

CONTRACT NOS. 4400024021 and 4400024022  
STATE PROJECT NOS. H.015028 (CE&I) and H.002264 (CE&I)  
F.A.P. NOS. H015028 and H002264  
ROUTE: LA 302, LA 47 and LA 3257  
JEFFERSON PARISH

# CONTRACT FOR LA 302: BAYOU BARATARIA MB REPLACEMENT

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**Submitted to**

Louisiana Department of Transportation and Development

**Submitted by**

Design Engineering, Inc.

**Date**

April 26, 2022



April 26, 2022

Department of Transportation and Development  
Attn.: Michael Gorbaty  
Consultant Contract Services Administrator  
1201 Capitol Access Road, **Room 405-E**  
Baton Rouge, LA 70802-4438

RE: Engineering and Related Services  
Contract No. 4400024021  
Contract for LA 302: Bayou Barataria MB Replacement, Phase 1  
State Project No. H.015028 (CE&I)  
F.A.P. No. H.015028  
And  
Contract No. 4400024022  
Contract for LA 302: Bayou Barataria MB Replacement  
State Project No. H.02264 (CE&I)  
F.A.P. No. H.002264

Dear Mr. Gorbaty:

In response to the announcement issued April 4, 2022, DEI is pleased to submit the enclosed Form DOTD 24-102. We appreciate the opportunity to be considered to work on this critical project and look forward to providing the services to DOTD, if selected.

As prime consultants, Design Engineering, Inc. (DEI) will be responsible for all the Construction Engineering and Inspection (CE&I) for the statewide safety projects. Our team will consist of GEC, Inc., Royal Engineering and Consultants, LLC, and Batture LLC. Also, if needed, we have a backup independent testing lab for this project.

The DEI team has extensive experience in transportation projects of all types and complexities in accordance with DOTD standards. DEI has been designing and constructing projects since its founding in 1984. For decades, DEI has worked with DOTD and various parishes on complex bridge and roadway projects.

Design Engineering, Inc.  
3330 West Esplanade, Suite 205, Metairie, Louisiana 70002  
(504) 836-2155 • Fax (504) 836-2159 • E-mail: deiengr@dei-engr.com

We are a local Louisiana company, and our Team has the staff and capabilities available to complete this project in a most efficient and high-quality fashion.

We appreciate the opportunity to submit our qualifications. We are confident in the ability of our firm to accomplish the services requested and look forward to a favorable review of our submittal.

With best regards, I remain

Very truly yours,

DESIGN ENGINEERING, INC.

  
Jim Martin, Ph.D., P.E.  
President



# **STANDARD FORM: 24-102**

# DOTD FORM: 24-102


(Revised March 1, 2022)

## PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	CONTRACT FOR LA 302: BAYOU BARATARIA MB REPLACEMENT
2. Contract number(s) as shown in the advertisement	4400024021 and 4400024022
3. State Project Number(s), if shown in the advertisement	H.015028 (CE&I) and H.002264 (CE&I)
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Design Engineering, 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.0001135
6. Prime consultant mailing address	3330 W. Esplanade Avenue S., Suite 205 Metairie, LA 70002
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	3330 W. Esplanade Avenue S., Suite 205 Metairie, LA 70002
8. Name, title, phone number, and email address of prime consultant's contract point of contact	James Martin, Ph.D., P.E., President / Principal-In-Charge 504-836-2155 jmartin@dei-engr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	James Martin, Ph.D., P.E., President / Principal-In-Charge 504-836-2155 jmartin@dei-engr.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. LADOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Signature: \_\_\_\_\_



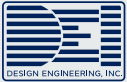



Date: April 26, 2022

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

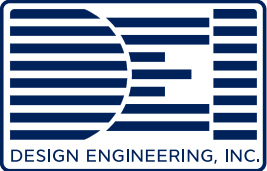

Firm(s):  
Batture, LLC

Firm(s)' %:  
2%

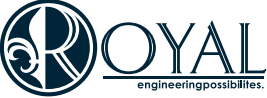

12. Past Performance Evaluation Discipline Table:

Evaluation Discipline(s)	% of Overall Contract	 (Prime)	 Gulf Engineers & Consultants	 engineeringpossibilities.	 engineers + land surveyors	Each Discipline Must Total to 100%
CE&I/OV	100%	60%	28%	10%	2%	100%
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	60%	28%	10%	2%	100%

13. Firm Size:

Firm Name	LADOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this LADOTD Job Classification (if needed)
	Administrative	1	2
	CADD Operator	1	2
	Clerical	1	2
	Engineer	3	5
	Engineering Intern	2	5
	Engineering-Aide	0	4
	Project Office Manager	1	1
	Principal	1	2
	Inspector – Certified	3	1
	Inspector – Lead	1	3
	Inspector	1	6
	ITS Technician – Lead	2	0
	Inspector – Certified	1	2
	Inspector – Lead	1	7
	Engineer	1	0
	Principal	1	0

13. Firm Size:

Firm Name	LADOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this LADOTD Job Classification (if needed)
	Principal	1	4
	Engineer	3	7
	Inspector – Certified	1	1
	Inspector – Lead	1	2
	Inspector	0	8
	Party Chief	1	2
	Surveyor	1	1
	Engineer	0	4
	Engineering Intern	0	3

## 14. Organizational Chart:

### LEGEND

GEC Personnel in Orange

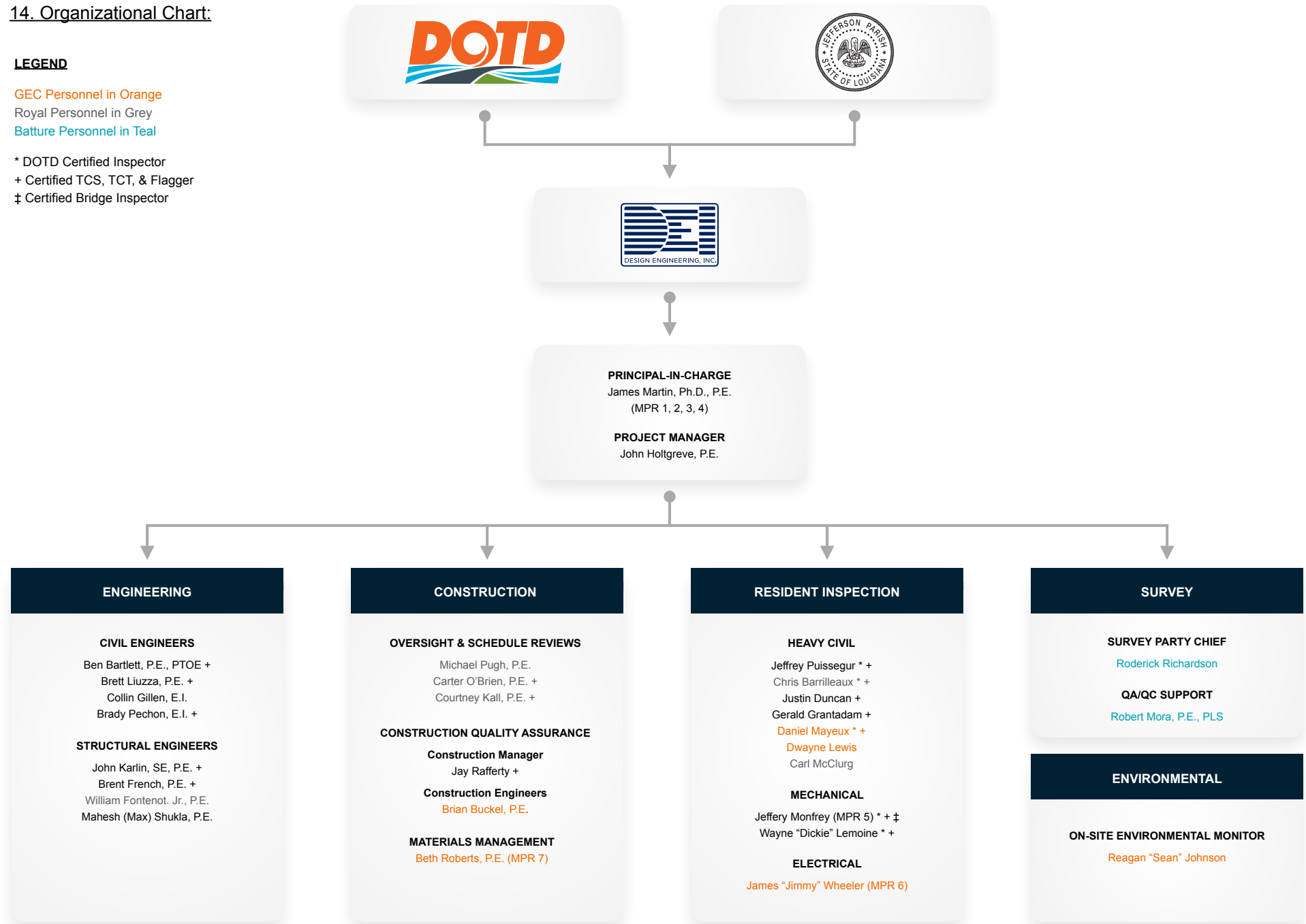
Royal Personnel in Grey

Batture Personnel in Teal

\* DOTD Certified Inspector

+ Certified TCS, TCT, & Flagger


‡ Certified Bridge Inspector



**15. Minimum Personnel Requirements:**

<b>MPR No.</b> Do not insert wording from ad	<b>Personnel being used to meet the MPR</b> (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	<b>Firm employed by</b>	<b>Type of license/certification &amp; number</b>	<b>State of license</b>	<b>License/certification expiration date</b>
1	James Martin, Ph.D., P.E.		Professional Engineer / 31281	LA	9 / 30 / 2022
2	James Martin, Ph.D., P.E.		Professional Engineer / 31281	LA	9 / 30 / 2022
3	James Martin, Ph.D., P.E.		Professional Engineer / 31281	LA	9 / 30 / 2022
4	James Martin, Ph.D., P.E.		Professional Engineer / 31281	LA	9 / 30 / 2022
5	Jeff Monfrey		N/A	N/A	N/A
6	James "Jimmy" Wheeler		N/A	N/A	N/A
7	Beth Roberts, P.E.		Professional Engineer / 23630	1	3 / 31 / 2024

## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	James Martin, Ph.D., P.E.	Years of relevant experience with this employer	8	
Title	President / Principal-In-Charge	Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			BS / 1998 / Civil Engineering MS / 2000 / Environmental Engineering 2003 / Doctor of Philosophy 2010 / Coastal Engineering Certificate	
Active registration number / state / expiration date			31281 / LA / 9/30/2022	
Year registered	2004	Discipline	Civil Engineer	
Contract role(s)/brief description of responsibilities			Principal-In-Charge/Civil Engineer (MPR 1, 2, 3, and 4)	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&amp;I):</b> President/Civil Engineer responsible for overseeing the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.			
02/14 – 04/19	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> President/Civil Engineer responsible for overseeing and managing all personnel and contracts for this project which includes conducting a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); perform a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure; and submit a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI is responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, it is DEI's responsibility to provide full time resident inspection and testing services during construction.			
05/08 – 12/16	<b>DOTD SP No. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION – PHASE 1A AND 1B:</b> President/Civil Engineer responsible for overseeing and managing all personnel and contracts for Phase 1A included the demolition of a portion of the existing service road and the relocation of the service road to accommodate the new bridges constructed under Phase 1B of this project. The bridges were constructed using Type II girders and trapezoidal box girders supported on single pier bents with pile footings to match the aesthetics of the existing Westbank Expressway Bridges. DEI provided At-Grade roadway design, Column clearance designs, utility relocation, drainage design, right-of-way plans, temporary retaining structure for pile supported columns, coordination of modification to Phase 1A during construction of Phase 1B bridge, management of roadway and bridge design team during construction, major public presentations and meetings with affected stakeholders. DEI was awarded the ACI Louisiana Award for Overall Best Concrete Project of 2016, and Award of Excellence in 2016 for its work on the MacArthur Drive Interchange Completion Project–Phase 1B.			

16. Staff Experience:

10/18 – 03/20	<b>DOTD SP NO. H007271.6: CANAL BOULEVARD (ROBERT E. LEE – AMETHYST) (CE&amp;I):</b> President/Civil Engineer responsible for overseeing and managing all personnel and contracts for the reconstruction of an existing four (4) lane divided boulevard. This project included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, stormwater pumping station, pavement striping, signs, and legends and symbols. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.
04/19 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY. TO LAPALCO) (CE&amp;I):</b> President/Civil Engineer responsible for overseeing and managing all personnel and contracts for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols were also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	John Holtgreve, P.E.	Years of relevant experience with this employer	38
Title	Executive Vice President, Project Manager	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS / 1970 / Civil Engineering MCE / 1975 / Civil Engineering
Active registration number / state / expiration date			16383 / LA / 3/31/2023
Year registered	1976	Discipline	Civil Engineer
Contract role(s)/brief description of responsibilities			Project Manager
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
02/14 – 04/19	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Project Manager for the design and construction of this project which includes conducting a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); perform a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure; and submit a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI is responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, it is DEI's responsibility to provide full time resident inspection and testing services during construction.		
05/08 – 12/16	<b>DOTD SP No. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION – PHASE 1A AND 1B:</b> Project Manager for the design of Phase 1A included the demolition of a portion of the existing service road and the relocation of the service road to accommodate the new bridges constructed under Phase 1B of this project. The bridges were constructed using Type II girders and trapezoidal box girders supported on single pier bents with pile footings to match the aesthetics of the existing Westbank Expressway Bridges. DEI provided At-Grade roadway design, Column clearance designs, utility relocation, drainage design, right-of-way plans, temporary retaining structure for pile supported columns, coordination of modification to Phase 1A during construction of Phase 1B bridge, management of roadway and bridge design team during construction, major public presentations and meetings with affected stakeholders. DEI was awarded the ACI Louisiana Award for Overall Best Concrete Project of 2016, and Award of Excellence in 2016 for its work on the MacArthur Drive Interchange Completion Project–Phase 1B.		
10/18 – 03/20	<b>DOTD SP NO. H007271.6: CANAL BOULEVARD (ROBERT E. LEE – AMETHYST) (CE&amp;I):</b> Project Manager for the reconstruction of an existing four (4) lane divided boulevard. This project included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, stormwater pumping station, pavement striping, signs, and legends and symbols. DEI was responsible for the construction, engineering and inspection of this project which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.		
04/19 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY. TO LAPALCO) (CE&amp;I):</b> Project Manager for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb, and gutter. This project included Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signage, and legends and symbols were also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.		

16. Staff Experience:

05/19 – 08/20	<b>DOTD SP NO. H011798.6: AIRLINE PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON) (CE&amp;I):</b> Project Manager for the construction of 0.390 miles of roadway, which included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Concrete Pavement, cofferdams, storm water pumping station and related work. Pavement striping, signage, and legends and symbols are also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.
09/16 – 02/17	<b>DOTD SP No. H.007277: LAKE FOREST BOULEVARD (CE&amp;I):</b> President/Civil Engineer responsible for overseeing and managing all personnel and contracts for the construction of approximately 638 LF of Portland Cement Concrete Pavement with barrier curb, barrier rails and retaining wall, including drainage pipes and structures and tie-in to the existing Westbound concrete pavement at Lake Forest Boulevard. Also, approximately 624 LF of the existing Eastbound asphaltic concrete pavement on Lake Forest Boulevard was removed by milling and overlayed with 2" asphaltic concrete wearing course, to develop a 2.5% cross slope. Pavement striping, sign and legends and symbols are included. DEI was responsible for the construction, engineering and inspection of this project which included maintaining all construction field records; make daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time through Site Manager.


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	Ben Bartlett, P.E., PTOE	Years of relevant experience with this employer	8	
Title	Civil Engineer	Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			MS / 2010 / Civil Engineering BS / 2008 / Civil & Environmental Engineering	
Active registration number / state / expiration date			38980 / LA / 9/30/2022	
Year registered	2014	Discipline	Civil Engineer	
Contract role(s)/brief description of responsibilities			Civil 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 time specified in the applicable MPR(s).			
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&amp;I):</b> Project Engineer for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I duties included organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection included observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.			
02/14 – 04/19	<b>JPPW NO. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Civil Engineer for this project, Mr. Bartlett conducted a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); performed a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure; and submitted a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI is responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, it is DEI's responsibility to provide full time resident inspection and testing services during construction.			
04/19 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY. TO LAPALCO) (CE&amp;I):</b> Project Manager for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, and mountable curb and gutter. This project included Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols were also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.			

## 16. Staff Experience:

05/19 – 08/20	<b>DOTD SP NO. H011798.6: AIRLINE PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON) (CE&amp;I):</b> Project Manager for the construction of 0.390 miles of roadway, which included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Concrete Pavement, cofferdams, storm water pumping station and related work. Pavement striping, sign and legends and symbols are also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.
09/15 – 06/18	<b>CCE PROJECT NO. 115-104: RIVER FOREST PAVING AND DRAINAGE IMPROVEMENTS (WILLOW DRIVE):</b> Civil Engineer for this project, Mr. Bartlett was responsible performing topographic survey services, production of plans, and construction engineering for the roadway and subsurface drainage improvements in the City of Covington. This project included removing and/or repairing existing drainage structures; installing subsurface drainage; removing and replacing reinforced concrete roadway panels and their underlying structural fills; and other work as required by the plans and specifications. Mr. Bartlett was responsible for the production of preliminary plans, final plans, and project specifications and assisting the owner with the bid phase of the project.
09/17 – 12/19	<b>JPPW No. 2013-033-RB: Southbound Causeway Blvd. at 17th Street Interchange Improvements:</b> Mr. Bartlett is the Project Engineer for this project. The project includes providing preliminary and final plans for the improvements to the interchange. This project is a heavy bridge addition that will connect to the existing interstate interchange easing the flow of traffic from the Causeway Bridge onto I-10.
08/20 - Ongoing	<b>DOTD SP No. H.013897: I-10 &amp; I-12 College Dr. Flyover Ramp:</b> Mr. Bartlett is a Civil Engineer for this project which consist of New College Drive ramp structure over existing I-12 that is geometrically compatible with existing mainline and ramp geometry, Widening of the I-10 West structure over Ward Creek or construction of a new structure to accommodate the new College Drive exit ramp and Rehabilitation and preservation of the I-10 West over Ward Creek bridge.


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	Brett Liuzza, P.E.	Years of relevant experience with this employer	10	
Title	Civil Engineer	Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering	
Active registration number / state / expiration date			37753 / LA / 9/30/2023	
Year registered	2012	Discipline	Civil Engineer	
Contract role(s)/brief description of responsibilities			Civil 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 time specified in the applicable MPR(s).			
05/08 – 12/16	<b>SP NO. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION (ON- AND OFF-RAMPS FOR PETERS ROAD):</b> Civil Engineer that assisted with the design of an on- and off-ramp system for the Westbank Expressway and the relocation of Frontage Road. Responsibilities included planning geometric layout of roadways and rights-of-way; relocation of drain lines up to 72" diameter, 10" sewer force mains with 20" steel casing horizontally drilled underneath four (4) lane highway, and water lines; project quantities estimation; preparation of plans for water mains, appurtenances, gas lines, and overhead and below ground power lines; the construction of storm drain performance, pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters and concrete sidewalks.			
10/18 – 03/20	<b>DOTD SP NO. H007271.6: CANAL BOULEVARD (ROBERT E. LEE – AMETHYST) (CE&amp;I):</b> Civil Engineer for the reconstruction of an existing four (4) lane divided boulevard. This project included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, stormwater pumping station, pavement striping, signs, and legends and symbols. Mr. Liuzza's responsibilities on this project included responding to RFIs, performing periodic site visits, considering and negotiating change orders, performing substantial completion inspections, and quickly responding to limit the effect of often encountered unforeseen site conditions. The entire construction contract administration and construction engineering and inspection for this project was managed through LaDOTD SiteManager.			
03/21 – 07/22	<b>DOTD SP NO. H.007276.6: MAGAZINE ST. (LEAKE AVE TO EAST DRIVE) (CE&amp;I):</b> Civil Engineer for the construction contract administration and construction engineering inspection services typically performed by the DOTD Project Engineer and his staff, including but not limited to, roadway rehabilitation project consisting of removal of existing pavement, excavation/embankment, base course, PCC paving, drainage structures, concrete curb, sidewalks & handicap ramps, water & sewer lines, pavement markings, and related work. Mr. Liuzza's responsibilities on this project include responding to RFIs, performing periodic site visits, considering and negotiating change orders, performing substantial completion inspections, and quickly responding to limit the effect of often encountered unforeseen site conditions. The entire construction contract administration and construction engineering and inspection for this project is managed through LaDOTD SiteManager.			

16. Staff Experience:

01/13 – 04/16	<b>JPPW NO. 2010-047: JEFFERSON PARISH SUBMERGED ROADWAYS PROGRAM:</b> Civil Engineer for damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-five (85) concrete streets and eight (8) miles of asphalt roadway repair within Council District 3. Design Engineering's responsibilities included Site Evaluations, Preliminary Plans, Final Plans, Construction Administration, and Resident Inspection. During site evaluations, DEI noted settlement and surface condition and verified the degree and severity of damage described in FEMA Project Work Sheets. Considerations during the design phase were tree root impacts on the existing roadway, addition and/or repair of sidewalks, driveways and handicap ramps, and adjustment of all drainage structures within the roadway limits. Mr. Liuzza's responsibilities on this project included responding to RFIs, performing periodic site visits, considering and negotiating change orders, performing substantial completion inspections, and quickly responding to limit the effect of often encountered unforeseen site conditions.
06/07 – 11/17	<b>OLD PROJECT NO. 27821: LAKESHORE DRIVE IMPROVEMENT PROJECT:</b> Civil Engineer for 5.2 miles of scenic 4-lane roadway with all necessary utilities, including sewerage, water and drainage, sidewalks and seawall stabilization along the entire length of the roadway. The project required the reconstruction of 3,150 feet of Lakeshore Drive roadway and adjacent parking facilities. Mr. Liuzza was responsible for the preparation of preliminary design, final design, construction administration, and resident inspection. Mr. Liuzza also coordinated and managed the geotechnical and surveying sub-consultants during the entire design process. DEI also provided the client with cost estimates and permit sketches as required by federal, state, and local authorities. Mr. Liuzza's responsibilities on this project included responding to RFIs, reviewing shop drawings, coordinating progress meetings, performing periodic site visits, considering, and negotiating change orders, performing substantial completion inspections, and quickly responding to limit the effect of often encountered unforeseen site conditions.


