sligo Rd to Arthur Ray Teague Pkwy rather than directly accessing US 71. This change would provide the gas station with direct access to the new roadway while removing conflict points along US 71. Once the two alignments have been approved a Detailed Environmental Analysis of a 500' corridor centered on the alternate routes will be performed. Detailed Environmental Analysis will include a detailed wetland delineation and USACE Jurisdiction Determination of Wetlands, cultural resource assessment, and wildlife assessment. Detailed Environmental Analysis will only be performed on the Alternatives from Sligo Road to HWY 527.

Upon completion of the environmental assessment, Volkert will perform preliminary line and grade engineering and quantity calculations to produce cost estimates for both alternatives.



Route	Number of Lanes (Bi-directional)	Functional Classification	Posted Speed Limit	ADT (veh/day)
Arthur Ray Teague Pkwy	4	Minor Arterial, Urban	45 mph	3,249 (SB)
Curtis Sligo Rd	4	Minor Arterial, Urban	55 mph	3,166 (EB)
US 71	2	Minor Arterial, Rural	55 mph	7,480 (NB&SB)

Firm Members Involved: Chris Patrick

18. Approach and Methodology

Entity Contract for Cong Relief Winfield Road

Summary of Experience

G.E.C., Inc. (GEC) is pleased to present LADOTD with a strategically selected, experienced team of recognized experts in each of the elements of work (surveying, geotechnical engineering, and roadway and bridge design services) required to complete the East-West Corridor Winfield Road Extension Project in Bossier Parish, Louisiana. **The GEC Team will provide all required services, resulting in a quality and successful project to advance to construction completion.**

GEC, in collaboration with Volkert, NTB Associates (NTBA), and APS, a DBE firm, offer a comprehensive range of services to fulfill the requirements of this contract.

Scope Understanding

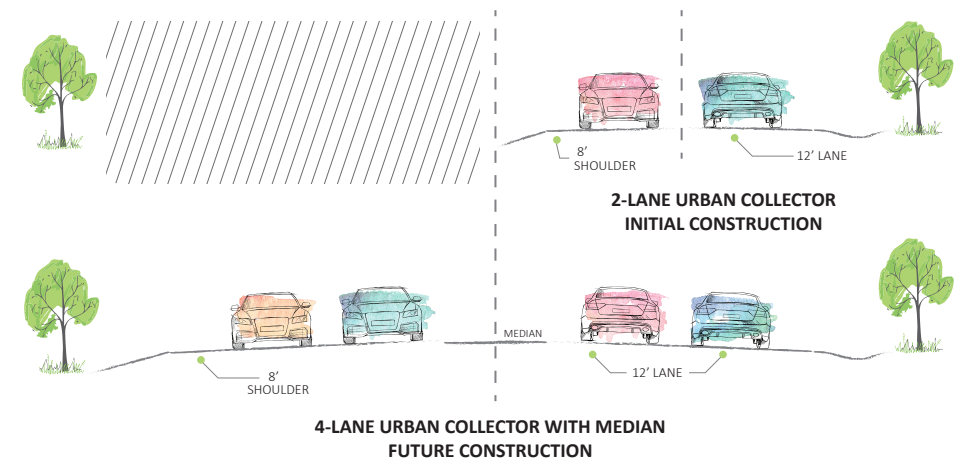
The GEC Team has gained a comprehensive understanding of the Winfield Extension Project's scope of work, encompassing the development of a new two-lane roadway and bridges. This roadway will extend from Benton Road (LA 3) to a point situated one mile east of the Swan Lake Road intersection. The envisioned roadway will consist of two 12-ft. lanes, accompanied by 8-ft. shoulders (Figure 1). Importantly, the right-of-way (ROW) clearance will be designed to accommodate future expansion into a four-lane divided highway, including the incorporation of two bridges. **While the primary focus is the design of the initial two-lane configuration, the GEC Team recognizes the importance of ensuring adequate ROW clearance for potential future widening.**

Depending on the width of the required ROW for the 4-lane divided highway, GEC will explore designing an off-center 2-lane roadway so that future widening to a 4-lane divided roadway could occur adjacent to the initially designed 2-lane roadway. **This solution will allow for continued access throughout later project phases, resulting in minimal disruption to motorists.**

The project alignment traverses diverse terrains, including residential zones, farmland, undeveloped areas, and water bodies, signifying its impact on the local landscape. The project is within an area marked by significant population growth, evidenced by ongoing residential and commercial development, as well as the construction of new nearby schools. This project encompasses Phases 1, 2, and 3 of the East-West Corridor. The current NLCOG Metropolitan Transportation Plan (2045) designates Phase 1 as the highest priority for capacity expansion in the current implementation stage. Phases 2 and 3 are ranked 8th and 9th, respectively, in the long-term stage. By establishing a new access corridor to connecting highways, the project seeks to enhance commuter convenience and safety, reduce travel times, and alleviate traffic congestion on parallel routes such as I-220 and LA 162. This strategic dispersion of traffic is poised to alleviate driver frustration while substantially curbing congestion.

GEC sub Volkert recently acquired Denmon Engineering and has in-depth knowledge of and experience with this project, dating back to the early conceptual stage. They

Figure 1. GEC Typical Sections



were involved in securing project funding and will provide local presence for the team.

Drawing upon intimate familiarity with the Environmental Assessment (EA) document and experience with similar projects, the GEC Team is poised to execute the necessary services with adeptness, drawing upon insights from previous projects to address potential challenges. In alignment with LADOTD's project development sequence, the GEC Team will complete all tasks associated with each mandatory submittal, delivering comprehensive engineering services to fulfill LADOTD's Stage 3 requirements. The team's approach is rooted in a robust methodology, encompassing rigorous design and execution strategies.

