

CONTRACT NO. 4400027210
STATE PROJECT NO. H.012859.5
FEDERAL AID PROJECT NO. H012859

ENTITY CONTRACT FOR CIVIC CENTER BLVD @ VALHI BLVD TERREBONNE PARISH



Submitted to:
Louisiana Department of Transportation and Development

Submitted by:
Royal Engineers and Consultants, LLC
July 13, 2023



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Department of Transportation and Development Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802-4438

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TERREBONNE PARISH



Dear Consultant Selection Committee,

Royal Engineers and Consultants, L.L.C. (Royal) respectfully requests your review and consideration of the enclosed proposal prepared in response to the Department's advertisement for Engineering and Related Services constructing a roundabout at the intersection of Civic Center Boulevard and Valhi Boulevard, in Houma, Louisiana.. Since 2005, Royal has delivered multi-discipline professional engineering, construction and program management, and resident inspection services for industry, government, and the private sector across the Gulf Coast and is fully licensed, bonded, and insured to do so. Additionally, Royal has provided construction engineering and inspection for complex roadway programs across Louisiana, totaling more than \$500 million.

With offices in Baton Rouge, New Orleans, and Lafayette, staffed with specialists in roadway design and construction, the Royal Team is positioned to mobilize immediately and perform the requested services within the parameters established. We have strategically partnered with Neel-Schaffer for added resources and depth. Several members included in this proposal have a successful history of working together to deliver roadway projects. Royal has also procured DBE firm The Beta Group Engineering and Construction Services, LLC to provide geotechnical services as needed. Through our carefully selected team of professionals, we are committed to providing the Department and Terrebonne Parish the full suite of construction engineering and inspection services required and confident we will surpass expectations. Our proposed team meets or exceeds the specified minimum requirements and is organized to meet the needed services described in Attachment A of the advertisement. The Royal Team's statement of qualifications contained herein is submitted in direct response to the referenced advertisement. It highlights our relevant experience and expertise and articulates our unique capabilities to perform needed services in a timely and professional manner within budget.

Royal has a long history of service in Terrebonne Parish, including project management, construction management and administrative support for the Parish's Hurricane Ike recovery program.

We appreciate the opportunity to respond and look forward to working with the DOTD and Terrebonne Parish. Please direct communication related to the advertisement to our Primary Point of Contact, Michael Pugh, by phone at (504) 283-9400 or via email at mpugh@royalengineering.net.

Sincerely,

Michael Pugh, P.E., President
Royal Engineers and Consultants, LLC



DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	ENTITY CONTRACT FOR CIVIC CENTER BLVD @ VALHI BLVD TERREBONNE PARISH
2. Contract Number(s) as shown in the advertisement	4400027210
3. State Project Number(s), if shown in the advertisement	H.012859.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Royal Engineers and Consultants, L.L.C.
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.0003328
6. Prime consultant mailing address	1501 Religious Street New Orleans, LA 70130
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1501 Religious Street New Orleans, LA 70130
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Michael Pugh, P.E., President 504-283-9400 mpugh@royalengineering.net
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Michael Pugh, P.E., President 504-283-9400 mpugh@royalengineering.net

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

<p>10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p>	<div style="text-align: center;">  </div> <hr/> <p>Signature above shall be the same person listed in Section 9:</p> <hr/> <p>Date: July 13, 2023</p>				
<p>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.</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><u>Firm(s):</u></td> <td style="width: 50%;"><u>Firm(s)' %:</u></td> </tr> <tr> <td>The Beta Group Engineering & Construction Services, L.L.C.</td> <td style="text-align: center;">5%</td> </tr> </table>	<u>Firm(s):</u>	<u>Firm(s)' %:</u>	The Beta Group Engineering & Construction Services, L.L.C.	5%
<u>Firm(s):</u>	<u>Firm(s)' %:</u>				
The Beta Group Engineering & Construction Services, L.L.C.	5%				

12. Past Performance Evaluation Discipline Table:

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

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

Past Performance Evaluation Discipline(s)	% of Overall Contract	Royal	Neel-Schaffer	Batture	The Beta Grp	Each Discipline must total to 100%
Road	80%	90%	10%	0%	0%	100%
Geotech	5%	0%	0%	0%	100%	100%
Survey	15%	0%	0%	100%	0%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	72%	8%	15%	5%	100%

13. Firm Size:

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

The DOTD Job Classification(s) to be used can be found at the following link:

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

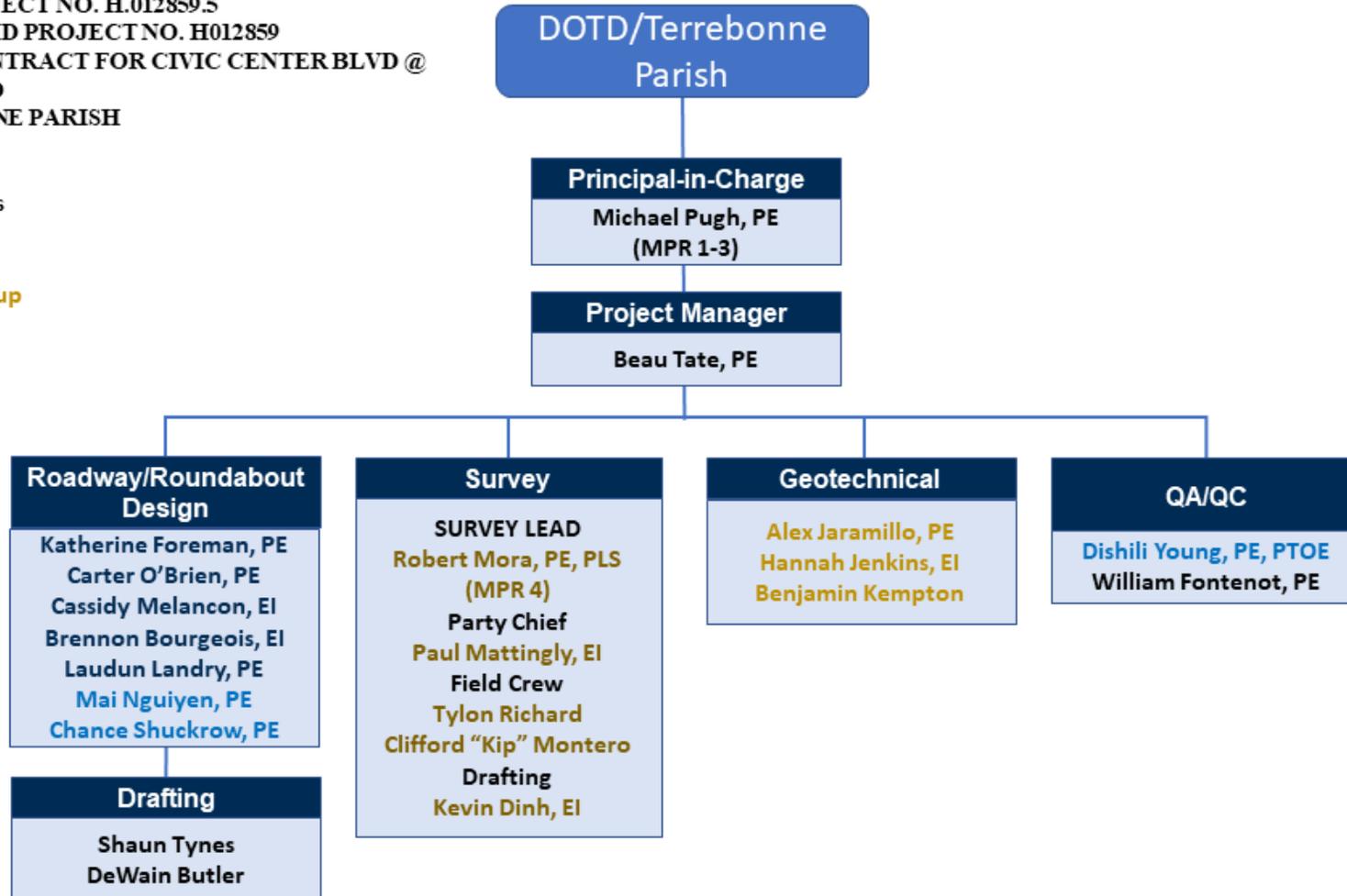
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Royal Engineers and Consultants, LLC	Principal	1	4
	Engineer	3	5
	Engineer Intern	2	4
	Supervisor - Engineer	2	2
	Drafter	2	3
Neel-Schaffer, Inc	Engineer	3	3
	Supervisor – Engineer	1	1
	Engineer Intern	1	1
Batture, LLC	Surveyor	1	1
	Party Chief	2	2
	Cad Operator	1	2
	Engineer Intern	1	2
The Beta Group	Inspector	1	1
	Technician	2	25
	Engineers	2	2

(Add rows as needed)

14. Organizational Chart:

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Subconsultants
 Neel-Shaffer
 Batture
 The Beta Group



15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Michael Pugh, PE	Royal	PE Civil 30911	LA	3-31-2024
2	Michael Pugh, PE	Royal	PE Civil 30911	LA	3-31-2024
3	Michael Pugh, PE	Royal	PE Civil 30911	LA	3-31-2024
4	Robert Mora, PE, PLS	Batture	PLS / 5042	LA	9-30-2024

(Add rows as needed)

16. Staff Experience:

Firm employed by: Royal Engineers and Consultants				
Name	Michael Pugh, PE		Years of relevant experience with this employer	17
Title	Principal-in-Charge		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		Principal, MPR 1-3		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
28 years of experience	Mr. Pugh has over 28 years of experience in the design of roadway plans and the construction management of roadway and drainage systems. He 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 eight states, including Louisiana.			
06/18 - 06/19	<p>Citywide Construction Administration and Resident Inspection Services for Sewerage and Water Board of New Orleans and City of New Orleans DPW Cooperative Agreement – New Orleans, LA</p> <p>Principal in Charge of team contracted to provide construction management and inspection services for annual maintenance contractors in five (5) maintenance zones, performing repair and restoration of pavement and associated infrastructure, including utility repair and replacement (water, sewer & drainage), sidewalks, ADA-Compliant Ramps, as well as replacement and repair to associated infrastructure., with a monthly total of 30-35 sites per maintenance zone. Responsibilities included team mobilization, including serving as principal engineer and assignment of senior project manager, lead project manager, scheduler, lead technician to coordination construction and inspection who is always on-site, lead and associated inspectors, project engineers, and associate technicians for document control and QA/QC of documentation.</p>			
11/19 - Ongoing	<p>City of New Orleans Roadway Restoration Program CM and Inspection – New Orleans, LA</p> <p>Principal Engineer on the Royal team contracted by the Department of Public Works (DPW) to provide construction management and resident inspection services for the City of New Orleans Roadway Restoration Program CM and Inspection. This project includes restoration of parish concrete and asphalt roadways and associated infrastructure (<i>i.e.</i>, 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, resident inspection, and closeout services.</p>			
02/15 - Ongoing	<p>St. Bernard Parish Government Pre-Cast Con-Span Canal Crossings Engineering and CM Services – St. Bernard, LA</p> <p>Principal Engineer on team contracted for civil engineering, design, surveying, geotechnical, field layout, bidding, construction administration, resident inspection, technical/engineering project close-out, construction management (CM) services. Responsibilities included project governance, subject matter expert for design input, and team mobilization for the replacement of 6 culverts with pre-cast Con-Span structures and increasing the existing hydraulic capacity of the canal.</p>			

03/17 - 05/19	<p>Lafayette Regional Airport, Taxiway F Phase III Enabling Project – Lafayette, LA</p> <p>Civil Engineering Subject Matter Expert on team providing construction management services for the Taxiway Foxtrot Phase III construction project located at the Lafayette Regional Airport which includes the creation of a parallel taxiway for Runway 4L-22R and a connector taxilane to extend Taxilane A to provide access to the new terminal. Responsibilities included performing a project constructability review.</p>
09/19 - 03/20	<p>MaxPave Roadway Program: PM/CM of Utility Rehabilitation – New Orleans, LA</p> <p>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. The project involves 50 to 75 service cuts weekly to conduct the needed point repairs to the sewer and water infrastructure. Completed on-time and on-budget, Mr. Pugh's primary duties included client service management and civil engineering and utility impacts subject matter expertise.</p>
12/10 - 01/17	<p>Regional Transit Authority Streetcar Expansion Program – Construction Management Plus</p> <p>Principal-in-Charge for this streetcar expansion program, where Royal provided construction management and inspection services, document administration, and change order management. Services also included estimating and review of potential change orders and monitoring differing site conditions encountered during construction. The project consists of 14,400 track feet of continuously welded rail, installation of the half grand union at Canal and N. Rampart, an embedded double cross over at Frenchman & Elysian Fields, refurbishment of over 40 historic light poles to include LED bulbs, overhead catenary system installation, installation of traction powered substation, utility relocation and upgrades, and road milling and repaving. Mr. Pugh's team observed demolition, excavation, utility re- location, concrete, asphalt, earthwork, and track-work to ensure compliance with drawings and specifications.</p>
11/10 - 08/11	<p>Bloski Avenue Extension – Belle Chasse, LA</p> <p>Principal Engineer 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 a 1,300-foot asphalt roadway and included the construction of stormwater drainage, sidewalks, concrete driveways, and solar street lighting. Through value engineering efforts, Mr. Pugh reduced NAVFAC's cost by \$800K and reduced the project schedule by 50 days. 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).</p>
03/07 - 10/09	<p>Roadway Restoration Project – St. Bernard Parish, LA</p> <p>Lead Design Engineer and Project Principal responsible for engineering, roadway plans/design, and construction management services 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.</p>
01/98 - 08/00	<p>DOTD: Off System Bridge Program – Iberia Parish, LA</p> <p>Mr. Pugh was responsible for maintaining and supervising all Iberia Parish's Off-System Bridge Program projects. This project included intermediate inspection of bridges, recommendations for repairs, supervised repair work, coordination with DOTD and Parish officials, and maintenance of detailed bridge files.</p>

Firm employed by: Royal Engineers and Consultants				
Name	Beau Tate, PE		Years of relevant experience with this employer	14
Title	Senior Engineer		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS /1998/ Civil Engineering		
Active registration number / state / expiration date		Professional Engineer, Civil: LA #30990 (Exp. 03/31/24)		
Year registered	2004	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities		Responsible Charge/Project Manager, Overall management of the project		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
22 years of experience	Mr. Tate has 22 years of experience managing and delivering civil, coastal, and environmental projects for private as well as governmental organizations. His specific civil design project experience includes but is not limited to asphalt and concrete roadway design, materials testing, concrete repairs to existing parking lots and roadways, drainage design, utility infrastructure, and design in accordance with LADOTD and AASHTO design guidelines and specifications. Mr. Tate has successfully collaborated with various local, state and federal agencies such as, DOA/FP&C, OCD-DR, LADOTD, LDEQ, GOHSEP, FEMA, USACE, and USEPA.			
2021	<p>Polly Lane Extension, Lafayette, LA</p> <p>Role: Project Manager and Lead Engineer. Contracted services: Design services for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section to Verot School Road. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to the existing roadway is 930 linear feet. Responsibilities: Design services and oversight.</p>			
08/15-01/22	<p>IBERIA STREET SIDEWALK AND PEDESTRIAN BRIDGE DESIGN: Youngsville, LA. Senior Engineer responsible for design, bidding, and construction management services for the installation of a new sidewalk and pedestrian bridge to promote walking and bicycle traffic in the community along Iberia Street located in Youngsville. A cost analysis was performed on 3 variations of sidewalk (concrete, asphalt, and environmentally green rubberized sidewalk). Design services included a drainage analysis of the area to incorporate subsurface drainage into the system and the selected rubberized sidewalk and a pedestrian bridge. Plans and specifications were prepared in accordance with DOTD standards.</p>			
12/17-02/22	<p>CAMELLIA/ SETTLERS TRACE TURN LANE: Lafayette, LA. Senior Engineer on the team providing engineering services to the Lafayette Consolidated Government for the design of a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services consist of preparing plans and specifications for construction of the project and performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Additional project features include road striping, sidewalk relocation, and street lighting.</p>			
12/15-11/21	<p>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA. Design Engineer responsible for an evaluation of the hydraulic capacities of existing culvert structures located within the drainage canals of St. Bernard Parish, Louisiana. Mr. Tate assisted in performing hydraulic calculations for these structures based on the same open-channel flow principles used by software suites such as the EPA SWMM model and HEC-RAS. Mr. Tate also assisted with calculations for the appropriate sizing of replacement arched bridge structures at these locations and corresponding preliminary concept drawings.</p>			