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	Collin Gillen, E. I.	Years of relevant experience with this employer	1	
Title	Civil Engineer Intern	Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			BS / 2020 / Civil Engineering	
Active registration number / state / expiration date			34496 / LA / 9/30/2022	
Year registered	2020	Discipline	Civil Engineering	
Contract role(s)/brief description of responsibilities			Civil Engineer Intern	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
06/19 – 6/21	<p><b>SOUTHBOUND CAUSEWAY BRIDGE SAFETY RAIL REPLACEMENT:</b> As an Engineering Intern, Mr. Gillen performed inspection oversight, quality assurance, and construction administration for Engineer Intern for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&amp;I: construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety. Responsibilities included evaluation of construction operations/work for conformance with the Plans and Specifications; coordination of daily field notes and acceptance of work with up to ten inspectors; and assistance in the response to RFIs, submittals, and monthly project progress summaries.</p>			
06/12 – 08/14	<p><b>CAUSEWAY BLVD. OVERPASS OF AIRLINE DRIVE:</b> As an Engineering Intern, Mr. Gillen is assisting the project engineer with the oversight of the rehabilitation of bridge spans of this 1950s era structure to meet AASHTO and LaDOTD standards. Responsibilities include structural analysis of existing girders according to modern standards to determine adequacy in terms of safety and serviceability, design of cover plates for failing girders and their connections to strengthen spans at a lower cost than replacement, coordination of the removal and replacement of a corroded portion of girder to reduce costs in comparison to replacement of the entire girder, and design of flange and web splice plates and their connections to safely transfer loads between the existing and new portions of girder.</p>			
09/17 – 11/17	<p><b>STATE STREET DRIVE RECONSTRUCTION, ORLEANS PARISH:</b> As an Engineering Intern, Mr. Gillen is currently assisting the project engineer in the design of the reconstruction of State Street Drive in New Orleans. Responsibilities include reviewing plans for water and sewer line connections. This project includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project also includes coordination with Batture Engineering for assisting in design.</p>			

16. Staff Experience:

09/17 – 05/18	<b>MAGAZINE STREET RECONSTRUCTION, ORLEANS PARISH:</b> As an Engineering Intern, Mr. Gillen is currently assisting the project engineer in the construction administration of the reconstruction of Magazine Street, between the intersections of Leake Avenue and East Drive, located in the Audubon Neighborhood area of New Orleans. Responsibilities include construction management, document control, and meeting coordination. This project also includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project is also in coordination with Hard Rock Construction throughout the construction of the project.
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## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	Brady Pechon	Years of relevant experience with this employer	1	
Title	Civil Engineer Intern	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2020 / Civil Engineering	
Active registration number / state / expiration date			34517 / LA / 3/31/2023	
Year registered	2020	Discipline	Civil Engineering	
Contract role(s)/brief description of responsibilities			Civil Engineer Intern	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/19 – Ongoing	<p><b>SOUTHBOUND CAUSEWAY BRIDGE SAFETY RAIL REPLACEMENT:</b> As an Engineering Intern, Mr. Pechon performed inspection oversight, quality assurance, and construction administration for Engineer Intern for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&amp;I: construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety. Responsibilities included evaluation of construction operations/work for conformance with the Plans and Specifications; coordination of daily field notes and acceptance of work with up to ten inspectors; and assistance in the response to RFIs, submittals, and monthly project progress summaries.</p>			
06/12 – 08/14	<p><b>MILNEBURG GROUP B RECONSTRUCTION, ORLEANS PARISH:</b> As an Engineering Intern, Mr. Pechon is currently assisting the project engineer in the construction administration of the reconstruction of the Milneburg Neighborhood in New Orleans. Responsibilities include construction management, document control, and meeting coordination. The roadway and utility improvements are located on various streets in the Milneburg Neighborhood Development. This project also includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project is also in coordination with Hard Rock Construction throughout the construction of the project.</p>			
09/17 – 11/17	<p><b>STATE STREET DRIVE RECONSTRUCTION, ORLEANS PARISH:</b> As an Engineering Intern, Mr. Gillen is currently assisting the project engineer in the design of the reconstruction of State Street Drive in New Orleans. Responsibilities include reviewing plans for water and sewer line connections. This project includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project also includes coordination with Batture Engineering for assisting in design.</p>			

16. Staff Experience:

09/17 – 05/18	<b>AUDUBON BLVD RECONSTRUCTION, ORLEANS PARISH:</b> As an Engineering Intern, Mr. Pechon is currently assisting the project engineer in the design of the reconstruction of Audubon Blvd in New Orleans. Responsibilities include cost estimating, design, and drafting. This project includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project also includes coordination with Batture Engineering for assisting in design.
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## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	Brent French, P.E.	Years of relevant experience with this employer	9
Title	Civil Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2011 / Civil Engineering MS / 2013 / Engineering
Active registration number / state / expiration date			41139 / LA / 3/31/2023
Year registered	2016	Discipline	Civil Engineer
Contract role(s)/brief description of responsibilities			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 time specified in the applicable MPR(s).		
02/14 – 04/19	<b>JPPW NO. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Civil/Structural Engineer for this project, Mr. French assisted the project engineering with conducting a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); performing a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure; and submitting a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI was responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, DEI's responsibility was to provide full time resident inspection and testing services during construction.		
05/08 – 12/16	<b>SP NO. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION (ON AND OFF RAMP FOR PETERS ROAD):</b> Civil/Structural Engineer for this project, Mr. French assisted with the design to demolish a portion of the existing service road and the relocation of the service road to accommodate the new ramps to be constructed under Phase 1B of this project. The work included the relocation of existing utilities, including water mains and appurtenances, gas lines, as well as overhead and below ground power lines; the construction of storm drain pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters, concrete driveways and concrete sidewalks. Mr. French was responsible for logging all communications and disseminating the appropriate construction documentation to the correct responding consultant.		
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&amp;I):</b> Civil Engineer for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I duties included organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection included observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.		
04/19 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY. TO LAPALCO):</b> Civil/Structural Engineer for this project, Mr. French was assigned as the project engineer for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols were also included. Mr. French's responsibilities were responding to RFIs, performing periodic site visits, considering and negotiating change orders, and attending project meetings.		

16. Staff Experience:

05/19 – 08/20	<b>DOTD SP NO. H011798.6: AIRLINE PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON):</b> Civil/Structural Engineer for this project, Mr. French is assigned as the project engineer for the construction of 0.390 miles of roadway which includes grading, drainage structures, milling asphalt pavement, pavement patching, class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Concrete Pavement, Cofferdams, storm water pumping station and related work. Pavement striping, signs, and legends and symbols are also included. Mr. French's responsibilities are responding to RFIs, performing periodic site visits, considering and negotiating change orders, and attending project meetings.
09/16 – 02/17	<b>DOTD SP NO. H.007277: LAKE FOREST BOULEVARD:</b> Civil/Structural Engineer for this project, Mr. French is assigned as the project engineer for the construction of approximately 638 LF of Portland Cement Concrete Pavement with barrier curb, barrier rails and retaining wall, including drainage pipes and structures and tie-in to the existing Westbound concrete pavement at Lake Forest Boulevard. Also, approximately 624 LF of the existing Eastbound asphaltic concrete pavement on Lake Forest Boulevard was removed by milling and overlaid with 2" asphaltic concrete wearing course to develop a 2.5% cross slope. Pavement striping, signs, and legends and symbols are included.

## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.				
Name	John Karlin, SE, PE	Years of relevant experience with this employer	4		
Title	Structural Engineer	Years of relevant experience with other employer(s)	0		
Degree(s) / Years / Specialization			MS / 2017 / Civil (Structural) Engineering BS / 2016 / Civil Engineering		
Active registration number / state / expiration date			PE: 44795 / LA / 3/31/2023 – SE: 081-008511 / IL / 2022		
Year registered	2020	Discipline	Professional Civil Engineer / Structural Engineer		
Contract role(s)/brief description of responsibilities			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 time specified in the applicable MPR(s).				
12/18 – 7/20	<b>GNOEC No. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&amp;I):</b> Engineer Intern for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.				
09/17 – 11/19	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Structural Engineer for this project, Mr. Karlin assisted the project engineer with conducting a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); perform a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure; and submit a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI is responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, and drainage system. Additionally, it is DEI's responsibility to provide full time resident inspection and testing services during construction.				
12/21 - Ongoing	<b>PONO WO NO. 1-1091: NASHVILLE “A” WHARF FRONT APRON SUBSTRUCTURE REPAIRS:</b> Structural Engineer for this project, Mr. Karlin perform a detailed inspection of all piles, bracing, wharf concrete deck, and other structural components in accordance with ASCE MOP No. 130 -“Waterfront Facilities Inspection and Assessment”. Using information gathered from the document review and field inspection, DEI will prepare and submit a substructure report detailing pile/bracing/deck conditions, load ratings, and recommendations for potential repairs. During construction Mr. Karlin will review all submittals and shop drawings associated with procurement and/or construction contracts, perform periodic site visits during construction, attend construction progress meetings and other meetings as needed during construction, participate in final inspection of the project and prepare punch list, review contractor pay applications and provide recommendations.				

16. Staff Experience:

06/18 – 08/20	<b>PONO NO. 083622: ST. ANDREW STREET WHARF EROSION MITIGATION PROJECT, PORT OF NEW ORLEANS, LA:</b> Mr. Karlin was the Structural Engineer for this project. This project encompassed the construction of an approximately 1600-foot-long and 50-foot-deep steel sheet pile wall with a reinforced concrete pile cap along the roadway side of the St. Andrew Street Wharf and associated roadway construction. Mr. Karlin reviewed all submittals and shop drawings associated with procurement and/or construction contracts, performed periodic site visits during construction, attend construction progress meetings during construction, participate in final inspection of the project and prepared a punch list, reviewed contractor pay applications and provided recommendations.
08/20 - Ongoing	<b>DOTD SP No. H.013897: I-10 &amp; I-12 COLLEGE DR. FLYOVER RAMP:</b> Mr. Karlin is the Structural Engineer for this project which consist of New College Drive ramp structure over existing I-12 that is geometrically compatible with existing mainline and ramp geometry, Widening of the I-10 West structure over Ward Creek or construction of a new structure to accommodate the new College Drive exit ramp and Rehabilitation and preservation of the I-10 West over Ward Creek bridge.


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	Mahesh (Max) Shukla, P.E.	Years of relevant experience with this employer	35
Title	Structural Engineer	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization			BS / 1960 / Civil Engineering MS / 1969 / Civil Engineering
Active registration number / state / expiration date			17008 / LA / 03/31/2023
Year registered	1978	Discipline	Civil Engineer
Contract role(s)/brief description of responsibilities			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 time specified in the applicable MPR(s).		
05/08 – 12/16	<b>SP No. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION (ON AND OFF RAMPS FOR PETERS ROAD):</b> Mr. Shukla was the structural engineer for the demolition of a portion of the existing service road and the relocation of the service road. The work includes the relocation of existing utilities, including water mains and appurtenances, gas lines, as well as overhead and below ground power lines; the design and layout of storm drain pipes and manholes; the extension of the existing reinforced concrete box culvert; the design of the roadway geometric layout for the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters, concrete driveways and concrete sidewalks. Mr. Shukla was responsible for designing slab spans and curtain walls, checking shop drawings and answering RFIs during construction.		
02/14 – 04/19	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Mr. Shukla is the structural engineer for this project which consist of providing structural inspection, analysis, and load rating of this 1950s era bridge structure. DEI was hired for the conceptual planning, schematic design, preliminary plans, final plans and construction engineering. This project is a primary interchange for Jefferson Parish connecting 3 major arteries (Airline Highway, Metairie Road, and Causeway Blvd).		
04/14 – 12/19	<b>JPPW No. 2013-033-RB: SOUTHBOUND CAUSEWAY BLVD. AT 17TH STREET INTERCHANGE IMPROVEMENTS:</b> Mr. Shukla is the structural engineer for this project which includes providing preliminary and final plans for the improvements to the interchange. This project is a heavy bridge addition that will connect to the existing interstate interchange easing the flow of traffic from the Causeway Bridge onto I-10.		
06/12 – 08/14	<b>BR No. 12-BT-P-0020: MULTIPLE BRIDGE REPLACEMENTS NO. 2 FLANACHER ROAD (A), FLANACHER ROAD (B) AND BARNETT ROAD:</b> Mr. Shukla was the Structural Engineer assisting the project engineer on this project which included the design and construction of the replacement of three (3) existing bridge structures located on a rural collector road in Zachary, LA. The design is in accordance with LADOTD Roadway Design Procedures and Details Manual, LA DOTD Hydraulic Manual and Federal Aid Off-System Highway Bridge Program Guidelines. DEI is responsible for the preparation of the hydraulic study to determine the type of replacement structure, preliminary design, final design, construction administration and resident inspection. Due to the age of the existing structures, the horizontal and vertical alignment of the roadway was not in accordance with AASHTO “Green Book”, 2011 standards, so DEI had to make vertical and horizontal modifications to the alignment of the roadway. DEI is also coordinating and managing the geotechnical and surveying sub-consultants during the entire design process. DEI is also providing the client with cost estimates and permit sketches as required by federal, state and local authorities.		

16. Staff Experience:

05/95 – 07/97	<b>NEW ORLEANS LAKEFRONT AIRPORT BRIDGES (3), FLOODWALLS, FLOODGATE AND ROADWAY EAST APPROACH BRIDGE, NEW ORLEANS, LA (ORLEANS LEVEE DISTRICT):</b> Mr. Shukla served a structural for this project which included the design and construction of a 2000 LF elevated roadway and bridge over the Louisiana and Arkansas Railroad Tracks in New Orleans, LA. connecting Hayne Blvd., a state highway, to South Shore Harbor Blvd. The elevated roadway and bridge were designed using LaDOTD design criteria and standards. The design included use of Type II and Type III girders, and column bents resting on footings supported by 80 ft. long prestressed concrete piling. Straddle bents were used to provide required railroad clearance.
02/96 – 11/97	<b>NEW ORLEANS LAKEFRONT AIRPORT BRIDGES (3), FLOODWALLS, FLOODGATE AND ROADWAY WEST APPROACH BRIDGE, NEW ORLEANS, LA (ORLEANS LEVEE DISTRICT):</b> Mr. Shukla served a structural for this project which included the design and construction of a 4000 LF overpass/bridge system carrying Leon C. Simon Blvd. over Downman Road and the Louisiana and Arkansas Railroad to connect with Hayne Blvd., a state highway. The design included use of Type II and Type III girders, and column bents resting on footings supported by 80 ft. long prestressed concrete piling. Straddle bents were used to provide required railroad clearance. The work was designed using LaDOTD design criteria and standards.


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	Jay Rafferty	Years of relevant experience with this employer	3	
Title	Construction Manager	Years of relevant experience with other employer(s)	27	
Degree(s) / Years / Specialization			Southeastern Louisiana University, Industrial Technology 1993 – 1997, Troxler Radiation Safety and Nuclear Testing Equipment Course 8/17/10, Army Corps of Engineers Construction Management Quality Course 11/2/12 Supervisor Compliance Training Department, Supervisor Course 6/6/14, Completed ATSSA Work Zone Traffic Control Technician, Supervisor, and Flagger	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Construction Manager	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
02/19 – 04/23	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Mr. Rafferty is the Construction Manager for this project which includes the rehabilitation of Ramps 6, 7, and overpass of Causeway Boulevard Overpass at Airline Drive. The resident inspection includes observation of construction activities for structure jacking, span movement, reinforced concrete riser construction, girder strengthening, bridge deck joint sealing, epoxy-urethane overlay, and bridge drainage rehabilitation. Mr. Rafferty’s responsibilities for this project is to make sure the resident inspectors are preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and is attending all the progress meetings. He is also overseeing that the resident inspector is writing in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.			
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS:</b> Mr. Rafferty provided resident inspection for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. Construction Administration included organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial pay estimates. Resident Inspection included observation of construction activities (e.g., 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.			
06/18 – 08/20	<b>PONO NO. 083622: ST. ANDREW STREET WHARF EROSION MITIGATION PROJECT, PORT OF NEW ORLEANS, LA:</b> Mr. Rafferty was the Construction Inspector for this project. This project encompassed the construction of an approximately 1600-foot-long and 50-foot-deep steel sheet pile wall with a reinforced concrete pile cap along the roadway side of the St. Andrew Street Wharf and associated roadway construction. Mr. Rafferty was responsible for preparing daily reports, inspecting the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attending all project meetings.			

16. Staff Experience:

03/21 – 07/22	<b>DOTD SP NO. H.007276.6: MAGAZINE ST. (LEAKE AVE TO EAST DRIVE) (CE&amp;I):</b> Mr. Rafferty is the Construction Manager for this roadway rehabilitation project consisting of removal of existing pavement, excavation/embankment, base course, PCC paving, drainage structures, concrete curb, sidewalks & handicap ramps, water & sewer lines, pavement markings, and related work. Mr. Rafferty's responsibilities for this project is to make sure the resident inspector is preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and is attending all the progress meetings. He is also overseeing that the resident inspector is writing in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor. The entire construction contract administration and construction engineering and inspection for this project is managed through LaDOTD SiteManager.
05/06 – 05/12	<b>USACE NO. WBV-07: PLANTERS PUMP STATION:</b> Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for more than fifty (50) field personnel. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. He was responsible for interviewing, training, drug screening, background checking, hiring, and termination of field personnel.
02/13 – 05/18	<b>USACE NO. LPV 04.2 &amp; 2B LPV 05.2B: ST. CHARLES LEVEE REACH 1A LPV 04.2 &amp; 2B LPV 05.2B:</b> Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for fifty (50) plus employees. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. Mr. Rafferty's responsibilities included interviewing, training, drug screening, background checking, hiring, and termination of field personnel.
01/08 – 06/14	<b>USACE NO. LPV 149: HURRICANE AND STORM DAMAGE RISK REDUCTION PROGRAM – FLOODWALL LPV 149:</b> Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for fifty (50) plus employees. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. Mr. Rafferty's responsibilities included interviewing, training, drug screening, background checking, hiring, and termination of field personnel.

## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.			
Name	Jeffery Monfrey	Years of relevant experience with this employer	3	
Title	Certified Inspector	Years of relevant experience with other employer(s)	26	
Degree(s) / Years / Specialization			Certifications: LaDOTD Structural Concrete Inspector, Embankment and Base Course Inspector, PCC Paving Inspector, and Asphalt Paving Inspector/Technician. Bridge Inspector's Training Course. ATSSA Work Zone Traffic Control Supervisor, Technician, and Flagger	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Certified Inspector (MPR 5)	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
02/19 – 04/23	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Mr. Monfrey is providing resident inspector for this project which includes the rehabilitation of Ramps 6, 7, and overpass of Causeway Boulevard Overpass at Airline Drive. Mr. Monfrey's responsibilities included the observation of construction activities for structure jacking, span movement, reinforced concrete riser construction, girder strengthening, bridge deck joint sealing, epoxy-urethane overlay, and bridge drainage rehabilitation. Mr. Monfrey is preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and is attending all the progress meetings. He is also writing in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.			
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS:</b> Mr. Monfrey provided resident inspection for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. Construction Administration included organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial pay estimates. Resident Inspection included observation of construction activities (e.g., 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.			
01/11 - 12/15	<b>LAKE PONTCHARTRAIN CAUSEWAY BASCULE CONTROL SYSTEM REPLACEMENT, GNOEC, ST. TAMMANY AND JEFFERSON PARISHES, LA:</b> Mr. Monfrey was the Mechanical Inspector for this project. This project consisted of designing a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. Mr. Monfrey performed inspection of the control system to make sure it retained all mechanical interlocks as well as operating procedural interlocks.			
06/95 – 08/06	<b>DOTD BRIDGE INSPECTIONS DISTRICT WIDE:</b> Mr. Monfrey was the lead inspector that supervised a team of inspectors performing Inspection of bridge substructures (piers, columns, etc.), superstructure (girders, trusses, etc.) and decking (roadway surface, bridge rails, etc.) and to repair and/or replace bridges for all fixed and moveable bridges (On & Off Systems) for the entire District 02 area in Louisiana.			

**16. Staff Experience:**

04/19 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY TO LAPALCO):</b> Mr. Monfrey provided construction inspection for the construction of 0.648 miles of roadway which includes 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter. This project included Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Mr. Monfrey's responsibilities included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time.
05/15 – 12/18	<b>DOTD SP NO. H.009479: WEST LAROSE VERTICAL LIFT BRIDGE REHABILITATION, ROUTE LA 1, LAFOURCHE PARISH, LA.:</b> Mr. Monfrey was the lead inspector for the traffic control, structural repairs, and SiteManager for this project. He coordinated the painting and environmental operations as the lead inspector.
03/14 - 06/14	<b>DOTD SP NO. H.009328: MISSISSIPPI RIVER BRIDGE CLEANING, SPOT PAINTING AND REPAIRS, I-10, LA.:</b> Mr. Monfrey was the lead inspector for the traffic control, structural repairs, and SiteManager for this project. He coordinated the painting and environmental operations as the lead inspector.
10/07 - 02/13	<b>DOTD SP NOS., 006-01-0012, 003-01-0018, 006-01-0021, 006-01-0022: HUEY P. LONG BRIDGE WIDENING, JEFFERSON PARISH, LA.:</b> Mr. Monfrey was a Senior Bridge Inspector assigned to the Huey P. Long Bridge widening projects. He supervised the inspection of structural steel erection and bolting, structural concrete construction, embankment and base course construction, concrete paving, and asphaltic concrete paving.

## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	Wayne "Dickie" Lemoine	Years of relevant experience with this employer	12
Title	Certified Inspector	Years of relevant experience with other employer(s)	39
Degree(s) / Years / Specialization			Certified LaDOTD Structural Concrete Inspector and ATSSA Work Zone Traffic Control Supervisor, Technician, and Flagger.
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities			Certified Inspector
Experience dates (mm/yy--mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).		
02/19 – 04/23	<b>JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE:</b> Mr. Lemoine is providing resident inspector for this project which includes the rehabilitation of Ramps 6, 7, and overpass of Causeway Boulevard Overpass at Airline Drive. Mr. Lemoine's responsibilities included the observation of construction activities for structure jacking, span movement, reinforced concrete riser construction, girder strengthening, bridge deck joint sealing, epoxy-urethane overlay, and bridge drainage rehabilitation. Mr. Lemoine is preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and is attending all the progress meetings. He is also writing in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.		
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&amp;I):</b> Lead Resident Inspector for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. Construction administration included organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection included observation of construction activities (e.g., 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.		
06/95 – 08/06	<b>DOTD BRIDGE INSPECTIONS DISTRICT WIDE:</b> Mr. Lemoine was the lead Maintenance and Mechanical Supervisor for Moveable and Fix Bridges. Mr. Lemoine was the lead inspector who supervised a team of inspectors performing the inspection of bridge substructures (piers, columns, etc.), superstructure (girders, trusses, etc.) and decking (roadway surface, bridge rails, etc.) and to repair and/or replace bridges for all fixed and moveable bridges (On & Off Systems) in the entire District 02 area in Louisiana.		
9/13 – 6/16	<b>LA 70 MISSISSIPPI RIVER BRIDGE, PHASE II CE&amp;I, PAINTING INSPECTION, AND ENVIRONMENTAL MONITORING, ST. JAMES PARISH, LA.</b> Inspector for this project, Mr. Lemoine performed structural steel inspection, traffic control inspection, structural concrete repair inspection, and contract administration for the LA 70 Bridge over the Mississippi River. He coordinated the painting and environmental operations with SiteManager Reports and Daily Work Reports. This project included strengthen of steel members, repairing end dams and roadway joints, and painting of the steel approaches.		
11/07 – 02/13	<b>LOUISIANA TIMED PROGRAM (LTM), STATEWIDE, LA.:</b> Mr. Lemoine was an inspector assigned to the Huey P. Long Bridge widening project, where he managed and inspected the widening of the current bridge to include three 11-foot travel lanes in each direction with the addition of inside and outside shoulders. Instead of adding pier foundations for the main river bridge, the construction plans called for the widening of pier shafts above the existing caisson foundations and the addition of two new parallel trusses to accommodate the widened roadway along the main bridge. For the approaches, new parallel structures were built to accommodate the new roadways. The construction cost \$5.2B.		

16. Staff Experience:

06/16 – Ongoing	<b>SP NO. 706-99-0004, GNOEC#ER-0004: REPAIRS &amp; REPLACEMENT OF THE 9-MILE TURNAROUND SPANS ON LAKE PONTCHARTRAIN CAUSEWAY, ST. TAMMANY AND JEFFERSON PARISHES, LA.:</b> Mr. Lemoine was the inspector on the pile driving and structural concrete placement. He maintained all the SiteManager records and performed the sampling and testing for concrete placements on the decks. The project cost \$2M.
10/18 – 06/19	<b>SUNSHINE BRIDGE, DONALDSONVILLE, LA:</b> Mr. Lemoine performed inspection on repairs to the expansion joints on the Sunshine Bridge. Mr. Lemoine also inspected the placement of epoxy in the roadway repair. He was responsible for preparing daily report and attend all project meetings. Mr. Lemoine also reviewed and processed Contractors' invoices.
06/17 – Ongoing	<b>CAUSEWAY BRIDGE, METAIRIE, LA:</b> Mr. Lemoine was the Senior Bridge Inspector and coordinator with the Greater New Orleans Expressway Commission. Mr. Lemoine inspected the installation of the dynamic boards at the Causeway bridge. He also inspected the reconstruction of the electrical system of the North Toll Plaza Building and inspected the reconstruction of the exit road and parking lot at the North Toll Plaza.

## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	Jeffrey Puissegur	Years of relevant experience with this employer	10
Title	Certified Inspector	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization	Associates of Arts, Business Management, Tulane University Bachelor of Arts, Major in Business Management, Minor in Arts & Business, Tulane University Certifications: LaDOTD Embankment and Base Course Inspector, ATSSA Work Zone Traffic Control Technician, Supervisor, and Flagger		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities	Certified Inspector		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
03/21 – 07/22	<b>DOTD SP NO. H.007276.6: MAGAZINE ST. (LEAKE AVE TO EAST DRIVE) (CE&amp;I):</b> Mr. Puissegur was the Resident Inspector for this roadway rehabilitation project consisting of removal of existing pavement, excavation/embankment, base course, PCC paving, drainage structures, concrete curb, sidewalks & handicap ramps, water & sewer lines, pavement markings, and related work. Mr. Puissegur is preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and is attending all the progress meetings. Further, Mr. Puissegur is writing in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor. The entire construction contract administration and construction engineering and inspection for this project is managed through LaDOTD SiteManager.		
05/19 – 08/20	<b>DOTD SP NO. H011798.6: AIRLINE PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON):</b> Mr. Puissegur was the Resident Inspector for the construction of 0.390 miles of roadway which includes grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, storm water pumping stations, and related work on Airline Park Boulevard from north of its intersection with Camphor St. to its junction with W. Napoleon Ave. Mr. Puissegur prepared daily reports which are recorded through LaDOTD SiteManager, inspected the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and attended all the progress meetings. Further, Mr. Puissegur wrote in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.		
09/16 – 02/17	<b>DOTD SP NO. H.007277: LAKE FOREST BOULEVARD:</b> Mr. Puissegur was the Resident Inspector for the construction of approximately 638 LF of Portland Cement Concrete Pavement with barrier curb, barrier rails and retaining wall, including drainage pipes and structures, as well as tie-in to the existing Westbound concrete pavement at Lake Forest Boulevard. Also, approximately 624 LF of the existing Eastbound asphaltic concrete pavement on Lake Forest Boulevard was removed by milling and overlaid with 2" asphaltic concrete wearing course to develop a 2.5% cross slope. Pavement striping, signs, and legends and symbols are included. Mr. Puissegur prepared daily reports which are recorded through LaDOTD SiteManager, inspected the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and attended all the progress meetings. Further, Mr. Puissegur wrote in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.		
01/13 – 04/16	<b>JPPW NO. 3010-047: JEFFERSON PARISH SUBMERGED ROADWAYS PROGRAM:</b> Resident Inspector for damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-five (85) concrete streets and eight (8) miles of asphalt roadway repair within Council District 3. Design Engineering's responsibilities included Site Evaluations, Preliminary Plans, Final Plans, Construction Administration, and Resident Inspection. During site evaluations, DEI noted settlement and surface condition and verified the degree and severity of damage described in FEMA Project Work Sheets. Considerations during the design phase were tree root impacts on the existing roadway, addition and/or repair of sidewalks, driveways and handicap ramps, and adjustment of all drainage structures within the roadway limits. Mr. Puissegur prepared daily reports through LaDOTD SiteManager, inspected the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attended all project meetings.		

16. Staff Experience:

01/08 – 09/14	<b>JPPW 2007-012-PS-PH.3B: AIRLINE DRIVE DRAINAGE CROSSING ST. PETER'S DITCH:</b> Resident Inspector responsible for the quality assurance in the construction of 365 feet of drainage improvements adjacent to and across Airline Drive, including the construction of large drainage junction boxes, micro-tunneling or hand tunneling large diameter drain line across Airline Drive, reinforced concrete box culverts and transition structures. Mr. Puissegur prepared daily reports through LaDOTD SiteManager, inspected the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attended all project meetings.
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## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	Justin Duncan	Years of relevant experience with this employer	2
Title	Inspector	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			Certified ATSSA Work Zone Traffic Control Technician, Supervisor, and Flagger Course
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities			Resident Inspector
Experience dates (mm/yy--mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).		
04/19 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY TO LAPALCO):</b> Mr. Duncan provided construction inspection for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter. This project included Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Mr. Duncan's responsibilities included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time.		
06/08 – 10/08	<b>MANHATTAN BLVD.:</b> Mr. Duncan was the Construction Inspector for this project. Mr. Duncan's responsibilities included overseeing construction operations, including asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, Embankment, Base Course material, and Excavation. Justin was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing SiteManager every day. Justin would generate each monthly estimate and do change orders when needed by the P.E.		
01/09 – 02/12	<b>EARHART BLVD.:</b> Justin Duncan was responsible for overseeing construction operations, including asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, Embankment, Base Course material, and Excavation. Justin was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing SiteManager every day. Justin would generate each monthly estimate and do change orders as needed.		
01/08 – 06/14	<b>TCHOUPITOU LAS ST.:</b> Mr. Duncan was the Construction Inspector for this project. Mr. Duncan's responsibilities included overseeing construction operations, including asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, Embankment, Base Course material, and Excavation. Justin was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing SiteManager every day. Justin would generate each monthly estimate and do change orders when needed by the P.E.		
06/08 – 10/08	<b>HARRISON AVE. (SUBMERGE ROAD PROGRAM):</b> Justin Duncan worked as a Construction Field Inspector and Office Manager and was responsible for all field reports, quantities books, and SiteManager inputs that included daily reports, quantities, stockpile material, and change orders. Justin Duncan also was responsible for overseeing construction operations including asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, Embankment, Base Course material, and Excavation.		
06/08 – 10/08	<b>ROBERT E. LEE. (SUBMERGE ROAD PROGRAM):</b> Justin Duncan worked as a Construction Field Inspector and Office Manager and was responsible for all field reports, quantities, books, and SiteManager inputs that included daily reports, quantities, stockpile material, and change orders. Justin Duncan also was responsible for overseeing construction operations, including asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, Embankment, Base Course material, and Excavation.		


## 16. Staff Experience:

Firm employed by	Design Engineering, Inc.		
Name	Gerald Grantadam	Years of relevant experience with this employer	3
Title	Inspector	Years of relevant experience with other employer(s)	43
Degree(s) / Years / Specialization	Certified in LADOTD Portland Cement Concrete Pavement Inspector/ Technician, LADOTD Asphaltic Concrete Paving, LADOTD Structural Concrete Inspector, ATSSA Traffic Control Supervisor, Technician, and ATSSA Traffic Control and Flagger.		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities	Resident Inspector		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
12/18 – 7/20	<b>GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS:</b> Mr. Grantadam was a Resident Inspector for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.		
2010 - 2011	<b>DOTD S.P NO. 713-36-0101: HARRISON AVENUE BRIDGES OVER BAYOU ST JOHN, ORLEANS PARISH:</b> Mr. Grantadam provided construction inspection services for two slab span bridges over Bayou St. John. Work included grading, Class II base, cold planning, superpave asphaltic concrete pavement, approach slab, sidewalks, and related work. Scope of work includes demolishing existing eastbound and westbound bridges; relocating utilities; drainage excavation of Bayou St. John; driving 14” pre-cast concrete piles at wing walls; driving 16” pre-cast concrete pile under bridge substructure; installing cast-in-place concrete eastbound and westbound bridges; pouring four concrete approach slabs; remove existing roadway; pouring concrete roadway/sidewalks; grade embankment; and seeding/fertilizing.		
2008 - 2011	<b>DOTD SP NO. 713-38-0001: DOULLUT CANAL SWING BRIDGE, PLAQUEMINES PARISH, LA (CE&amp;I):</b> Mr. Grantadam provided construction inspection for construction of a movable bridge over Doullut Canal to replace an existing bridge. This 150-foot unequal arm steel swing girder bridge with concrete bridge piers and concrete slab span approaches is operated by dual hydraulic motors and provides access to Highway 11. The project also included construction of a cofferdam.		
11/07 – 02/13	<b>HUEY P. LONG BRIDGE CONCRETE DECK REPAIR, JEFFERSON PARISH, LA:</b> Mr. Grantadam provided construction inspection services to the Huey P. Long Bridge widening project, where he managed and inspected the widening of the current bridge to include three 11-foot travel lanes in each direction with the addition of inside and outside shoulders. Instead of adding pier foundations for the main river bridge, the construction plans called for the widening of pier shafts above the existing caisson foundations and the addition of two new parallel trusses to accommodate the widened roadway along the main bridge. For the approaches, new parallel structures were built to accommodate the new roadways. The construction cost \$5.2B.		

16. Staff Experience:

10/18 – 03/20	<b>DOTD SP NO. H007271.6: CANAL BOULEVARD (ROBERT E. LEE – AMEHTYST):</b> Mr. Grantadam provided construction inspection for the reconstruction of an existing four (4) lane divided boulevard. This project includes grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, stormwater pumping station, pavement striping, sign and legends and symbols. Mr. Grantadam's responsibilities include maintaining all construction field records; make daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time.
2005 - 2006	<b>DOTD SP NO. 742-26-0030: LAPALCO BOULEVARD IMPROVEMENTS (US 90 TO SEGNETTE):</b> Mr. Grantadam provided construction inspection for improvements to Lapalco Blvd. between US 90 and Segnette Blvd. This project involved cold planning and overlay of an existing two-lane roadway and construction of a new two-lane asphalt concrete roadway. Scope of new roadway included embankment, grading, Class II base, asphaltic concrete binder and wearing courses, utilities, drainage, traffic signals, striping, etc.
2009 - 2011	<b>DOTD SP NO. 742-36-10123: WOODLAND DRIVE REHABILITATION:</b> Mr. Grantadam provided construction inspection for this project which involved removal of existing road, grading, drainage structures, class II base course, PCC pavement, sidewalks, driveways, sewer system, water system, pavement markings and related work on a section of Woodland Drive between General DeGaulle Drive and Tullis Drive in Orleans Parish.


## 16. Staff Experience:

Firm employed by	G.E.C., Inc.			
Name	Brian Buckel, P.E.	Years of relevant experience with this employer	9	
Title	Senior Vice President, Construction	Years of relevant experience with other employer(s)	35	
Degree(s) / Years / Specialization			BS / 1981 / Civil Engineering	
Active registration number / state / expiration date			21816 / Louisiana / 09-30-2023	
Year registered	1985	Discipline	Civil	
Contract role(s)/brief description of responsibilities			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 time specified in the applicable MPR(s).			
44 years of experience	Mr. Buckel joined GEC 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. Additionally, he served as district construction engineer for seven years, managing the seven parishes under District 02. Mr. Buckel served as an area engineer throughout the state of Louisiana for a seven years and was a project engineer in the New Orleans area for several years. As Chief Construction Engineer, he directed policy implementation, testing, and inspection of all asphalt pavement construction state wide. Building on his asphalt mix and laydown experience as project engineer and District Construction Engineer, he led the state into significant asphalt pavement innovations such as Superpave and warm mix. He has a working knowledge of major construction in urban areas, the constraints on operations, the control of traffic and public safety, the maintenance of traffic, and contract time with LADOTD's CPM method.			
09/12 - Present	<b>East Baton Rouge City Parish Street and Road Rehabilitation Program (DPW Project No. 15-CEST-0001), East Baton Rouge Parish, LA – Project Engineer:</b> 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.			
05/17 - 2018	<b>LADOTD Retainer Contract #4400004729; H.003014: I-10: LA 347 to Atchafalaya Floodway Bridge Route; St. Martin Parish, LA – Project Engineer:</b> Mr. Buckel was Project Engineer for this project. The project 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 would also be installed. Post construction, eastbound I-10 would 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 would 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.			
09/20 - 12/21	<b>I-10 Service Road Bridge Replacement, Slidell, LA – Construction Engineer:</b> This project includes the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal and 5 span 100 feet long slab span bridge with 30-degree skew over French Branch Canal. Mr. Buckel oversaw the construction engineering and inspection for this project.			

## 16. Staff Experience:

09/12 - 01/18	<b>Submerged Roads Program, Jefferson Parish, LA – Project Engineer:</b> This project consists of design, construction administration and resident inspection of a Streets Improvement Program for specific projects located throughout Council Districts 1, 2, and 5 in Jefferson Parish. Cost: \$43M (construction)
03/17 - Present	<b>LADOTD Retainer Contract #4400004729; H.003003: I-10: LA 328 to I-49 Jct.; Lafayette and St. Martin Parish, LA – Project Engineer:</b> Presently Mr. Buckel is Project Engineer for this project. The project includes full-depth replacement of the pavement within the existing lanes, widening the westbound and eastbound pavement surface, and installing concrete median protection. The project replaces the La 328 overpass and widens the overpasses and structures on Bayou Teche, Vermillion River, Louisiana Avc, Francis Coulee and La 176 (Moss St). Pavement striping, raised markers, and rumble strips would also be installed.
2019 - Present	<b>I-10/Loyola Interchange Improvements, Jefferson Parish, LA – Principal-in-Charge:</b> 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. Buckel is providing assistance, support, and constructability review to the LADOTD Project Manager to verify that the requirements of the contract documents are met.
09/12 - 09/13	<b>Audubon Drive Street Improvements, Slidell, LA – Project Engineer:</b> The project consists of removing the asphalt on the concrete roadway and replacing it with concrete, installing new curbs, installing ADA handicap ramps, and installing portions of new sidewalk. New drainage will also be included in this project. Mr. Buckel managed the construction engineering and resident inspection portion of this project.
05/15 - Present	<b>West Larose Vertical Lift Span Bridge Rehabilitation, Larose, LA – Principal-in-Charge:</b> Mr. Buckel provided project 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.
2008 - 2012	<b>I-10 and I-12 Widening Design Build Projects, East Baton Rouge, LA – Chief Construction Engineer:</b> Mr. Buckel, while serving as Chief Construction Engineer for the LADOTD, was deeply involved in developing the Department's Design-Build (D-B) specifications and worked on the first 3 D-B projects I-12 Widening O'Neal Lane to the Amite River (James Construction), I-12 Widening Amite River to Denham Springs (Gilchrist Construction) and I-10 Widening Siegen to Highland Road (Boh Bros. Construction). He attended weekly and monthly meetings, concerning QA and Contract Administration, along with providing administration of the D-B contacts and specifications.


## 16. Staff Experience:

Firm employed by	G.E.C., Inc.			
Name	James "Jimmy" Wheeler	Years of relevant experience with this employer	15	
Title	Senior ITS Inspector	Years of relevant experience with other employer(s)	13	
Degree(s) / Years / Specialization			SSPC C-5 Certification Completed 09/06/2018 SSPC C-3 Certification Completed 04/10/2014 ATSSA Flagger expires 08/2024 TCS Refresher Work Zone Last Updated 01/29/2021 NFPA 70 & 70E Certification Last Updated 05/2018	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Electrical Inspector (MPR 6)	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
28 years of experience	Mr. Wheeler is a Senior ITS Inspector at GEC with more than 28 years of experience and a wealth of electrical and ITS construction and implementation knowledge. He is the lead inspector for GEC on electrical, ITS, and associated construction projects and has experience with construction installation and operation including equipment maintenance, heavy equipment operation, installation of dynamic message signs and CCTV cameras with structures in both Louisiana and Texas, installation of bridge mounted conduit and junction boxes and underground conduit and pullboxes, installation of high mast lighting and roadway illumination, installation of electrical service points, installation of guard rail, installation of communication hub buildings, installation of fiber optic cable and splicing, traffic signal build out and commissioning, and setup and execution of lane closures.			
07/19 - Present	<b>S.P. No. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA – Electrical Inspector:</b> 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. Wheeler performs electrical inspection services.			
05/15 - Present	<b>West Larose Vertical Lift Span Bridge Rehabilitation, Larose, LA – Electrical Inspector:</b> Mr. Wheeler provided electrical inspection for the project which 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.			
01/11 - 12/15	<b>Lake Pontchartrain Causeway Bascule Control System Replacement, GNOEC, St. Tammany and Jefferson Parishes, LA – Electrical Inspector:</b> GEC designed a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. Mr. Wheeler located and tested circuits inside existing cabinets for proper voltage and tested conductors. He performed daily inspection of control systems and replaced existing controls as needed. He provided inspection and installation of CCTV equipment above and under the Bascule and installed AC units for cabinets.			
03/17 - Present	<b>LADOTD Retainer Contract #4400004729; S.P. No. H.003003 I-10: LA 328 to I-49 Jct., Lafayette and St. Martin Parish, LA – Electrical Inspector:</b> Presently Mr. Wheeler is Electrical Inspector for this project which includes full-depth replacement of the pavement within the existing lanes, widening the westbound and eastbound pavement surface, and installing concrete median protection. The project replaces the La 328 overpass and widens the overpasses and structures on Bayou Teche, Vermillion River, Louisiana Ave, Francis Coulee and La 176 (Moss St). Pavement striping, raised markers, and rumble strips would also be installed.			