Approach

The GEC Team implements protocols to provide effective contract management, not only as it relates to this project, but all projects GEC is contracted to complete. We will first work to gain a clear understanding of LADOTD's needs and goals through effective communication. We will maintain this communication throughout the life of the project, providing contract management that includes on schedule delivery, while maintaining the budget and managing design staff.

GEC's approach to the project aligns seamlessly with the requirements set forth by LADOTD. Leveraging our 36+ years of diversified experience in road and bridge projects, our approach is rooted in a combination of precision engineering and proactive problem-solving. Our team of skilled professional engineers, alongside dedicated support staff, employs an intricate understanding of LADOTD's guidelines and specifications and has significant experience in the design of roadways within all AASHTO highway classifications. With a proven track record of successfully completing similar projects along corridors ranging from local roadways to major highways, we will approach the design of this new roadway with attention to detail. Utilizing this collaborative and transparent approach, the project will be executed in accordance with LADOTD standards while identifying and mitigating potential challenges that may arise during the design process. Through this approach, GEC will deliver the project on time and within budget.

GEC’s Project Manager, Jerome Lohmann, PE, has dedicated his 39 year career to the preparation, development, and management of LADOTD and municipal roadway projects throughout Louisiana. He will serve as primary contact and will submit deliverables in adherence to the approved schedule. He has managed and designed numerous road projects to LADOTD Standards, including the LASAFE Airline (US 61) & Main St. (LA 44) project, which is nearing construction completion.

Methodology

The GEC Team understands LADOTD’s typical sequence of project development and will complete all tasks that are a part of each required submittal. GEC will provide all engineering services necessary to complete LADOTD’s Stage 3, Design: Preliminary Plans and understands that Stage 3, Design: Final Plans and Stage 5, Construction Support may be initiated by a future supplemental agreement. GEC is prepared and has the capacity and capability to provide all services to get the project to completion through Stage 6, Operation, as defined by LADOTD’s Project Development Process. The following is an overview of the methodology GEC will follow for this project.

Project Kickoff & Field Visit

Once the Notice to Proceed (NTP) is issued, GEC will hold a kickoff meeting with LADOTD staff to define the scope, determine areas of concern and establish procedures for the project. The GEC Team will perform a team site visit to assess conditions & identify constraints. Additionally, a comprehensive list of expected deliverables, organized according to submittal stages (summarized in Figure 2) will be shared with all attendees. Steps include:

1. Pre-design criteria, LADOTD Minimum Design Guidelines, QA/QC Procedures, and

project schedule will be established before the kickoff meeting and will be reviewed at the meeting.

2. Traffic data and other relevant available data will be requested and reviewed at this meeting.
3. Project points of contact, schedule, budget, invoicing procedures, & other project management tasks will be discussed and established.
4. Minutes from this meeting will be prepared and distributed to all attendees and will become a part of the official project record.

Surveying Services

Volkert will perform survey services including topographic surveys, property surveys, ROW maps, and title take-offs/work/updates and other field information necessary for the design and development of plans. Volkert will provide surveys that adhere to all modern survey theory, practice, and procedures and will follow the latest version of the LADOTD Location Survey Manual & Procedures. This includes all accepted horizontal and vertical control standards as stated in the manual. The LADOTD feature table code list and symbols shall be utilized and met with those included in the latest edition of the survey feature code guidebook produced by the LADOTD Location & Survey Section & Automation. 3D Terrestrial Scanning may be utilized in conjunction with traditional means & methods to capture topography as applicable for each site and will adhere to all LADOTD Standards as related to Terrestrial & Mobile Scanning. All property & R/W work will follow the LADOTD Addendum A, standards of operation for R/W Mapping, and current standards of practice as outlined in the laws and rules of the LAPELS Board and shall be certified to a class D survey as dictated by those laws and rules. Volkert

Figure 2. Summary of Submittal Stages

30% PRELIMINARY PLANS

- a. Field reviews, develop pre-design criteria and minimum design guidelines
- b. Topographic survey, including apparent right-of-way and traffic data
- c. Plan Sheets to include: plan and profile sheets with existing topo, establishing horizontal and vertical alignment, typical sections, title sheet

60% PRELIMINARY PLANS

- a. Revise based upon comments received in 30% Preliminary Plan review
- b. Existing and proposed hydraulics calculations and map
- c. Plan Sheets to include: plan and profile sheets including revised horizontal and vertical alignments, geometric details, cross sections, typical sections, existing and proposed drainage, utility and railroad recommendations, earthwork

computations, preliminary right-of-way taking, and sequence of construction and signing

95% PRELIMINARY PLANS (PLAN-IN-HAND)

- a. Revise based upon comments received in 60% Preliminary Plan Review
- b. A preliminary QA/QC will be performed and then a pre-plan-in-hand review will take place before the plan-in-hand is distributed
- c. Plan sheets to include: title sheet, typical sections, plan and profile, including right-of-way taking lines, existing and proposed drainage, geometric details, sequence of construction, construction signing, summary of estimated quantities, and cross sections
- d. Once the plans are distributed, a plan-in-hand meeting will be scheduled. Attendees typically include LADOTD, municipal/parish representatives, LADOTD district personnel,

and members of the design team. The GEC Team will assist in scheduling and conducting the meeting and documenting comments received.

