ENGINEERING AND RELATED SERVICES
February 5, 2025
Contract No.: 4400030637
State Project No.: H.015985.5
Federal Aid Project No.: H015985

OFF-SYSTEM HIGHWAY BRIDGE PROGRAM CONTRACT FOR:

Pride-Baywood Rd Over Kidds Creek
East Baton Rouge Parish

PRESENTED TO:

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

SUBMITTED BY:

Royal Engineers and Consultants, L.L.C.
1501 Religious Street, Suite C
New Orleans, LA 70130
www.royal.us
504.283.9400

ROYAL

February 5, 2025

Department of Transportation and Development Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802-4438
DOTDConsultantAds80@la.gov

Contract No.: 4400030637
State Project No.: H.015985.5
Federal Aid Project No.: H015985
Off-System Highway Bridge Program: Pride-Baywood Rd Over Kidds Creek
Parish: East Baton Rouge

Dear Consultant Selection Committee,

Royal Engineers and Consultants, L.L.C. (Royal) respectfully requests your consideration of the enclosed proposal in response to the Louisiana Department of Transportation and Development (DOTD) advertisement for Engineering and Related Services on the Pride-Baywood Rd Over Kidds Creek bridge under the Off-System Highway Bridge Program (OSBR). Since 2005, Royal has delivered multi-disciplinary professional engineering design for industry, government, and the private sector across the Gulf Coast. Royal has provided engineering and related services for complex roadway and infrastructure programs throughout South Louisiana, totaling more than $1.5 billion. Our Engineering Design group is staffed with Professional Engineers with substantial knowledge in roadway and bridge design challenges. We have designed roads, bridges and drainage structures from Iberia Parish to St. Bernard Parish, and know South Louisiana design challeges well.

Royal is an ideal partner for this bridge repair project, because of our proximity and our working knowledge of the area's infrastructure. Our office in Baton Rouge is less than 30 miles from the project location, and we have been a professional services provider to DEMCO, the electric utility provider in this area, for the last five years. For this bridge, we have partnered with Basin LLC for Survey, Huval & Associates, Inc. for Structural Engineering and bridge subject matter expertise, and ELOS Environmental, LLC for environmental services.

We appreciate the opportunity to respond and look forward to working with DOTD. Please direct communication to our Primary Point of Contact, Katherine Foreman, P.E., by phone at (337) 456-5351 or via email at kforeman@royal.us.

Sincerely,

Michael Pugh, P.E., President
Royal Engineering and Consultants, L.L.C.

1.5B+
Design & Construction Management
Projects Since 2005

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised December 12, 2024)

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)*	Off-System Highway Bridge Program, Pride-Baywood Rd Over Kidds Creek
2. Contract Number(s) *(as shown in the advertisement)*	4400030637
3. State Project Number(s) *(if shown in the advertisement)*	H.015985.5
4. Prime Consultant Name *(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)*	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, Suite C, 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, Suite C, New Orleans, LA 70130
8. Name, Title, Phone Number, and Email Address *(prime consultant's contract point of contact)*	Katherine Foreman, P.E., Project Engineer, (337) 456-5351, kforeman@royal.us
9. Name, Title, Phone Number, and Email Address *(official with signing authority for this proposal)*	Michael Pugh, P.E., President, (504) 283-9400, mpugh@royal.us
10. *This is to certify that all information contained herein is accurate/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/agrees that the following information is correct: In preparing a response, the proposer has considered all proposals submitted from qualified, potential subcontractors/suppliers, and has not, in the solicitation selection/commercial treatment of any subcontractor/supplier, refused to transact/terminate business activities, taken other actions intended to limit commercial relations with person/entity that is engaging in commercial transactions in Israel/Israeli-controlled territories, with specific intent to accomplish a boycott/divestment of Israel. The proposer also has not retaliated against any person/entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder/proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on a false response.* *Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firear trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.*	 ***Signature above shall be the same person listed in Section 9:*** ***Date:*** February 5, 2025
11. *If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.*	***Firm(s):*** N/A ***Firm(s)' %*** N/A

12. 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:listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic)**. Remove rows as needed.***

DISCIPLINE(S)	% OF OVERALL CONTRACT	ROYAL ENGINEERS AND CONSULTANTS, L.L.C.	BASIN LLC (BASIN)	HUVAL & ASSOCI-ATES, INC. (HUVAL)	ELOS ENVIRONMENTAL, LLC (ELOS)	EACH DISCIPLINE MUST TOTAL 100%
Bridge	75%	85%	0%	15%	0%	**100%**
Survey	20%	0%	100%	0%	0%	**100%**
Environmental	5%	40%	0%	0%	60%	**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%**	65.75%	20%	11.25%	3%	**100%**