## 16. Staff Experience:

04/14 - 02/16	<b>LADOTD Retainer Contract #4400003420 – Construction Engineering and Painting Inspection and Environmental Monitoring Statewide:</b> S.P. No. H.009480 – I-20 Ouachita River Bridge, Ouachita Parish, LA – On-Site Environmental Monitor: Mr. Wheeler collects pre-project soil samples; conducts air quality monitoring for TSP-Lead during construction; conducts visual assessments of contractor air emissions; observes contractor sample collection; ensures compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspects contractor compliance with worker training and safety requirements; documents waste shipments and water discharges; files daily reports; collects post-project soil samples.
01/14 - 11/15	<b>LADOTD Retainer Contract #4400003420 – Construction Engineering and Painting Inspection and Environmental Monitoring Statewide:</b> S.P. No. H.009104 – LA 70 Mississippi River Bridge Phase 2 (Main Span), St. James Parish, LA – On-Site Environmental Monitor: Mr. Wheeler collects pre-project soil samples; conducts air quality monitoring for TSP-Lead during construction; conducts visual assessments of contractor air emissions; observes contractor sample collection; ensures compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspects contractor compliance with worker training and safety requirements; documents waste shipments and water discharges; files daily reports; collects post-project soil samples.
05/08 – 10/13	<b>737-99-0799, Baton Rouge to New Orleans, ITS – Traffic Incident Management (TIM) Phase I, Route I-10-Bonnet Carré Floodway, Design Build Project, Statewide, LA – Electrical Inspector:</b> Mr. Wheeler was responsible for electrical inspection and reporting for this project. The project included Design and installation of ITS devices including ground and structure mounted Dynamic Message Signs (DMS), ground and structure mounted Closed Circuit Television Cameras (CCTV), structure mounted Traffic Detectors, underground and structure mounted conduit, power distribution, and wireless and fiber optic communications. Mr. Wheeler performed Quality Control inspection for the Design Build team.
06/10 – 08/11	<b>737-99-0604, Baton Rouge to Lafayette, ITS – Traffic Incident Management (TIM) Phase 2, Routes I-10, I-49, US 90, and US 190, Design Build Project, Statewide, LA – Electrical Inspector:</b> Mr. Wheeler was responsible for electrical inspection and reporting for this project. CE&I services for the installation of twenty four (24) CCTV, four (4) DMS detection, and wireless & fiber optic communications.
06/11 – 05/14	<b>H.006761, LADOTD Retainer #4400000688, Traffic Incident Management (TIM) Phase 3, Statewide, LA – Electrical Inspector:</b> Mr. Wheeler was responsible for electrical inspection and reporting for this project. CE&I for the construction and integration of twelve (12) new DMS sites, forty (40) CCTV sites (new and existing), two (2) new hub sites, eleven (11) RVD sites (new and existing) and thirty (30) miles of new fiber optic network backbone elements.
06/14 - 03/16	<b>LADOTD Retainer Contract #4400001765 – Construction Engineering and Painting Inspection and Environmental Monitoring Statewide:</b> S.P. No. H.009487 – LA 1 Atchafalaya River Bridge (Simmesport), Avoyelles Parish, LA – On-Site Environmental Monitor: Mr. Wheeler collects pre-project soil samples; conducts air quality monitoring for TSP-Lead during construction; conducts visual assessments of contractor air emissions; observes contractor sample collection; ensures compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspects contractor compliance with worker training and safety requirements; documents waste shipments and water discharges; files daily reports; collects post-project soil samples.


## 16. Staff Experience:

Firm employed by	G.E.C., Inc.			
Name	Beth Roberts, P.E.	Years of relevant experience with this employer	4	
Title	Construction Engineer	Years of relevant experience with other employer(s)	32	
Degree(s) / Years / Specialization			BS / 1985 / Civil Engineering	
Active registration number / state / expiration date			23630 / Louisiana / 03/31/2024	
Year registered	1990	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Construction Engineer (MPR 7)	
Experience dates (mm/yy--mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
36 years of experience	<p>Ms. Roberts worked for LADOTD for 34 years prior to joining GEC in 2017. She provides oversight and guidance in the area of material sampling and testing for construction projects. As SiteManager Materials Administrator from 1985-2018, she managed the statewide software system in addition to holding various positions. She was responsible for implementation of the SiteManager system, including maintaining/revising all data in the database, training all users, providing user support, advising inspectors/project engineers/lab engineers/technicians on use of SiteManager's Laboratory Information Management System (LIMS), developing training manuals, and developing the SiteManager Materials Intranet page. She served on the AASHTO Materials Technical Review Team (TRT) for the AASHTO Materials Technical Advisory Group, reviewed materials-based AASHTO Ticketed Modification Requests (TMRs) that were submitted to revise SiteManager to make sure they do not adversely affect DOTD's business processes in SiteManager, created TMRs in order to make changes to SiteManager to better fit DOTD's business processes, reviewed all changes made to released versions of SiteManager, and recommended upgrading to a newer release. She tested new releases for errors prior to implementation.</p>			
05/17 - Present	<p><b>H.003003 / I-10, LA 328 to I-49 JCT., Lafayette and St. Martin Parishes, LA. Construction Engineer</b> - Ms. Roberts provides oversight and guidance in the area of material sampling and testing, sampling plan creation and management, and 2059 file management on this large interstate widening project that includes constructing new roadway and reconstruction of existing pavement for about seven (7) miles. This project will also widen or replace eight (8) structures along the interstate.</p>			
05/17 - Present	<p><b>H.003014 / I-10, LA 347 to Atchafalaya Floodway Bridge Route, St. Martin Parish, LA. Construction Engineer</b> - Ms. Roberts provides oversight and guidance in the area of material sampling and testing, sampling plan creation and management, and 2059 file management on this large interstate widening project that includes constructing new roadway and reconstruction of existing pavement for about four (4) miles. This project will also widen 2 structures and a portion of the westbound Atchafalaya Basin Floodway Bridge along the interstate.</p>			
05/17 - 06/17	<p><b>H.002281 / Big Bayou Sara Bridge Rehab, LA. Construction Engineer</b> - Ms. Roberts provides oversight and guidance in the area of material sampling and testing, sampling plan creation and management, and 2059 file management for this project that involves the complete removal and disposal of existing coatings and total painting of all steel of five 102.5' long pony trusses and five 40' long steel girder spans, from Bent No. 1 (Station 923+13.97) to Bent No. 5 (Station 916+01.55), concrete deck replacement, approach slab replacement, and related earthwork.</p>			

16. Staff Experience:

07/17 - 05/19	<b>H.009479 / West Larose Vertical Lift Span Bridge Rehabilitation, Lafourche Parish, LA. Construction Engineer</b> - Ms. Roberts provided oversight and guidance of material sampling and testing, sampling plan creation and management, and 2059 file management for this project that consists of the rehabilitation of the entire movable bridge including: construction of a new fender system, concrete structural repair, steel girder repairs, bearing replacement, cleaning, head removal, painting, sealing cracks, bolt replacement, and updating electrical and mechanical equipment.
09/19 - Present	<b>H.011670 / I-10/Loyola Interchange Improvements, Jefferson Parish, Louisiana. Construction Engineer</b> - 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). Ms. Roberts provides oversight and guidance in the area of material sampling and testing, sampling plan creation and management, and 2059 file management.


## 16. Staff Experience:

Firm employed by	G.E.C., Inc.			
Name	Reagan "Sean" Johnson	Years of relevant experience with this employer	13	
Title	Senior ITS Inspector	Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization			SSPC C-5 Certification Completed 09/06/2018 SSPC C-3 Certification Earned 01/13/2013 ATSSA Flagger expires 03/2023 TCS Refresher Work Zone Last Updated 02/2019	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			On-Site Environmental Monitor	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
36 years of experience	Mr. Johnson holds the position of ITS Technician and has over 30 years of experience in computing with skills in UNIX, Linux, and Windows 9xx/NT/2K/XP/ server. In addition, he possesses experience with a wide variety of information systems ranging from routing and switching, optical network design, Ethernet network design and management, CCTV video network design and configuration, and point-to-point and point-to-multipoint WAN connectivity. Mr. Johnson is well versed in fiber optic cable outside and inside plant design and handling practices. This includes OTDR analysis, optical budget calculation, cable specification, termination, and selective splicing methods. Mr. Johnson has expansive background in design, implementation, integration, and construction inspection.			
01/11 - 12/15	<b>Lake Pontchartrain Causeway Bascule Control System Replacement, GNOEC, St. Tammany and Jefferson Parishes, LA – Electrical Inspector:</b> GEC designed a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. Mr. Johnson performed inspection of the installation of new electrical components, PLC, operators control console and roadway lighting systems as well as the testing of these systems to assure that they met the requirements and specifications.			
08/17 - 04/18	<b>LADOTD Retainer Contract #4400001634 – Retainer Contract for Intelligent Transportation Systems (ITS) Statewide: S.P. No. H.011503 – I-10 Twin Spans ITS, Orleans and St. Tammany Parishes, LA – Electrical Inspector:</b> The project consisted of construction and integration of one (1) new DMS site, four (4) new CCTV sites, bridge mounted CCTV platforms, and integration into existing fiber optic backbone including new and existing conduit and associated pullboxes.			
10/15 - 08/16	<b>LADOTD Retainer Contract #4400005410 – Painting Inspection and Environmental Monitoring Statewide: S.P. No. H.000792 – District 08 Bridges (Five Locations), Avoyelles, Rapides, Sabine, and Vernon Parishes, LA – On-Site Environmental Monitor:</b> Mr. Johnson collects pre-project soil samples; conducts air quality monitoring for TSP-Lead during construction; conducts visual assessments of contractor air emissions; observes contractor sample collection; ensures compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspects contractor compliance with worker training and safety requirements; documents waste shipments and water discharges; files daily reports; collects post-project soil samples.			
09/15 - 11/16	<b>LADOTD Retainer Contract #4400005410 – Painting Inspection and Environmental Monitoring Statewide: S.P. No. H.003244 – District 04 Bridges (I-20 Bridge at Spring Street, Shreveport), Bossier, Caddo, DeSoto, and Webster Parishes, LA – On-Site Environmental Monitor:</b> Mr. Johnson collects pre-project soil samples; conducts air quality monitoring for TSP-Lead during construction; conducts visual assessments of contractor air emissions; observes contractor sample collection; ensures compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspects contractor compliance with worker training and safety requirements; documents waste shipments and water discharges; files daily reports; collects post-project soil samples.			


**16. Staff Experience:**

04/14 - 02/16	<b>LADOTD Retainer Contract #4400003420 – Construction Engineering and Painting Inspection and Environmental Monitoring Statewide: S.P. No. H.009480 – I-20 Ouachita River Bridge, Ouachita Parish, LA – On-Site Environmental Monitor:</b> Mr. Johnson collected pre-project soil samples; conducted air quality monitoring for TSP-Lead during construction; conducted visual assessments of contractor air emissions; observed contractor sample collection; ensured compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspected contractor compliance with worker training and safety requirements; documented waste shipments and water discharges; filed daily reports; collected post-project soil samples.
06/14 - 03/16	<b>LADOTD Retainer Contract #4400001765 – Construction Engineering and Painting Inspection and Environmental Monitoring Statewide: S.P. No. H.009487 – LA 1 Atchafalaya River Bridge (Simmesport), Avoyelles Parish, LA – On-Site Environmental Monitor:</b> Mr. Johnson collects pre-project soil samples; conducts air quality monitoring for TSP-Lead during construction; conducts visual assessments of contractor air emissions; observes contractor sample collection; ensures compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspects contractor compliance with worker training and safety requirements; documents waste shipments and water discharges; files daily reports; collects post-project soil samples.
01/14 - 11/15	<b>LADOTD Retainer Contract #4400003420 – Construction Engineering and Painting Inspection and Environmental Monitoring Statewide: S.P. No. H.009104 – LA 70 Mississippi River Bridge Phase 2 (Main Span), St. James Parish, LA – On-Site Environmental Monitor:</b> Mr. Johnson collected pre-project soil samples; conducted air quality monitoring for TSP-Lead during construction; conducted visual assessments of contractor air emissions; observed contractor sample collection; ensured compliance with specifications during hazardous waste and waste water collection, storage, disposal/discharge; inspected contractor compliance with worker training and safety requirements; documented waste shipments and water discharges; filed daily reports; collected post-project soil samples.


## 16. Staff Experience:

Firm employed by	G.E.C., Inc.			
Name	Daniel Mayeux	Years of relevant experience with this employer	6	
Title	Construction Inspector	Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			LADOTD Asphalt Concrete Paving Inspector Certification expires 02/2026 LADOTD Structural Concrete Inspector Certification expires 11/2025 Work Zone Training Completed 02/2018 ATSSA Flagger expires 10/2022	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Construction Inspector	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
20 years of experience	Mr. Mayeux has 20 years of experience providing construction inspection on State and local projects. He holds the following certifications: Asphaltic Concrete Paving, ATSSA TCS Refresher, ATSSA Flagger, Nuclear Device Operator, Authorized Density Tester			
07/17 - 05/18	<b>Sales Tax Street and Road Rehabilitation, East Baton Rouge Parish, LA – Construction Inspection:</b> On an as needed basis, Mr. Mayeux worked as an inspector for the EBR Street Rehabilitation Program. This inspection consists of asphalt paving, concrete patching and base course reconstruction. (DPW Project No. 15-CEST-0001)			
05/18 - present	<b>S.P. No. H.002281.6, Big Bayou Sara Bridge, LA. Lead Inspector:</b> Mr. Mayeux is responsible for observing and documenting the removal and replacement of the existing bridge for this 7.1-mile construction project.			
04/16 - 07/17	<b>S.P. No. H.009548, US 190, E. Baton Rouge Parish Line – W Jct. LA 16, East Baton Rouge Parish, LA. Lead Inspector:</b> Mr. Mayeux was the lead inspector responsible for observing and documenting the asphalt paving and roadway striping on this project.			
10/15 - 07/16	<b>S.P. No. H.008193.6, LA 3002 (LA 1034 – US 190) Route LA 3002: Denham Springs, LA – Lead Inspector:</b> Mr. Mayeux was the lead inspector responsible for observing and documenting the asphalt paving, concrete panel replacement, cracking sealing, and roadway striping on this project.			
05/20 - Present	<b>S.P. No. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA – Construction Inspection:</b> 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. Mayeux serves as an inspector on the project.			

## 16. Staff Experience:

Firm employed by	G.E.C., Inc.			
Name	Dwayne Lewis	Years of relevant experience with this employer	7	
Title	Construction Inspector	Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization			LADOTD Asphalt Plant Inspector Certification expires 03/2023 LADOTD Structural Concrete Inspector Certification expires 03/2024 Work Zone Training Completed 04/2018 ATSSA Flagger expires 06/2022	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Construction Inspector	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
13 years of experience	Mr. Lewis has 13 years of experience providing construction inspection on State and local projects. He holds the following certifications: Structural Concrete, Asphaltic Concrete Plant, ATSSA TCS Refresher, ATSSA Flagger, Authorized Field Tester			
07/17 - 01/19	<b>Sales Tax Street and Road Rehabilitation, East Baton Rouge Parish, LA – Construction Inspection:</b> On an as needed basis, Mr. Lewis worked as an inspector for the EBR Street Rehabilitation Program. This inspection consists of asphalt paving, concrete patching and base course reconstruction. Mr. Lewis can provide Asphalt Plant Inspection as per the sample contract requirements. Projects Mr. Lewis inspected under this program include: 16-06 Arbor Walk. (DPW Project No. 15-CEST-0001)			
05/17 - 05/20	<b>S.P. No. H.003014, I-10, LA 347 to Atchafalaya Floodway Bridge Route, St. Martin Parish, LA – Construction Inspection:</b> This 3.436 mile, \$52M westbound I-10 widening includes total reconstruction of the existing lanes both east and westbound, and widening of 4 structures. As the prime, GEC is providing all construction inspection services, including the professional engineer and office manager duties. Mr. Lewis is providing clearing and grubbing, median barrier, removal of bridges, drainage structures, subgrade layer, class II base course, asphaltic pavement, concrete pavement, drill shaft foundations, precast concrete piles, pre-stressed precast concrete girder span bridges, signage, lighting, and related work.			
05/15 - 10/16	<b>S.P. No. H.003107, I-10 from French Brach to West Pearl River, Route I-10, LA – Construction Inspection:</b> Mr. Lewis was responsible for asphalt plant inspection consisting of testing and inspection of plant operations, daily density testing, asphaltic mix validation, and reports.			
05/20 - Present	<b>S.P. No. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA – Construction Inspection:</b> 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. Lewis serves as an inspector on the project.			


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Michael Pugh, P.E.	Years of relevant experience with this employer	16	
Title	President	Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering	
Active registration number / state / expiration date			30911 / LA / 3-31-2024	
Year registered	2003	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Construction Oversight and Schedule Reviews	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
25+ years of experience	Mr. Pugh has over 20 years of experience in design and construction management of roadway and drainage systems. He started up and managed the St. Bernard Parish Roadway Restoration Program which has included the design, bidding, and construction management of 178 roadways with a construction value of nearly \$60M. He is a Registered Professional Engineer in 8 states, including Louisiana.			
02/15 - Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> Principal-in-charge and stamping design engineer for the Royal team contracted by St. Bernard Parish Government (SBPG) to provide Engineering Services for repairs, restorations and/or replacement of Parish owned roadway and canal crossings to their Pre-Katrina condition while preserving the historical value and intent of each facility and Engineering Services for replacement of 6 existing culverts with precast Con-Span structures. The projects also include concrete road reconstruction, utility relocations, and installation of sidewalks, drainage, infrastructure, and other incidentals.			
12/15 - 11/18	<b>SITE DESIGN FOR AN ALGIERS POINT SUBDIVISION: Orleans Parish, LA.</b> Principal-in-charge and design engineer providing oversight and design management of site/civil services for the design-build project developing a home complex in the West Bank of New Orleans in Algiers Point. The project will construct 51 single family residential buildings on approximately 4.5 acres of vacant land. Mr. Pugh is overseeing civil engineering services related to the overall site development such as geotechnical, civil and structural engineering for all roadways, utility design, pavement, sidewalks, site grading, public right of way access, erosion and sediment control measures, stormwater management features, lighting, and providing services related to required permitting.			
04/19 - Ongoing	<b>EAST HARDY BRIDGE DESIGN AND REPLACEMENT: New Orleans, LA .</b> Principal Engineer on the Royal team contracted to provide Engineering services for bridge design, layout, specifications and probable cost. The existing East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Petal, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund. Mr. Pugh participated in Design Reviews and served as Civil Engineering Subject Matter Expert.			
11/19 - ongoing	<b>FEMA ROADWAY RESTORATION PROGRAM: New Orleans, LA.</b> Principal Engineer on the Royal team contracted by the Department of Public Works (DPW) to provide construction management and resident inspection services for the FEMA Roadway Restoration Program. This project includes restoration of parish concrete and asphalt roadways and associated infrastructure (i.e., sidewalks, driveways, drainage, sewer, and water) that suffered damage during Hurricane Katrina. Construction services are being performed by multiple contractors under contract by DPW and overseen by Royal. Royal is providing all construction management, data management, reporting, platform deployment, quality assurance, administration, pay applications, and closeout services.			
09/19 - 03/20	<b>MAXPAVE ROADWAY PROGRAM: New Orleans, LA.</b> Principal Engineer responsible for interagency coordination, project management, contract administration, construction management, assessment, and resident inspection services for the CNO DPW and SWBNO combined utility rehabilitation initiative, which involves 50 to 75 service cuts weekly to conduct the needed point repairs to the sewer and water infrastructure. Ongoing, on-budget contract delivery; client service management; and civil engineering and utility impacts SME were Mr. Pugh's primary duties.			

16. Staff Experience:

03/07 - 10/09	<b>ROADWAY RESTORATION PROJECT: St. Bernard Parish, LA.</b> Lead Design Engineer and Project Principal responsible for engineering, design, and construction management services provided to the Parish for the restoration of all concrete and asphalt roadways, including associated infrastructure, including sidewalks, driveways, drainage, sewer, and water systems, that suffered damage during Hurricane Katrina and the recovery process. Mr. Pugh was the engineer in responsible charge for all design and served as the primary technical resource for contractor questions and challenges encountered during construction.
11/10 - 08/11	<b>BLOSKI AVENUE EXTENSION: Belle Chasse, LA.</b> Principal in Charge for this road construction project. Royal worked directly for the Naval Facilities Engineering Command Southeast as the prime contractor. This project consisted of the construction of an asphalt roadway for 1300 feet and included the construction of stormwater drainage, sidewalks, concrete driveways, and solar street lighting. Royal was also responsible for the development and maintenance of the Stormwater Pollution Prevention Plan (SWPPP), Environmental Protection Plan (EPP), Health & Safety Plan (HASP), and Accident Prevention Plan (APP).


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Carter O'Brien, P.E.	Years of relevant experience with this employer	3	
Title	Senior Project Manager	Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			BS / 2013 / Civil Engineering	
Active registration number / state / expiration date			43647 / LA / 3-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Construction Oversight and Schedule Reviews	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
11 years of experience	Mr. O'Brien is an Engineer with over 10 years of heavy civil, roadway, drainage, and bridge construction experience. Mr. O'Brien has managed field operations, inspectors, project documentation and closeout on numerous projects. He has completed road restoration and reconstruction projects for LADOTD, FEMA, and various other local agencies. He has extensively worked in asphalt paving, PCCP, catch basins, drainage, and sidewalk projects. Mr. O'Brien has significant experience preparing plans and specifications to in accordance with DOTD standards. <b>Certifications:</b> Traffic Control Supervisor, Traffic Control Technician, Certified Flagger			
05/15 - 08/19	<b>WEST LAROSE VERTICAL LIFT BRIDGE: Lafourche Parish, LA.</b> Mr. O'Brien served as a Construction Engineer on LADOTD Contract No. 4400005410 - Retainer Contract for Construction Engineering and Inspection and Painting and Inspection and Environmental Monitoring Statewide. This \$26,000,000 project consisted of rehabilitation of the entire moveable bridge including construction of a new fender system, concrete structural repairs, steel girder repairs, bearing replacement, cleaning, head removal, painting, sealing cracks, bolt replacement, and updating electrical and mechanical equipment. Mr. O'Brien generated and composed several change orders for the project and was responsible for compiling surveyed elevations on newly constructed bridge footing to show possible issues with subsidence.			
06/15 - 10/20	<b>CAMELLIA - SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Engineer on the team providing engineering services to the LCG for the design of a dedicated right-turn lane and second left-turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Roads services include preparing plans and specifications for project construction, performing engineering design and analyses for the widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Mr. O'Brien assisted with joint layout and geometric design of roadway and provided technical support during construction.			
02/15 - Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> Engineer on the team providing engineering services to St. Bernard Parish Government for repairs, restorations, and replacement of Parish-owned roadway and canal crossings to Pre-Katrina conditions. Responsibilities included constructability review of design plans and management during construction for the replacement of the culvert canal crossing structures on 20 Arpent Canal at Mumphrey Rd. and Gallo Rd. in Chalmette, LA, and all associated infrastructure necessary to replace to current codes and standards, including HMGP measures.			
11/19 - ongoing	<b>RR004 BAYOU ST. JOHN, FAIRGROUNDS, SEVENTH WARD GROUP B: New Orleans, LA.</b> Project Engineer on the Royal team contracted by the City of New Orleans to provide construction management services during the nearly \$27 Million FEMA Recovery Roads Project. This project consisted of Royal providing Construction Administration, Construction management as well as Resident inspection for the City of New Orleans Department of Public Works. Royals main responsibility aside from field management of the contractor and all construction activities, included but was not limited to conducting progress meetings, dealing with resident complaints, review and recommendation for approval of monthly pay estimates, assisting in field adjustments and using knowledge and experience in civil construction to ensure project remained on schedule and budget.			