100% PRELIMINARY PLANS

- a. Revise based upon comments received in 95% Plan-In-Hand Review
- b. Final right-of-way taking lines transmitted to location and survey
- c. Permit sketches, if needed; at this time environmental clearance may be necessary. The GEC Team has staff to provide for any required environmental tasks.
- d. Preliminary cost estimate

60% FINAL PLANS

- a. Revise based upon comments received in 100% Preliminary Plan Review
- b. Final typical sections and hydraulic design
- c. Plan sheets to include: summary sheets and tables, join layouts, graphical grades, right-of-way maps, horizontal and

vertical geometry, traffic signal design, construction notes

95% FINAL PLANS (ADVANCE CHECK PRINTS)

- a. Revise based upon comments received in 60% Final Plan Review
- b. Revise preliminary cost estimates and summary tables
- c. Final QA/QC Check, Constructability review form, Special Provisions
- d. Assemble Plans and perform pre-advance check prints review (90% Final)

98% FINAL/100% FINAL PLANS

- a. Advance check print comments addressed, revise plans and cost estimates as necessary
- b. Develop final cost estimate, specifications, and any necessary special provisions
- c. Other items may include SWPPP, final design report, etc.
- d. Signed and sealed plans, specifications, and general files are transmitted

is experienced with the LADOTD requirements in completing title take-offs, property surveys, and R/W maps.

Volkert staff have been surveying in Northern Louisiana for almost 30 years and has completed over 40 roadway project surveys in 12 Parishes, including the Bossier Parish East-West Corridor. Volkert is already in receipt of advanced information and will verify survey information to be utilized with the LADOTD survey section prior to beginning work. Randy Denmon's knowledge of the area and landowners in the area will be an added benefit for this project. Title work (including updates if needed), Property Survey's, R/W maps, Title Take-Off's will be performed by Volkert's Monroe staff. The Volkert staff understands the timing of the title reports and the Right of Way plans and will minimize rework with close coordination with the Real Estate Section, Location and Survey section, and the Design team. Volkert will coordinate any advance acquisitions of total takings as needed on this project.

Based upon records obtained from the Bossier Parish Assessor's office, dated 2022, the corridor will intersect approximately 15 parcels, with 10 various owners, as displayed in Figure 3. The alignment has two residences within 50-ft. of the construction limits and would require one residential relocation.

SUE Services

GEC's sub NTBA performed control, topographic, and property surveys as well as located all utilities, developed a drainage map, and produced preliminary right-of-way maps for the Winfield Road Extension, East/West (LA 3 to Airline Drive) for the BPPJ in 2016 & 2017 which is Phase 1 of this project allowing us to start the project with previous knowledge of the first portion of the project.

First, NTBA will utilize the existing utility information gathered during previous work on the Winfield Road Extension, East/West (LA 3 to Airline Drive) completed in 2017. NTBA proposes to perform Subsurface Utility Engineering (SUE) Services for this project providing the BPPJ with a more comprehensive look at what utility conflicts may exist and to help better evaluate any route alternatives. **There has been significant construction in the immediate area of the proposed corridor that will impact the location and quantity of utilities since the original survey.** NTBA will clearly define the purpose of

the SUE work and the unique challenges of this project so that the correct techniques that will result in a deliverable that fulfills the BPPJ's and LADOTD's requirements to properly assess the conditions is chosen. **Previous experience on the above-mentioned BPPJ project will allow the amount of time spent determining utility owners and to proceed with the SUE much quicker than our competitors, within approximately 30 days of NTP.**

NTBA will perform an LA One Call to identify utilities present and owner information. Owners will be contacted, and relevant information will be requested. NTBA will utilize a range of collection techniques to complete the project within the identified schedule. NTBA will use their knowledge to determine the relevant methodologies to collect such information. The GEC Team is aware that potential utility conflicts may occur. Data will be gathered from all available sources and open communication will be maintained with the project team, client, and utility companies to mitigate any such conflicts.

An Enable Gas Transmission Interstate pipeline runs almost parallel to the proposed corridor, as shown in Figure 3. The GEC Team will coordinate with the owner and take steps to avoid impacts to the pipeline.

NTBA will divide this project up into 2 to 3 sections to allow for a more efficient and quicker process. NTBA will assign crews familiar with the previous project to Phase 1 and assign the other sections to the remaining crews. Each crew is assigned its own point range in which to store shots and provided clear lines of separation so that overlap doesn't occur. Maps and Field Count Sheets will be submitted daily along with data collectors being downloaded every night. The office processes data daily for a cursory check of the line work, gaps, and/or overlaps by the crews in each day's work so that issues will be addressed immediately. NTBA will incorporate the gathered utility information into a main MicroStation file and check it with the field notes to make sure all codes, attributes, and depths are correctly entered. All information will be entered using the DOTD code list. QL B plans will be produced at a 1"= 30' scale or other scale as defined by LADOTD for submittal. PDFs of the QL B plans will be submitted as well as all other documents gathered from the utility companies.

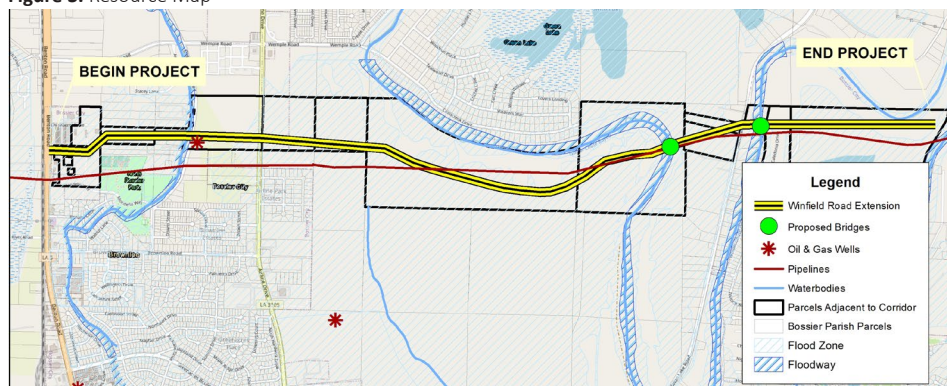
Geotechnical Services

GEC sub APS will perform the Geotechnical Subsurface investigation according to the advertisement consisting of field investigations, soil borings, laboratory testing, soil classification, site characterization, geotechnical design, and soil boring logs per ASTM and FHWA Geotechnical Engineering Circular No. 5 (GEC 5) and evaluation of bridge foundation types in conformance with LADOTD design procedures. APS will also provide the following geotechnical design elements for this project: driven pile design, LRFD design, scour, drilled shaft design, load test program, slope stability, embankment settlement, earth retaining structures, and any other relevant services.