Firm employed by: Royal Engineers and Consultants				
Name	Katherine Foreman, PE		Years of relevant experience with this employer	7
Title	Professional Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering		
Active registration number / state / expiration date		46031 / LA / 3-31-2024		
Year registered	2021	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities		Lead Design Civil Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
7 years of experience	<p>Ms. Foreman has 7 years of experience in civil engineering design and construction management on project types including storm drainage systems, asphalt and concrete road design, sidewalks, potable water distribution systems, gravity sewer systems, flood control structures, commercial and residential site design, foundation design, and retaining walls. Her expertise includes familiarity with DOTD design manuals and specifications, ADA requirements, and AASHTO standards and the use of various software packages for HandH design and analysis such as HEC-HMS, HEC-RAS, DOTD HYDR programs, HY8, and Autodesk Storm and Sanitary Analysis. Ms. Foreman has significant experience preparing plans and specifications to in accordance with DOTD standards.</p> <p>Certifications: Traffic Control Supervisor and Traffic Control Technician</p>			
2023 - Ongoing	<p>H.015009 W. Metairie Avenue Over S. Suburban Canal Off System Bridge – Jefferson Parish, LA Project Manager for DOTD Off-System Bridge (OSBR) replacement of an existing slab span bridge located in an urban area of Jefferson Parish. Ms. Foreman’s responsibilities include managing all aspects of design and client relations, overseeing plan production in accordance with the Off-System Highway Bridge Program Guidelines, leading the hydraulic analysis and design for all viable alternatives for the bridge replacement in accordance with the DOTD Hydraulics Manual, and coordinating survey efforts. Services provided by Royal include topographic and boundary survey, preliminary plan production, right-of-way agreements and sketches, and environmental services including solicitation of views, categorical exclusion clearance, wetland studies, and other information needed for the Environmental Clearance process.</p>			
08/15 - 01/22	<p>H.013443 Iberia Street Sidewalk – Youngsville, LA Civil/Hydraulic Engineer on team providing engineering design and engineering services during construction for the DOTD TAP- funded project involving installation of RCP drainage piping within the existing roadside ditches; a 6' wide concrete sidewalk, including two pedestrian bridges crossing waterways on the south side of Iberia St. from School St. to Sugar Mill Pond Subdivision allowing for greater interconnectivity of pedestrian travel. Responsibilities included design support; performing routine site visits; providing construction management/administration, and engineering support during construction, including utility coordination and responding to requests for information on elevation of pedestrian bridge.</p>			

12/17 - 02/22	<p>Camellia: Settlers Trace Turn Lane – Lafayette, LA</p> <p>Civil/Hydraulic Engineer on 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. 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. Responsibilities included design support; performing routine site visits; providing construction management/ administration, and engineering support during construction, including utility coordination, surveyor coordination; schedule coordination with contractor; facilitation set of on-site job shack; client coordination; lab testing coordination; coordination of traffic control operations and compliance with traffic control plan, and overseeing resident inspection services throughout construction.</p>
08/15 - 11/21	<p>Polly Lane Extension – Lafayette, LA</p> <p>Civil/Hydraulic Engineer responsible for performing engineering design services and construction management for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section at Verot School Road. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. The roadway extension/connection consists of a 2-lane asphaltic concrete roadway, a 32 ft diameter reinforced Class A concrete roundabout, curb and gutter and subsurface drainage, a concrete box culvert over Issac Verot Coulee Lateral 7, sidewalks, and lighting. As Engineer Intern, Ms. Foreman was responsible for performing engineering analyses for design of the storm drainage system, preparation of and revisions to construction documents, performing routine site visits, providing construction management/administration, and engineering support during construction, and overseeing resident inspection services throughout construction. As Project Manager, Ms. Foreman was responsible for invoicing, deliverables, scheduling, resourcing, and client coordination.</p>
06/15 - 06/17	<p>Détente Road Rehabilitation – Youngsville, LA</p> <p>Engineer Intern on team providing design, bidding and construction management services for the rehabilitation of Détente Road, consisting of mill & overlay of asphaltic pavement including asphaltic pavement patching. Responsibilities included coordination of testing laboratory requirements and support with change orders and work change directives related to additional locations.</p>
02/15 - Ongoing	<p>Missouri Street at Corinne Canal – St. Bernard Parish, LA</p> <p>Civil/Hydraulic Engineer on 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 bridges 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. PW 19332, Missouri @ Corrine Bridge consisted of a Hazard Mitigation project to replace the preexisting two – 60” corrugated metal pipe culverts with a 26’-0” wide 72’-0” long clear span, precast concrete structure. Ms. Foreman was responsible for hydraulic analysis, site layout and grading, foundation design, wingwall design, and coordinating development of plans. During construction, responsibilities include submittal reviews (pile loads and con-span wingwall).</p>
08/19 - 01/20	<p>Roadway Repairs – St. Gabriel, LA</p> <p>Engineer Intern on team providing engineering design and engineering services during construction to mill and overlay four roadways including associated work to drive aprons and reconstruct one roadway including pavement removal, general excavation, soil cement, class II base course, asphaltic concrete pavement and associated work to drive aprons. Responsibilities included bid tabulation and recommendation for award.</p>

Firm employed by: Royal Engineers and Consultants				
Name	Carter O'Brien, PE		Years of relevant experience with this employer	3
Title	Professional Engineer		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		Civil Engineering Design/Constructability Review		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11 years of experience	<p>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 DOTD, 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.</p> <p>Certifications: Traffic Control Supervisor, Traffic Control Technician, Certified Flagger</p>			
10/20 - Ongoing	<p>Roadway Restoration for Bayou St. John, Fairgrounds, and Seventh Ward Group B Roads – New Orleans, LA Project Engineer responsible for providing Construction Administration, Construction management as well as resident inspection services for the City of New Orleans Department of Public Works. Mr. O'Brien provided 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.</p>			
04/18 - 02/20	<p>St. Gabriel Roadway Repair: Phase 5 – St. Gabriel, LA 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.</p>			
10/22 – Current	<p>Construction Management Services for Jourdan Rd Wharf Terminal Substructure Repairs, Port of New Orleans Project Manager responsible for providing construction management services, including constructability reviews, document control, field representation, supporting Port NOLA with project close out for the repair of the substructure of the wharf at the Jourdan Road Terminal on the Gulf Intracoastal Waterway in New Orleans. The existing wharf is more than 40 years old, measures 1,400 linear feet long by 265 feet wide consisting of pre-cast and cast- in-place deck elements supported by 2,000 open-ended steel pipe piles which are 14” and 16” in diameter with a 3/8” wall thickness and contain a fibrous jacket on the top 6 to 8 feet that is known to contain asbestos. The delivery method for the project is Construction Management at Risk (CMAR).</p>			

01/23 – Current	<p>Construction Management and Estimating Services for Nashville Wharf A Substructure Repairs, Phase 2, Port of New Orleans Project manager responsible for providing construction management services including cost estimating, constructability reviews, document control, field representation, and supporting Port NOLA with project close out for the repair of the substructure of the Nashville Wharf “A” facility located on the Mississippi River in New Orleans, LA. The existing wharf was constructed in 1960 and 1961 and is approximately 2,400 linear feet long and 214 feet wide and supported by approximately 5,371 steel piles. The steel pile type varies throughout the structure. The delivery method for the project is Construction Management at Risk (CMAR).</p>
06/17 - 08/20	<p>Sales Tax Street and Road Rehabilitation Program – East Baton Rouge Parish, LA Mr. O'Brien assisted the Project Engineer for this project which began in 1990. Mr. O'Brien provided oversight of inspectors, developed plans and quantities for upcoming projects, handled partial estimates and change orders and assisted the project engineer on project administration for the past 5 years. These projects include a variety of rehabilitations jobs; PPC paving patching, asphalt patching, asphaltic concrete overlay, crack sealing and full reconstruction including soil cement. Mr. O'Brien has served as Engineer on the following projects: 14-09 Winbourne Ave, 14-15 Crack Sealing, 15-01 Carrington Place, 15-02 / H.010648 Acadian Thruway Project, 15-03 Santa Maria, 15-04 Magnolia Trace & Shadows of White Oak, 15-05 Brookstown, 15-06 / H.010650 OLOL Project, 15-07 Old Perkins Barringer Foreman, 15-08 Woodale & Lobdell, 15-09 Pearirs Road & Comite Drive, 15-10 Crack Sealing, 15-11 PCC Partial Depth Patching, 15-12 Stumberg, 16-01 / H.011364 Goodwood Blvd., 16-02 / H.011363 Sherwood Blvd., 16-03 Sherwood Forest Streets, 16-04 Dalyrmples, 16-05 Bluebonnet and Nicholson, 16-06 Arbor Walk, 16-07 Choctaw, Prescott and Airway, 16-09 Goodwood and Sherwood Forest, 16-10 / H.011842 Chocktaw Drive Pavement Preservation. (DPW Project No. 15-CEST-0001)</p>
01/19 - 08/19	<p>I-10 Widening, LA 347 to Atchafalaya Floodway Bridge Route As EIT for this 3.436-mile, \$52 million project to widen the westbound lanes of I-10 includes total reconstruction of the existing lanes both east and westbound, and widening of four structures in St. Martin, Parish, Mr. O'Brien was responsible for Critical Path Method schedule review.</p>
08/14 - 08/16	<p>H.003432 / US-51 Business Roundabouts – Hammond, LA Senior Field Engineer responsible for problem identification and resolution in the field. This included preparing, designing, submitting, and revising concrete and asphalt mix designs in accordance with the project plans and specifications. Mr. O'Brien updated critical path method (CPM) schedule each month, prepared as-built plans during construction to reflect in field changes, and performed traffic control design during construction. He submitted numerous traffic control plans during construction phase changes and ensured the TC plans were in accordance with the MUTCD. Various drainage structures had to be altered to accommodate in field conflicts, for which Mr. O'Brien calculated slope, made drainage structure drawing adjustments, and ensured all changed structures met the project specifications. In addition, he was responsible for OSHA-compliant safety measures being exercised in the field; surveying; and change order management and quality control on all project materials including asphalt density testing, base density testing, concrete cylinders, soil cement densities and striping reflectivity testing.</p>

Firm employed by: Royal Engineers and Consultants				
Name	Cassidy Melancon, EI		Years of relevant experience with this employer	1
Title	Design Engineer		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS /2020/Civil Engineering		
Active registration number / state / expiration date		Civil Engineering / State of Louisiana/ Engineer Intern 0034626/03-31 -2025		
Year registered	2020	Discipline	Engineer Intern, Civil	
Contract role(s) / brief description of responsibilities		Roadway and Hydraulic Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/22-01/23	<p>Odyssey House Parking Lot Design, New Orleans, LA</p> <p>Engineer Intern responsible for development of design plans for an approximately 7854 square foot lot for the construction of an accessory parking lot including implementation of permeable pavement system to comply with City of New Orleans stormwater ordinances. Design tasks included preparing site grading plans, concrete joint layout, and performing pre- and post- development drainage calculations. Construction features include approximately 3552.8 SF of concrete paving, 2298.7 SF of permeable pavers, 2298.7 of 24” thick permeable paving base course, 239.9 LF of barrier curbing, 173.3 LF of perforated underdrain pipes, 105.7 LF of PVC drainage pipe, 2 drain inlets, and pavement striping to delineate parking spaces.</p>			
11/22-Present	<p>Jefferson Davis Electric Cooperative, Disaster Recovery PM Services, Cameron Parish</p> <p>Relevant Service Lines: Civil Engineering / Construction Management / Project Management / Coastal Services / Disaster Recovery Services / Architecture Services</p> <p>Project Role: Engineer Intern responsible for conceptual design of guardrails for installation of 230kV Transmission Line System Loop. Tasks included determining clear zone requirements, the necessity of guardrails, and preliminary guardrail lengths of need at locations of all proposed power poles within the DOTD Right-of-Way. Analysis included measurement of offsets distances, side slopes, and identification of site-specific features such as ditches and wetland areas for over 300 power poles throughout the system utilizing aerial imagery, topographic survey data, and the Transmission Line design drawings.</p>			
11/22-Present	<p>NAVFAC P526U P529U, VCC and Inspection Facility AE, Location: Belle Chasse, LA</p> <p>Project Role: Engineer Intern responsible for civil design of site grading, roadway vertical alignment, and stormwater analysis and design in accordance with UFC, AASHTO, DOTD, and Military design standards. Contracted services include architectural, structural, and civil design services for a design-build project to construct a new entry control facility including a Visitor Control Center, Commercial Vehicle Inspection station, commercial roadway, and associated site infrastructure for the Naval Air Station Joint Reserve Base (NAS JRB) in Belle Chasse, LA. Additional project features include a duress alarm system, overhead canopy for commercial vehicle inspection, signage, LED lane control signal lights, elevated access control lane islands, permanent passive barriers, traffic control arms, traffic signalization, phasing to maintain existing operation levels, and all utilities and pavements.</p>			

11/22-Present	<p>SBPG East Bank Sediment Transport Corridor – Highway 15 Road Reconstruction, Plaquemines Parish, LA</p> <p>Engineer Intern responsible for structural design of box culverts and retaining walls, guardrail design, temporary traffic control plans, and preparing quantity takes and cost estimates for the design of roadway regrading and reconstruction to facilitate installation of a permanent pipeline casing adjacent to the Mississippi River Levee. The permanent pipeline casing is required as part of a proposed corridor through Plaquemines and St. Bernard Parishes that would deliver dredged sediment from point bars within the Mississippi River to marsh creation areas within the Breton Sound.</p>
2018	<p>Various Projects Prior to Royal</p> <p>Structures: Designed multiple steel structures of varying sizes and functionality and corresponding concrete foundations, calculated design loads based on the intended function each proposed structure.</p> <p>Drainage: Calculated surface runoff in areas where improvement was needed and designed multiple drainage systems, designed a simple pipe-flow system and calculated the corresponding velocities and losses.</p> <p>Project Management: Estimated quantities and material costs to support budgeting and costing of large-scale projects, conducted multiple site visits to ensure that projects were design accurate and on track</p>