**16. Staff Experience:**

04/18 - 02/20	<b>ST. GABRIEL IMPROVEMENT - PHASE 5: St. Gabriel, LA.</b> Construction Manager on the Royal team contracted by the City of St. Gabriel to provide Construction Management and Engineering Services for the restoration of four roadways and the full re-construction of one roadway. This project's scope consisted of cold planing of existing asphalt, Lime and Soil cement treatments, asphalt binder and wearing overlay. Mr. O'Brien performed construction management responsibilities during the Construction phase, assisted in design alterations during construction, and produced as-built drawings for post-construction closeout.
04/18 - 02/19	<b>H.010352 LA 442: TANGIPAHOA RIVER BRIDGE REPLACEMENT: Tickfaw, LA.</b> As Construction Engineer responsible for reviewing the contractor's Critical Path Method schedule. This includes approval of the CPM baseline schedule ensuring that it meets the project time requirements, project specifications, the contract value matches that in the schedule, that all resources and items in the contract are adequately reflected in the contractor's CPM schedule. Also included with this project is review and approval of each monthly update of the schedule and providing the owner (DOTO) with adequate and informed information in case of litigation, disputes or requested change orders.
04/18 - 08/18	<b>H.009597 1-10: W PEARL RIVER: Baton Rouge, LA.</b> As Construction Engineer assisted the project manager with review of the projects critical path method (CPM) schedule. Mr. O'Brien was responsible for reviewing the submitted baseline and updates to ensure the contractor's means and methods were reasonable, the contract specifications for allowed time per line item were reflected in the schedule, and the contract amount was reflected in the schedule.
07/16 - 07/18	<b>H.011503: I-10 TWIN SPANS ITS: Orleans and St. Tammany Parish, LA.</b> – As Construction Engineer responsibilities included responding to RFI's throughout construction, providing LADOTD with suggested solutions to RFI's, generating LADOTD SiteManager monthly estimates, reviewing SiteManager diaries, and reviewing project change orders and submitting them to LADOTD for approval. Upon completion of construction, Mr. O'Brien compiled all project documentation including all submittals, as-builds, survey site layout, correspondence, 2059, and all LADOTD required project documentation and submitted to the state.
12/15 - 06/16	<b>H.001491.6; LA 20 (North Canal Blvd.) Widening in Lafourche Parish.</b> As Senior Field Engineer duties included QA/QC testing management, submitted change orders, project submittal management, RFI submittals, schedule management, survey site layout, project coordination, and maintained project as-builds.


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Courtney Kall, P.E.	Years of relevant experience with this employer	1	
Title	Lead Project Manager	Years of relevant experience with other employer(s)	13	
Degree(s) / Years / Specialization			BS / 2007 / Civil Engineering	
Active registration number / state / expiration date			37306 / LA / 3-31-23	
Year registered	2012	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Construction Oversight and Schedule Reviews	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
13+ years of experience	Ms. Kall is a knowledgeable and motivated licensed civil engineer skilled in the execution and management of all phases of project operations from design through construction. Consistent with completing projects on schedule and within budget. Exceptional organizational skills. Strong communication skills and ability to problem solve as conflicts arise. Career has focused primarily on serving municipal clients. <b>Certifications:</b> Traffic Control Supervisor, Traffic Control Technician, Certified Flagger			
04/21 - Ongoing	<b>RR004 BAYOU ST. JOHN, FAIRGROUNDS, SEVENTH WARD GROUP B: New Orleans, LA.</b> Project Manager on the Royal team contracted by the City of New Orleans to provide construction management services during the nearly \$27 Million FEMA Recovery Roads Project. Royal's main responsibility, aside from field management of the contractor and all construction activities, includes but is not limited to conducting progress meetings, resolving resident complaints, reviewing for approval monthly quantities and pay estimates, assisting in field adjustments, and utilizing knowledge and experience in civil construction to ensure project remains within budget and on schedule.			
04/21 - 04/22	<b>ST. CLAUDE GROUP E: New Orleans, LA.</b> Project Manager on the Royal team responsible for providing the City of New Orleans with Resident inspection, ensuring that the project was completed to the specifications established by the client. Royal also provided construction management for this project, which assisted the City of New Orleans to correct any issues that were found while in the field, as well as ensuring the project was completed on time and within allocated budget.			
10/11 - 04/21	<b>HURRICANE KATRINA RECOVERY PROGRAM: St. Bernard Parish, LA.</b> As Project Manager, Ms. Kall's role involved managing all aspects of various projects from inception through construction and closeout as Owner's representative. Her duties included developing project scopes via damage assessments; acquiring funding approval; developing and implementing hazard mitigation proposals; facilitating proper procurement for design and construction services; managing construction operations and inspection services; providing technical assistance to design teams; reviewing and analyzing project costs for reasonableness and compliance with State reimbursement guidelines; and maintaining overall project schedules and State work deadlines. Projects included water and wastewater treatment plants and systems; infrastructure rehabilitation projects; and other various public works facilities totaling over \$200M.  St. Bernard Project Manager responsible for oversight of the Royal team providing engineering services to St. Bernard Parish Government for repairs, restorations, and replacement of Parish-owned roadway and canal crossings to Pre-Katrina conditions.  During construction, Ms. Kall's duties included facilitating the resolution of daily field issues and conflicts and coordinating with design engineer, contractor, and inspector; ensuring construction budgets and schedules were maintained and followed; field-verifying monthly quantities for invoice reviews and approvals; and implementing change orders, including securing the funding, for additional eligible work identified in the field.			


16. Staff Experience:

01/08 - 10/11	<b>HURRICANE KATRINA RECOVERY PROGRAM: Plaquemines Parish, LA.</b> Ms. Kall served as Project Manager providing administrative and program management services for FEMA-funded projects in Plaquemines Parish. Projects included the restoration and/or replacement of fire stations, public auditoriums, recreational facilities, marinas, sewer lift stations, Parish-wide sewer lines, and water and wastewater treatment plants totaling approximately \$50 million.
01/08 - 10/11	<b>STAFF ENGINEER FOR VARIOUS PROJECTS: New Orleans, LA.</b> Ms. Kall served as Staff Engineer, Project Design Team for several local project, including the South Claiborne Avenue Streetscape Project, City of New Orleans Street enhancement program on Claiborne Avenue between Martin Luther King, Jr. Blvd. and Napoleon Ave., a vital commercial corridor.


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	William Fontenot, Jr., P.E.	Years of relevant experience with this employer	<1	
Title	Structural Engineer	Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering	
Active registration number / state / expiration date			41036 / LA / 3-31-2023	
Year registered	2016	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Civil 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 time specified in the applicable MPR(s).			
8+ years of experience	Mr. Fontenot has more than eight years of experience in civil and structural engineering, construction consulting, and structural inspection and repair. He has performed on-site inspection of structural deficiencies of statewide projects and engineered safe, economic approaches to specific construction problems related to various heavy construction projects. He has significant experience and familiarity with MUTCD, AASHTO, AISC, ACI, and LADOTD design manuals and codes. <b>Certifications:</b> Traffic Control Supervisor, Traffic Control Technician, Certified Flagger			
06/12 - 07/16	<b>H.002550 MACARTHUR DRIVE INTERCHANGE COMPLETION: Jefferson Parish, LA.</b> As an Engineer Intern, Mr. Fontenot assisted with plan and elevation revision, performed quality checks of plans from other firms, designed curtain wall details, and designed overhead sign support addition. Tasks Performed included: modification of existing geometric design of baseline for on/off ramps; detailed sections of roadway for graphical grade plans; used current design standards to detail and design curtain wall details for final plans; detailed and designed overhead sign support addition and layout for various locations throughout final design; proposed options for frontage road modifications and layout of roadway beneath bridge structure. Codes used included: AASHTO Roadside Design Guide, AISC Steel Construction Manual, ACI 318-11 Building Code Requirements for Structural Concrete, LADOTD Bridge Design Manual.			
06/12 - 07/16	<b>IN-DEPTH BRIDGE INSPECTION OF COMPLEX STRUCTURES: St. Landry Parish, LA.</b> As an Engineering Intern, Mr. Fontenot performed in-depth inspection of the deck, superstructure and substructure of the approach spans on the Krotz Springs Bridge over the Atchafalaya River. In this role, Mr. Fontenot also coordinated meetings between the inspectors; coordinated equipment rentals and staffed personnel; performed bridge inspections; and provided assessment report of bridges including potential repair plans. Codes used included: PONTIS Inspection Manual.			
06/12 - 07/16	<b>H.003182 INNER HARBOR CANAL BRIDGE REHABILITATION: Algiers, LA.</b> As an Engineering Intern, Mr. Fontenot designed traffic control and signage including detour plans and assisted in quantity checks and details for Final Plans Tasks performed included: used as-built plans and CAD software to layout and design traffic control options and detour paths for temporary lane closure during construction efforts; applied LADOTD Standards for Traffic Management and Signage; and refined and checked rehabilitation details and plans for final submittal. Codes used included: MUTCD, LADOTD Traffic Control Standard Plans, AISC Steel Construction Manual, and ACI 318-11 Building Code Requirements for Structural Concrete.			
06/12 - 07/16	<b>I-10 LAKE PONTCHARTRAIN BRIDGE DECK PATCHING &amp; GIRDER PAINTING: New Orleans, LA.</b> As an Engineering Intern, Mr. Fontenot performed field inspection of all bridges. Created Assessment Report. Designed traffic control and detour plans. Wrote TMP for final submittal. Prepared plans and details for repairs. Tasks performed included: planned for inspection and quantification of bridge deficiencies by preparing traffic control plans and reviewing previous inspection reports; used CAD software to develop detour plans and a TMP for the state's review; performed field inspection; compiled data from the field inspection to create an assessment report; and used as-built plans and current state standards to prepare and detail suggested repairs. Codes used included: MUTCD, LADOTD Traffic Control Standard Plans, AISC Steel Construction Manual, ACI 318-11 Building Code Requirements for Structural Concrete, AASHTO LRFD Bridge Design Specifications, and LADOTD Bridge Design Manual.			

## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Chris Barrilleaux	Years of relevant experience with this employer	3	
Title	Senior Inspector	Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			AAS / 2015 / Civil Engineering Technology & Project Management AAS / 1997 / Paramedic CAD Certification / 2017	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Certified Inspector	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
14 years of experience	Mr. Barrilleaux has over 14 years of experience in the construction industry consisting of Project Management, Operations, Materials Testing, Compliance Inspection, Team Building, Scheduling and Carpentry. His experience includes 7.5 years serving as a Projects Primary Inspector/Engineering Technician IV for the LADOTD. Through his education and career experiences, Mr. Barrilleaux has attained strong communication skills and the ability to lead through adversity, all of which have aided in his completion of countless projects on time and within budget. <b>Certifications:</b> Traffic Control Supervisor, Traffic Control Technician, Certified Flagger, Embankment & Base Course; Structural Concrete Inspection Certification; Asphalt Roadway Pavement Inspection Certification; Nuclear Density Device Authorization			
11/19 - ongoing	<b>FEMA ROADWAY RESTORATION PROGRAM: New Orleans, LA.</b> Quality Control Technician on the Royal team contracted by the City of New Orleans Department of Public Works (DPW) to provide construction management and resident QC services for the Federal Emergency Management Agency (FEMA) Roadway Restoration Program. This project includes restoration of parish concrete and asphalt roadways and associated infrastructure (i.e., sidewalks, driveways, drainage, sewer, and water) that suffered damage during Hurricane Katrina. Construction services are being performed by multiple contractors under contract by DPW and overseen by Royal. Royal is providing all construction management, data management, reporting, platform deployment, quality assurance, administration, pay applications, and closeout services. Mr. Barrilleaux is responsible for the oversight of contractors in the field, QC work product to project drawings/ specifications, schedule compliance, and site safety.			
09/19 - 03/20	<b>MAXPAVE ROADWAY PROGRAM: New Orleans, LA.</b> Quality Control Technician on the Royal team responsible for performing resident QC services for the CNO DPW and SWBNO combined utility rehabilitation initiative, which involved 50 to 75 service cuts weekly to conduct the needed point repairs to the sewer and water infrastructure. Responsibilities included observation of all construction activities for critical work items; preparation of daily field reports; collection and organization of photographic evidence of documenting work progress; preparing detailed reports; documentation of unforeseen items encountered during construction and corresponding coordination with DPW for these items.			
12/09 - 08/17	<b>VARIOUS BRIDGE &amp; ROADWAY PROJECTS: Jefferson, LA.</b> Lead Primary Inspector/Engineering Technician IV for various projects, including several multimillion-dollar bridge and roadway projects. His responsibilities included managing and tracking material testing through complete projects; maintaining key client relationships; supporting and mentoring junior staff; and QA/QC Inspection of full civil construction projects.			

## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Carl McClurg	Years of relevant experience with this employer	14	
Title	Inspector	Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			BS   1995   International Economics	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s)/brief description of responsibilities			Lead Inspector	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
11/19 - ongoing	<b>FEMA ROADWAY RESTORATION PROGRAM: New Orleans, LA.</b> Project Inspector, Carl McClurg, is responsible for oversight of construction contractors, inspection of the construction process and finished product, comparison of the work product to project drawings and specifications, schedule compliance, and site safety. This project includes restoration of parish concrete and asphalt roadways and associated infrastructure (i.e. sidewalks, driveways, drainage, sewer, and water) that suffered damage during Hurricane Katrina. Approximately 50 miles of roadway are being replaced according to State and Federal standards with a construction cost estimated at \$20,750,000.			
02/11 – 01/17	<b>STREETCAR EXPANSION PROGRAM: New Orleans, LA.</b> Lead inspector for the RTA Streetcar Expansion Phase II Services included quality assurance, pay item tracking, and ensuring the accuracy of work quantities, daily progress reporting, photo documentation, and drawing/specification review, and daily updates of as-builts.			
09/19 - 03/20	<b>MAXPAVE ROADWAY PROGRAM: NEW ORLEANS, LA.</b> Inspector on the Royal team responsible for performing resident QC services for the CNO DPW and SWBNO combined utility rehabilitation initiative, which involved 50 to 75 service cuts weekly to conduct the needed point repairs to the sewer and water infrastructure. Responsibilities included observation of all construction activities for critical work items; preparation of daily field reports; collection and organization of photographic evidence of documenting work progress; preparing detailed reports; documentation of unforeseen items encountered during construction and corresponding coordination with DPW for these items.			
08/20 - Ongoing	<b>BAYOU ST. JOHN, FAIRGROUNDS SOUTHWEST GROUP B, NEW ORLEANS, LA.</b> Inspector on the Royal team providing construction administration, construction management and resident inspection for the City of New Orleans Department of Public Works. Royal's main responsibilities, aside from field management of the contractor and all construction activities, included conducting progress meetings, dealing with resident complaints, reviewing and making recommendations for approval of monthly pay estimates, assisting in field adjustments, and using knowledge and experience in civil construction to ensure project remained on schedule and budget.			
06/16 – Ongoing	<b>STREETLIGHT MANAGEMENT SERVICES: New Orleans, LA.</b> Project Inspector, Carl McClurg, performs inspections and condition assessments of streetlight fixtures and poles and completed all associated documentation of findings. Royal is responsible for streetlight operations in the City of New Orleans. The project entails managing a work order system to track and assign all work to the city designated streetlight repair contractor. Training of new inspectors on all processes, documentation, and safety.			

## 16. Staff Experience:

Firm employed by	Batture, LLC		
Name	Robert Mora, P.E., PLS, ENV-SP	Years of relevant experience with this employer	6
Title	Managing Partner	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization	BS / 2003 / Civil Engineering		
Active registration number / state / expiration date	35109 / LA / 09/30/2022, 5042 / LA / 09/30/2022		
Year registered	N/A	Discipline	Civil Engineering, Professional Land Surveying
Contract role(s)/brief description of responsibilities	QAQC		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
06/18 - present	<b>St. Anthony Green Streets – Programming and Design (New Orleans, Louisiana):</b> Batture, LLC is leading the design team for this project within the Gentilly Resilience District. St. Anthony Green Streets is part of the HUD National Resilience Disaster Competition funded Gentilly Resilience District. The St. Anthony Green Streets project area lies between the London Avenue Canal and St. Anthony Avenue and Robert E Lee Boulevard and Mirabeau Avenue. The priority streets consist of Wildair Drive and Wingate Drive and two parks. The project goal is to improve the resilience of the neighborhood. For the St. Anthony project, there is heavy emphasis on the reduction of subsidence and to better connect the parks to the neighborhood. Batture performed all survey tasks in the project, including providing FFE's for the BCA. Interventions will take place within the street Right of Ways and the two parks. Mr. Mora is providing civil engineering design support and is the Surveyor of Record for this \$13.4 Million project.		
Ongoing	<b>City of New Orleans / DPW Streets Projects (New Orleans, Louisiana):</b> Batture has been successfully providing land surveying and civil engineering services on City of New Orleans/Department of Public Works projects since 2016. Surveying work is completed in accordance with the DPW standards for street surveys. Drawings include vertical and horizontal project control points, plan & profile drawings, and cross sections. Batture utilized contacts with local utility agencies to plot underground utilities located within the street right-of-way. The majority of these projects are Recovery Roads and Hazard Mitigation projects. They were performed as a subconsultant to firms such as: Greenpoint Engineering, CDM Smith, Design Engineering Inc, Stantec, and Digital Engineering. Mr. Mora is the the Professional Land Surveyor on all of these projects.		
09/19 - present	<b>Lakeview City Park Drainage Improvements (New Orleans, LA):</b> Project manager and Land Surveyor for this project, which explores how New Orleans City Park might be used to manage stormwater and mitigate flooding in the surrounding neighborhoods. As project manager, Mr. Mora is supervising the design, H&H modeling, surveying, and construction administration services provided by Batture as well as services being provided by sub-consultants. Batture performed an extensive topographic and utility survey of the park including surveys of the water bodies and lagoons, water bottoms, and utility conditions.		
04/17 - 01/18	<b>4215 S. Claiborne Ave. (New Orleans, Louisiana):</b> Batture, LLC performed land surveying, civil engineering, structural engineering, and landscape architecture services for the project site (a future medical facility). Mr. Mora was the land surveyor of record and managed all surveying tasks for the project. He also was the design lead for the facility's civil site design (including demo plan, utility connections, and pavement/grading design). He coordinated with the Landscape Architecture firm to provide deliverables under an expedited schedule. As S. Claiborne Avenue is a state highway, Mr. Mora also prepared the DOTD Driveway Permit Application and oversaw the development of the DOTD Drainage Permit Application.		
05/17 - present	<b>Claiborne Corridor (New Orleans, Louisiana):</b> This project aims to revitalize the corridor beneath the Claiborne overpass from Cleveland Avenue to Annette Street (approximately 8,000 linear feet). Mr. Mora was the land surveyor of record for providing a lease survey which was used to create a land lease between the City of New Orleans and the LADOTD. After finalizing the lease agreement, Mr. Mora supervised the preparation of right of way and topographic surveys for use during the design of this transformative project. The project will take place in 4 phases. To date, the first two phases of survey are complete.		

16. Staff Experience:

12/15 - present	<b>Fleming Construction Surveying Services (Jefferson Parish, Louisiana):</b> Batture LLC has provided land surveying and engineering support (including construction surveying and drafting) to Fleming Construction on infrastructure projects including water, sewer, drainage, and roadway work since our founding. Our role is to verify existing survey data and construction drawings prior to Fleming mobilizing to the site. During construction, Batture provides layouts of the features to be built. Project deliverables consist of field notes, survey data, and drawings. Projects in Jefferson Parish have included Lynette and Shirley Sewer Lift Station, Improvements to N. Lester Ave. at Canal No. 5, Improvements of Existing Alexis Drive Lift Station, Willowbrook Drive Drainage Improvements Phase II, River Road Waterline Replacement - Ph. II, Improvements to Sewage Lift Station M-12-1A, Maplewood Drive/Paillet Street Drainage Improvements, and Sibley & W. Napoleon Upgrades. Mr. Mora is the Professional Land Surveyor on all of these projects.
08/17 - 08/17	<b>SWB Emergency Generator (New Orleans, Louisiana):</b> Following the Aug 5, 2017, floods in New Orleans, Batture was contracted to provide land surveying for the emergency design and installation of five generators and electric service lines to provide backup power to five existing drainage pump stations. Mr. Mora was the land surveyor of record for this project providing topographic and utility location surveys. The work, which normally would be delivered in 30-45 days, was delivered in 6 days per the client's request to expedite the work.
09/19 - 05/21	<b>Hoey's Basin (Jefferson Parish, Louisiana):</b> Batture's scope of work for this surveying project included elevations of house and building slabs, driveway pavement, sidewalks, golf courses, and paving elements in street sections within 500' of the project site. Services included pre-construction and post-construction cross sections, verification of project control and setting off on-site control, As-Built drafting support, and preparation of drawings for RFIs. Total stations, GPS, and differential leveling were used to perform field work. Project deliverables consisted of field notes, survey data, and drawings. Mr. Mora was the Professional Land Surveyor for this project.