Preliminary/Final Design, Plan Development & Cost Estimates

The GEC Team is very familiar with the LADOTD Road Design Manual, Bridge Design Manual, EDSMs, Standard Specifications for Roads and Bridges, Minimum Design Guidelines, and other LADOTD related guidelines, specifications, and standards and will follow the steps outlined previously in Figure 2.

Figure 3. Resource Map



The GEC Team will prepare all plans in accordance with the most current LADOTD CAD standards. In addition to resumes in Section 16, GEC support staff includes highly knowledgeable and skilled CAD personnel, experienced in utilizing Bentley’s Microstation, InRoads, & CADConform programs. The GEC Team is aware of the LADOTD transition to OpenRoads and, if such transition shall occur during this project, the GEC Team is prepared to transition appropriately. GEC will upload e-deliverables into the LADOTD ProjectWise repository at any necessary milestone as required by the Task Order. Plan submittals will generally adhere to LADOTD Road Design & Bridge Design requirements (Figure 3). For each required LADOTD submittal, the GEC Team will perform stringent quality reviews to submit all required items which meet quality assurance criteria.

The EA originally designated that the future construction typical section would consist of a 5-lane urban collector with a TWLTL; however, since that time, LADOTD has issued new guidelines, which are more stringent than previous guidelines. Therefore, the future construction typical section will consist of a 4-lane divided highway. The footprint the new typical section will impact should be within the limits of the footprint approved in the EA; however, if the EA shall require revisions, GEC has staff to provide services or assistance to DOTD for any EA reevaluations if needed.

Bridge Design/Evaluation Criteria. Bridge design will adhere to AASHTO LRFD Bridge Design Specifications and LADOTD Roadway Plan Preparation Manual, Bridge Design Manual, General Guide for Bridge Plan Preparation, and Hydraulics Manual. The GEC Team will prepare design criteria and submit to LADOTD for approval prior to proceeding with design. GEC will prepare 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” Load and Resistance Factor Rating of all superstructure and substructure (where-required by LADOTD) components of the bridges in accordance with the latest edition of the AASHTO Bridge Evaluation Manual and the LADOTD Bridge Design Manual. Keith Rebello, PE will supervise the “As-designed” load rating analyses of the bridges. His vast rating experience includes the entire Lake Pontchartrain Causeway bridge, where he performed superstructure ratings for double-leaf steel Bascule Spans, pre-stressed concrete box girder spans, pre-stressed concrete monolithic girder and slab spans, and composite steel girder and concrete deck spans in accordance with the AASHTO Bridge Evaluation Manual.

Hydraulic Analysis. GEC will provide all bridge hydraulics, drainage, and storm sewer design as needed. LADOTD’s requirements, which shall govern hydraulic analysis & design, are specified in the current edition of LADOTD’s Hydraulics Manual. GEC will perform any necessary hydraulic analyses to provide adequate drainage design along the roadway & surrounding areas to effectively manage stormwater. Bridge backwater & water surface profiles will be calculated according to the FHWA WSPRO Water Surface Profile. To complement traditional drainage systems, green infrastructure solutions will be evaluated to improve & provide better opportunities to manage stormwater as well as the added social, economic, & environmental benefits.

A detailed floodplain evaluation will be required as the corridor crosses floodplains (see Figure 3). The LADOTD Hydraulics Manual requires a 50-year design frequency. Geometric design standards require the finished roadway elevation to be above the calculated WSE for the event. The corridor crosses two floodway locations, where bridges are proposed. In accordance with FEMA, the GEC Team will perform hydraulic models to avoid changes in WSE, or a “No-Rise” Applicable “No-Rise” analyses will be performed at the bridge structures and/or in areas where required and submitted to both LADOTD and Bossier Parish.

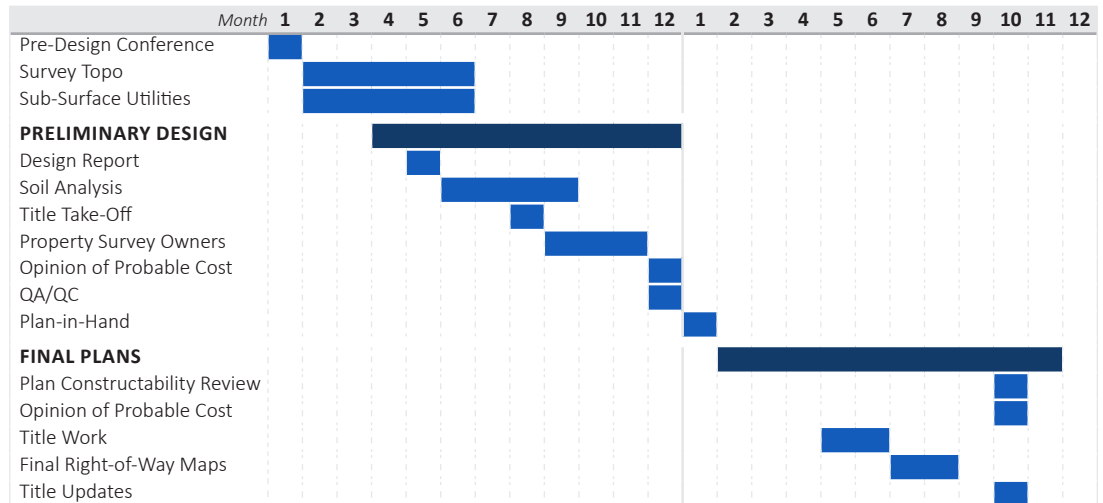
Stage 5: Construction Support

In Stage 5 of the Project Delivery process, GEC provides construction support and construction related engineering for projects GEC has designed. GEC stands ready to provide construction support services if necessary. GEC has in-depth experience in developing Special Provisions, which will be contained in the project’s contract documents and describe any required work that amends the Standard Specifications and Supplemental Specifications in the LADOTD’s Standard Specifications for Roads and Bridges. GEC will author and provide these documents, if necessary.