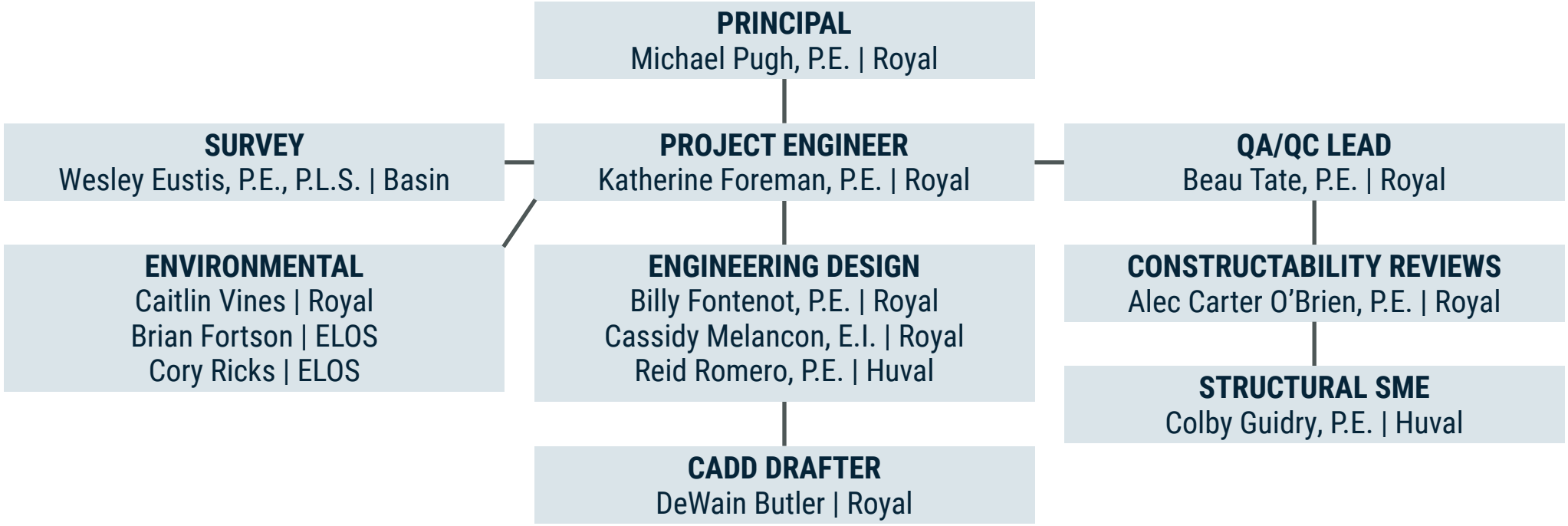
13. FIRM SIZE

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 (must 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 COMITTED TO THIS CONTRACT	TOTAL NUMBER OF PERSONNEL AVAILABLE IN THIS DOTD JOB CLASSIFICATION *(if needed)*
Royal Engineers and Consultants, L. L. C.	Engineer	3	10
	Engineer Intern	1	6
	CADD Drafter	1	3
	Principal	1	2
	Supervisor-Eng	1	3
	Environmental Pro	1	3
Basin LLC	Surveyor	1	1
Huval & Associates, Inc.	Engineer	2	18
ELOS Environmental, LLC	Environmental Manager	1	5
	Environmental Pro	1	2

14. ORGANIZATIONAL CHART

*Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.*



ROYAL 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 NUMBER *(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 & DISCIPLINE MEETING MPR/CERTIFICATION & NUMBER** *(Ex: PE # - Civil)*	**STATE OF LICENSE**	**LICENSE, CERTIFICATION, & EXPIRATION DATE**
1	Michael Pugh, P.E.	Royal	P.E. 0030911 Professional Engineer, Civil	LA	3-31-2026
2	Katherine Foreman, P.E.	Royal	P.E. 0046031 Professional Engineer, Civil	LA	3-31-2026
3	Beau Tate, P.E.	Royal	P.E. 0030990 Professional Engineer, Civil	LA	3-31-2026
4	Wesley Eustis, P.L.S.	Basin	P.L.S. 0005225 Professional Land Surveyor	LA	3-31-2026
5	Brian Fortson	Elos Environmental	N/A	N/A	N/A