## 16. Staff Experience:

Firm employed by	Batture, LLC		
Name	Roderick Richardson	Years of relevant experience with this employer	2
Title	Survey Operations Manager	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization			BS / 2002 / Architectural Engineering
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities			Survey 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 time specified in the applicable MPR(s).		
11/21 – present	<b>Nashville Wharf "A" Substructure Survey and Repair (New Orleans, Louisiana):</b> The Nashville Wharf "A" was constructed in 1960 & 1961. The wharf has been modified and repaired multiple times since its original construction. In 2017, a section of the wharf experienced a deck failure due to severely deteriorated substructure piling. The resulting project repaired the failed deck section and surrounding piling, surveyed the remainder of the wharf substructure, and began piling repairs along the length of the wharf. The prior substructure repair project was not fully completed, with some areas and individual piles being only partially repaired. The project was met with challenges from varying existing conditions and difficulty performing repairs in fluctuating river levels. Batture has been hired to perform a substructure inspection of the wharf and develop a repair project to restore piling capacity and provide corrosion protection to the wharf substructure as a whole. Rod led the survey portion of this project.		
08/19 – 07/20	<b>Little Woods Group B (New Orleans, Louisiana):</b> This City of New Orleans Project consisted of surveying and engineering design services for several blocks in the Little Woods Area. Work included replacing damaged underground water, sewer and drainage lines. Repaving the roadway, replacing sidewalks and driveway aprons and installing ADA compliant curb ramps at intersections. Rod Richardson acted as a Survey Party Chief on this project. Construction Cost \$5.9 million.		
04/17 – 01/18	<b>Dillard Wetlands (New Orleans, Louisiana):</b> Surveying QAQC. Batture is sub-consultant to Freese and Nichols for stormwater management and recreational feature improvements in the Dillard Wetlands. Batture is currently providing surveying services for Phase I of the project, including boundary survey, topographic survey, and tree identification/assessments. Civil engineering, H&H modeling, recreation and placemaking, and structural engineering.		
10/21 – 12/21	<b>Milneburg Neighborhood Stormwater Resilience (New Orleans, Louisiana):</b> The City of New Orleans is undertaking an unprecedented network of integrated initiatives across Gentilly that will reduce flood risk, slow land subsidence, spur economic opportunity, improve health, encourage neighborhood revitalization, and adapt our city to a changing natural environment. Dana Brown & Associates, Inc. (DBA) is providing design services on the Milneburg Project as part of this larger initiative in Gentilly. DBA contracted Batture to provide land surveying services in support of their design. Scope of work included topographic land survey, elevations, utilities, and survey drawings. Rod served as project manager.		
08/08 – 06/13	<b>Lake Borgne Surge Barrier (New Orleans, Louisiana):</b> This U.S. Army Corp of Engineers consisted of surveying and engineering design services for the intersection of the GIWW and the MRGO. Work included driving piles to form a flood barrier with sector gates Rod Richardson acted as quality control surveyor on this project. Construction Cost \$1.1 Billion 08/08-06/13		
08/12 – 05/19	<b>Magazine St Phase I (Nashville-Calhoun) Phase II (Calhoun-Leake) (New Orleans, Louisiana):</b> This City of New Orleans DPW Project consisted of surveying and engineering design services for the reconstruction of several blocks in the Audubon Area. Work included reconstruction of existing roadway and replacement of affected utilities. Rod Richardson acted as Survey Party Chief on this project. Construction Cost \$16 million. 08/12-05/19		
03/10 – 01/11	<b>Catina (Mouton-Robert E Lee) Louisville (Fillmore-Robert E Lee) (New Orleans, Louisiana):</b> This City of New Orleans DPW Project consisted of surveying and engineering design services for the reconstruction of several blocks in the Lakeview Area. Work included reconstruction of existing roadway and the replacement of affected utilities. Rod Richardson acted as Survey Party Chief on this project.		

## 17. Firm Experience:

Firm Name	Design Engineering, Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Southbound Causeway Safety Rail Improvements	Firm responsibility (prime or sub?)	Prime
Project number	GNOEC P.N. 433	Owner's name	Greater New Orleans Expressway Commission
Project location	Jefferson, LA	Owner's Project Manager	Carlton Dufrechou
Owner's address, phone, email			3939 N. Causeway Blvd, Ste 400, Metairie, LA 70001 504.835.3118, cdufrechou@gnoec.org
Services commenced by this firm (mm/yy)	12/18	Total consultant contract cost (\$1,000's)	\$5,500
Services completed by this firm (mm/yy)	07/20	Cost of consultant services provided by this firm (\$1,000's)	\$5,500

Design Engineering, Inc. (DEI) was contracted by the Greater New Orleans Expressway Commission (GNOEC) to provide construction contract administration and CEI services for this project. The project involves raising the height of the rail by installing a supplemental tubular rail on top of the existing concrete rail. Raising the bridge rail height will reduce the potential of vehicles going over the rail and thus improve the safety for the traveling public. The work is generally performed during non-daylight periods on weekdays and up to 24 hours per day on weekends.

DEI's responsibilities include:

- Coordinating with GNOEC personnel to schedule, attend and conduct meetings over the course of the project.
- Maintaining all construction field records; make daily entries in the project diary to indicate DEI's personnel and Contractor's personnel present on the job site, the Contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time.
- Coordinating with the GNOEC's Engineer/Representative for relocations/adjustments of utility facilities for the construction of work site.
- Providing all necessary personnel and equipment to perform the required field-testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
- Submitting all sampled materials to be tested by a qualified Testing Laboratory, in accordance with the stipulated Sampling Manual.
- Inspecting the contractor's construction operations (daily) to ensure that all work is performed in general compliance with the specified plans and specifications.
- Keeping clear and concise records of the contractual operations, prepare monthly pay estimates, and make monthly progress reports in conformance with GNOEC requirements.
- Preparing final estimate packages, including Form 2059 - "Summary of Test Results" in conformance with DOTD requirements.
- Monitoring and documenting all construction claims and provide recommendations to the GNOEC on disposition of claims.
- Managing the RFI (Request for Information) process.
- Coordinating and/or performing the inspection of the fabrication of pre-cast materials.
- Scheduling and conducting the Final Inspection for the Project (or a portion of the Project) and make the recommendation to the GNOEC for Final Acceptance (or Partial Acceptance).



### Key Personnel:

Jim Martin, John Holtgreve, Ben Bartlett, John Karlin, Jay Rafferty, Wayne Lemoine, Jeff Monfrey

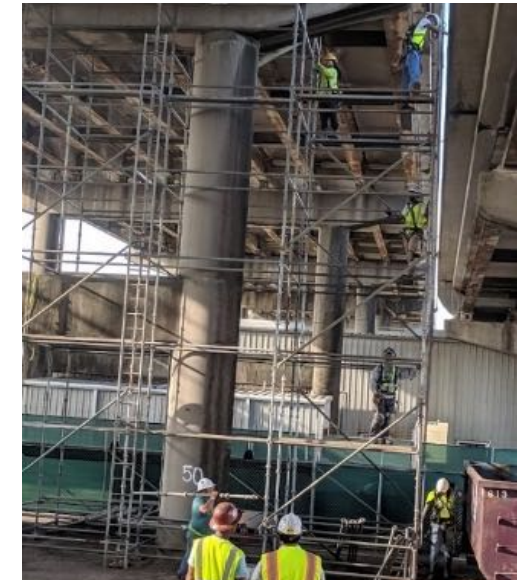
## 17. Firm Experience:

Firm Name	Design Engineering, Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Causeway Boulevard Overpass of Airline Drive	Firm responsibility (prime or sub?)	Prime
Project number	JPPW No. 2013-011-RB	Owner's name	Jefferson Parish
Project location	Jefferson Parish, LA	Owner's Project Manager	Mark Drewes
Owner's address, phone, email			1221 Elmwood Park Blvd., Jefferson, LA 504.736.6505, mdrewes@jeffparish.net
Services commenced by this firm (mm/yy)	02/14	Total consultant contract cost (\$1,000's)	\$4,212
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$4,002

The multi-level rotary interchange (and associated bridges) at Causeway Blvd and Airline Highway was constructed by the GNOEC (Causeway Commission) in 1957. Most of the structure is now owned by Jefferson Parish (though some is still managed by the DOTD). Since the structure was completed, little maintenance has been performed. This project consists of eight (8) ramps, a traffic circle, and an overpass of Airline Hwy.

DEI's responsibilities include:

- Coordinating with Jefferson Parish personnel to schedule, attend and conduct meetings over the course of the project.
- Maintaining all construction field records; make daily entries in the project diary to indicate DEI's personnel and Contractor's personnel present on the job site, the Contractor's personnel and equipment being utilized on the project, the work being performed/accepted, the acceptability of traffic control, and the charging of contract time.
- Coordinating with Jefferson Parish's Engineer/Representative for utility relocations/adjustments at and around the construction site.
- Providing all necessary personnel and equipment to perform the required field-testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
- Submitting all sampled materials to be tested by a qualified Testing Laboratory, in accordance with the stipulated Sampling Manual.
- Inspecting the contractor's construction operations (daily) to ensure that all work is performed in general compliance with the plans and specifications.
- Keeping clear and concise records of the contractual operations, prepare monthly pay estimates, and make monthly progress reports in conformance with Jefferson Parish requirements.
- Monitoring and documenting all construction claims and provide recommendations to the Jefferson Parish on disposition of claims.
- Managing the RFI (Request for Information) process.
- Coordinating and/or performing the inspection of the fabrication of pre-cast materials.
- Coordinating and reviewing emergency repairs to portion of bridge adjacent to project site.
- Scheduling and conducting the Final Inspection for the Project (or a portion of the Project) and make the recommendation to the Jefferson Parish for Final Acceptance (or Partial Acceptance).



### Key Personnel:

Jim Martin, John Holtgreve, Ben Bartlett, John Karlin, Brett Liuzza, Brent French, Max Shukla, Jeff Monfrey, Wayne Lemoine

## 17. Firm Experience:

Firm Name	Design Engineering, Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	MacArthur Drive Interchange Completion – Phases 1A & 1B	Firm responsibility (prime or sub?)	Prime
Project number	SP No. H.002550	Owner's name	Jefferson Parish
Project location	Jefferson, LA	Owner's Project Manager	Mark Drewes
Owner's address, phone, email			1221 Elmwood Park Blvd., Jefferson, LA 504.736.6505, mdrewes@jeffparish.net
Services commenced by this firm (mm/yy)	06/03	Total consultant contract cost (\$1,000's)	\$38,400
Services completed by this firm (mm/yy)	06/16	Cost of consultant services provided by this firm (\$1,000's)	\$2,400

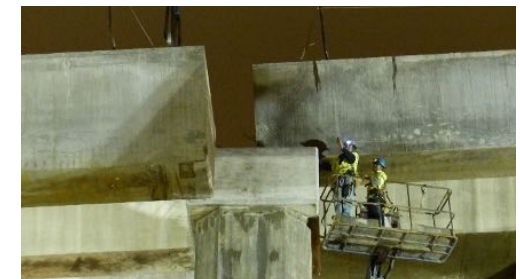
Phase 1A included the demolition of a portion of the existing service road and the relocation of the service road to accommodate the new bridges constructed under Phase 1B of this project. The bridges were constructed using Type II girders and trapezoidal box girders supported on single pier bents with pile footings to match the aesthetics of the existing Westbank Expressway Bridges. The work included the relocation of existing utilities, including water mains and appurtenances, gas lines, as well as overhead and below ground power lines; the construction of storm drain pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters, concrete driveways and concrete sidewalks.

DEI is highly experienced in constructing transportation improvements for the most trafficked corridors in Louisiana.

DEI provided the following services:

- At Grade Roadway design
- Column clearance designs
- Utility relocations
- Attention to the coordination of very large columns within the roadway right-of-way
- Drainage design
- Right-of-way plans
- Temporary retaining structure for pile supported columns
- Coordination of modifications to Phase 1A roadway during construction of Phase 1B bridge
- Management of roadway & bridge design team during construction
- Major public presentations and meetings with affected stakeholders

DEI was awarded the ACI Louisiana Award for Overall Best Concrete Project of 2016, and Award of Excellence in 2016 for its work on the MacArthur Drive Interchange Completion Project–Phase 1B.



### Key Personnel:

Jim Martin, John Holtgreve, Brett Liuzza, Brent French

## 17. Firm Experience:

Firm Name	Design Engineering, Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Canal Blvd. (R.E. Lee - Amethyst)	Firm responsibility (prime or sub?)	Prime
Project number	H.007271.6	Owner's name	City of New Orleans
Project location	Orleans Parish, LA	Owner's Project Manager	Grayson Fleming
Owner's address, phone, email			1300 Perdido St, Ste 6W03, New Orleans, LA 70113 504.658.8065, grfleming@nola.gov
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost (\$1,000's)	\$859
Services completed by this firm (mm/yy)	11/20	Cost of consultant services provided by this firm (\$1,000's)	\$859

Design Engineering, Inc. (DEI) was responsible for providing the construction contract administration and construction engineering inspection services for the reconstruction of Canal Blvd., an existing four (4) lane divided boulevard. Included in this project was grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, storm water pumping station, and related work on Canal Boulevard from Robert E. Lee Blvd. to Amethyst Street. Pavement striping, signs, and legends and symbols were also included. Construction Management performed by the office and site personnel included:

- Scheduling and attending the preconstruction meeting
- Maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time. All these activities are managed through LaDOTD's SiteManager Program.
- Coordinating with Jefferson Parish Engineer/Representative for all relocations/adjustments of utility facilities and existing drainage structures for the construction of work site.
- Inspecting the Contractor's construction operations (daily) to ensure that all work is performed in accordance with the specified plans and specifications.
- Preparing final estimate packages, including Form 2059 – "Summary of Test Results" in conformance with the DOTD's requirements.
- Preparing plan changes and change orders.
- Reviewing and processing Contractor's invoices and generating partial estimates and weather and workday reports in SiteManager.
- Working on the 175 project closeout and submitting all documents required by LADOTD Baton Rouge, Construction Audit.



### Key Personnel:

Jim Martin, John Holtgreve, Brett Liuzza, Jeff Monfrey

## 17. Firm Experience:

Firm Name	Design Engineering, Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Westwood Drive (WB Expy. to Lapalco Blvd.)	Firm responsibility (prime or sub?)	Prime
Project number	H.011795	Owner's name	Jefferson Parish
Project location	Jefferson Parish, LA	Owner's Project Manager	Mark Drewes
Owner's address, phone, email			1221 Elmwood Park Blvd., Jefferson, LA 504.736.6505, mdrewes@jeffparish.net
Services commenced by this firm (mm/yy)	04/19	Total consultant contract cost (\$1,000's)	\$602
Services completed by this firm (mm/yy)	06/20	Cost of consultant services provided by this firm (\$1,000's)	\$602

Design Engineering, Inc. (DEI) was responsible for providing the construction contract administration and construction engineering inspection services for the construction of 0.648 miles of roadway which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols were also included. Construction Management performed by the office and site personnel included:

- Scheduling and attending the preconstruction meeting
- Maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time. These activities were managed through LaDOTD's SiteManager Program.
- Coordinating with Jefferson Parish Engineer/Representative for all relocations/adjustments of utility facilities and existing drainage structures for the construction of work site.
- Inspecting the Contractor's construction operations daily to ensure that all work is performed in accordance with the specified plans and specifications.
- Preparing final estimate packages, including Form 2059 – "Summary of Test Results" in conformance with the DOTD's requirements.
- Preparing plan changes and change orders.
- Reviewing and processing Contractor's invoices and generating partial estimates and weather and workday reports in SiteManager.
- Working on the 175 project closeout and submitting all documents required by LaDOTD Baton Rouge, Construction Audit.



### Key Personnel:

Jim Martin, John Holtgreve, Brent French, Jeff Monfrey, Justin Duncan

## 17. Firm Experience:

Firm Name	G.E.C., Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	West Larose Vertical Lift Bridge, Route LA 1, Painting Inspection and Environmental Monitoring	Firm responsibility (prime or sub?)	Sub
Project number	H.009479.6	Owner's name	LADOTD
Project location	Lafourche Parish, LA	Owner's Project Manager	Christopher Rogers
Owner's address, phone, email			1201 Capital Access Road, Baton Rouge, LA 70804 225.447.0943, christopher.rogers@la.gov
Services commenced by this firm (mm/yy)	05/15	Total consultant contract cost (\$1,000's)	\$2,609
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$1,370

GEC was a sub-consultant to GPI for LADOTD Contract No. 4400005410- Retainer Contract for Construction Engineering and Inspection and Painting and Inspection and Environmental Monitoring Statewide. This \$26,000,000 project consists of rehabilitation of the entire moveable bridge including construction of a new fender system, concrete structural repairs, steel girder repairs, bearing replacement, cleaning, head removal, painting, sealing cracks, bolt replacement, and updating electrical and mechanical equipment. GEC performed Construction Inspection and Project Documentation for this project in accordance with LADOTD's Standards and Procedures for Construction Inspection Services.

GEC provided all environmental monitoring services in accordance with LADOTD Specification 811 for the cleaning and painting of the bridge. The services include pre-project, baseline soil and air quality sampling; Resource Conservation and Recovery Act (RCRA) identification application to the Louisiana Department of Environmental Quality (LDEQ); quality assurance reviews of contractor's worker protection, environmental protection, and waste management plans; air quality monitoring for total suspended particulates (TSPLead) during abrasive blasting; compliance observation and documentation with hazardous waste and waste water collection, storage, disposal/discharge, and reporting requirements; the preparation of recurring LADOTD reports, including Annual Hazardous Waste Reports (AHWR) to LDEQ; post-project soil sampling; and, when required, assistance during post-project audits by LDEQ.



### Key Personnel:

Dan Mayeux, Dwayne Lewis, James "Jimmy" Wheeler

## 17. Firm Experience:

Firm Name	G.E.C., Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Owner Verification Services, I-10/Loyola Interchange Improvements	Firm responsibility (prime or sub?)	Prime
Project number	H.011670	Owner's name	LADOTD
Project location	Jefferson Parish, LA	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)	07/19	Total consultant contract cost (\$1,000's)	\$4,423
Services completed by this firm (mm/yy)	07/23 (est.)	Cost of consultant services provided by this firm (\$1,000's)	\$4,423

The project consists of widening a portion of I-10 between Loyola Drive and Williams Boulevard, addition of elevated ramps to and from Loyola Drive, and improvements to Loyola Drive to enhance operational conditions and increase the capacity to accommodate future traffic demand to the new Louis Armstrong New Orleans International Airport terminal currently under construction. GEC was selected as the Owner Verification Firm (OVF) to provide all necessary engineering and 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).

GEC is providing assistance and support to the LADOTD Project Manager to ensure that the requirements of the contract documents are met. These activities include: acting as the designee of the LADOTD Project Manager at regularly scheduled meetings related to the project, responsibility for all meeting minutes, reviewing and approving required Critical Path Method (CPM) schedule updates, reviewing and approving periodic payment requests from the Design-Builder, ensuring the Design-Builder's adherence to the Contract, and any other activities deemed necessary by the LADOTD Project Manager to ensure that the contract requirements are being met. GEC has utilized HeadLight software with an iPad to manage this OV project in Jefferson Parish.

GEC is also responsible for all design acceptance and construction verification services which are part of the overall project's Design-Build Quality Assurance Program (QAP), along with construction engineering and inspection services as required for construction of the Design-Build project. GEC has assigned a full-time Project Engineer (PE) to this project along with inspection staff.



### Key Personnel:

James "Jimmy" Wheeler, Dwayne Lewis, Daniel Mayeux

## 17. Firm Experience:

Firm Name	G.E.C., Inc.	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Bascule Control System Replacement	Firm responsibility (prime or sub?)	Prime
Project number	H.009323	Owner's name	GNOEC
Project location	St. Tammany & Jefferson Parishes, LA	Owner's Project Manager	Carlton Dufrechou
Owner's address, phone, email			PO Box 7656, Metairie, LA 504.835.3118, cdufrechou@gnoec.org
Services commenced by this firm (mm/yy)	01/11	Total consultant contract cost (\$1,000's)	\$1,740
Services completed by this firm (mm/yy)	12/15	Cost of consultant services provided by this firm (\$1,000's)	\$771

GEC designed a replacement control system to allow operator control of the bascule bridge system at the North Channel of the Lake Pontchartrain Causeway. The project involved replacing the existing Programmable Logic Controller (PLC) control system which is no longer supported with a new modern PLC bridge control system. The control system must retain all mechanical interlocks as well as operating procedural interlocks. Many older components were replaced with more modern equivalents, i.e. leaf angle measurement with new electronic synchro transmitters. The new synchro devices allowed the leaf angles to be transmitted and displayed on the operator HMI touch screens.

The roadway lighting system was replaced to meet current NEC requirements. Additionally, a user manual was created to help in the operations and to train new operators. The bascule bridge system consisted of controlling four leaves, two for northbound lanes and two for southbound lanes. The replacement PLC control system has redundant automatic failover PLCs to allow bridge operation to continue even if one PLC should fail.

As part of this project, GEC was involved in the startup and shakeout of the new PLC control system until it met all the requirements of the specifications and operational restrictions and interlocks. As part of the startup, all mechanical, electrical and operational interlocks were tested.



### Key Personnel:

James "Jimmy" Wheeler, Reagan "Sean" Johnson

## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	St. Bernard HMP Canal Crossing	Firm responsibility (prime or sub?)	Prime
Project number	2014-24-00	Owner's name	St. Bernard Parish Government
Project location	St. Bernard Parish, LA	Owner's Project Manager	Donald R. Bourgeois, Jr.
Owner's address, phone, email			1125 East St. Bernard Highway, Chalmette, LA 70043 504.278.4313, dbourgeois@sbpg.net
Services commenced by this firm (mm/yy)	07 / 2014	Total consultant contract cost (\$1,000's)	\$550
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$540

Royal was contracted by St. Bernard Parish Government (SBPG) to provide consulting and engineering services regarding repairing, restoring, and/or replacing Parish-owned roadways and bridges to their Pre-Katrina condition, while preserving the historical value and intent of each facility. As part of the contract, Royal was responsible for the six (6) separate project locations throughout St. Bernard Parish. Each of these projects include the restoration of concrete and asphalt roadways, including associated infrastructure and restoration or replacement of existing damaged canal crossing structures. Incidental associated infrastructure to be restored or replaced for each project included concrete sidewalks, driveways, storm drainage systems, sewer mains, and water mains.