Quality Plan Reviews. GEC’s written QA/QC procedures meet LADOTD’s requirements and serve as the basis for our work on all contracts, requiring that each member of the team follows the procedures so that work is performed correctly and delivered on time and within budget. Deliverables must comply with current standards and sound practices and reflect current technology. An independent professional checks the deliverables and the originator corrects any errors. Volkert will review both Roadway and Bridge plans according to GEC’s quality control plan for the project. Volkert will provide written comments and marked up plans, as need, both at Preliminary Plan and Final Plan submittal milestones as described in the Roadway Design Manual.

The GEC Team’s understanding of this project and its history, along with Bossier Parish’s preferences as a client, will help our staff provide comments to advance the project.

Figure 4. Sample Project Schedule



19. Workload

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State project number	Project name	Remaining unpaid balance**
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)	70,810
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	800,000
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	49,160
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)	79,407
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Bridge & Sound Walls) (Sub to Huval)	350,000
		S.P. # H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	124,800
		44-04900, H.004540.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	219,878
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	802,000
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	148,795
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)	34,447
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	200,000
G.E.C., Inc.	ITS	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	19,447
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	320.829
G.E.C., Inc.	CE&I/OV	44-23074, H.010724.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Pecan Island Road Over the Chenal	0
		44-23074, H.012465.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3	409,400
		44-23074, H.010960.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10	662,294
		44-23074, H.015022.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 976: LA 81 - US 190	0
		44-23074, H.014694.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 426: LA 73 - Sherwood Forest	164,027
		44-23074, H.014930.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Rumble Strips: District 61 - Area C	83,674
		44-19950, H.002735.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - Bayou Vermillion Bridge	31,498
		44-19950, H.003003.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-10: I-49 - LA 328	0
		44-19950, H.002868.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-49 S: Amb Caffery / US 90 Interchange	638.588
		44-19950, H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - US 90: LA 14 to LA 83	493,345
		44-14315, H.003370.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - I-220/I-20 Interchange IMP & BAFB Access	0
		44-14315, H.010000.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs	52,602
		44-17006, H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	573,589
		44-23897, H.011965.6	LA 47: IWGO Bridge Rehabilitation (HBI) (CE&I) (sub to GPI)	1,732,222
44-24438, H.010673.6	US 90: Harvey Canal Tunnel Rehab (CE&I), Jefferson Parish	1,728,360		

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
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	300,000
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	45,000
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	54,012
		44-11354, H.013442.6	IDIQ Contract for Electrical Statewide-I-10: Crowder Boulevard Interstate Lighting (Expires 7/3/24)	43,000
		44-11354, H.013617.6	IDIQ Contract for Electrical Statewide-I-10: I-610E Interchange Lighting, T.O. #1 (Expires 7/3/24)	134,346
		44-11354, H.014552.5	IDIQ Contract for Electrical Statewide-I-49: LA 31 Interchange Lighting (Opelousas), T.O. #2 (Expires 7/3/24)	205,598
		44-11354, H.014556.5	IDIQ Contract for Electrical Statewide-I-49: US 190 Interchange Lighting (Opelousas), T.O. #3 (Expires 7/3/24)	234,567
		44-11354, H.014557.5	IDIQ Contract for Electrical Statewide-I-49: Judson Walsh Drive Interchange Lighting (Opelousas), T.O. #4 (Expires 7/3/24)	220,907
		44-11354, H.014553.5	IDIQ Contract for Electrical Statewide-I-49: LA 3233 Interchange Lighting (Opelousas), T.O. #5 (Expires 7/3/24)	376,863
		44-11354, H.015598.5	IDIQ Contract for Electrical Statewide-I-210: Hurricane Laura Lighting Repairs, T.O. #6 (Expires 7/3/24)	55,964
		44-05660, H.012874.6	Retainer Contract for Electrical Services - I-55: LA 22 Interstate Lighting (Sub to Buchart-Horn)	20,153
		G.E.C., Inc.	Other (DOTD Support Services)	44-17329
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 3 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).	1,397,753
		44-25040, H.015342	IJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1 (Note: Work will be performed over 4 years)	187,000
		44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	176,554
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	200,000

A P S Engineering and Testing, LLC	Geotech	State Project No. H.013127	Retainer Contract for Geotechnical Services	216,934
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NTB Associates, Inc. (NTBA)	Survey	4400019338, Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	0
NTBA	Right-of-Way	4400019338, Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	\$109,864
NTBA	Survey	4400019337, Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	0
NTBA	Right-of-Way	4400019337, Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	\$114,652

NTBA	Survey	4400017067, LWI Task Order 3	Louisiana Watershed Initiative (LWI) Modeling Contract – Region 1 (Sub to Atkins)	\$40,440
NTBA	Survey	4400019715, H.008768.5	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 8 – Summer Bridges	\$19,799
NTBA	Survey	4400019715, H.008768.5	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 9 – Fall Bridges	\$154,000
NTBA	Survey	4400026587, H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huvall & Associates, Inc.)	\$156,900
NTBA	Other (SUE)	4400026587, H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huvall & Associates, Inc.)	\$253,750
NTBA	Right-of-Way	4400026587, H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huvall & Associates, Inc.)	\$62,100