Firm employed by: Royal Engineers and Consultants				
Name	Brennon Bourgeois, EI		Years of relevant experience with this employer	2
Title	Design Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2021 / Civil Engineering		
Active registration number / state / expiration date		34870 / LA / 9-30-2023		
Year registered	2021	Discipline	Engineer Intern, Civil	
Contract role(s) / brief description of responsibilities		Roadway and Hydraulic Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
2/21-02/22	<p>CAMELLIA - SETTLERS TRACE TURN LANE: Lafayette, LA. Engineer Intern on team providing engineering services to the Lafayette Consolidated Government for the design of a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services consist of preparing plans and specifications for construction of the project and performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Additional project features include road striping, sidewalk relocation, and street lighting. Mr. Bourgeois was responsible for providing construction administration and engineering support to the Project Engineer/Project Manager through construction phase of the project. Specific tasks included review and management of pre-construction submittals, review and management of Daily Inspection Reports and Materials Testing reports, Tracking material/construction quantities and labor hours, reviewing contractor and inspector pay applications, and site visits.</p>			
02/21-10/21	<p>POLLY LANE EXTENSION: Lafayette, LA. Engineer Intern responsible for construction management support during construction for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section at Verot School Road. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. The roadway extension/connection consists of a 2-lane asphaltic concrete roadway with curb and gutter and subsurface drainage, a concrete box culvert over Issac Verot Coulee Lateral 7, sidewalks, and lighting. Mr. Bourgeois was responsible for providing construction administration support to the Project Engineer and Project Manager during the construction phase of the project. Specific tasks included review and management of Daily Inspection Reports and Materials Testing reports, tracking material/construction quantities and labor hours, and reviewing contractor and inspector pay applications.</p>			
02/21-Ongoing	<p>CNO STREET REPAIR – LEONTINE, VALMONT, CAMP, AND CHESTNUT: New Orleans, LA. Engineer Intern on team providing Engineering Design and Construction Administration Services for the City of New Orleans for roadway enhancement and full reconstruction of streets and utilities in a portion of the Uptown neighborhood of New Orleans, Louisiana. Royal provided main line drainage design, water line replacement design, and sewer line replacement design for portions of Camp Street, Leontine St., Valmont St., Coliseum St., and Chestnut St. in accordance with New Orleans Department of Public Works and New Orleans Sewerage and Water Board requirements. Mr. Bourgeois was responsible for supporting the design team by assisting with various tasks involving the plan review with respect to utility conflicts and making sure all comments were addressed.</p>			

Firm employed by: Royal Engineers and Consultants				
Name	Laudun Landry, PE		Years of relevant experience with this employer	1
Title	Design Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering		
Active registration number / state / expiration date		Civil Engineering / State of Louisiana/ Engineer Intern 0034626/03-31 -2025		
Year registered	2021	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities		Roadway Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
7 years of experience	Mr. Landry was previously employed with the DOTD, where he was involved in engineering design of bridge structures and reviewing engineering plans and specifications on consultant projects. His experience includes acting as Engineer of Record (H.001666), Bridge Task Manager (H.012031, H.012535, H.014672, H.014323, H.012071, H.014591, H.002337, H.011993), and Design Engineer on various DOTD projects			
03/22-Ongoing	Cameron-Creole Maintenance Project (CS-04A) – Cameron Parish, LA Civil/Structural design engineer on Royal project team responsible for all engineering, design, surveying, permitting, and construction administration and oversight services necessary for the maintenance/repair work to the Cameron-Creole Maintenance Project (CS-04A) damaged by Hurricane Laura. Features include: (1) Mangrove Bayou: Water Control Structure and Interior Canal Plug, (2) Grand Bayou: Water Control Structure, Interior Canal Plug, and Levee Breach, (3) Lambert Bayou: Water Control Structure and Levee Breach, and (4) No Name Bayou: Water Control Structure and Levee Breach. General repair activities are inclusive of excavation and dredging of siltation and debris, placement of hauled in fill materials and rip rap, installation of sheet pile wall structures, and mechanical repairs to existing structures. Mr. Landry is performing structural engineering services for Final Design and serves on the Red Team Review panel.			
09/20-03/22	H.001666 Dorcheat Bayou Bridge Replacements – Webster Parish, LA (Project experience while employed at DOTD) Civil/Bridge Engineer of Record. This project included engineering to design four replacement bridges on LA 160. The bridges were simple slab span bridges. The project scope included coordination with the road design team to bring the route up to current code, including guard rail design, and alignment adjustments.			
09/20-03/22	H.002264 LA 302: Bayou Baratavia MB Replacement – Jefferson Parish, LA (Project experience while employed at DOTD) Civil/Structural Design Engineer. This project included the engineering design of a mechanical bridge to replace the existing swing span bridge. Responsible for the structural design and detailing of the replacement bridge’s operator house.			
09/20-03/22	Sunshine Bridge Pier 4 Fender Repair – Donaldsonville, LA (Project experience while employed at DOTD) Civil/Bridge Engineer. Project goal was to repair the pier protection fender system on pier 4 of the Sunshine bridge. The existing fender system had been damaged from multiple barge impacts. Responsibilities included reviewing submitted plans and specifications to ensure the designed repair met the requirements set forth by the initial pier protection design as well as current design standards and practice			
09/20-03/22	H.014323 I-10: Miss River BR Fender Rep. (Pier 6) – East Baton Rouge Parish, LA (Project experience while employed at DOTD) Bridge Engineering task Manager for the rehabilitation / repair of Mississippi River bridge fenders for Pier 6. Mr. Landry’s responsibilities included review of plans and specifications to ensure the new repair met the requirements set forth by the original design.			

Firm employed by: Royal Engineers and Consultants				
Name	Shaun Tynes		Years of relevant experience with this employer	6
Title	Lead Technician		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		AAS 2000 Drafting and Design		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	Drafting and Design	
Contract role(s) / brief description of responsibilities		Drafting		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/23 - Ongoing	<p>H.015009 W. Metairie Avenue Over S. Suburban Canal Off System Bridge – Jefferson Parish, LA Drafter for DOTD Off-System Bridge (OSBR) replacement of an existing slab span bridge located in an urban area of Jefferson Parish. Mr. Tynes’s responsibilities include Preliminary Plan production in accordance with the DOTD CAD Standards and Design Guidelines. Services provided by Royal include topographic and boundary survey, preliminary plan production, right-of-way agreements and sketches, and environmental services including solicitation of views, categorical exclusion clearance, wetland studies, and other information needed for the Environmental Clearance process.</p>			
02/15 - 06/17	<p>Bartolo Drive at 20 Arpent Canal: St. Bernard Parish, Chalmette, LA CAD Technician on 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 bridges 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. PW 19329, Bartolo Bridge consisted of a Hazard Mitigation project to replace the pre-existing two - 72" reinforced concrete pipe culverts with a 26'-0" wide clear span, precast concrete structure. Mr. Tynes performed CAD modeling produced construction plans for existing conditions and demo plans, site plans, grading plans, foundation plans, cross sections, and design details. The project also included storm drainage infrastructure, sidewalks and ADA ramps, guardrails, and relocation/protection of utilities.</p>			
02/15 - Ongoing	<p>Magistrate Street at Corinne Canal: St. Bernard Parish, Chalmette, LA CAD Technician on 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 bridges 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. PW 19925, Magistrate @ Corrine Bridge consisted of a Hazard Mitigation project to replace the pre-existing two - 96" corrugated metal pipe culverts with a 26'-0" wide clear span, precast concrete structure. Mr. Tynes performed CAD modeling produced construction plans for existing conditions and demo plans, site plans, grading plans, foundation plans, cross sections, and design details. The project also included storm drainage infrastructure, sidewalks and ADA ramps, guardrails, and relocation/protection of utilities.</p>			

02/15 - Ongoing	<p>Missouri Street at Corinne Canal: St. Bernard Parish, Chalmette, LA CAD Technician on 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 bridges 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. PW 19332, Missouri @ Corrine Bridge consisted of a Hazard Mitigation project to replace the pre-existing two - 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span, precast concrete structure. Mr. Tynes performed CAD modeling produced construction plans for existing conditions and demo plans, site plans, grading plans, foundation plans, cross sections, and design details. The project also included storm drainage infrastructure, sidewalks and ADA ramps, guardrails, and relocation/protection of utilities.</p>
02/15 - Ongoing	<p>Mumphrey Road at 20 Arpent Canal: St. Bernard Parish, Chalmette, LA CAD Technician on 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 bridges 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. PW 20172, Mumprhrey Rd @ 20 Arpent Bridge consisted of a Hazard Mitigation project to replace the pre-existing two - 60" Concrete Pipe Culverts with a 26'-0" wide 72 clear span, precast concrete structure. Mr. Tynes performed CAD modeling produced construction plans for existing conditions and demo plans, site plans, grading plans, foundation plans, cross sections, and design details. The project also included storm drainage infrastructure, sidewalks and ADA ramps, guardrails, and relocation/protection of utilities.</p>
08/15 - 01/22	<p>Iberia Street Sidewalk and Pedestrian Bridge Design: Youngsville, LA CAD Technician on the Royal Team. Job duties include, using AutoCAD Civil 3D to create proposed drainage pipe network, and drawings for proposed sidewalk installation. Responsible for providing plan and profile sheets detailing the removal and/or replacement of existing utilities and drainage, and providing details for installment of new sidewalks and subsurface drainage. Prepared plans in accordance with DOTD CAD Standards.</p>
12/17 - 02/22	<p>Camellia - Settlers Trace Turn Lane: Lafayette, LA Draftsmen responsible for creating drawings for a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Drawings consist of typical roadway sections, plan and profiles of proposed turn lanes, existing and design drainage maps, geometric details, joint layouts, sequence of construction, and cross sections.</p>
08/15 - 11/21	<p>Polly Lane Extension: Lafayette, LA CAD Technician on the Royal Team. Job duties include, creating typical roadway sections, plan and profile sheets, existing and design drainage maps as well as special details, and geometric details of added roundabout to the existing roadway.</p>
02/18 - Ongoing	<p>NOLA Capital Improvement Program, RR1 31 Milneburg Group B: New Orleans, LA CAD Technician supporting design services for four New Orleans City blocks: 5600 Block of Arts Street; 6200 Block of Spain Street; 6300 Block of Marigny Street; and 2200 Block of New York Street. Royal was tasked with providing Preliminary and Final Design Plans for road reconstruction, sidewalks and ADA ramps, drainage infrastructure improvements, and sewer utilities. Mr. Tynes was responsible for preparing design drawings including plan profile sheets and drainage maps.</p>
01/16 - 09/19	<p>The Cove of Moss Bluffs Housing Development: Calcasieu Parish, LA CAD Technician on the Royal Team. Job duties include, creating typical roadway sections, plan and profile sheets, existing and design drainage maps as well as geometric and special details.</p>

Firm employed by: Royal Engineers and Consultants				
Name	DeWain Butler		Years of relevant experience with this employer	1
Title	Lead Technician		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		Formal training in AutoCAD, AutoCAD Map 3D, and Civil 3D		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	Drafting and Design	
Contract role(s) / brief description of responsibilities		Drafting		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/23-Ongoing	<p>Naval Air Station Joint Reserve Base New Orleans, NAVFAC P526U Visitor Control Center and Commercial Inspection Facilities, Belle Chasse, LA</p> <p>Role: Drafter/Designer. Contracted Services: Create, approve, and stamp, a design-build 100% for construction set of drawings/plans using all required UFC codes for a new visitor control center building, commercial vehicle inspection office, duress alarm system, overhead canopy for commercial vehicle inspection, signage, and LED lane control signal lights, elevated access control lane islands, permanent passive barriers, traffic control arms, traffic signalization, phasing to maintain existing operation levels, and all utilities and pavements. Responsibilities: Design drawings for 30/50% submittal.</p>			
10/22-Ongoing	<p>Parking Lot Design, Odessey House Louisiana, Inc., New Orleans, LA</p> <p>Role: Drafter/Designer. Contracted Services: Drafting construction drawings for the development of an approximately 7854 square foot lot for the construction of an accessory parking lot, including implementation of permeable pavement system to comply with City of New Orleans stormwater ordinance. Construction features include approximately 3552.8 SF of concrete paving, 2298.7 SF of permeable pavers, 2298.7 of 24” thick permeable paving base course, 239.9 LF of barrier curbing, 173.3 LF of perforated underdrain pipes, 105.7 LF of PVC drainage pipe, 2 drain inlets, and pavement striping to delineate parking spaces.. Responsibilities: Development of title sheet, general notes, existing and proposed site plans, grading and drainage plans, and details required for construction.</p>			
	<p>Various Clients, AutoCAD drafting and design services, Various locations in South Louisiana</p> <p>Role: AutoCAD Drafter/Designer. Contracted services: N/A; experience gained with previous employer. Responsibilities: Geotechnical plans and profiles, USACE permit maps; civil plans and profiles; civil sections; right-of-way maps; soil boring and CPT location maps; soil classification maps and wetland determination maps; potentiometric maps; land use maps; and cross sections.</p>			

Firm employed by: Royal Engineers and Consultants				
Name	William Fontenot, PE		Years of relevant experience with this employer	2
Title	Senior 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 / 3-31-2024		
Year registered	2016	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities		Quality Assurance/Quality Control		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10 years of experience	Mr. Fontenot has more than nine 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. Certifications: Traffic Control Supervisor, Traffic Control Technician, Certified Flagger			
11/22 - Ongoing	<p>SBPG East Bank Sediment Transport Corridor – Highway 15 Road Reconstruction and Canal Crossings – Plaquemines and St. Bernard Parishes, LA</p> <p>Civil/Structural Engineer responsible for designing canal crossing structures and sheetpile bulkhead systems, overseeing structural design of box culverts and retaining walls, and performing design reviews for the design of roadway regrading and reconstruction to facilitate installation of a permanent pipeline casing adjacent to the Mississippi River Levee. The permanent pipeline casing is required as part of a proposed corridor through Plaquemines and St. Bernard Parishes that would deliver dredged sediment from point bars within the Mississippi River to marsh creation areas within the Breton Sound.</p>			
06/12-07/16	<p>H.002550 MacArthur Drive Interchange Completion: Jefferson Parish, LA</p> <p>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, LADTOD Bridge Design Manual.</p>			
10/21 - 04/22	<p>Camellia - Settlers Trace Turning Lane – Lafayette, LA</p> <p>Civil/Structural Engineer providing engineering services during construction for Lafayette Consolidated Government. Project features include a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services consist of preparing plans and specifications for construction of the project and performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Additional project features include road striping, sidewalk relocation, and street lighting. Mr. Fontenot served as structural subject matter expert, completing re-design of the catch basin to accommodate changing project needs.</p>			