Design services provided by Royal for each separate canal crossing project included, but were not limited to, the preparation of final plans and technical specifications, preparing an opinion of construction cost, coordinating with permitting agencies and LADOTD and securing all related permits, coordinating with utilities and other agencies with assets within the construction area, and preparing a Hazard Mitigation Proposal. Design plans and specifications were prepared in accordance with St. Bernard Parish standard plans and other state and industry standards such as LADOTD Road Design Manual, LADOTD Hydraulics Manual, LADOTD Standard Specifications for Roads & Bridges, AASHTO Greenbook, current ADA guidelines, and the AASHTO Roadside Design Guide.

Royal also provided bid and construction phase services for each of the canal crossing projects. Bid phase services provided by Royal included (a) the preparation and compilation of a bid package including front-end documents, construction drawings, and specifications, (b) attendance of a pre-bid and bid opening meetings with members of SBP and prospective bidders, (c) production of addenda in response to Contractor questions, and (d) review and tabulation of bids and production of a recommendation of acceptance to the lowest, responsive bidder. Construction Management services included performing review of product and work plan submittals, review of daily resident inspection reports, review of Contractor invoices against quantity takeoffs and construction specifications for payment, performing progress meetings, and general management of the Contractor during construction. Royal was also responsible for creating a punch list and submitting documents related to Substantial Completion and Final Acceptance at appropriate project milestones and for creating as-built sets following construction. Royal also provided Resident Inspection services throughout construction of the projects which included employing qualified personnel to observe and log daily field activities of the contractor and performing quantity takeoffs.



### Key Personnel:

Michael Pugh, Carter O'Brien, Courtney Kall

## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Magnolia Converted Ped Bridge Rehabilitation	Firm responsibility (prime or sub?)	Prime
Project number	H.009938	Owner's name	LADOTD
Project location	New Orleans, LA	Owner's Project Manager	Justin Guilbeau
Owner's address, phone, email			PO Box 9180 Bridge City, LA 70096 504.253.6100, justin.guilbeau@la.gov
Services commenced by this firm (mm/yy)	02/18	Total consultant contract cost (\$1,000's)	\$176
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm (\$1,000's)	\$176

The project consisted of rehabilitating the Magnolia Bridge which crosses Bayou St. John at Harding Drive in Orleans Parish. The work will entail grading, base course, asphalt, steel rehabilitation (cleaning & painting), sheet pile installation and associated work to construct the subject project according to construction documents.

Royal provided Construction Administration and Resident Inspection Services for the restoration work. Royal provided construction management and resident inspection, quality assurance, administration, review of pay applications and closeout services. Staff included on-site and back-office support personnel including qualified Construction Managers and Resident Inspectors.

Back office services included general construction management & administration activities, document control, facilitation of pre-construction conference, bid review/ award recommendations work order basis, generation of details and quantities and management of work order process, review of pay applications and recommendations for payment, review proposed change orders for scope and cost reasonableness, prepare contract change orders, issue necessary interpretations and clarifications of the contract documents, evaluate and determine acceptability of substitute or "or-equal" materials and equipment, recommend substantial completion, and prepare substantial completion documentation, prepare/submit record drawings, assist with claims and disputes arising from construction, obtain warranty documentations, and conduct warranty period inspection, prepare and submit any required permits not the responsibility of the contractor to obtain, review contractor request for added days, and special work requests, and reviewing and tracking of material submittals.

Field services included assistance with technical issues arising during construction, assistance in coordination with utilities for relocations, facilitation of progress meetings, and preparation of agendas and minutes, monitoring and tracking of construction progress, recommendations of work to be rejected while in progress if not in accordance with contract, collection of field measurements for estimated pay item quantities, preliminary and final walk-throughs, and preparation of punch list.

Resident inspection services included observation of construction at all times the contractor worked on critical work items, inspection, measurement and appropriately tracking of work completed for pay requests, observation of utility impacts, observation of adjacent areas and/or property impacts, preparation of daily field reports, photograph and/or documentation of work progress, coordination with A/E, DPW, and LADOTD on unforeseen items encountered during construction, coordinate with and monitor work performed by material testing agency, utilities, and other on-site visitors, preparation of memorandums or documentation required for field changes, verification of contractor providing adequate traffic control and site safety procedures, and preparation of incident reports.



**Key Personnel:** Michael Pugh

## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	East Hardy Bridge Design & Replacement	Firm responsibility (prime or sub?)	Subconsultant
Project number	2019-07	Owner's name	SDW Consulting Engineers
Project location	Hattiesburg, MS	Owner's Project Manager	John Weeks
Owner's address, phone, email			301 2nd Ave., Hattiesburg, MS 39401 601.544.1821, john@sd-w.com
Services commenced by this firm (mm/yy)	06/19	Total consultant contract cost (\$1,000's)	\$15M
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$764

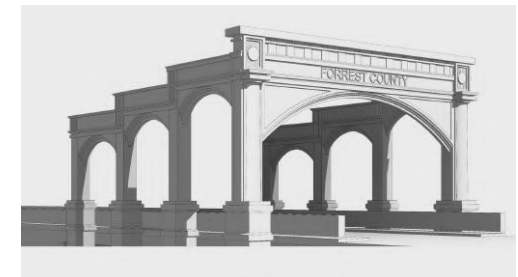
The existing East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Petal, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund. The existing bridge was to be replaced with a new two-lane bridge to be constructed adjacent to the existing structure. The existing bridge is to remain in service while construction of the new bridge is performed. To date, the design phase is complete, which included engineering analyses, plans and specifications, design calculations, and reports to meet the requirements for MDOT roads and bridges standards. Construction notice to proceed is anticipated for early 2021.

Preliminary design services were initiated with review of site data available, which consisted of geotechnical investigation and engineering; topographic and boundary survey; existing bridge as built plans; studies/analysis, environmental assessments, and conceptual road alignment plans pertaining to the project. Upon completion of site data review and coordination, Royal attended the pre-design conference to outline procedures and to discuss contract administration details, design criteria, and to open the floor for client comment and input. Basis of the engineering design was provided and included foundation type, geotechnical conditions, loading conditions, and span arrangements. Royal also provided a structural design basis and criteria document that compiled and summarized the structural design criteria to be used in the design of structure and foundations. The document also included the acceptance criteria (per the latest MDOT Design Manual), as well as an outline of MDOT standard technical specifications for road and bridge construction. Conceptual Design and Field Review Plans depicted all items to be constructed as well as the layout and basis of design for all foundations and superstructure. Drawings included the following: preliminary bridge layout sheets, foundation plan, piling layout, span arrangement, roadway sections and layout, road profiles, typical sections, phase construction sheets, and an opinion of probable cost.

Approval of Field Review Plans was received on schedule, triggering Final Design Services. Final design services involved compilation and delivery of all revisions and changes from field inspection, survey notes, general provisions, estimate of probable cost, preliminary schedule and final contract plans. Bridge layout sheets included complete geometric controls, grades, clearances, topographic features, design data, quantities, and special notes. Substructure and superstructure plans contain pile notes and bearing requirements, pile layout, all dimensions convenient to construction, sufficient cross section details, beam sizes, types and spacing, elevations & crown details, reinforcing details, pile bearing requirements, types and sizes, prestressing data where required, phase construction sheets, notes and proper cross referencing. All design computations, pertinent sketches, quantity estimates, preliminary construction schedule and required special provisions were also provided. Construction engineering services will begin upon construction contract award and will consist of performance of periodic site inspections and quality checks, review and approval of submittals and shop drawings, and response to contractor RFI's concerning technical aspects of the bridge construction. Deliverables conform to applicable MDOT requirements and were prepared in accordance with all applicable codes which include, ASCE, ACI, AISC, ASTM.

### Key Personnel:

Michael Pugh, Carter O'Brien



### 17. Firm Experience:

Firm Name	Batture, LLC	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	City of New Orleans/DPW Streets Projects	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	City of New Orleans
Project location	New Orleans, LA	Owner's Project Manager	Louis Haywood
Owner's address, phone, email			3300 Perdido St, Ste 6W03, New Orleans, LA 70112 504.658.8000, louis.haywood@nola.gov
Services commenced by this firm (mm/yy)	01/16	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$500 (annually)

Batture has been successfully providing land surveying and civil engineering services on City of New Orleans/Department of Public Works projects since 2016. Surveying work is completed in accordance with the DPW standards for street surveys. Drawings include vertical and horizontal project control points, plan & profile drawings, and cross sections. Batture utilized contacts with local utility agencies to plot underground utilities located within the street right-of-way. The majority of these projects are Recovery Roads and Hazard Mitigation projects. They were performed as a subconsultant to firms such as: Greenpoint Engineering, CDM Smith, Design Engineering Inc, Stantec, and Digital Engineering.



**Key Personnel:** Robert Mora, PE, PLS

### 17. Firm Experience:

Firm Name	Batture, LLC	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Fleming Construction Surveying Projects	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Fleming Construction
Project location	New Orleans, LA	Owner's Project Manager	Joe Malley
Owner's address, phone, email			23 E. Airline Hwy, Kenner, LA 70062 504.641.3967, jmalley@flemco.net
Services commenced by this firm (mm/yy)	Varies	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	Varies

Batture, LLC has provided land surveying and engineering support (including construction surveying and drafting) to Fleming Construction on infrastructure projects including water, sewer, drainage, and roadway work since our founding. Our role is to verify existing survey data and construction drawings prior to Fleming mobilizing to the site. During construction, Batture provides layouts of the features to be built. Project deliverables consist of field notes, survey data, and drawings. Projects in Jefferson Parish have included Lynette and Shirley Sewer Lift Station, Improvements to N. Lester Ave. at Canal No. 5, Improvements of Existing Alexis Drive Lift Station, Willowbrook Drive Drainage Improvements Phase II, River Road Waterline Replacement - Ph. II, Improvements to Sewage Lift Station M-12-1A, Maplewood Drive/Pallet Street Drainage Improvements, and Sibley & W. Napoleon Upgrades.



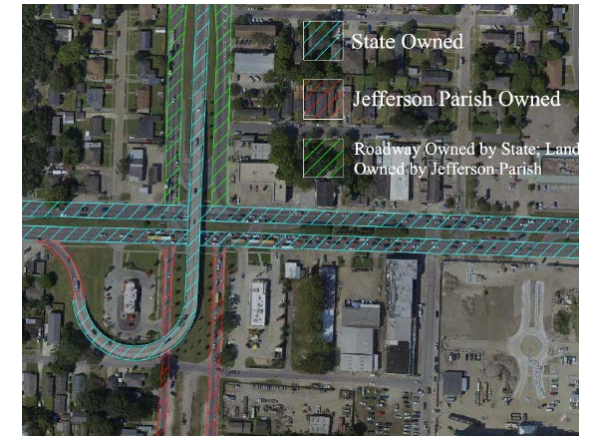
**Key Personnel:**

Robert Mora, PE, PLS

## 17. Firm Experience:

Firm Name	Batture, LLC	Past Performance Evaluation Discipline(s)*	CE&I / OV
Project name	Stage 0/Stage 1 Feasibility Study: Causeway Boulevard at US 90/Jefferson Highway	Firm responsibility (prime or sub?)	Sub
Project number	500C-02545	Owner's name	Regional Planning Commission
Project location	Jefferson Parish, LA	Owner's Project Manager	Jeffrey Roesel
Owner's address, phone, email			10 Veterans Blvd, New Orleans, LA 70124 504.483.8500, rpc@norpc.org
Services commenced by this firm (mm/yy)	03/18	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)	\$152.8

Batture, LLC is assisting Design Engineering, Inc. in generating the Stage 0/Stage 1 report for the improvement of the Causeway Boulevard/Jefferson Highway interchange to accommodate additional traffic from the Ochsner Hospital expansion. The Stage 0 identified various alternatives and potential utilities, environmental constraints, or other issues that could influence the concept's feasibility, timing, and impact on the physical, natural, and human environment. Batture produced the "Environmental Impacts" report section, including DOTD's Stage 0 Environmental Checklist. Batture will provide environmental and surveying services including right-of-way surveying and identify any conflicting issues present for the revised Stage 0 and Stage 1.



### Key Personnel:

Robert Mora, PE, PLS

## 18. Approach and Methodology:

### PROJECT UNDERSTANDING

Design Engineering, Inc. (DEI) will provide Construction Contract Administration, Construction Engineering and Inspection (CE&I) services for the construction of the movable swing span bridge, operator's house, associated substructure elements, and pier protection system along relocated LA 302 in Jefferson Parish and construction of bridge and as well as roadway construction along LA 45 and between LA 45 and LA 3257 in Jefferson Parish:

We understand that these projects consist of the construction of bridge and as well as roadway construction along LA 45 and between LA 45 and LA 3257 in Jefferson Parish and bridge structure consists of a precast pre-stressed girder bridge across Bayou Barataria as well as moveable gates and barriers. DEI will provide Certified Inspectors (Jeff Monfrey, Jeff Puissegur, Wayne Lemoine, and Justin Duncan) to perform resident inspection and field testing for quality assurance. These inspectors meet the DOTD's qualification and certification requirements (see below).

The role of the CE&I contractor is essentially one of Quality Assurance, Document Control, and Project Coordination. The concept of quality assurance refers to the combined efforts of quality control and acceptance processes to assure that the project will provide the public with a durable product exhibiting a high level of performance.

### TEAM EXPERIENCE

DEI, along with GEC, Royal and Batture (DEI Team) have worked together on several projects. This team can provide a large number of certified inspectors, CPM abilities, electrical inspection, bridge inspection, mechanical inspection, construction office managers, final construction audit experience. Additionally, the DEI team is familiar with HeadLight software and iPads. Our team has a large number of project engineers and inspectors in close proximity to the project, that will provide the Department and District a seamless experience and successful project. Our team has completed CE&I projects of varying magnitude, from small overlays to multi-million dollar heavy civil projects and bridge replacements.

DEI team members have  
worked with DOTD for

**35+**  
YEARS

DEI team members have  
worked for DOTD on

**30+**  
CE&I PROJECTS

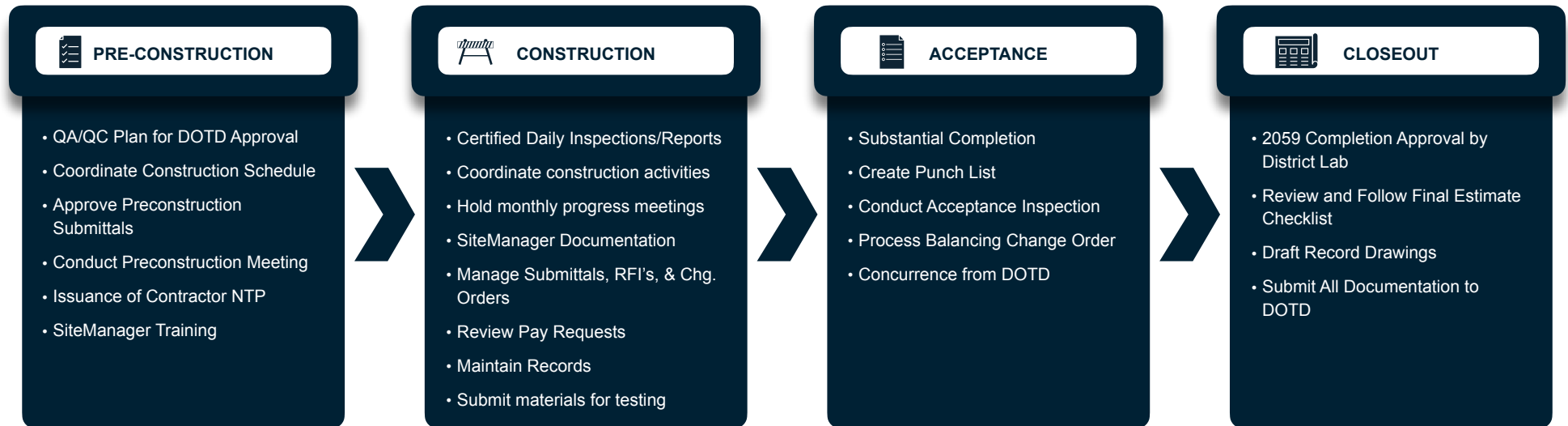
# of projects our team  
members have worked on

**25+**  
TOGETHER



## 18. Approach and Methodology:

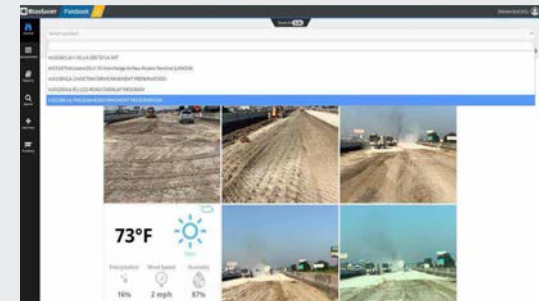
### PROJECT PHASES



Outlined above is a graphical representation of DEI's approach to CE&I Projects. Below are some aspects of this timeline explained in greater detail, including the delegation of personnel to said tasks:

### PRE-CONSTRUCTION PHASES

- **QA/QC Plan:** Upon contract award, DEI's Engineers (Ben Bartlett, Brent French, Brett Liuzza) will submit a QA/QC Plan to the DOTD within ten (10) business days.
- **Pre-Construction Meeting:** DEI's lead Project Engineer (Bartlett) and Construction Manager (Jay Rafferty) will coordinate with the Entity and the DOTD District personnel to schedule and conduct the pre-construction meeting, which will be based on the DOTD's Pre-Construction Meeting Checklist.
- **SiteManager Training:** SiteManager will be used for construction management on this project. If required, DEI will train personnel in the use of this program with the help of an assigned DOTD trainer.



DEI team member, GEC, is one of the first firms to utilize HeadLight software for a DOTD CE&I project. Additionally, Beth Roberts (GEC) is highly trained in the DOTD Manager Materials program and how it integrates with SiteManager. She will assure sample IDs and test results are maintained to meet DOTD required formats and will assist the inspectors and Project Engineer in compiling and finalizing the 2059 materials Summary Report.

## 18. Approach and Methodology:

### CONSTRUCTION PHASES

- **Construction Coordination:** DEI's Project Engineer and Construction Manager will coordinate construction activities with the Entity, the FWHA, and a DOTD representative. They will also hold conferences, perform site visits, and carry out inspections with DOTD representatives. DEI will obtain approval from the DOTD for material, equipment, and construction procedures. DEI will also seek DOTD approval before changing any plans.
- **CPM Schedule Review:** DEI's project team is intimately familiar with Project CPM schedules and their importance. Projects of this magnitude often have critical milestones and deadlines. Thorough review of the monthly Schedule will be provided by the DEI team.
- **Inspection:** DEI's Resident Inspectors will perform daily inspections of construction operations to ensure that all operations are in accordance with the project plans and specifications. They will perform resident inspection of erosion control devices and report any deficiencies to the Firm. Along with representatives from the DOTD and the Entity, they will also perform inspection of pre-cast materials. Additionally, the team will meet with the DOTD Statewide Sign Inspector to ensure that construction signage is compliant with MUTCD and Traffic Control standards.
- **Maintain Records:** DEI's Construction Manager will maintain all construction field records and make daily entries in the project diary. He will keep clear and concise records of the contractual operations, prepare monthly pay estimates, and make monthly progress reports. Additionally, he will monitor and document all construction claims and provide recommendations for claim disposition.
- **Submittals/RFIs:** The DEI engineers will coordinate with the Entity's Engineer/Representative for all relocations/adjustments of utility facilities for the construction of the work site. They will prepare all submittal approvals and change orders, as well as manage the RFI process.
- **Change Orders and Claim Defense:** DEI's project managers have successfully navigated numerous claims and change orders throughout their careers. The DEI team is familiar with the DOTD change order process and will work with the DOTD to ensure any necessary project change orders are seamless.
- **Materials Testing:** DEI will submit all sampled materials to be tested by the DOTD District 62 Testing Laboratory. In the event that the DOTD's testing laboratory is unavailable, tests will be performed at Eustis Engineering's testing facility.

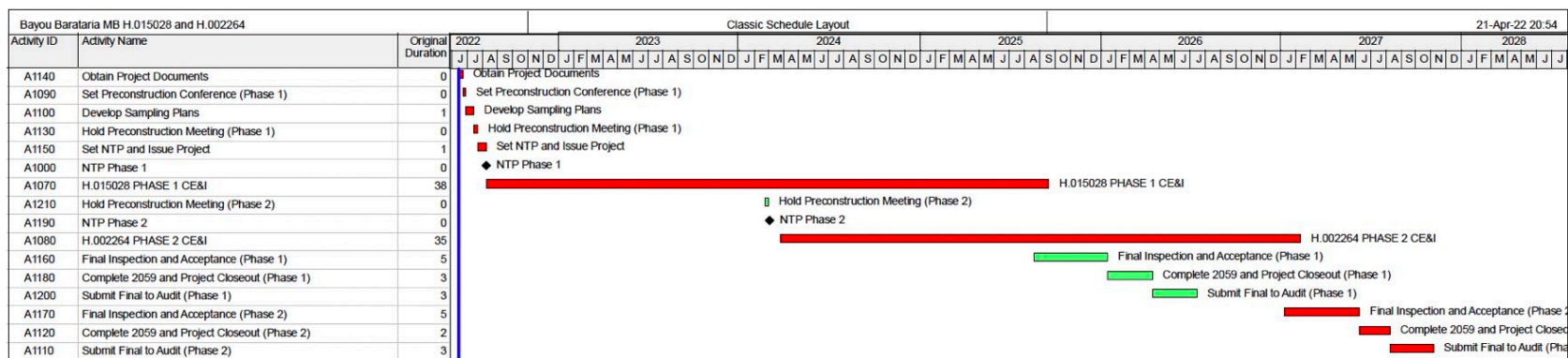


MacArthur Drive



Fleur De Lis Drive

### SAMPLE PROJECT SCHEDULE



## 18. Approach and Methodology:

### ACCEPTANCE PHASE

- **Acceptance Inspection:** Upon substantial completion, the DEI team will perform a final inspection of the project area with representatives for the contractor and the DOTD present.
- **Punch List:** Based on the findings of the final inspection, DEI's Construction Manager will create a punch list of any remaining tasks to perform.