Volkert, Inc.	Road	Contract No.44-5267 S.P. No. H.003074 & H.009087	Route I-10: Williams Blvd. to Veterans Blvd. & Loyola Drive to Williams Blvd. – Sub-consultant, Jefferson	\$1,736 .00 (Project on Hold)
Volkert, Inc.	Road	Contract No. 44-5142 S.P. No. H.001309.5	MacArthur Blvd. Phase II Final Plans – Sub-Consultant, Jefferson Parish, LA	\$77,678.00 (Project on Hold)
Volkert, Inc.	Bridge	Contract No. 44-4726 S.P. No. H.004113	I-12 to Bush LA 3241 (LA 435 to LA 40 / LA 41), - Sub Consultant, St. Tammany Parish, LA	\$41,796.00
Volkert, Inc.	Bridge	Contract No.44-8113 S.P. No. H.011152.5	I-12 Widening (US 190 to LA 59) Route I-12 – Sub Consultant, St. Tammany Parish, LA	\$20,052.00
Volkert, Inc.	Bridge	Contract No. 44-25024, S. P. No. Varies	IJA Off-System Bridge Program District 04	\$2,000,000.00
Volkert, Inc.	Traffic	Contract No. 44-4787 S.P. No. H.009250	IMR I-10 Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LA	\$1,215,644.30
Volkert, Inc.	Survey	Contract No. 44-17068	Louisiana Watershed Initiative (LWI) Modeling Contract Region 3, Sub Consultant -Work completed	\$139,109.00
Volkert, Inc.	Survey	Contract No. 44-17068	IDIQ Contract for Louisiana Watershed Initiative (LWI) Modeling Contract Region 2, Sub Consultant, Task Order 1, 2 and 3	\$213,815.00
Volkert, Inc.	Survey	Contract No. 44-17764, S.P. No. H.013284	IDIQ Contract for Engineering and Inspection Services of State Regulated Dams with Majority of Work in Districts 04,05.08 and 58, Statewide, Tasks Order 4 & 7	\$93,545.00
Volkert, Inc.	Survey	Contact No. 44-19871	IDIQ Contract for Design of Safety Projects, Statewide with Majority of Work I Districts 04,05, and 58.Sub-Consultant	No Open Task Orders
Volkert, Inc.	Other -Procurement Services	Contract No. 44-17328, S.P. No.H.015372	IDIQ Contract for Innovative Procurement Support Services, Statewide - No open task orders	No Open Task Orders

Volkert, Inc.	CE&I/OV	Contract No. 44-16173, S.P. No. H.003370	I-220/I-20 Interchange Improvements & Barksdale AFB Access, Bossier Parish, LA	\$388,970.00
Volkert, Inc.	CE&I/OV	H.004791	LA 23: Belle Chasse Bridge and Tunnel Replacement (HBI) Plaquemines Parish, LA	\$5,552,951.00
Volkert, Inc.	CE&I/OV	Contract No. 44-16980, H.013897	College Drive Flyover Ramp. I-10/I-12 West East Baton Rouge Parish, LA	\$523,625.00
Volkert, Inc.	CE&I/OV	Contract No. 44-21740, H.004100.6	Phase I W. of Washington Street to Essen Lane (CE&I) Phase I Segment 01. W. of Washington Street to Acadian Thruway, Route I-18. East & West Baton Rouge Parishes, LA	\$8,068,216.00
Volkert, Inc.	CE&I/OV	H.001234.6	LA 1 Port Allen Canal Bridge Replacement (Phase 1) (HBI) (CE&I), West Baton Rouge Parish, LA – Subconsultant	\$458,917.00
Volkert, Inc.	CE&I/OV	H.007811.6, H.000710.6, H.002273.6, and H.001352.6	Comite Diversion Canal CE&I and Utility Relocation, East Baton Rouge Parish, LA – Subconsultant	\$414,475.00
Volkert, Inc.	CE&I/OV	Contract No. 44-19950, H.003003.6-2	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes Task Order 1 I-10 E Jct I-49 to LA 328, Lafayette Parish - Subconsultant	\$38,584.00
Volkert, Inc.	CE&I/OV	Contract No. 44-19950, H.002868.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 4 – I-49 S Ambassador Caffery/US 90 Interchange, St. Martin & Lafayette Parishes– Sub- consultant	\$459,466.00
Volkert, Inc.	CE&I/OV	Contract No. 44-19950, H.013265.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 5 – US 90 LA 14 - LA 83, Iberia Parish – Sub- consultant	\$180,804.00
Volkert, Inc.	CE&I/OV	H.008145.6	LA 1: Leeville to Golden Meadow Phase 2 (CE&I) SA 1 Fabrication Lafourche Parish (Subconsultant to ECM)	\$7,226,226.00
Volkert, Inc.	CE&I/OV	H.011965.6	LA 47: IWGO Bridge Replacement (HBI) (CE&I), Orleans Parish -Subconsultant	\$340,000.00
Volkert, Inc.	CE&I/OV	H.009498.6	Retainer Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fabrication Inspection, Task Order 1 LA 121 Calcasieu River Bridge Fabrication, Rapides Parish	\$20,495.00

20. Certifications/Licenses

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


Bliss Bernard



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

Date: January 29, 2020 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 2.5


Poly Colvina *John Holt* *Robert D. Brunell*
Authorized Instructor Authorized Instructor Authorized instructor



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

Date: January 29, 2020 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3.5


Poly Colvina *John Holt* *Robert D. Brunell*
Authorized Instructor Authorized Instructor Authorized instructor



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

Date: January 30, 2020 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3.5

Poly Colvina *John Holt* *Robert D. Brunell*
Authorized Instructor Authorized Instructor Authorized instructor




**AMERICAN TRAFFIC
SAFETY SERVICES
ASSOCIATION**

*This is to affirm that
Bliss Bernard*

*has satisfied the requirements to be designated as a
CERTIFIED FLAGGER*

Expiration Date: 2/17/2025 State Issued in: LA

Ranger Smith
Instructor Signature

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

Brian Buckel



Marc Dunn



Jerome Lohmann



Roland Maurin



LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.