06/12 - 07/17	<p>In-Depth Bridge Inspection of Complex Structures – St. Landry Parish, LA</p> <p>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.</p>
06/12 - 07/17	<p>H.003182 Inner Harbor Canal Bridge Rehabilitation – Algiers, LA</p> <p>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.</p>
06/12-07/18	<p>I-10 Lake Pontchartrain Bridge Deck Patching & Girder Painting – New Orleans, LA</p> <p>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.</p>
10/16-08/17	<p>Yscloskey Vertical Lift Bridge Painting – St. Bernard Parish, LA</p> <p>As a Licensed Engineer, Mr. Fontenot assisted with design and details for a paint containment system, survey and geometric site layout of new operator house foundation, and phasing plans for different construction activities. Tasks Performed included: Site survey and layout using total station and automatic level, designed and detailed support system for paint containment, coordination of roadway and water-fairing traffic to optimize productivity during construction activities. Codes used included: AISC Steel Construction Manual, ACI 318-11 Building Code Requirements for Structural Concrete, DOTD Bridge Design Manual</p>
12/15-07/16	<p>Luling Bridge Deck Overlay and Repairs – St. Charles Parish, LA</p> <p>As an Engineer Intern, Mr. Fontenot revised original traffic control plans and diversion crossovers to expedite construction sequencing and feasibility. Updated drainage plan to match revised traffic control. Tasks Performed: geometric Design of Diversion Crossovers, hydraulic analysis of watershed area for new and existing drainage design, traffic control layout and phasing plans throughout the project, assisted construction efforts in the field using survey data and design plans, design of debris screen for sandblasting operations near adjacent traffic, quality control of final plans, quantification of cut/fill and roadway elements for cost estimates. Codes Used: AASHTO Roadside Design Guide, AISC Steel Construction Manual, ACI 318-11 Building Code Requirements for Structural Concrete, MUTCD, DOTD Traffic Control Standard Plans, AASHTO Guide Design Specifications for Bridge Temporary Works, DOTD Hydraulics Manual</p>

Firm employed by: Neel-Schaffer, Inc				
Name	Dishili Young, PE, PTOE		Years of relevant experience with this employer	6
Title	Senior Project Manager		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number / state / expiration date		PE No. 33723 / LA / 09-30-2024		
Year registered	2008	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Road Design Subject Matter Expert, Quality Assurance/Quality Control		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/14 – 08/17	LA 447 Corridor Study, Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534) Ms. Young assisted with the geometric design for the R-Cut and roundabout improvements, public outreach and served as Project Manager and road design lead for the EA while working at APTIM. Includes multilane roundabouts			
01/20 – Present	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: Ms. Young is managing the preliminary and final design services for this project. This project will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts. This project includes a level 2 TMP			
04/18 – Present	I-49 South at Verot School Road, S.P. No. H.011235.5: Ms. Young is managing the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). This project which will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. Neel-Schaffer (NSI) is serving as the subconsultant for this project. NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NSI is also completing the traffic design and TMP. Includes roundabout			
12/17 – 07/20	Southcity Parkway Extension - Lafayette, LA: This project will construct a new 1.7 - mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge crossing of the Vermillion River. The roadway and drainage design is being completed in conformance with LADOTD guidelines. Ms. Young managed and assisted with the roadway, bridge hydraulics and roadway drainage design effort for this project. NSI provided public outreach, environmental, road design and traffic services.			
08/17 – 03/19	Juban Road Widening, S.P.N. H.004634: Ms. Young served as the engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three roundabouts and two new frontage access roadways, with storm drainage sewer systems.			
08/17 – Present	Mandeville Bypass - Mandeville, LA: This project will provide a new 3 mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Ms. Young is managing the roadway design services. Includes multiple multilane roundabouts.			
08/17 – Present	Ham Reid at LA 3092 Intersection Improvements: Ms. Young is serving as engineer of record for this project which will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.			

02/10 – 12/11	S.P. No. 450-10-0159: I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LA DOTD: Ms. Young served as Engineer and managed portions of the civil design for this project. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Ms. Young completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor.
01/09 – 11/11	S.P. Nos. 454-01-0047 & 454-02-0025: I-12 Widening Design-Build (O'Neal Ln. to Pete's Hwy): Ms. Young served as Engineer for this project which involved the widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Ms. Young assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor.
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724) This project will construct a roundabout and required drainage improvements. Project Manager.
05/16 – 01/20	Bossier Parish Roadway, Bridge and Culvert Engineering, Damage Assessment and Reconstruction Services. Ms. Young managed the civil portion of this project which included approximately 90 project sites consisting of bridges, roadway reconstruction, patching and overlays, and new drainage structures.
08/17 – 03/20	LA 73 Turn Lanes: Ms. Young served as engineering design manager for this project which will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The roadway and drainage design were completed in accordance with LADOTD guidelines.
09/17 – 10/18	LA 27 Turn Lanes: Ms. Young served as engineering design manager for this project which constructed turn lanes at multiple locations along LA 27 in Calcasieu and Cameron Parishes. The design was completed in accordance with LADOTD guidelines.
06/13 – Present	Stage 0 Feasibility Study Modern Roundabouts – Lafayette, LA: Road alignment, roundabout layout, and design, preparing cost estimates. 23 separate roundabout projects
Career History	<p>Ms. Young has 20 years of experience including program management, engineering management, project management and engineering design; management and design of interstate design-build projects, interstate design-bid-build projects, road design projects, drainage projects, H&H Studies, environmental studies and feasibility studies. Some of her CE are as follows:</p> <ul style="list-style-type: none"> • Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016 • ATSSA Traffic Control Supervisor and Technician Training Course, Baton Rouge, 2015 • NHI Course No. 142005 - NEPA Transportation Decision Making, Baton Rouge, 2014 • FHWA Highway Safety Manual Workshop, Baton Rouge, 2014 • Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010 • Applying Inroads V8.9, LSU Continuing Education, 2010 • Urban Street Design, University of Wisconsin, Madison, • Open Channel Design, University of Wisconsin, Madison, • Storm Sewer Design, University of Wisconsin, • Comprehensive Culvert Design, University of Wisconsin, • Maintaining Asphalt Pavements, University of Wisconsin, • Using HEC-RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin, • Construction Issues in Louisiana, Lorman Education Services • Louisiana Construction Contracting for Public Entities, Lorman Education Services • DOTD's Traffic Engineering Process and Report (TEPR) training

Firm employed by: Neel-Schaffer, Inc				
Name	Mai Nguyen, PE		Years of relevant experience with this employer	6
Title	Project Engineer		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
Active registration number / state / expiration date		No. 38189 / LA / 03-31-2024		
Year registered	2013	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Road Design Support/Reviewer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/13 – Present	Stage 0 Feasibility Study Modern Roundabouts Lafayette, LA: Road alignment, roundabout layout, and design, preparing cost estimates. 23 separate roundabout projects			
02/17 – 06/17	LA 6 (I-49 Interchange to LA 3278) Corridor Study in Natchitoches, LA. S.P. No. H.011402 LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.			
01/11 – 01/14	LA 447 Corridor Study, Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534) A corridor study to evaluate corridor improvements along LA 447 between LA 16 and Burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts			
09/14 – 08/15	LA 16: Roundabout @ LA 447, Livingston, LA. S.P. No. H.010124 Responsible for developing roundabout preliminary roadway plans in accordance with LaDOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and perform hydraulic analysis.			
01/20 – Present	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA NSI is managing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.			
04/18 – Present	I-49 South at Verot School Road, S.P. No. H.011235.5 This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout			
11/15 – 07/20	Southcity Parkway Extension, Lafayette, LA This project constructs a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and new bridge design. The roadway and drainage design were completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design and traffic services.			

07/15 – Present	<p>US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS</p> <p>Project includes the replacement of five bridges. This project also includes roundabout intersections. Project Engineer for over 75 line and grade alternatives. Developed horizontal and vertical alignments, considering required drainage and ROW requirements were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection</p>
05/12 – 10/14	<p>H.009033: LA 44 Intersection Improvement @ LA 934, Ascension, LA: Responsible for developing roadway plans in accordance with LaDOTD design guidelines, performing sub-surface drainage calculations, creating horizontal and vertical alignment layouts, modeling roadway to determined required right-of-way limits, and calculating quantities and cost estimates for bidding.</p>
08/17 – 07/18	<p>I-10 New Orleans Master Plan</p> <p>Ms. Nguyen provided engineering support in development of horizontal and vertical alignments of roadways, and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.</p>
09/15 – 10/17	<p>LA 22 (Dalwill to Rodger Storm) Corridor Study (Contract No. 4400004064, T.O. No. H.011454.1)</p> <p>Includes analysis of six roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.</p>
02/15 – 12/16	<p>US 51 Business Corridor Study (I-12 to Coleman)</p> <p>Includes analysis of three roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.</p>
02/15 – 10/16	<p>US 51 Corridor Study (W University to I-55): Includes analysis of eight roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.</p>
09/14 – 08/15	<p>LA 27 turn lane improvements, Cameron and Calcasieu, LA</p> <p>Responsible for developing roadway plans following LADOTD design guidelines at three turn lanes along LA 27 at LGN plant entrances. Served as utility coordinator and provided engineering support during construction. Also, responsible for developing utility agreement packages as part of utility coordination phase. The tasks included communication, site visitation and coordination with countless utility companies, LNG facility personnel and LADOTD to seamlessly reduce and address utility conflicts. Also, assisted the Contractor with design associated with concrete barrier, provided working drawings to assist with construction activities, and provided commercial driveway detail drawings and design at locations with large grade changes.</p>
Career History	<p>Ms. Nguyen has over 13 years of experience as a Roadway Design Engineer, including over six years working for LADOTD roadway design. She is proficient with modeling and developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, typical sections, cross sections, geometric details, graphical grades, drainage design, construction sequencing, striping, and signing layout, and cost estimates. She also has completed countless interchange geometric layouts, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with utility coordination, creating detour plans, and working with Contractors and LADOTD Engineers to ensure the project is constructed according to plans. She is Certified as a Work Zone Traffic Control Supervisor, Technician and Flagger.</p>

Firm employed by: Neel-Schaffer, Inc				
Name	Chance Shuckrow, PE		Years of relevant experience with this employer	8
Title	Project Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering		
Active registration number / state / expiration date		PE No. 42746 / LA / 03-31-2025		
Year registered	2018	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Road Design Support/Reviewer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/11 – 01/14	LA 447 Corridor Study (LA 16 to US 190), Walker, LA: Project Engineer for a corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Assisted with geometric layouts and cost estimates. Includes multilane roundabouts.			
08/14 – 03/19	Juban Road (LA 1026) Widening, Livingston Parish, LA: Final design for reconstruction of Juban Rd as a four-lane median divided roadway with multilane roundabouts intersections and a shared use path. Completed vertical and horizontal alignments and modeled the project with Bentley software, assisted with the drainage design and preparation of plans.			
02/20 – Present	I-20: LA 544 Overpass Replacement, Lincoln Parish, LA: NSI is managing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.			
11/15 – Present	Southcity Parkway Extension - Lafayette, LA: This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design and traffic services.			
02/22 – Present	W. Broussard Roundabout at Duhon Rd. (LA 724): This project will construct a roundabout and required drainage improvements. Includes roundabout. Technical lead and engineer of record.			
09/15 – Present	LA 27 Left Turn Lanes for Cameron LNG Plant in Cameron Parish, LA: Assisted in roadway design, development of alignments, modeling, and preparation of plans.			
09/15 – Present	Ham Reid at LA 3092 Intersection Improvements: This project will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.			
07/15 – Present	US 71 Corridor Study, Bossier Parish, LA: Assisted in geometric layout of roadway and development of alternatives.			
08/17 – 03/20	LA 73 Turn Lanes, Ascension Parish, LA: This project will construct turn lanes at multiple locations along LA 73. The roadway and drainage design were completed in accordance with LADOTD guidelines.			
03/15 – Present	Mandeville Bypass, Mandeville, LA: This project will provide a new three-mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Work includes roadway design and multiple multilane roundabouts.			
03/15 – Present	St. Martinville Bypass (LA 31) Environmental Assessment and Line and Grade Study, St. Martinville, LA: Includes five roundabout geometry intersections at connections with state routes. Assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.			

08/14 – 03/19	I-49 South at Verot School Road, S.P. No. H.011235.5: This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout design.
09/18 – 12/18	I-20 at 220 Interchange Improvement & BAFB Design-Build Project: The project included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad. Mr. Shuckrow provided design support.
08/14 – 03/15	US 90 (Future I-49) LA 318 Interchange-Design Build Project: The Project included a new grade separated interchange at the existing LA 318 intersection, the reconstruction of the mainline of US 90 (future I-49) and a frontage road system. NSI developed interchange designs for the LA 318 overpass, the US 90 WB entrance ramp, and the frontage roads. Mr. Shuckrow provided design support.
12/2021 – Present	I-10 I-12 College Drive Design-Build Project: This project will improve the I-10 at College Drive exit by removing the weave that exists when I-10 westbound traffic crosses over several lanes to access the College Drive exit ramp. The westbound lanes for I-12 will be realigned to match the eastbound I-12 travel lanes more closely. Mr. Shuckrow is providing the independent design review for the roadway design.
11/19 – Present	IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62): This project will provide safety improvements for four parishes within three districts. The tasks under this project include stage 0 feasibility studies, planning / environmental, preliminary, and final design, and construction related engineering. Mr. Shuckrow is providing civil design support and drainage design.
Career History	Mr. Shuckrow joined Neel-Schaffer in January of 2014. In his time at Neel-Schaffer, he has worked in design of roadways, freeways, signalized and roundabout geometry intersections. He has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.

Firm employed by: Batture, LLC				
Name	Robert Mora, PE, PLS		Years of relevant experience with this employer	9
Title	Managing Partner		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		B.S./2003/Civil Engineering		
Active registration number / state / expiration date		Professional Civil Engineering – 35109/ LA/ 9-30-2024 Professional Land Surveyor – 5042/ LA/ 9-30-2024		
Year registered	2009 2010	Discipline	Civil Engineering Professional Land Surveyor	
Contract role(s) / brief description of responsibilities		Survey Lead and MPR 4		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
	H.015009 W. Metairie Avenue Over S. Suburban Canal Off System Bridge – Jefferson Parish, LA Batture performed all survey tasks for the DOTD Off-System Bridge (OSBR) replacement of an existing slab span bridge located in an urban area of Jefferson Parish, including topographic and boundary survey. Mr. Morea is the Surveyor of Record for the project.			
06/2018 - present	St. Anthony Green Streets (New Orleans, Louisiana) 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. Batture performed all survey tasks in the project. Mr. Mora is providing civil engineering design support and is the Surveyor of Record for this \$13.4 Million project.			
05/2017 - present	Claiborne Corridor (New Orleans, Louisiana) 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.			
08/2017 – 8/2017	SWB Emergency Generator (New Orleans, Louisiana): 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.			