16. STAFF EXPERIENCE

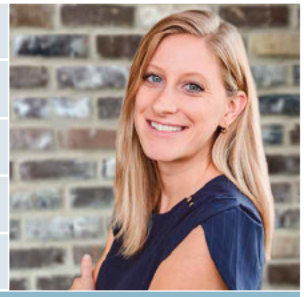
*Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés a**re limited to 2 pages per person.** Any certificates required by the advertisement are to be placed in Section 20.*

NAME: Michael Pugh, P.E.	**TITLE:** Principal	**FIRM EMPLOYED BY:** Royal Engineering and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 20		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S):** 8	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 1997 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 30911 / LA / 3-31-2026	**YEAR REGISTERED:** 2003	**DISCIPLINE:** Civil	
CONTRACT ROLE(S)/BRIEF DESCRIPTION OF RESPONSIBILITIES: Principal (MPR 1) / Project Oversight and Governance			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("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 28 years of experience in designing roads, bridges, canal crossings, drainage infrastructure, subsurface utility, sidewalks, and pedestrian facilities. Mr. Pugh also has extensive experience in oversight of Construction Engineering & Inspection (CE&I) functions of small- and large-scale roadway and bridge repair and replacement projects.
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Principal. Provided oversight and project governance for an engineering design of a bridge, replacing an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish, which is off the State Highway System. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.
08/15 – 05/22 *Featured Project*	**Magistrate Street at Corrine Canal | St. Bernard Parish, LA** Principal. Responsible for engineering design for repairs, restorations and/or replacement of bridge to its Pre-Katrina condition while preserving the historical value and original intent of the facility. Replaced existing culverts with precast Con-Span structures. Bridge design replaced the preexisting two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span, precast concrete structure.
08/15 – 02/20 *Featured Project*	**Gallo Drive Bridge at Arpent Canal | St. Bernard Parish, LA** Principal. Responsible for oversight of design and CE&I services for this project, which replaced the Gallo Drive at 20 Arpent Canal Bridge in St. Bernard Parish. The Gallo Drive Bridge scope included a full replacement of the existing two (2) – 60" concrete pipe culverts with a 26'-0" wide clear span, precast concrete structure.
02/12 – 04/15 *Featured Project*	**Plaza / Arpent Bridge | St. Bernard Parish, LA** Principal. Royal performed design and construction management services for the replacement of the Plaza /Arpent bridge. The existing culvert configuration was found to be inadequate to handle the increased flow of water during major rain events. The new bridge is 52 ft x 32 ft, and included removal and replacement of 400 sy of roadway pavement, 1250 ft concrete piles; and installation of 56 feet of concrete pipe, over 100 LF of guard rail, a handicap ramp, 5" rollover, 6" and 8" barrier concrete curb, and 190 LF of handrail.

04/19 - 05/24 *Featured Project*	**East Hardy Bridge Design and Replacement | Hattiesburg, MS** Principal. Served as QA/QC Lead for the team hired to provide Engineering services for bridge design, layout, specifications and probable cost. The existing East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Hattiesburg, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund. Mr. Pugh participated in Design Reviews and served as Civil Engineering Subject Matter Expert.
02/15 - 09/23	**Missouri Street at Corinne Canal | St. Bernard Parish, LA** Principal. Oversight and technical review of design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Missouri at Corrine Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span, precast concrete structure.
02/15 - 11/16	**Paul Drive at 20 Arpent Canal | St. Bernard Parish, LA** Principal and Engineer of Record. Led design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Paul Drive at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing three (3) – 72" Concrete Pipe Culverts with a 28'-0" wide 64'- 0" long clear span, precast concrete structure.
02/15 - 02/20	**Mumphrey Road at 20 Arpent Canal | St. Bernard Parish, LA** Principal. Oversight and technical review of design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Mumphrey Rd at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing two (2) – 60" Concrete Pipe Culverts with a 26'-0" wide 72 clear span, precast concrete structure.