666 North Street – Baton Rouge, LA 70802
Phone: 225/344-0432 * Fax: 225/344-0458
www.lagc.org

July 13, 2023

To Whom It May Concern,

This is to verify that the below listed employees of G.E.C., Inc. have successfully completed LADOTD required ATSSA Traffic Control Training.

**ATSSA Traffic Control Supervisor Refresher Training – July 12, 2023: Dan Venable
Roland Maurin and Jason Corkern**

This letter will serve as temporary proof of training until above listed employees receive their official certificates from American Traffic Safety Services Association (ATSSA).

If there are any questions regarding this issue, please contact Mr. Brett Morgan of LADOTD at Headquarters in Baton Rouge, LA (225-379-1584) or Judy Brousseau at the above captioned address.

Best Regards,


Ken Naquin, LAGC Chief Executive Officer

Logan Michel


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

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

Professional Development
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor




Authorized instructor


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

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


Professional Development
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor




Authorized instructor

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

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

Professional Development
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor




Authorized instructor


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


Authorized Instructor


Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT


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


Authorized Instructor


Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT


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


Authorized Instructor


Authorized Instructor





Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Thomas Swanson

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




Date: January 17, 2019 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 2


  
 Authorized Instructor Authorized Instructor Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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




Date: January 22, 2019 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3


  
 Authorized Instructor Authorized Instructor Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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

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

  
 Authorized Instructor Authorized Instructor Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Thomas Swanson
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

9/25/2020 to 9/25/2020
Date

Baton Rouge, LA
Location

Donna M. Clark
Vice President of Member Services

Alicia Testa
President, CEO

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



American Traffic Safety Services Association ATSSA.com



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)

APS Engineering & Testing, LLC

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2022 to October 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Sergio Aviles



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles

has attended

Traffic Control Technician Virtual Training

Training Course

1/24/2023 to 1/24/2027
Training Valid Through

CEU: 0.75

Handwritten signature of Ramona Smith in black ink.

Director of Training

Handwritten signature of Alex Teodoro in black ink.

President, CEO

,
Location

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

Surendra Pathak



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Surendra Pathak

has attended

Traffic Control Supervisor Virtual Training

Training Course

12/28/2022 to

12/28/2026

Training Valid Through

,
Location

CEU: 1.50

A handwritten signature in black ink, appearing to read "Ramya Suth".

Director of Training

A handwritten signature in black ink, appearing to read "Alan Tetschner".

President, CEO

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

Randy Denmon

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

RANDY DENMON
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 4/8/2022 Debbie Purcella
Instructor Name

Exp. Date 4/8/2026

State Issued LA Debbie Purcella
Instructor Signature

V0000047216 Verify at Flagger.com

Belton Davis



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Belton Davis

has attended

Traffic Control Technician-LA State Specific

Training Course

2/7/2023 to 2/7/2027
Training Valid Through

Baton Rouge, LA
Location

Handwritten signature of Donnie M. Clark in black ink.

Vice President of Education and Technical Services

Handwritten signature of Alan Teichner in black ink.

President, CEO

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



American Traffic Safety Services Association ATSSA.com

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 Bridge Department Quality Assurance / Quality Control Manual is attached.



**GEC BRIDGE DEPARTMENT
QUALITY ASSURANCE/QUALITY CONTROL
MANUAL**

**CONTRACT NO. 4400027600
STATE PROJECT NO. H.003855.5
FEDERAL AID PROJECT NO. H003855
ENTITY CONTRACT FOR CONG RELIEF WINFIELD ROAD
BOSSIER PARISH**

September 2017
Revised August 2019
Revised September 2020
Revised October 2022

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**.

Responsibilities of the Prime Consultant in the QA/QC Process

GEC understands that as the Prime Consultant we are fully responsible for the QA/QC of our work and the work of all subconsultants and that GEC is also responsible for all expenses incurred from design omissions, ignorance, or errors. GEC recognizes that LADOTD is not responsible for the QA/QC for this project.

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.