Firm employed by: Batture, LLC				
Name	Paul Mattingly, EI		Years of relevant experience with this employer	2
Title	Party Chief / Survey / Civil Designer		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		B.S./ 2016/ Civil Engineering		
Active registration number / state / expiration date		EI/ 33363/ LA/ 9-30-2023		
Year registered	N/A	Discipline	N/	
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>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/2021 – present	<p>Nashville Wharf “A” Substructure Survey and Repair (New Orleans, Louisiana): 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. Mr. Mattingly was the survey party chief for this project.</p>			
06/2020 – present	<p>St. Bernard Campus Water Resilience Project (New Orleans, Louisiana): Batture, LLC is performing the surveying and assisting in the engineering design of the water management project along Bayou St John and within the Gentilly Resilience District. Batture, LLC is providing surveying support services to assist with design and construction related to the St Bernard Stormwater Resilience Project, including right of way investigation, boundary, topography, utility, and control surveying. Mr. Mattingly is the survey party chief for this project.</p>			
11/2019 – 01/2022	<p>Pontilly Stormwater HMGP Project (New Orleans, LA): The Pontilly Neighborhood Stormwater Network project will reduce flood risk and beautify green spaces in the Pontchartrain Park and Gentilly Woods neighborhoods through the construction of green infrastructure strategies. The project will combine improvements to the Dwyer Canal with a network of interventions along streets, in alleyways, and within vacant lots designed to slow and store stormwater. Batture is providing surveying services as a subconsultant to Fleming Construction. Batture’s scope includes layout of construction features, as-built surveys and drawings, quantity surveys and drawings. Mr. Mattingly is the survey party chief for this project.</p>			

Firm employed by: Batture, LLC				
Name	Tylon Richard		Years of relevant experience with this employer	2
Title	Survey Field Crew		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S./ 2021/ Civil Engineering		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Survey Field Crew/Survey Technician		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/2020 – present	<p>St. Anthony Green Streets Resilience Project (New Orleans, Louisiana): 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 topographic survey and providing FFE’s for the BCA. Interventions will take place within the street Right of Ways and the two parks. Mr. Richard is a drafter and designer for this project.</p>			
11/2020 – 08/2021	<p>Leonidas Group C & D (New Orleans, Louisiana): The City of New Orleans Department of Public Works is managing numerous Road Enhancement and Reconstruction projects throughout New Orleans. Batture is performing the professional surveying and engineering services for the Leonidas Group C & D neighborhood. Tasks for this project included topographic survey, preliminary design, environmental study, final design, bid and award, construction administration, and inspection/ reporting/ verification. Mr. Richard was a surveyor and drafter for the project.</p>			
06/2018 – present	<p>St. Bernard Campus Water Resilience Project (New Orleans, Louisiana): Batture, LLC is performing the surveying and assisting in the engineering design of the water management project along Bayou St John and within the Gentilly Resilience District. Batture, LLC is providing surveying support services to assist with design and construction related to the St Bernard Stormwater Resilience Project, including right of way investigation, boundary, topography, utility, and control surveying. Mr. Richard is a drafter and surveyor for this project.</p>			

Firm employed by: Batture, LLC				
Name	Clifford "Kip" Montero		Years of relevant experience with this employer	1
Title	Survey Field Crew /Inspector		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Field Crew/Survey Technician		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/2019 – 08/2020	<p>LA SAFE Gretna Resilience District Kickstart Phase I (New Orleans, Louisiana): The Gretna Resilience District Kickstart is an ambitious parish-owned Resilient Infrastructure and Community Nonstructural Mitigation/Flood Risk Reduction project. Improvements to the park include greater stormwater retention, enhanced entryways, pathways and signage, additional seating and pavilions, and the installation of a tiered dock that will connect visitors to the water. The improvements include green infrastructure features to increase storage capacity and improve conveyance of stormwater in an area with a high concentration of repetitively flooded homes and businesses in an area that is primarily LMI. In addition, the canal enhancements include the creation of recreational amenities for biking, walking and interactive community spaces. Batture is performing all H&H modeling (and surveying associated with the modeling), structural engineering, civil site design, stormwater management design, habitat assessments, and some cost estimation for the project. Clifford is performing surveying tasks for this project.</p>			
05/2021 – 02/2022	<p>RR 101 Little Woods, Group B (FRC) Resilience (New Orleans, Louisiana): Mr. Montero provided resident inspection services for the Little Woods Full Reconstruction project in New Orleans, Louisiana which includes repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns. As resident inspector, Mr. Montero reviewed specifications and plans to ensure the project was constructed according to specifications, inspected and monitored all work in progress, verified that materials on site conform to specifications and drawings, photographed pertinent activities on job sites showing construction details, witnessed tests performed by testing agency, completed daily logs and attended any required project meetings.</p>			
12/2020 – present	<p>Sewerage & Water Board Transmission Line TM005 (New Orleans, Louisiana): Batture is providing topographic and right-of-way land surveying for this project to support design for water repairs and related infrastructure improvements in New Orleans. Mr. Montero is a surveyor for this project.</p>			

Firm employed by: Batture, LLC				
Name	Kevin Dinh, EI		Years of relevant experience with this employer	2
Title	Survey Drafting		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		B.S./ 2019/ Civil Engineering		
Active registration number / state / expiration date		EI/ 34377/ LA/9-30-2022		
Year registered	2020	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Survey/Drafting Technician		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/2020 – present	<p>St. Anthony Green Streets Resilience Project (New Orleans, Louisiana): 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. Dinh is a drafter for this project.</p>			
11/2020 – 08/2021	<p>Leonidas Group C & D (New Orleans, Louisiana): The City of New Orleans Department of Public Works (DPW) is managing numerous Road Enhancement and Reconstruction projects throughout New Orleans. Batture is performing the professional engineering services for the Leonidas Group C & D neighborhood. Tasks for this project include survey, preliminary design, environmental study (if requested), final design, bid and award, construction administration, and inspection/ reporting/ verification. Mr. Dinh is a surveyor and drafter for the project.</p>			
12/2020 – present	<p>Sewerage & Water Board Transmission Line TM005 (New Orleans, Louisiana): Batture is providing topographic and right-of-way land surveying for this project to support design for water repairs and related infrastructure improvements in New Orleans. Mr. Dinh is a drafter for this project, preparing deliverables in accordance with DPW & SWB standards.</p>			

Firm employed by: The Beta Group, LLC				
Name	Alex Jaramillo, PE		Years of relevant experience with this employer	12
Title	Geotechnical Engineer		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		Professional Engineer		
Active registration number / state / expiration date		P.E. 36324/ LA		
Year registered	1999	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Geotechnical Engineer/Technical Manager- Mr. Jaramillo is responsible for overseeing all testing performed in field and in lab. His responsibilities include: performing Geotechnical Analyses, ensuring correct testing and quantities are being performed, monitoring testing lab and field personnel, and reviewing all laboratory reports		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/18-08-18	Monroe St. Roundabout: Geotechnical Engineer/Technical Manager- Mr. Jaramillo served as the geotechnical Engineer for this project as well as the technical manager and was responsible for performing Geotechnical Analyses, ensuring correct testing quantities are being performed, monitoring lab and field personnel, and reviewing all laboratory reports.			
08/22-06-23	Roundabout at Intersection of Hwy. 11 & Spartan Drive: Geotechnical Engineer/Technical Manager- Mr. Jaramillo served as the geotechnical Engineer for this project as well as the technical manager and was responsible for performing Geotechnical Analyses, ensuring correct testing quantities are being performed, monitoring lab and field personnel, and reviewing all laboratory reports.			
12/20-04-21	Proposed Roadway Improvement: Geotechnical Engineer/Technical Manager- Mr. Jaramillo served as the geotechnical Engineer for this project as well as the technical manager and was responsible for performing Geotechnical Analyses, ensuring correct testing quantities are being performed, monitoring lab and field personnel, and reviewing all laboratory reports.			

Firm employed by: The Beta Group, LLC				
Name	Hannah Jenkins, EI		Years of relevant experience with this employer	2
Title	Geotechnical Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S./ 2022/ Civil Engineering		
Active registration number / state / expiration date		E.I. 0035170/ LA		
Year registered	2022	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Project Geotechnical Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
2021	Ms. Jenkins has worked for The Beta Group since September of 2021. She gained her start as a Geotechnical Intern and worked as such until she graduated in May of 2022 with a Bachelor of Science in Civil Engineering. Ms. Jenkins now serves as a staff engineer in Beta’s Geotechnical department. She has gained experience in both field and lab testing and analyses during her time at Beta, as well as performing a multitude of analyses including Deep Foundation Design, Lateral Pile Analyses, Pavement Design, Seepage Analyses, Settlement Analyses, Sheet Pile Analyses, Slope Stability, Time Rate Analyses, and many others. Ms. Jenkins has passed the Fundamentals of Engineering and is currently working towards her P.E. license.			
08/22-06/23	Roundabout at Intersection of Hwy. 11 & Spartan Drive: Project Engineer- Ms. Jenkins served as the project engineer and was responsible for: performing geotechnical analyses, communication with clients, and completion of Geotechnical report.			
05/23-Ongoing	Proposed U-Turn: Project Engineer- Ms. Jenkins served as the project engineer and was responsible for: performing geotechnical analyses, communication with clients, and completion of Geotechnical report.			

Firm employed by: The Beta Group, LLC				
Name	Benjamin Kimpton		Years of relevant experience with this employer	12
Title	Geotechnical Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Geotechnical Project Manager-POC for geotechnical aspects of the project		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
	<p>Mr. Kempton has over 12 years of experience with The Beta Group. He currently serves as the Geotechnical project manager and is responsible for the following:</p> <ul style="list-style-type: none"> • All Geotechnical activities including performing subsoil explorations • Preparation, presentation, and management of scope, budgets, and work plan • Coordinating logistics, such as staffing and sub consultants • Ensure services provided are technically satisfactory and effective • Monitor that the project goals and quality objectives are being provided • Responsible for routine communication with client during the project • Supervise, train and mentor personnel in company procedures • Prepare technical reports and ensure on-time delivery of the reports <p>Troubleshoot project issues and conflicts</p>			
06/18-08/18	Monroe Street Roundabout: Project Manager- Mr. Kempton served as the Geotechnical Project Manager for this project and was responsible for: all geotechnical activities, budget, work plan, staffing, sub consultants, communicating with client, supervising Geo Crew, preparing reports and ensuring on-time delivery.			
08/22-06/23	Roundabout at Intersection of Hwy. 11 & Spartan Drive: Project Manager- Mr. Kempton served as the Geotechnical Project Manager for this project and was responsible for: all geotechnical activities, budget, work plan, staffing, sub consultants, communicating with client, supervising Geo Crew, preparing reports and ensuring on-time delivery.			
12/20-04/21	Proposed Roadway Improvement: Project Manager- Mr. Kempton served as the Geotechnical Project Manager for this project and was responsible for: all geotechnical activities, budget, work plan, staffing, sub consultants, communicating with client, supervising Geo Crew, preparing reports and ensuring on-time delivery.			

17. Firm Experience:

Firm name	Royal Engineers and Consultants, LLC		Past Performance Evaluation Discipline(s)*	Road/Bridge/Survey/
Project name	DOTD OSBR West Metairie Ave Bridge		Firm responsibility (prime or sub?)	Prime
Project number	100134 / 2022-44	Owner's name	DOTD/Jefferson Parish	
Project location	Jefferson Parish, LA		Owner's Project Manager	Barbara Ostuno, PE
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA, 70804, (225) 379-1047 , Barbara.ostuno@la.gov			
Services commenced by this firm (mm/yy)	05/23	Total consultant contract cost (\$1,000's)		\$93.240
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$77.24

Royal Engineers and Consultants, LLC is providing engineering and related services required for developing plans for the replacement of an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish, which is off the State Highway System.

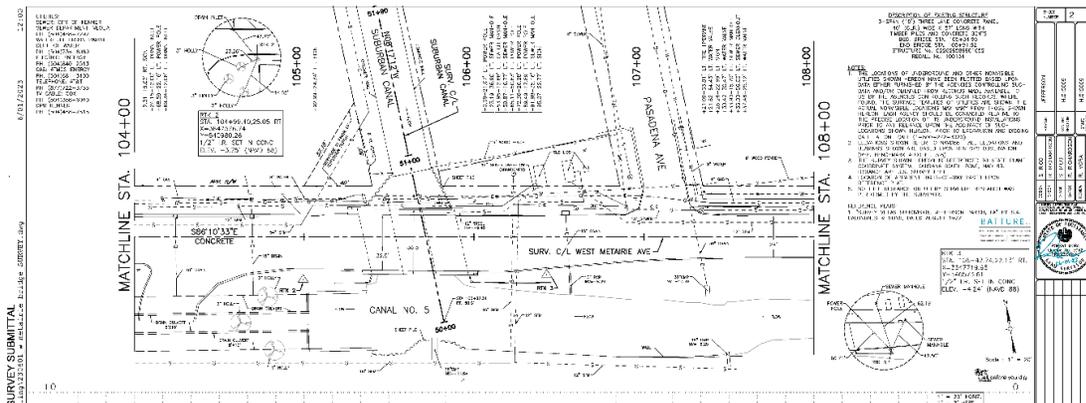
Royal is managing all aspects of design and client relations, overseeing plan production in accordance with the Off-System Highway Bridge Program Guidelines, leading the hydraulic analysis and design for all viable alternatives for the bridge replacement in accordance with the DOTD Hydraulics Manual, and coordinating survey efforts. Other services to be provided by Royal include, preliminary plan production, , and environmental services including solicitation of views, categorical exclusion clearance, wetland studies, and other information needed for the Environmental Clearance process. Batture, LLC, provided topographic surveying services for the project, with survey deliverables provided in accordance with the OSBR Program Guidelines and the LADOTD Location and Survey Manual.

Royal has completed the survey phase of the project and are currently in the Preliminary Plans phase, working towards the 50% Preliminary design deliverable.

Key Personnel: Katherine Foreman, PE (Design Lead, Project Manager); Carter O'Brien (Assistant Project Manager, Constructability Reviews); Laudun Landry, PE (Structural Design); William Fontenot, PE (QA/QC)



Current Bridge



Survey Profile

Firm name	Royal Engineers and Consultants, LLC		Past Performance Evaluation Discipline(s)*	Road	
Project name	Détente Road Rehabilitation			Firm responsibility (prime or sub?)	Prime
Project number	2015-09-01	Owner's name	Youngsville, LA		
Project location	Youngsville, LA		Owner's Project Manager	Sally Angers	
Owner's address, phone, email	201 Iberia Street, Youngsville, LA, (337) 856-4181, clintsimoneaux@youngsvillela.gov				
Services commenced by this firm (mm/yy)	06/2015	Total consultant contract cost (\$1,000's)		\$60.36	
Services completed by this firm (mm/yy)	03/2017	Cost of consultant services provided by this firm (\$1,000's)		\$60.360	

Royal was contracted through the City of Youngsville to perform design, bidding and construction management services for the rehabilitation of Détente Road located in Youngsville, Louisiana. An assessment of the roadway was performed to identify the existing conditions and damaged areas requiring reconstruction. During the initial assessment, Royal performed an alternatives analysis to compare three types of rehabilitation: 1) mill & overlay with pavement patching, 2) mill & overlay with a pavement interlayer reinforcement layer, and 3) a complete roadway rebuilding including base replacement. After evaluation, the project will consist of mill & overlay of asphaltic pavement including asphaltic pavement patching. Royal has performed preliminary and final design and the project has been publicly bid and awarded.

Royal held the pre-bid conference for potential bidders to discuss the projects specifics and answered all any contractor's questions. Requests for Information were received, reviewed, answered, and dispersed to all potential bidders. Once bids were received, Royal evaluated all bids and presented the City an award recommendation.



Royal's responsibilities during the Preconstruction phase consisted of planning and coordination with the general contractor, starting with a Preconstruction meeting with all project associated personnel. This was followed by a technical review of all proposed construction material submittals by the GC to verify as sufficient according to the plans and specs.

Royal performed construction management services which consisted of verifying that all work is performed in accordance with the plans and specifications, review

of the construction schedule with the general contractor and City to minimize any inconvenience to the affected residents, coordination with the contractor and testing agencies, general administration of construction contract, review of contractor pay applications, substantial completion walkthroughs with associated punch list, recommendation of final acceptance to the Owner, and construction as-built drawings.