ROYAL

NAME: Katherine Foreman, P.E.	**TITLE:** Engineer	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 8		**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 / 3-31-2026	**YEAR REGISTERED:** 2021	**DISCIPLINE:** Civil	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer (MPR 2)/ Project Engineer			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
8 Years of Experience	Ms. Foreman has 8 years of experience in civil engineering design on project types including roadways, bridges, bridge approaches, 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. She can use various software packages for H and H 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 meet DOTD standards, Unified Facilities Criteria (UFC), and local municipal codes. **CERTIFICATIONS:** Traffic Control Supervisor, Traffic Control Technician
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Engineer of Record. Provided engineering and related services required to develop plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish, which is off the State Highway System. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. The proposed structure will tie-in to the existing concrete lined Suburban Canal.
08/15 – 05/22 *Featured Project*	**Magistrate Street at Corrine Canal | St. Bernard Parish, LA** Engineer Intern. The Magistrate Street at Corrine Canal Bridge consisted of a Hazard Mitigation project to replace the preexisting two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide, 72'-0" long clear span, precast concrete structure. Responsible for hydraulic analysis, site layout and grading, foundation design, wingwall design, and coordinating development of plans. During construction, responsibilities included submittal reviews (pile loads and con-span wingwall), engineering design for repairs, restorations and/or replacement of bridge to its Pre-Katrina condition while preserving the historical value and original intent of the facility.
08/15 – 02/20 *Featured Project*	**Gallo Drive Bridge at Arpent Canal | St. Bernard Parish, LA** Engineer Intern. Responsible for the design for this project, which replaced the Gallo Drive at 20 Arpent Canal Bridge in St. Bernard Parish. The Gallo Drive Bridge scope included a full replacement of the existing two (2) – 60" concrete pipe culverts with a 26'-0" wide clear span, precast concrete structure.

02/15 – 09/23	**Missouri Street at Corinne Canal | St. Bernard Parish, LA** Engineer Intern. Provided engineering services for repairs/restorations/replacement of bridge, replacing culvert with a pre-cast Con-Span structure, performing hydraulic analysis, site layout/grading, foundation/wingwall design, plan coordination, and submittal reviews.
02/15 – 11/16	**Paul Drive at 20 Arpent Canal | St. Bernard Parish, LA** Engineer Intern. Supported design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Paul Drive at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing three (3) – 72" Concrete Pipe Culverts with a 28'-0" wide 64'- 0" long clear span, precast concrete structure.
11/20 – 06/24	**Indian Creek Low Water Crossing | Fort Polk, LA** Project Manager. Led the Royal team providing engineering services to design a new roadway low water crossing structure and to design repairs to the existing Sagebrush Road. Responsibilities include serving as the primary point of contact between Royal and DCMS, Inc., coordinating closely with the construction Contractor for the project throughout design of the project, designing the horizontal geometry of proposed new road, and supporting the design team with various design tasks such as Hydraulic Modeling, culvert sizing, and development of plans and specifications.
08/15 - 01/22	**Iberia Street Sidewalk | Youngsville, LA** Engineer Intern on team providing engineering design and construction management for the DOTD TAP-funded H.013443 Iberia Street Sidewalk, Ph 1 project in Youngsville, LA. The project consisted of installation of RCP drainage piping within the existing roadside ditches and a six-foot 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. Ms. Foreman provided design support for proper sizing of the proposed subsurface drainage
08/15 – 11/21	**Polly Lane Extension | Lafayette Consolidated Government** Engineer Intern. Provided engineering design for the connection of both dead-end streets of Polly Lane. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. Provided engineering design, analyses, and construction management for connection of both dead-end streets of Polly Lane and storm drainage system design.
06/15 – 06/17	**City of Youngsville Engineering Design | Youngsville, LA** Engineer Intern. Performed design, bidding, and construction management for the rehabilitation of Détente Road.

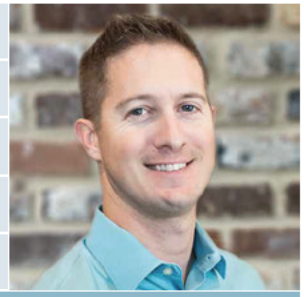
ROYAL

NAME: Beau Tate, P.E.	**TITLE:** Senior Engineer	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 17		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 10	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 1998 / Environmental Engineering, Minor- Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 30990 / LA / 3-31-2026	**YEAR REGISTERED:** 2004	**DISCIPLINE:** Civil	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Supervisor-Eng (MPR 3) / QA/QC Lead			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
27 Years of Experience	Mr. Tate is a Senior Engineer with a long career in infrastructure design. Mr. Tate has been the Engineer of Record on numerous projects involving asphalt and concrete road design, bridges and canal crossings, low water crossings, sidewalks, flood control structures, commercial and residential site design, foundation design, and retaining walls.
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Supervisor-Eng. Served as QA/QC Lead for the design of a replacement an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. The proposed structure will tie-in to the existing concrete lined Suburban Canal.
08/15 – 05/22 *Featured Project*	**Magistrate Street at Corrine Canal | St. Bernard Parish, LA** Engineer of Record. The Magistrate Street at Corrine Canal Bridge consisted of a Hazard Mitigation project to replace the preexisting two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide, 72'-0" long clear span, precast concrete structure. Responsible for hydraulic analysis, site layout and grading, foundation design, wingwall design, and coordinating development of plans. During construction, responsibilities included submittal reviews (pile loads and con-span wingwall), engineering design for repairs, restorations and/or replacement of bridge to its Pre-Katrina condition while preserving the historical value and original intent.
08/15 – 02/20 *Featured Project*	**Gallo Drive Bridge at Arpent Canal | St. Bernard Parish, LA** Engineer of Record. Responsible for the design for this project, which replaced the Gallo Drive at 20 Arpent Canal Bridge in St. Bernard Parish. The Gallo Drive Bridge scope included a full replacement of the existing two (2) – 60" concrete pipe culverts with a 26'-0" wide clear span, precast concrete structure.
04/19 - 05/24 *Featured Project*	**East Hardy Bridge Design and Replacement | Hattiesburg, MS** Engineer. Provided oversight for bridge and roadway design efforts including layout, specifications and probable cost. The existing East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Hattiesburg, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund.