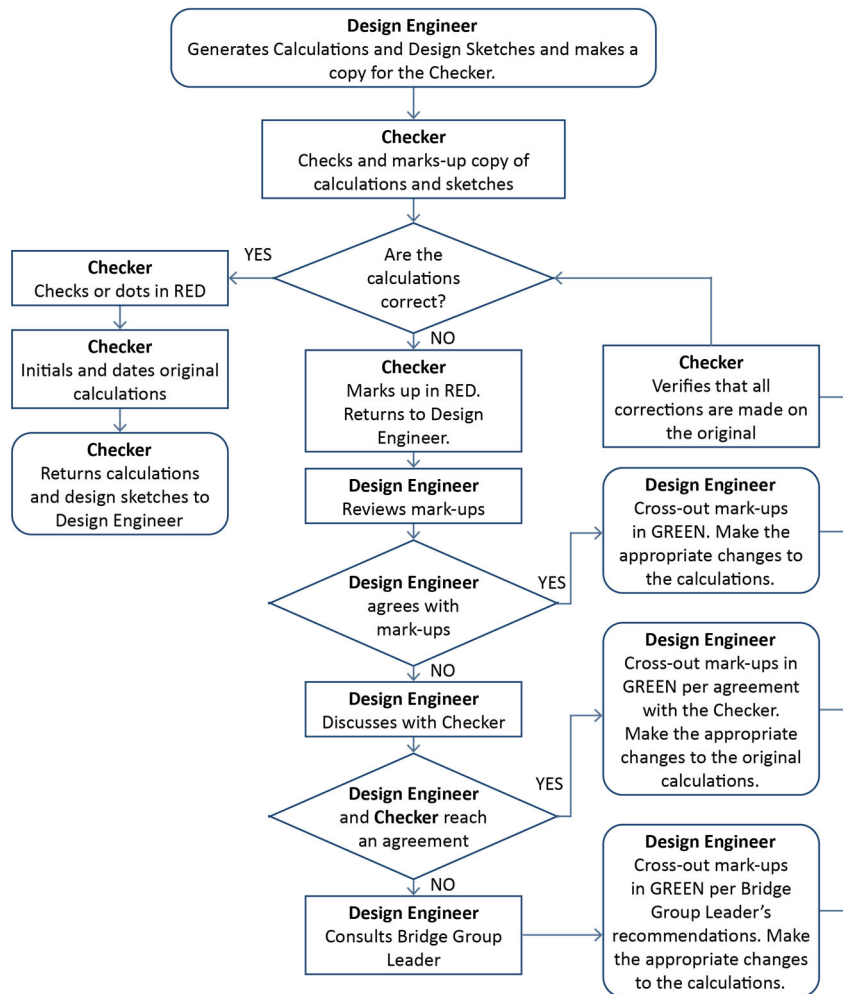


Figure 1. QC for Calculations Flowchart

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

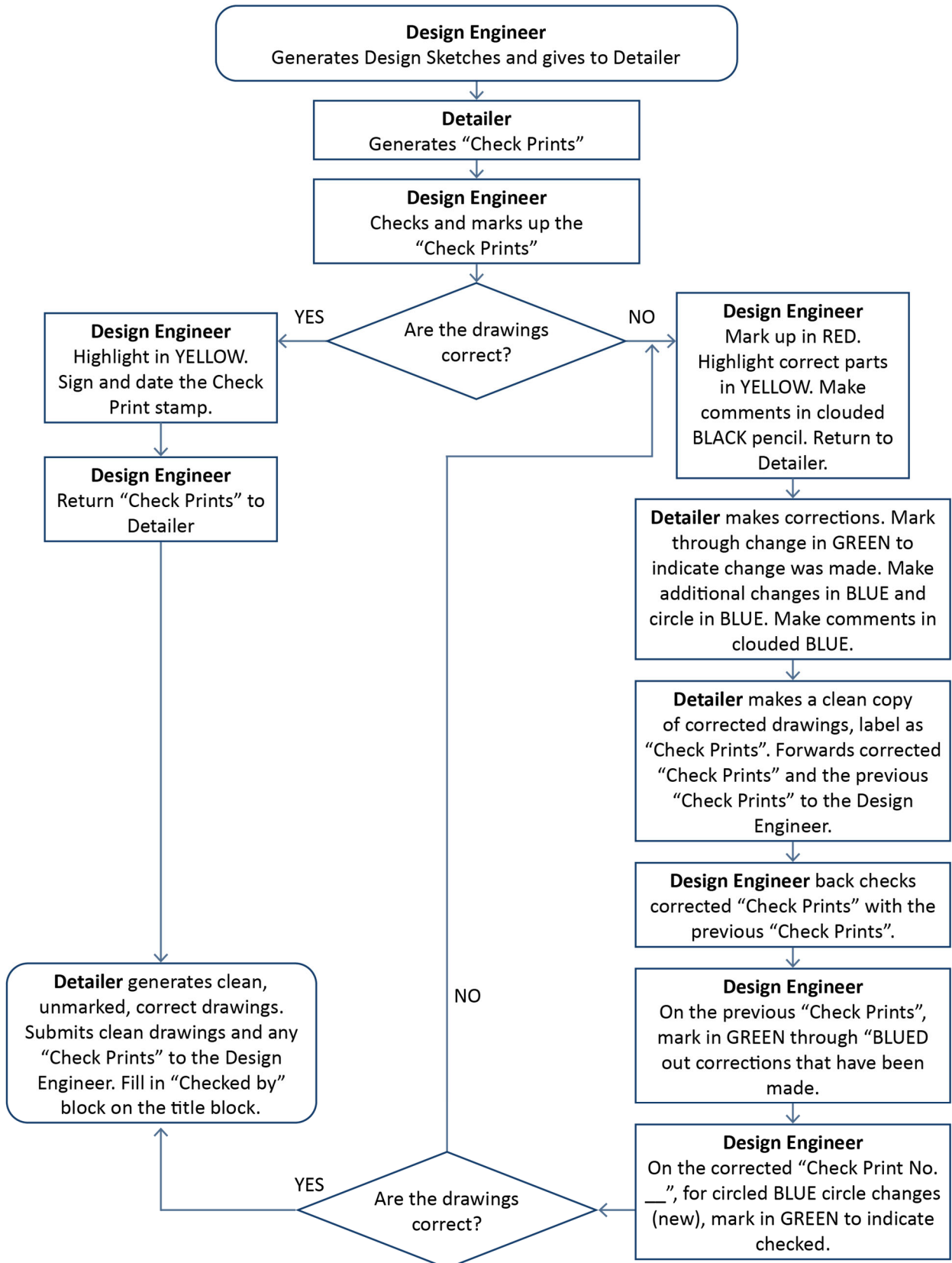


Figure 2. QC for Details Flowchart

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 AS REGISTERED WITH LOUISIANA'S SECRETARY OF STATE)	Address	Point of Contact and email address	Phone Number
A P S Engineering and Testing, LLC 	1645 Nicholson Drive, Baton Rouge, LA 70802	Sergio Aviles, P.E. Sergio@aps-testing.com	225-456-5714
NTB Associates, Inc. 	Corporate Headquarters: 525 Louisiana Ave., Shreveport, LA 71101 Branch Office: 8643 Main St., Zachary, LA 70791	Amy Schulze, PE, CFM aschulze@ntbainc.com	225-751-4002
Volkert, Inc. 	9448 Brookline Ave, Baton Rouge, Louisiana 70809	Janet L. Evans, PE Jan.evans@volkert.com	225-218-9440

23. Location

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

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