Construction Cost: \$492,739.50

Key Personnel: Beau Tate, PE (Engineer of Record); Katherine Foreman, PE (Design Support)

CITY OF YOUNGVILLE
DETENTE ROAD REHABILITATION
STATE HIGHWAY 734
LAFAYETTE PARISH

MAJOR
 IREN BITTER

CITY COUNCIL
 DIVISION A - JAMISON ABISHIRE
 DIVISION D - LAUREN MICHEL
 DIVISION C - WATT ROHMRO
 DIVISION D - KENNETH STANBERRY
 DIVISION E - DIANNE MCCLELLAND

NOTICE TO BIDDERS

DATE	DESCRIPTION
10/06	1. PRELIMINARY BIDDING
10/06	2. PRELIMINARY BIDDING
10/06	3. PRELIMINARY BIDDING
10/06	4. PRELIMINARY BIDDING
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CITY MAP
 SCALE: 1" = 100'

SCALE OF 1/8" = 1'



Firm name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Road
Project name	Polly Lane Extension	Firm responsibility (prime or sub?)	Prime
Project number	2015-18	Owner's name	Lafayette City-Parish Consolidated Government
Project location	Lafayette, LA	Owner's Project Manager	Alison Lognion
Owner's address, phone, email	705 W University Ave, Lafayette, LA 70506 P.337.291.8522, E. alognion@lafayettela.gov		
Services commenced by this firm (mm/yy)	08/15	Total consultant contract cost (\$1,000's)	\$351
Services completed by this firm (mm/yy)	11/21	Cost of consultant services provided by this firm (\$1,000's)	\$117

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

Royal Engineers and Consultants, LLC ("Royal") was contracted by Lafayette City-Parish Consolidated Government to provide professional engineering design services for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section to Verot School Road. A small diameter roundabout was also designed and constructed at the intersection of Polly Lane with Gathright Rd as a traffic calming measure to between commercial and residential portions of the street. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to the existing roadway is 930 linear feet. The roadway extension/connection consists of a 2-lane asphaltic concrete roadway, curb and gutter and grate inlet type drainage systems, reinforced concrete roundabout, concrete box culvert in Issac Verot Coulee Lateral 7, articulating block matting for scour protection, sidewalks, and street lighting. The roundabout is 32 ft diameter reinforced Class A concrete, stained with brick red color. 13" thick concrete reinforced with #4 rebar at 12" on center each was utilized, with lime treated subgrade.



Additional project features include the installation of approximately 1,200 linear feet of an 8" water line to connect service across the coulee. Horizontal Directional Drilling (HDD) was utilized for the coulee crossing. Permitting services for the coulee crossing were also provided, including a water permit from the Department of Health and Hospitals and a 404 permit from the USACE. Royal's design phase services include all preliminary and final plans, preparation of all necessary right-of-way maps/plats and other governmental staking and inspection authorized on an as-need basis by the owner, opinions of probable construction cost, design calculations, utility coordination, site condition assessment and surveying, permitting, and preparation of bid documents.



Construction phase services include pre-construction coordination, contractor submittal review and tracking, shop drawing review and approval, RFI management, progress meetings, construction monitoring, quantity tracking, full-time resident inspection, engineering during construction, preliminary and final walk-through, punch list, substantial completion coordination, completion of record drawings and contractor pay request preparation and coordination. Design and construction of the project were divided into several phases to expedite the construction of the road and provide access to a newly built apartment complex.

Key Personnel: Katherine Foreman, PE, (Project Engineer); Beau Tate, PE, (Project Manager, Engineer of Record), Brennon Bourgeois (Engineering Support During Construction)

Firm name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Road
Project name	Camellia—Settlers Trace Turning Lane	Firm responsibility (prime or sub?)	Prime
Project number	2017-09	Owner's name	Lafayette Consolidated Government
Project location	Lafayette, LA	Owner's Project Manager	Alison Lognion
Owner's address, phone, email	705 W University Ave, Lafayette, LA 70506 337.291.8522, alognion@lafayettela.gov		
Services commenced by this firm (mm/yy)	12/17	Total consultant contract cost (\$1,000's)	\$116.7
Services completed by this firm (mm/yy)	02/22	Cost of consultant services provided by this firm (\$1,000's)	\$59

Royal was contracted by Lafayette Consolidated Government (LCG) to provide professional engineering design services for the addition of a dedicated right turn lane and a second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard in Lafayette, Louisiana. Project features included approximately 1200 SY of new concrete pavement and associated base course, 160 LF of new storm drainpipe, 400 SY of concrete sidewalks, 4 new or modified drainage structures, 3 new traffic signal heads, and modifications and improvements to the street lighting system.

Royal's design phase services included all preliminary and final plans, specifications, performing boundary survey and preparation of all necessary right-of-way maps/plats, opinions of probable construction cost, design calculations, and utility coordination and relocation. Design for the roadway modification included performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Royal also provided plans for road striping, sidewalk relocation and ADA ramp reconstruction, street lighting, and recommendations for construction phasing.

Construction phase services included pre-construction coordination, contractor submittal review and tracking, shop drawing review and approval, RFI management, on-site progress meetings, construction monitoring, engineering during construction, preliminary and final walk through, punch list, substantial completion coordination, completion of record drawings and contractor pay request and change order preparation. Royal also provided Resident Inspection services throughout the duration of construction.

Boundary surveying services for the project were sub-consulted to T. Baker Smith, LLC. Upon completion of Preliminary Plans and the Plan-In-Hand meeting, Royal determined through coordination with the LCG Traffic Department that the new right turn lane and relocated sidewalk could be constructed within the existing Camellia Boulevard right-of-way by reducing the lane widths at the location of the new turn lane from 12 ft to 11 ft, thereby eliminating any need for right-of-way acquisition.



Key Personnel: Katherine Foreman, Beau Tate, Shaun Tynes, Brennon Bourgeois, Billy Fontenot, Carter O'Brien

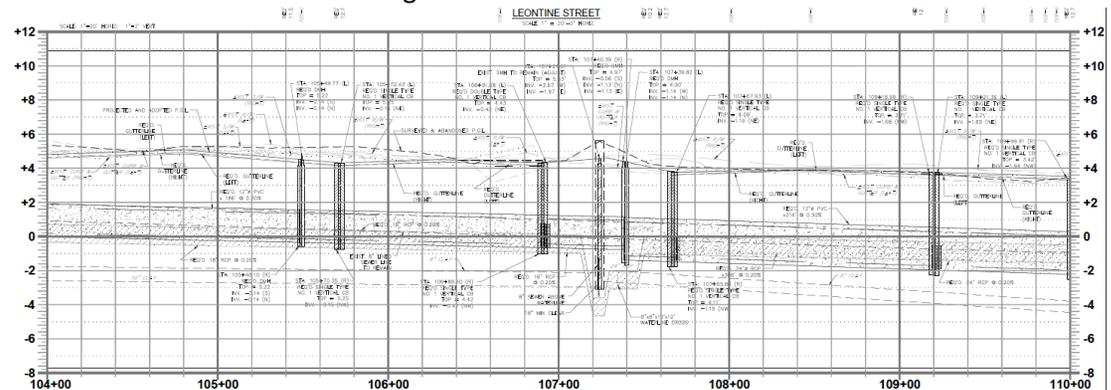
Firm name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Road
Project name	City of New Orleans Street Repair – Leontine, Valmont, Coliseum, Chestnut	Firm responsibility (prime or sub?)	Sub
Project number	2017-15	Owner’s name	Stuart Consulting Group (Prime)/City of New Orleans, LA
Project location	New Orleans, LA	Owner’s Project Manager	Chris Blazo, P.E.
Owner’s address, phone, email	Stuart Consulting Group, 1018 Central Ave, Metairie, LA 70001 504.888.5733 chrisb@stuartconsultinggroup.com		
Services commenced by this firm (mm/yy)	04/18	Total consultant contract cost (\$1,000’s)	\$185
Services completed by this firm (mm/yy)	10/20	Cost of consultant services provided by this firm (\$1,000’s)	\$185

Royal was subcontracted by Stuart Consulting Group, Inc. (SCG) to provide Engineering Design and Construction Administration Services for the City of New Orleans for roadway enhancement and full reconstruction of streets and utilities in a portion of the Uptown neighborhood of New Orleans, Louisiana. The project area includes Camp Street (from Valmont St. to Jefferson Ave.), Leontine Street (from Magazine St. to Prytania St.), Valmont Street (from Magazine St. to Prytania St.), Coliseum Street (from Valmont St. to Leontine St.), and Chestnut Street (from Valmont St. to Jefferson Ave.). Royal’s scope of services on the project includes mainline stormwater drainage design, potable water line replacement design, and sanitary sewer line replacement design all in accordance with New Orleans Department of Public Works and New Orleans Sewerage and Water Board requirements.



Royal’s Engineering Design services included performing drainage analyses in accordance with City of New Orleans and DOTD requirements, determining proposed alignments and elevations of proposed sewer and water lines in compliance with required clearances with other utilities, preparing AutoCAD drawings for Preliminary and Final Plans, providing quantity takeoffs for cost estimating, and attendance at design kickoff meeting, progress meetings, and Plan-in-Hand meeting. Completion of the project design plans required close coordination and teamwork with the prime consultant and the City of New Orleans to ensure the proposed subsurface infrastructure designs agree with the proposed reconstructed roadway elevations and design sections and can be tied into existing subsurface infrastructure.

Key Personnel: Katherine Foreman, P.E.; Beau Tate, P.E.; Brennon Bourgeois, E.I.; Shaun Tynes, Carter O’Brien



Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*	Road
Project name	Mandeville Bypass Traffic Study, Line & Grade, Environmental Assessment, and Design			Firm responsibility (prime or sub?) Sub
Project number	N/A	Owner's name	St. Tammany Parish	
Project location	Mandeville, LA	Owner's Project Manager	Laura B. Gatlin, PMP	
Owner's address, phone, email	620 N Tyler Street, Covington, LA 70434, Phone: 985.898.2552, Email: lcbeach@stpgov.org			
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost (\$1,000's)	\$2,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$450	

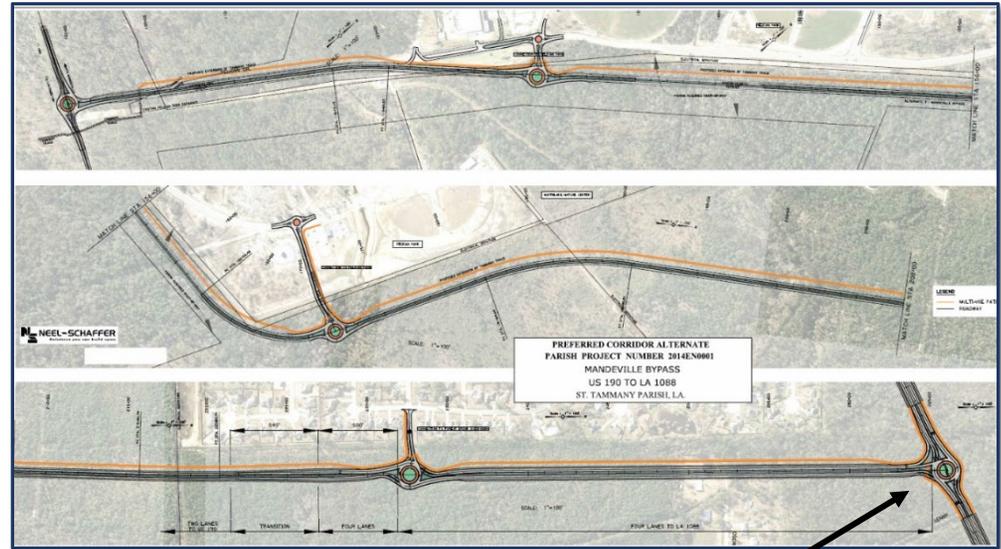
The Mandeville Bypass will provide a new 3-mile median section roadway with integral bike bath connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will also provide multiple entrances to Pelican Park, a major recreation facility serving west St. Tammany Parish.

Neel-Schaffer is managing the public involvement, developing traffic forecasts, providing traffic analysis, completing the preliminary and final roadway plans, traffic control design, utility coordination, construction cost estimates, and construction support. The project includes roundabout intersections at connecting state routes as well as a pedestrian and bicycle path integral with the route design. Neel-Schaffer is also leading the environmental planning for the project as well as permitting as may be required.

Challenge: Pipeline conflicts

Solution: NSI coordinated closely with pipeline owners, assisted with locating lines and depths in the field and based on map data and provided revisions to drainage design to provide the necessary cover. The final roadside drainage included concrete lined ditches over the pipelines.

Key Personnel: Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont (L&G Engineering)



LA 1088 at Mandeville Bypass

Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Category(ies)*	Road
Project name	LA 1026 (Juban Rd) Widening (I-12 to US 190)		Firm responsibility (prime or sub?)	Prime
Project number	H.004634	Owner's name	Livingston Parish / DOTD	
Project location	Livingston Parish, LA		Owner's Project Manager	Peggy Paine, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1065; peggy.paine@la.gov			
Services commenced by this firm (mm/yy)	08/12	Total consultant contract cost (\$1,000's)	\$877	
Services completed by this firm (mm/yy)	03/19	Cost of consultant services provided by this firm (\$1,000's)	\$877	

Neel-Schaffer, Inc. (NSI) was selected as prime consultant to complete the preliminary and final roadway plans, hydraulic analysis and design, construction cost estimates, and construction support. The project will widen existing LA 1026 (Juban Road) from an existing two-lane road with side ditches to a 4-lane Blvd with storm sewer drainage, roadside ditches and a combination of both along select segments of the roadway. The proposed improvements include major cross drain extensions and 10-foot side paths on both sides of the roadway corridor. The intersection of La 1026 (Juban Road)/US 190 (Florida Blvd) will be improved with a roundabout in this project. This project will commence at the intersection of LA 1026 (Juban Road) and the I-12 north interchange ramps and continue to the intersection of LA 1026 (Juban Road) and US 190 (Florida Blvd) and end approximately 2,000 feet east and west along US 190 (Florida Blvd) from the intersection of LA 1026 (Juban Road). The various Tasks performed under this Stage 3 Design Contract are as follows:

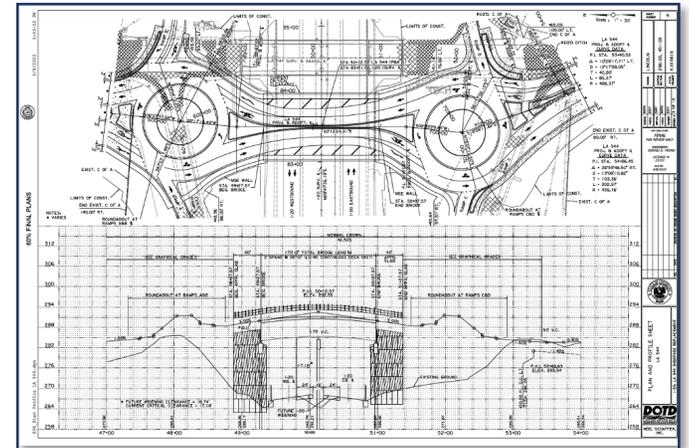
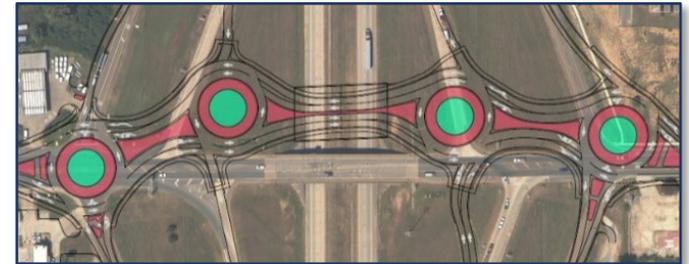
- | | | |
|----------------------------|---|---------------------------------|
| Part I: Surveying Services | Part II: R/W Acquisition and Utility Relocation | Part III: Preliminary Plans |
| Part IV: Final Plans | Part VI: Inspection Services | Part VII: Construction Proposal |

Key Personnel: Dishili Young (project manager/engineer of record),



Firm name	Neel-Schaffer, Inc.		Past Performance Evaluation Category(ies)*	Road
Project name	I-20: LA 544 Overpass Replacement		Firm responsibility (prime or sub?)	Prime
Project number	H.010616	Owner's name	LADOTD	
Project location	Lincoln Parish, LA		Owner's Project Manager	Jacob Fusilier, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1065; peggy.paine@la.gov			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	\$1,064	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$990	

Neel-Schaffer is currently working on the 95% final plans for this project. NSI is responsible for providing the preliminary and final roadway plans, traffic control design QA/QC, TMP QA/QC, Sequence of Construction, hydraulic analysis and design, and construction cost estimates.. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes a new bridge over I-20, roadway widening (from two to four lanes), sidewalks and four multilane roundabouts. The four roundabouts will be constructed with locations as follows: on LA 544 at the I-20 entrance/exit ramp intersections and on LA 544 at its intersections with the frontage roads (Woodward Avenue & S. Service Road). The bridge design and retaining wall design will be completed by DOTD.