Manhattan Boulevard

### CLOSEOUT PHASE





- **Final Estimate Packages:** DEI will prepare final estimate packages, including Form 2059 – “Summary of Test Results”
- **Final Checklist:** DEI's Construction Manager will review final estimate checklist
- **As-Built Plans:** The DEI engineering team will create As-Built Plans to represent the work performed on the roads, including all plan changes. They will be submitted to the DOTD with the final estimate.
- **Document Submittal:** To complete the project, all documentation will be submitted to the DOTD

LADOTD Certifications	Inspectors									Engineers							
	Jay Rafferty	Jeff Monfrey	Jeff Puissegur	Wayne Lemoine	Justin Duncan	Chris Barrilleaux	Dewayne Lewis*	Daniel Mayeux	Gerald Grantadam	Ben Bartlett	Brent French	John Karlin	Brett Liuzza	Brady Pechon	Carter O'Brien	Courtney Kall	Billy Fontentot
Asphalt Paving		X					X	X	X								
Embankment & Base Course		X	X			X											
Structural Concrete		X		X			X	X	X								
Portland Cement Concrete Paving		X	X						X								
Traffic Control Technician	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Traffic Control Supervisor	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Flagger	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X





19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
	CE&I/OV	H.007273	Magazine St. (Leake Avenue to East Drive) Orleans Parish	\$256,739
	CE&I/OV	H.002956.5	Earhart Expressway at Dakin Street, Route LA 3139 Jefferson Parish	\$118,900


19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
 Gulf Engineers & Consultants	Planning	SP# 4400016958	Road Transfer Program Management, Statewide ( <i>Note: Unlikely to bill this entire amount</i> )	\$1,743,721
 Gulf Engineers & Consultants	Planning	Contract #'s 4400006551, 4400006552 & 4400006553	Retainer Contracts for Comprehensive Strategic Advisory Related to Louisiana Transportation Authority (LTA) Participation In Public-Private Partnerships (PPP) (Sub to HNTB)( <i>No Task Orders Issued</i> )	N/A
 Gulf Engineers & Consultants		SP# H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	
	Road		Geometrics	\$70,810
	Bridge		Bridge Study	\$98,664
	Environmental		Environmental	\$22,584
	ITS		ITS	\$19,447
	Other		Program Management (\$131,219), Electrical (\$301,419)	\$432,638
	Geotechnical		Geotechnical (Task Closed)	\$51,213
 Gulf Engineers & Consultants		S.P.# H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	
	Bridge		Bridge	\$205,112






19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
	ITS		ITS	\$168,789
	Other		Project Management (\$435,309), Retaining Walls (\$211,202), Sound Walls (\$128,334) & Electrical (\$1,409,387)	\$2,184,232
		S.P.# H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	
	Road		Road	\$572,410
	Bridge		Bridge	\$174,600
	ITS		ITS	\$28,665
	Other		Project Management (\$100,002), Sound Walls (\$44,640) & Electrical (\$16,335)	\$160,977
	Bridge	SP# H.008145.5	Leeville to Golden Meadow (Phase 2) Route LA 1 Relocated (Sub to HNTB)	\$0
		SP# H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	
	Bridge		Bridge	\$148,795
	Other		Electrical	\$89,107
	Bridge	Contract # 4400010099	Retainer Contract for Off-System Complex Bridge Load Rating (Sub to Forte & Tablada)	




19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
		TO# H.012485.1	Rating of Off-system Bridge Structures	\$19,056
		TO# H.092481.5	Off-System Load Testing and Evaluation	\$14,800
	ITS	Contract # 4400009327	Retainer for Intelligent Transportation Systems	
		TO# H.014512	Monroe Regional ITS Architecture Update ( <i>Note: Contract Expired. Remaining amounts will not be billed.</i> )	\$44,245
		TO# H.012381.5-1	Fiber Optic Mapping and Management ( <i>Note: Contract Expired. Remaining amounts will not be billed.</i> )	\$38,242
	Other	Contract # 4400011354	IDIQ Contract for Electrical Statewide	
	(Electrical)	TO# H.013442.6	I-10: Crowder Boulevard Interstate Lighting	\$47,379
		TO# H.013617.5	I-610E Interchange Lighting	\$40,366
		TO# H.014552.5	I-49: LA 31 Interchange Lighting (Opelousas) ( <i>Note: Survey T.O. Work performed by GOTECH.</i> )	N/A
		TO# H.014553.5	I-49: LA 3233 Interchange Lighting (Opelousas) ( <i>Note: Survey T.O. Work performed by GOTECH.</i> )	N/A
		TO# H.012469.5	US 190: BRB-Navigation Light Replacement	\$7,449
		TO# H.014556.5	I-49: US 190 Interchange Lighting (Opelousas) ( <i>Note: Survey T.O. Work performed by GOTECH.</i> )	N/A


19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
		TO# H.014557.5	I-49: Judge Walsh Drive Interchange Lighting (Opelousas) <i>(Note: Survey T.O. Work performed by GOTECH.)</i>	N/A
	Other (Electrical)	S.P. # H.004774.5 & H.007300.6	Kansas Lane - Garrett Road Connector and I-I-20 Improvements, Ouachita Parish (Sub to Lazenby & Associates, Inc.)	\$2,100
	Other	Contract # 4400002746	Retainer Contract for Electrical Services (Sub to Buchart-Horn)	
	(Electrical)	TO# H.012601.6	I-10: Read Boulevard Interstate Lighting	\$0
		TO# H.012602.6	I-10: Morrison Road Interstate Lighting	\$0
	CE&I/OV	Contract # 440013710	Retainer Contract for CE&I, Statewide with the Majority of Work in District 03	
		TO# H.003014.6	I-10 Widening and Reconstruction (LA 37 to ATR BR.) St. Martin and Lafayette Parishes	\$53,035
		TO# H.010601.6	I-10 Widening and Reconstruction (LA 328 - LA 347)	\$347,341
	CE&I/OV	S.P. # H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	\$0
	CE&I/OV	Contract No. 4400019950	IDIQ for CE&I, Statewide, with Majority of Work in District 03	
		TO# H.002735.6	Bayou Vermillion Bridge	\$113,708
		TO# H.003003.6	I-10: I-49 - LA 328	\$60,355


19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
		TO# H.002151.6	Bayou Parc Perdue and Creek Bridges	\$187,825
	CE&I/OV	Contract # 440005410	Retainer Contract for CE&I w/Painting Inspection & Environmental Monitoring, Statewide (Sub to GPI)	
		TO# H.009479.6	W. Larose Vertical Lift Bridge Rehab., Route LA 1	\$0
	CE&I/OV	Contract # 440014315	Retainer Contract for Painting Inspection & Environmental Monitoring with CE&I, Statewide (Sub to GPI)	
		TO# H.003370.6	1-220/1-20 Interchange IMP & BAFB Access	\$168,580
		TO# H.010000.6	US 1 71 : Calcasieu River Bridge Repairs	\$195,517
	CE&I/OV	Contract # 4400017329	Retainer Contracts for Innovative Procurement and Alternative Delivery Support Services (Sub to HNTB Corporation) <i>(No Task Orders Issued)</i>	N/A

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
	N/A	N/A	N/A	N/A

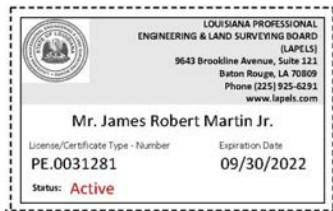
19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
 BATTURE ENGINEERS • LAND SURVEYORS	N/A	N/A	N/A	N/A

## 20. Certifications/Licenses:

### DEI

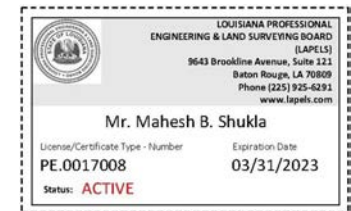
James Martin, Ph.D., P.E.



John Holtgreve, P.E.



Mahesh Shukla, P.E.



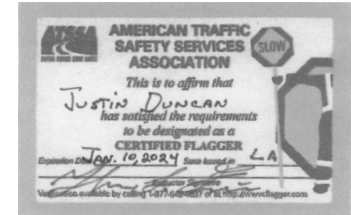
Benjamin Bartlett, P.E., PTOE



Collin Gillen, EI



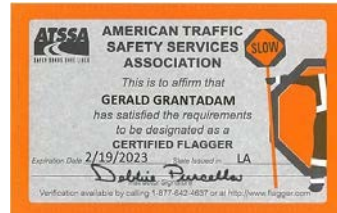
Justin Duncan



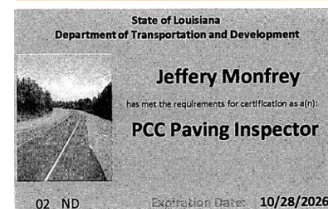
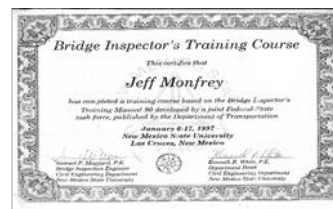
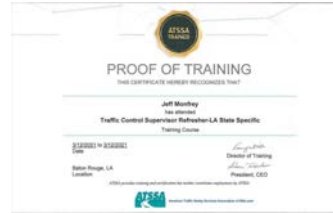
## 20. Certifications/Licenses:

### DEI

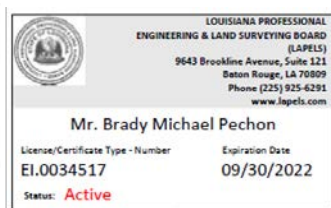
Gerald Grantadam



Jeff Monfrey



Brady Pechon



Brent French, P.E.



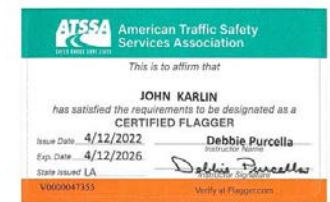
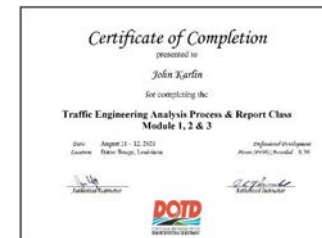
## 20. Certifications/Licenses:

### DEI

Brett Liuzza



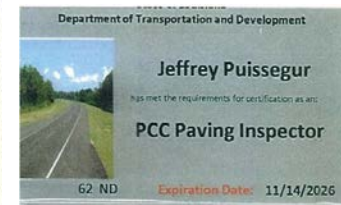
John Karlin, SE, P.E.



Jay Rafferty



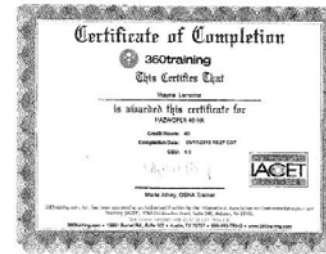
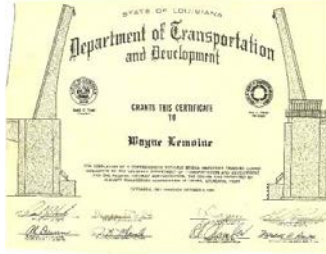
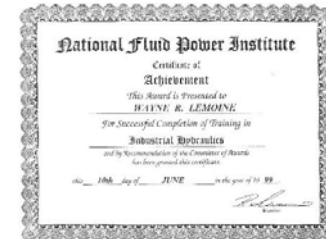
Jeff Puissegur



## 20. Certifications/Licenses:

DEI

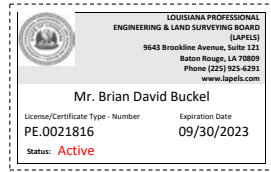
Wayne Lemoine



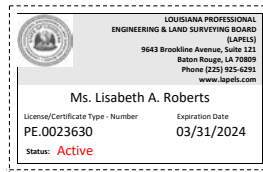
## 20. Certifications/Licenses:

### GEC

Brian Buckel, P.E.



Beth Roberts, P.E.



Dwayne Lewis



Daniel Mayeux



### Royal

Michael Pugh, P.E.



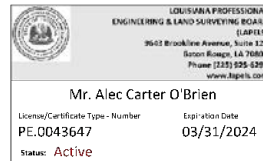
William Fontenot, Jr., P.E.



Courtney Kall, P.E.



Carter O'Brien, P.E.






Chris Barrilleaux



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

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22. Subconsultant information:

<b>Firm Name</b> (as registered with Louisiana's Secretary of State)	<b>Address</b>	<b>Point of Contact &amp; email address</b>	<b>Phone Number</b>
	8282 Goodwood Blvd. Baton Rouge, LA 70806	Brian Buckel, P.E. bbuckel@gecinc.com	225.612.4260
	1501 Religious Street, Suite C New Orleans, LA 70130	Michael Pugh, P.E. mpugh@royalengineering.net	504.283.9400
	5110 Freret Street New Orleans, LA 70115	Robert Mora, PLS, PE bmora@batture-eng.com	504.261.7143

23. Location:

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18 April 2022

**PROJECT OWNER**

State of Louisiana  
Department of Transportation and Development  
5080 Florida Boulevard  
Baton Rouge, Louisiana 70806

**SUBMITTING RESPONDENT**

Design Engineering, Inc.  
Attention: Mr. Jim Martin, PhD, P.E.  
Email: [jmartin@dei-engr.com](mailto:jmartin@dei-engr.com)

Engineering and Related Services  
Contract No. 4400024021  
Contract for LA 302: Bayou Barataria MB Replacement, Phase 1  
State Project No. H.015028 (CE&I)  
F.A.P. No. H015028  
Route: LA 302  
Jefferson Parish, Louisiana

Contract No. 4400024022  
Contract for LA 302: Bayou Barataria MB Replacement  
State Project No. H.002264 (CE&I)  
F.A.P. No. H002264  
Routes: LA 302, LA 47 and LA 3257  
Jefferson Parish, Louisiana

Ladies and Gentlemen:

This letter is to state that, should Design Engineering, Inc. be selected for the subject contract, they will have access to **Eustis Engineering L.L.C.**'s qualified independent testing laboratories if needed. Details of our services, staffing capabilities, and accreditations are provided below along with potential limitations for this project.

LOUISIANA TEXAS MISSISSIPPI  
[www.eustiseng.com](http://www.eustiseng.com) T. 1 800 966 0157

LaDOTD Bayou Barataria MB Replacement Projects  
18 April 2022

**CONTACT FOR THIS SUBMITTAL**

**Name:** Gwendolyn P. Sanders, P.E.  
**Title:** President  
**Address:** 3011 28<sup>th</sup> Street, Metairie, Louisiana 70002  
**Telephone:** 1-504-834-0157  
**Email:** [gsanders@eustiseng.com](mailto:gsanders@eustiseng.com)

**LABORATORY SERVICES**

Eustis Engineering's laboratories are constantly evolving with the purchase of new equipment on a yearly basis. Our gINT® data management software from Bentley allows for maximum efficiency in production of boring logs and data entry.

Eustis Engineering has also recently acquired OpenGround®, Bentley's Cloud platform, which interfaces with a collection of geotechnical applications. OpenGround provides a comprehensive solution for collecting, reporting, managing, visualizing, analyzing, and accessing data. Its advanced digital workflows combine both subsurface and surface data into one cohesive design. This software will provide Eustis Engineering's team members access to a data source via connected applications or a web portal, increasing collaboration and efficiency. The improved access and reliability will save time and money in the planning, design, analysis, construction, and operation of infrastructure projects.

Eustis Engineering has also acquired KeyLAB® from Bentley. KeyLAB is the leading laboratory management system built specifically for geotechnical and construction materials testing laboratories. It improves our laboratory efficiency at every stage of the geotechnical and construction testing process, including sample and storeroom management, as well as electronic scheduling, testing, and reporting. It integrates with Microsoft Excel® allowing for the efficient development of easily customized worksheets and reports.

Technical testing common to our laboratories includes ASTM, ACI, LaDOTD, AASHTO, FAA, and USACE. Our laboratories hold accreditations from AASHTO, LaDOTD, and the USACE.

#### Laboratory Staffing

Eustis Engineering currently has qualified technicians to sample construction materials and perform soil mechanics laboratory testing. These technicians are versed in the latest standards from ASTM, LaDOTD, MDOT, AASHTO, FAA, and the USACE. Many of our technicians have earned certifications with the National Institute for Certification in Engineering Technologies (NICET) in the area of geotechnical engineering technology and in the subfields of construction, exploration, generalist, and laboratory.

#### Laboratory Quality Control

In our effort to ensure the quality of our laboratory and materials testing, our programs are regularly inspected by outside agencies such as the U.S. Army Corps of Engineers, the AMRL Group of the American Association of State Highway and Transportation Officials, and the CCRL Group of AASHTO. Eustis Engineering is also accredited by the Mississippi Department of Transportation.

Eustis Engineering has three soil mechanics laboratories where our laboratory practices and quality management system meet the requirements of AASHTO R-18 and ASTM E329. These offices are located in Metairie, Baton Rouge, and Gulfport. Individual offices may comply with ASTM quality system specifications including ASTM C1077, ASTM D366, and ASTM D3740. Distribution of accreditations in the various areas are shown in the following table.

Metairie	Baton Rouge	Gulfport
Aggregate	Aggregate	Aggregate
Asphalt	Soil	Asphalt
Concrete	Concrete	Concrete
Masonry	Masonry	Soil
Soil	Spray Fire-Resistive Material	Spray Fire-Resistive Material

To show further that quality is paramount to Eustis Engineering, we have two individuals in charge of maintaining quality in our testing. Travis R. Richards, P.E., is the engineer-in-charge. Timmy Holleman, dedicated Quality Control Manager, oversees the calibration of our equipment and maintenance of our quality system. The biggest reward of our quality system is knowing our clients are confident that our testing laboratories produce the highest quality results and conform to state and national standards.

#### **CONFLICT OF INTEREST PROVISION**

Please note that Eustis Engineering L.L.C. is the geotechnical engineer of record for the bridge replacement. Thus, we will be performing an engineering during construction role that will likely include review of test results.

In accordance with 23 CFR § 637.209 and to avoid any conflict of interest, we will be limited to performing only one of the following types of testing on the same project: verification testing, quality control testing, IA testing, or dispute resolution testing. This may limit our capacity on this project.

#### **CONCLUSION**

By signing below, Eustis Engineering L.L.C. confirms their willingness to provide laboratory services to Design Engineering, Inc. as needed and subject to the limitations noted above to ensure their effective and timely completion of all services associated with this project.

Thank you for your consideration. We look forward to working with you.

Yours very truly,

EUSTIS ENGINEERING L.L.C.



GWENDOLYN P. SANDERS, P.E.

GPS:jjf

# AWARDS

- **Award of Merit** from the ACI, Louisiana Chapter for St. Andrew Street Wharf Erosion Mitigation (2022)
- **Award for the Top Engineering Firm** from the City Business (2021)
- **Award for the Top Engineering Firm** from the City Business (2020)
- **Award of Excellence** from ACI Louisiana Chapter for Replacement of Sewage Pumping Station No. 8 (2019)
- **Award of Merit** from ACI, Louisiana Chapter for West Esplanade Avenue Crossing Project (2019)
- **Award of Excellence in Historic Preservation** from The La Landmarks Society for 419 Carondelet Project (2019)
- **Award of Excellence in Historic Preservation** from The La Landmarks Society for 822 Howard Project (2017)
- **Overall Best Concrete Project** from ACI Louisiana Chapter for MacArthur Interchange Completion Project – Phase 1B (2016)
- **Award of Excellence** from ACI Louisiana Chapter for MacArthur Interchange Completion Project – Phase 1B (2016)
- **Award of Excellence** from the ACI, Louisiana Chapter for Seawall Erosion Control Paving Project – Reach 1B (2014)
- **Most Improvement to the Public Award** from the ACI, Louisiana Chapter for Seawall Erosion Control Paving Project – Reach 1B (2014)
- **Overall Best Project** from the ACI, Louisiana Chapter for Planter's Pump Station Frontal Protection (2012)

- **Award for Concrete Sustainability** from the ACI, Louisiana Chapter for Planter's Pump Station Frontal Protection (2012)
- **Award of Excellence** from the ACI, Louisiana Chapter for Planter's Pump Station Frontal Protection (2012)
- **USACE – New Orleans District Certificate of Appreciation**, for Exceptional Achievement in support of the Mississippi Valley Division's New Orleans District and the Execution of the Hurricane and Storm Damage Risk Reduction System (2012)
- **Exceptional Project Rate**, for LPV 106, US Army Corps of Engineers Hurricane Protection Office (2012)
- **Award of Merit** from ACI for the Plaza Area Paving at Stepped Seawall on Lakeshore Drive (2005-2006)
- **Award of Excellence** from ACI for the Lakeshore Drive – London Avenue Canal Bridge Replacement (2003)
- **Award of Merit** from ACI for the Retaining Wall Restoration at the New Orleans Lakefront Airport (2001)
- **Creative Design Utilizing Precast and Prestressed Concrete** from PCI for the East Approach to Stars and Stripes Boulevard (1999)
- **Concrete Project Award** from G.S.P.C.A. for Best Project for Stars and Stripes Boulevard East and West Approach (1997 – 1998)
- **Best Project of the Year** award from ACI, Louisiana Chapter for East Approach to Stars and Stripes Boulevard (1997)
- **Award of Excellence** from the ACI, Louisiana Chapter for East Approach to Stars and Stripes Boulevard (1997)



**Best Project Award**  
OLD East & West Approach  
to Stars & Stripes Blvd.



**Award of Merit**  
OLD Retaining Wall Restoration  
at the New Orleans Lakefront Airport



**Award of Excellence**  
OLD London Avenue Canal  
Bridge Replacement



**Award of Merit**  
OLD Plaza Area Paving at  
Stepped Seawall on Lakeshore Dr.



**Exceptional Project Rate**  
USACE LPV 106  
(Citrus Lakefront Levee)



**Overall Best Project, Award of Concrete Sustainability & Award of Excellence**  
Planter's Pump Station  
Frontal Protection



**Award of Excellence & Most Improvement to Public**  
OLD Lakeshore Dr. Seawall  
Area Erosion Control Paving



**Best Overall Concrete Project & Award of Excellence**  
MacArthur Interchange Completion  
Project – Phase 1B



**Award of Excellence in Historic Preservation**  
822 Howard Avenue Project