Challenges:

1. Large grade changes required along ramps without impacts to the gores.
2. Structural design by DOTD while roadway design is completed by consultants.

Solutions:

1. NSI provided for a variation in the ramp design speed (between the ramp proper and terminal) which provided ramp vertical alignments that met the design requirements but prevented changes in access that might require an IMR.
2. NSI completed the design in close coordination with DOTD early on and continually during the design process. NSI proposed alignments minimized the construction phasing for retainage walls, provided for interstate clearances which would allow for future interstate widening and simplified the bridge design effort for DOTD while minimizing impacts. NSI and DOTD are working as one team to successfully complete the project.

Key Personnel: Jerry Trumps, Dishili Young,

Firm name	Batture, LLC		Past Performance Evaluation Discipline(s)*	Survey
Project name	LA SAFE Gretna Resilience District Kickstart Phase I		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	City of Gretna / Waggonner & Ball (Prime)	
Project location	Gretna, LA		Owner's Project Manager	Amelia Pellegrin
Owner's address, phone, email	(504) 524-5308, andy@wbae.com			
Services commenced by this firm (mm/yy)	08/19	Total consultant contract cost (\$1,000's)	unknown	
Services completed by this firm (mm/yy)	08/20	Cost of consultant services provided by this firm (\$1,000's)	180	

The Gretna Resilience District Kickstart is a parish-owned Resilient Infrastructure and Community Nonstructural Mitigation/Flood Risk Reduction project. This phase of the project focuses on Gretna City Park, an existing public space that occupies nearly 100 acres in the center of the City of Gretna. The existing amenities are focused primarily on passive use with lots of open space, an existing retention pond, forested areas, and some pathways connection to limited parking areas. Aside from the primary goal of the project, which is to address localized flooding and repetitive loss in the district, other goals include: improving access to the park and connectivity into its interior, introduce more active programming elements, provide landmarks and destinations within the park, provide additional parking, repair existing structure on site such as the outfall weir on Claire Ave, designate pedestrian routes through the park with the use of trails, expand and enhance the existing pond system, improve water quality within the park and district to provide a healthier habitat for local wildlife, and introduce interpretive signage to educate the public about water quality and green infrastructure.

Waggonner & Ball Architecture/Environment (WBAE) (the project architects) worked with the City of Gretna on an 8-week programming/scenario planning phase prior to beginning design on the Gretna Park Resiliency Improvements project. Once this initial phase was complete Batture worked directly with WBAE and the project landscape architect (Carbo Landscape Architecture) for the design phase. Batture was responsible for all H&H modeling (and surveying associated with the modeling); structural engineering of the renovation weir structure platform, proposed overflow weir structures for the expanded lagoon system, and new event pavilion; civil site design and grading; stormwater management design; habitat assessments; sedimentation and erosion control; and some cost estimation for the project.

Key Personnel: Robert Mora, PE, PLS; Roderick Richardson

Firm name	Batture, LLC	Past Performance Evaluation Discipline(s)*		Survey
Project name	Mid-Breton Sediment Diversion		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	CPRA	
Project location	Plaquemines Parish, LA		Owner's Project Manager	unknown
Owner's address, phone, email	Stantec, Dan Grandel, 504-322-3050 ext 109, dan.grandel@stantec.com			
Services commenced by this firm (mm/yy)	03/19	Total consultant contract cost (\$1,000's)		unknown
Services completed by this firm (mm/yy)	06/19	Cost of consultant services provided by this firm (\$1,000's)		150

The Mid-Breton Sediment Diversion Project is located on the east side of the Mississippi River near river mile 68 above Head of Passes (AHP). The intent of the project is to capture sediment laden water from the Mississippi River and then convey that captured water and sediment to the Breton Sound Basin. Stantec is providing programming, design, and construction administration for the design and construction of the Mid Breton Sediment Diversion Project. Batture LLC provided topographic & right-of-way surveying for a portion of LA Hwy 39 in support of the project in accordance with DOTD drawing standards.

Key Personnel: Robert Mora, PE, PLS; Roderick Richardson

Firm name	Batture, LLC	Past Performance Evaluation Discipline(s)*		Survey
Project name	Stage 0/Phase I and Stage I/Phase Infrastructure Improvements: Causeway Boulevard at US 90/Jefferson Highway		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	New Orleans Regional Planning Commission (Agency)	
Project location	Jefferson Parish, LA		Owner's Project Manager	unknown
Owner's address, phone, email	Jeffrey W. Roesel, 504-483-8500, jroesel@norpc.org			
Services commenced by this firm (mm/yy)	03/19	Total consultant contract cost (\$1,000's)		unknown
Services completed by this firm (mm/yy)	08/20	Cost of consultant services provided by this firm (\$1,000's)		152.87

Batture, LLC assisted 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.

In Phase II, Batture provided environmental and surveying services including right-of-way surveying and identified any conflicting issues present for the revised Stage 0 and Phase 1. Building on information gathered in Phase I of this project, Batture provided a revised Stage 0 Environmental Checklist/Narrative, Phase I Environmental Site Assessment, Preliminary Environmental Assessment, FONSI, and Stage I Report.

Key Personnel: Robert Mora, PE, PLS; Roderick Richardson

Firm name	The Beta Group	Past Performance Evaluation Discipline(s)*		Geotechnical
Project name	Monroe St. Roundabout		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Meyer Engineers	
Project location	Mandeville, Louisiana		Owner's Project Manager	David Dupre, P.E.
Owner's address, phone, email	4937 Hearst St., Suite 1B Metairie, LA 70001- 504-885-9892			
Services commenced by this firm (mm/yy)	06/2018	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	08/2018	Cost of consultant services provided by this firm (\$1,000's)		\$13.6K

Project Description: This project consists of constructing a new Roundabout, installing 12 in. to 54 in. diameter subsurface drainage pipes at a maximum invert of 7 ft. below the existing ground surface, and installing new 30 ft. tall light poles at Monroe St. and E. Causeway Approach in Mandeville, Louisiana.

Services Provided: The subsurface exploration consisted of ten undisturbed soil test borings performed in July of 2018. The locations of the borings were in the field by a TBG representative by making measurements from known site features based on a site plan provided by Myer Engineers. The soil test borings were drilled utilizing a truck mounted drill rig at the designated locations. Undisturbed sampling was performed continuously in the upper 10 ft. and on 5 ft. centers thereafter, with a 3 in. diameter thin-walled tube sampler. Representative samples were removed from the tubes and placed in moisture-proof containers for laboratory testing.

Testing and Analyses: Atterberg Limits, Unconfined Compression Tests, Natural Moisture Content, Percent Passing #200 Sieve, Unit Weight Determination, Deep Foundation, estimated Settlement, and Bedding, backfill, and Pavement Recommendations.

Key Personnel: Alex Jeramillo, PE; Benjamin Kempton

Firm name	The Beta Group	Past Performance Evaluation Discipline(s)*		Geotechnical
Project name	Roundabout at Intersection of Hwy. 11 & Spartan Drive		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Meyer Engineers	
Project location	Slidell, Louisiana		Owner's Project Manager	Mark Schutt, P.E.
Owner's address, phone, email	4937 Hearst St., Suite 1B Metairie, LA 70001- 504-885-9892			
Services commenced by this firm (mm/yy)	08/2022	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	06/2023	Cost of consultant services provided by this firm (\$1,000's)		\$10.9K

Project description: This project will consist of constructing a new Roundabout, located at the intersection of Hwy. 11 and Spartan Drive, in Slidell Louisiana. This Roundabout will include numerous streetlights, various drainage structures, and a landscape wall at the center of the Roundabout. The roadway along Spartan Drive will be constructed with flexible pavement.

Services provided: The subsurface exploration consisted of seven undisturbed soil test borings performed in August of 2022. The soil test borings were located in the field by a TBG representative by making measurements from known site features based on a site plan provided by Meyer Engineers. The soil test borings were drilled utilizing a truck mounted drill rig at the designated locations. Undisturbed sampling was performed continuously in the upper 10 ft. and on 5 ft. centers thereafter, with a 3 in. diameter thin-walled tube sampler. Representative samples were removed from the tubes and placed in moisture-proof containers for laboratory testing.

Testing and Analyses: Atterberg Limits, Unconfined Compression Tests, Natural Moisture Content, Percent Passing #200 Sieve, Unit Weight Determination, Pavement Design Recommendations

Key Personnel: Alex Jeramillo, PE; Benjamin Kempton, Hanna Jenkins, E.I.

Firm name	The Beta Group	Past Performance Evaluation Discipline(s)*		Geotechnical
Project name	Proposed Roadway Improvement, Isabel Swamp Rd		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Kyle & Associates, LLC	
Project location	Bush, Louisiana		Owner's Project Manager	James E. Powell, P.E., P.L.S.
Owner's address, phone, email	638 Village Lane North Mandeville, LA 70471- 985-727-9377			
Services commenced by this firm (mm/yy)	12/2020	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	04/2021	Cost of consultant services provided by this firm (\$1,000's)		16K

Project description: The project will consist of improving Isabel Swamp Rd., in Bush, Louisiana. The project will begin at LA-40 and will extend north approximately two (2) miles to the Washington Parish and St. Tammany Parish line.

Services provided: The subsurface exploration consisted of twenty-six (26) undisturbed soil test borings performed in December of 2020 at the referenced site. The soil test boring locations were located in the field by a TBG representative based on a site plan provided by Kyle Associates, LLC. The soil test borings were drilled utilizing a truck mounted drill rig at the designated locations. Undisturbed sampling was performed continuously in the upper 10 ft. and on 5 ft. centers thereafter, with a 3-inch diameter thin-walled tube sampler. Representative samples were removed from the tubes and placed in moisture-proof containers for laboratory testing.

Testing and Analyses: Atterberg Limits, Unconfined Compression Tests, Natural Moisture Content, Unit Weight Determination, Percent Passing #200 Sieve, Soil Bearing Capacity, Estimated Settlement, Bedding and Backfill Recommendations, and Pavement Design Recommendations.

Key Personnel: Alex Jeramillo, PE; Benjamin Kempton

18. Approach and Methodology:

Project Information

The purpose of this project is to construct a roundabout at the intersection of Civic Center Boulevard and Valhi Boulevard, in Houma, Louisiana.

Teaming Approach

Our Team consists of a diverse team of professionals with extensive experience delivering roadway and various other project types for the LADOTD, for TPCG, and other clients throughout the state. Royal Engineers and Consultants, LLC (Royal) will lead the Team providing project management, roadway design, hydraulic design, and overall QA-QC for the project. We will leverage the immense transportation design experience of Neel-Schaffer, Inc. (NSI) to provide engineering support and participate in QA-QC reviews. Batture, LLC (Batture) will provide topographic surveying, boundary survey, and right-of-way map services. The Beta Group (Beta) will perform Geotechnical Services to investigate subsurface conditions and provide pavement recommendations for the project.

Project Kick-off

Upon Notice of Award (NOA), Royal will be ready to mobilize and initiate design services. We will start by submitting our QA/QC Plan within 10 days of NOA and proceeding to prepare an initial project schedule. We will coordinate with the DOTD Project Manager to schedule an in-person design kickoff meeting, which will include a site visit with DOTD, TPCG, utility companies, NSI, Batture, and Beta present to clarify the project limits and to identify any potential design concerns. Topics of discussion at the kickoff meeting will include:

- Request from TPCG any existing project information such as:
 - Valhi Blvd. and Civic Center Blvd. design or as-built drawings
 - Drainage Maps
 - Stage 0 Feasibility Analysis, including traffic counts
- Whether TPCG wants to complete the widening of the Valhi Blvd to a 4-lane roadway on the East approach to the project.
- Whether a public meeting will be necessary to address local concerns including pedestrian accessibility and safety for the roundabout. Royal can provide assistance to local officials to mitigate public response and provide exhibits for the meeting for ease of viewing. Any special requirements or requests TPCG has for the project.

Before proceeding with design development, Royal will prepare a Project Design Criteria Report to serve as the basis for design and deliverables.

Preliminary Design

Immediately following the design kickoff meeting, Royal will engage Batture to perform the topographic survey and prepare a drainage map. The survey will be performed in accordance with the current edition of the DOTD Location and Survey Manual using the Louisiana State Plane Coordinate System. The survey extents will extend a minimum 10 ft beyond the apparent R/W of Civic Center Blvd and Valhi Blvd and will be extended to capture the entire extents of the projected project footprint, unless determined otherwise at the design kickoff meeting. In accordance with the project solicitation, the topographic survey will include the establishment of referenced iron rods as necessary, location and establishment of ownership of utilities, and coordination with the DOTD Location and Survey Administrator as required. The topographic survey will capture standard topographic features as well as locations and elevations of all pertinent features within the project extents such as: apparent existing R/ W, sidewalks, drainage inlets, top of casting/covers for utilities, ditches/swales, driveways, edges of road and shoulders, fences, trees, landscaping, mailboxes, street signs, buildings near the road, and other permanent structures. Royal will also request authorization from DOTD for Batture to initiate Title Takeoff services at the onset of the project.

The topographic survey will be used to produce the 30% Preliminary Plans, which will include a title sheet, proposed typical section, and plan/profile sheets showing the topographical survey of existing conditions.

Royal will also engage Beta following the design Kickoff meeting to develop a Geotechnical Investigation Plan. Upon approval of the plan, Beta will begin their investigation. The roundabout design development will continue while the 30% plans are in review by DOTD. NSI will be involved early and throughout design development to provide valuable insight to optimize the design and constructability of the project. Road design will be in accordance with the LADOTD Road Design Manual, in particular Chapter 6.9 Roundabout Design. Drainage design for the project is anticipated to consist of curb inlets and storm drains to match and tie-in with the existing system and will aim to maintain existing drainage patterns to the extent practical. All drainage analysis and design will be in accordance with the 2011 LA DOTD Hydraulics Manual. Sidewalks and driveways will be designed in accordance with the criteria established by the Project Design Criteria Report, while prioritizing pedestrian safety, minimizing R/W acquisition, and satisfying all requirements of section 5.6 of the Road Design Manual, current ADA requirements, LADOTD Standard Plans, and the criteria prescribed in 23 CFR 625, Design Standards for Highways.

The 60% Preliminary plan set will address any comments from DOTD and TPCG and build upon the 30% plans with the addition of horizontal and vertical alignment of the proposed sidewalk, geometric details, cross sections, and drainage plan/profile sheets if deemed applicable. At this stage, utility relocation recommendations will be developed, and a Preliminary Design Report will also be submitted. Following completion and review of 60% Preliminary plans, authorization for TBS to perform the Property Survey and start R/W Map services will be requested from the DOTD Project Manager. All Property Survey and R/W Map services will be performed in accordance with DOTD's Location and Survey Manual Addendum A.

The 90% Preliminary plans will incorporate any comments from the previous design stage and additionally include summary sheets with tables and suggested sequence of construction. A draft of the Final Design Report will be submitted along with the Preliminary Cost Estimate and QA/QC Checklist. Royal will address comments from the 90% Preliminary review and submit/distribute 95% Preliminary plans prior to the Plan-In-Hand (PIH) meeting.

If necessary, 100% Preliminary plans and the finalized Final Design Report will be submitted to address comments from the PIH meeting.

All required Preliminary Design deliverables will be in accordance with the LADOTD Project Delivery Manual, Electronic Deliverables requirements, and the LADOTD CAD Standards.

Final Design

Upon receiving environmental clearance and notice to proceed for final plans, Royal will prepare and submit 60% Final plans. The Base R/W Map will also be submitted for the Joint Review. A Revised Design Report will also be provided if one or more design criteria is changed from the Final Design Report.

Following the Joint Review, the Final R/W Maps will be prepared and submitted for LADOTD to use in acquisition of right-of-way needed to construct the proposed roundabout.

The 95% Advanced Check Prints (ACP) will then be produced, incorporating all comments from the previous review. At this stage, the design will consist of a complete plan set which will have sufficient detail for construction. The ACP drawings will be accompanied by a completed QA/QC checklist, Special Provisions, and a Revised Design Report, if applicable.

The 98% Final plans will incorporate comments from the previous review, complete with a copy of all design computations used in developing the pay quantities and the drainage design data for culverts and storm sewers, as applicable, Constructability Review Form, final QA/QC checklist, and Contract Time Worksheet,

PRR Form, and SWPPP. Site-specific erosion and sediment control plans and a SWPPP will be prepared in accordance with the LA DOTD Erosion Control Guidelines. The 98% Final plans will be reviewed to ensure all comments have been incorporated and to assure quality before production of final, stamped plans. The 100% Final plans will consist of the final, signed and stamped design drawings, ready to be used for letting and construction.

All required Final Design documents will be delivered in accordance with the schedule set forth by the DOTD Project Manager and will be in accordance with the LADOTD Project Delivery Manual, Electronic Deliverables Requirements, LADOTD CAD Standards, and all other size, formatting, and quality standards adopted by DOTD.

Construction Support

Once the project proceeds to construction, Royal will remain ready to provide as-needed engineering support throughout the duration of construction. We understand this will include reviewing and addressing all RFIs concerning plan & specification clarifications, providing construction on-call support, assisting DOTD with meetings upon request, and delivering requested minor design changes and corrections. Royal routinely provides engineering support during construction for our design projects, and additionally frequently provides additional services such as resident inspection and complete construction management services. As such, we are equipped to provide the required support and respond to all requests in a timely manner.

Team Performance History

Royal has a unique relationship with TPCG, providing on-site project management to support the reconstruction of Parish infrastructure following Hurricane Ida. Additionally, Royal has excellent, long-standing relationships with Batture and Beta, working together to deliver roadway, bridge replacement, and other project types throughout the South Louisiana region. Royal and NSI are currently working together on a team designing and constructing the Mid-Barataria Sediment Diversion, a multi-billion dollar project crucial to the preservation of coastal Louisiana. NSI's insight from the successful completion of the LA 1026 (Juban Rd) Widening (I-12 to US 190) H.004634 project and numerous other roundabout and roadway projects will be instrumental in the successful design of the Civic Center Blvd and Valhi Blvd roundabout project. NSI has been providing engineering services for DOTD and for every major municipality in the State of Louisiana for over 35 years. NSI's most recent DOTD road design rating for a project was a 4.6 out of 5.0, which reflects NSI's understanding of DOTD's policies and procedures. . Our Team's combined expertise in delivering successful roadway projects for DOTD and other clients demonstrates our ability to provide TPCG with the design services needed for this project.

Capacity to Deliver

The normal workload for Royal is 30-50 concurrent, ongoing projects, each with project resource capacities easily being met. The program execution team presented herein is poised to begin work and is supported by a combined staff of over 40+ people. As such, we offer our assurance that we can and will provide the professional services required by the project advertisement immediately upon request. We have proven the capacity to scale and mobilize sufficient resources. As a small business delivering large-scale work, our resourcing strategy includes weekly measurement (and as needed, adjustment) of project commitments,



Aerial View of Project Area

available resources, and the resulting project task assignments. All project delivery plans target ahead-of-schedule milestones to accommodate resource adaptability needs. A schedule summarizing Royal’s plan to complete the project ahead of the 730 day estimated project duration is provided below.

Contract No. 4400027210
 State Project No. H.012859.5
 Entity Contract for Civic Center Blvd @ Valhi Blvd

Task Name	Duration	Q3 2023			Q4 2023			Q1 2024			Q2 2024			Q3 2024			Q4 2024			Q1 2025			Q2 2025		
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Kickoff Meeting/NTP	5d																								
Design Criteria Report	10d																								
Topo Survey	45d																								
Geotechnical Services	60d																								
30% Preliminary Design	90d																								
60% Preliminary Design	75d																								
95% Preliminary Design	75d																								
Property Survey & Base R/W Maps	145d																								
Plan-In-Hand Meeting	30d																								
100% Preliminary Plans	45d																								
MILESTONE: Receive Environmental Clearance / NTP for Final Plans	1d																								
Joint Review & Final R/W Maps	60d																								
60% Final Plans	75d																								
95% ACP	60d																								
98% Final Plans	60d																								
100% Final Plans	45d																								
MILESTONE: Project Completion	1d																								
Initial Services																									
Additional Services (If Authorized)																									

Depicted schedule is typical; exact schedule to be determined upon award.

19. Workload:

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

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

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Royal	Road, Bridge	4400024593/H.015009.5	DOTD OSBR West Metairie Ave Bridge	\$93,240.00
Royal	CE&I	4400024438/H.010673	Harvey Tunnel Rehabilitation	\$728,551.00
The Beta Group	CE&I/OV	H.013114.6	Southern University Erosion & Road Improvement	\$406.00
The Beta Group	CE&I/OV	H.009471	Belle Chasse Bridge & Tunnel Replacement Project	\$279.00
The Beta Group	CE&I/OV	H.013866	I-12:LA21 to US 190	\$74.00
The Beta Group	CE&I/OV	H.014097	LA 3021 (LA 39 - US 90)	\$1,800.00
Batture, LLC	Survey	4400024593 / H.015009	West Metairie Bridge Over South Suburban Canal	\$16,000
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	\$56,237
Neel-Schaffer, Inc.	ITS	440005459, H.004780.5 EWL No. 6, H.004780.5	Kansas Lane Connector	\$5,644
Neel-Schaffer, Inc.	Traffic	4400010428 S.A. 4, H.004774; H.007300.6	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	\$3,501
Neel-Schaffer, Inc.	ITS	4400010428 EWL #3; H.004774.5, H.007300	Kansas Lane - Garrett Road Connector and I-20 Improvements (SUB)	\$4,292
Neel-Schaffer, Inc.	Road	4400013850, H.009290.5	LSU Lab School SRTS Project	\$15,000
Neel-Schaffer, Inc.	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$230,393
Neel-Schaffer, Inc.	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$26,300
Neel-Schaffer, Inc.	ITS	4400016364, H.013256.6	ITS: I-10 ITS Scott to Lake Charles Technical Support Services During Construction	\$16,987
Neel-Schaffer, Inc.	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	\$110,300
Neel-Schaffer, Inc.	ITS	4400016364, H.015136.1	Northshore Regional ITS Architecture Update	\$46,568

Neel-Schaffer, Inc.	Traffic	44-17438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	\$21,269
Neel-Schaffer, Inc.	Traffic	4400013850, H.013622.5	LRSP Ardenwood Dr. Road Diet	\$6,454
Neel-Schaffer, Inc.	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	\$16,933
Neel-Schaffer, Inc.	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$106,675
Neel-Schaffer, Inc.	Safety	440023689, H.015148.5	District 03 Safety Investment Plan	\$251,493
Neel-Schaffer, Inc.	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$316,294
Neel-Schaffer, Inc.	Safety	4400023689, H.015227.5	US 61 @ Victoria Dr. Ped Crossing	\$89,897
Neel-Schaffer, Inc.	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	\$169,073
Neel-Schaffer, Inc.	Road	4400013850, H.015011.5	Local Rd. Striping & Signing (Ascension)	\$3,759

(Add rows as needed)

DO NOT SUM

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

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

20. Certifications/Licenses:

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



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

Date: March 10, 2021 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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

Date: March 10, 2021 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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

Date: March 11, 2021 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



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Ms. Dishili Shawon Young

License/Certificate Type - Number	Expiration Date
PE.0033723	09/30/2024
Status: Active	



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Ms. Mai Xuan Nguyen

License/Certificate Type - Number	Expiration Date
PE.0038189	03/31/2024
Status: Active	



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Mr. William Chance Shuckrow

License/Certificate Type - Number	Expiration Date
PE.0042746	03/31/2025
Status: Active	



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Mr. Michael Leon Pugh Jr.

License/Certificate Type - Number	Expiration Date
PE.0030911	03/31/2024
Status: Active	



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Mr. Scott Allan Andrepont

License/Certificate Type - Number	Expiration Date
PE.0037107	09/30/2024
Status: Active	



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Mr. Nick Joseph Ferlito Jr.

License/Certificate Type - Number	Expiration Date
PE.0028001	09/30/2023
Status: Active	

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Mr. Alec Carter O'Brien

License/Certificate Type - Number	Expiration Date
PE.0043647	03/31/2024
Status: Active	

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Mr. Beau Joseph Tate

License/Certificate Type - Number	Expiration Date
PE.0030990	03/31/2024
Status: Active	

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Ms. Cassidy D. Melancon

License/Certificate Type - Number	Expiration Date
EI.0034626	03/31/2025
Status: Active	

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Mr. Brennan Bourgeois

License/Certificate Type - Number	Expiration Date
EI.0034935	03/31/2024
Status: Active	

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Mr. William Dean Fontenot Jr.

License/Certificate Type - Number	Expiration Date
PE.0041036	03/31/2025
Status: Active	

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Mr. Laudun Micheal Landry

License/Certificate Type - Number	Expiration Date
PE.0045878	03/31/2024
Status: Active	

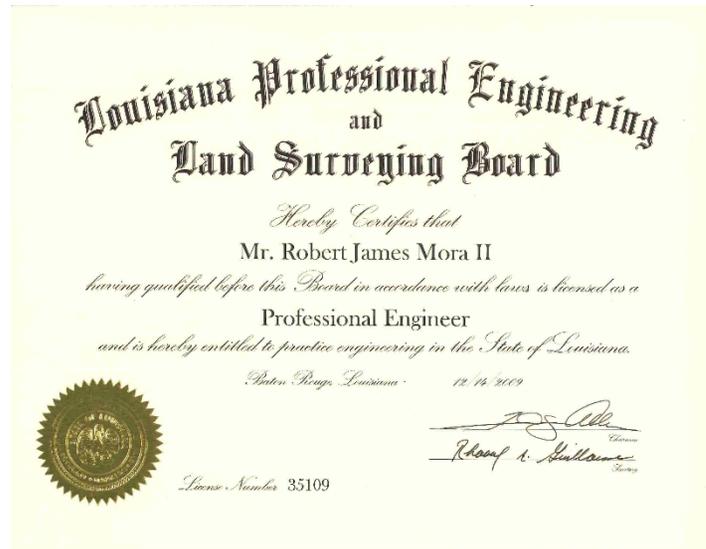
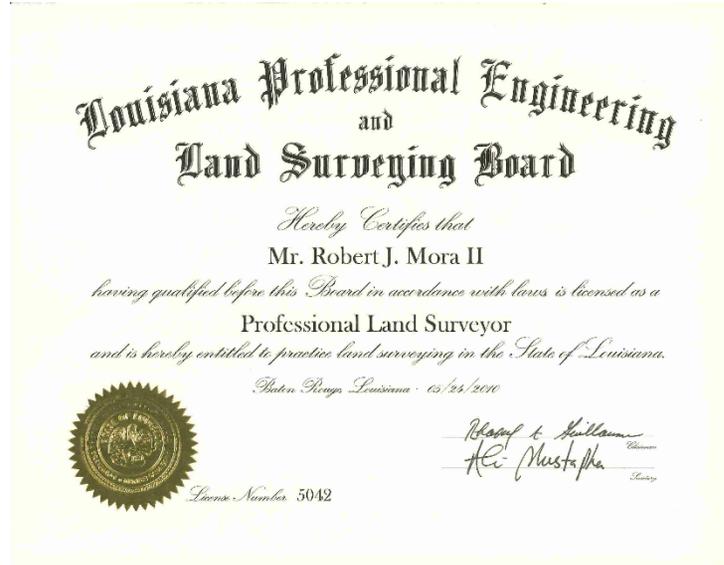
Batture, LLC

Professional Engineering Firm – EF 0005566
Professional Land Surveying Firm – VF 0000719
Hudson Initiative Certification
Disadvantaged Business Enterprise Certification

Professional Land Surveyor (LA)
Robert Mora, PE, PLS, ENV-SP – 05042

ATSSA Traffic Control Technician (LA)
Clifford “Kip” Montero (exp. 5/24/2026)
Roderick Richardson (exp. 5/24/2026)

ATSSA Traffic Control Supervisor (LA)
Clifford “Kip” Montero (exp. 5/25/2026)
Roderick Richardson (exp. 5/25/2026)



21. QA/QC Plan:

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

22. Sub-consultant information:

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

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
The Beta Group Engineering & Construction Services, L.L.C.	1428 ½ Claire Ave. Gretna, LA 70053	Murray D. White mwhite@betagroupgc.com	(504) 227-2273
Batture LLC	5110 Freret Street New Orleans, LA 70115	Robert Mora, Managing Partner bmora@batture-eng.com	504-533-8644 (office) 504-261-7143 (mobile)
Neel-Schaffer, Inc.	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810	Nick Ferlito, Jr., PE, PTOE Nick.ferlito@neel-schaffer.com	225-924-0235

(Add rows as needed)

23. Location:

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