11/20 – 06/24	**Indian Creek Low Water Crossing and Road Repairs | Fort Polk, LA** Senior Engineer. Oversight of design of gravel roadways and repairs and hydraulic analysis of low water crossing for a Design-Build project for the U.S. Army Corps of Engineers (USACE) located near Fort Polk, LA. The project restored and widened approximately 2.4 miles of the existing Sagebrush Road and will include construction of a 1.2 mile new roadway and low water crossing structure to provide connectivity across Indian Creek. Project features included an aggregate roadway and road base, open ditch drainage, reinforced concrete culvert crossing, reinforced concrete low water crossing structure, object markers and signage, and gates.
02/15 - 09/23	**Missouri Street at Corinne Canal | St. Bernard Parish, LA** Engineer of Record. Led design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Missouri at Corrine Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span, precast concrete structure.
02/15 - 11/16	**Paul Drive at 20 Arpent Canal | St. Bernard Parish, LA** Engineer. Supported design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Paul Drive at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing three (3) – 72" Concrete Pipe Culverts with a 28'-0" wide 64'- 0" long clear span, precast concrete structure.
02/15 - 02/20	**Mumphrey Road at 20 Arpent Canal | St. Bernard Parish, LA** Engineer of Record. Led design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Mumphrey Rd at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing two (2) – 60" Concrete Pipe Culverts with a 26'-0" wide 72 clear span, precast concrete structure.
04/14 – 05/15	**Vie Terre Beau Bridge Repair | Acadia Parish, LA** Engineer of Record. Royal performed damage assessments and provided engineering design, surveying, bidding, and construction phase services to restore the Vie Terre Beau Bridge at Bayou Nezpique.

ROYAL

NAME: Billy Fontenot, P.E.	**TITLE:** Senior Engineer	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 3		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 10	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2012 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 41036 / LA / 3-31-2025	**YEAR REGISTERED:** 2016	**DISCIPLINE:** Civil	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer / Engineering Design			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
13 Years of Experience	Mr. Fontenot has 13 years of experience in civil/structural engineering, construction consulting, and structural inspection/repair. He performed on-site structural deficiency inspections for statewide projects and engineered safe, economic approaches to specific construction problems related to various heavy construction projects. **CERTIFICATIONS:** ATSSA Traffic Control Supervisor, ATSSA Traffic Control Technician, Certified Flagger
05/23 - Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Engineer. Responsible for overseeing the structural component of the design of box culverts, headwalls, and wingwalls to replace the existing slab span bridge in support of engineering design plans to replace an existing slab span bridge. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.
11/22 – Ongoing	**East Bank Sediment Transport Corridor Road Reconstruction and Canal Crossings | Plaquemines and St. Bernard Parish** Engineer. Responsible for design of sheet pile bulk heads, bank stability of canal crossings, structural design of pipe culverts crossing below a major highway, and general QA/QC of final design drawing package.
06/12 – 07/18 *Previous Employer*	**I-10 Lake Pontchartrain Bridge Deck Patching and Girder Painting | New Orleans, LA** Engineer Intern. Performed field inspection, created assessment reports, used as-built plans and CAD software to design traffic control detour paths, refined rehabilitation plans for final submittal, and planned inspection/quantification.
06/12 – 07/16 *Previous Employer*	**Yscloskey Vertical Lift Bridge Painting | St. Bernard Parish, LA** Engineer Intern. Designed paint containment/geometric site layout support system, detailed phasing plans, site survey/layout using total station/automatic level, and roadway/water-fairing traffic coordination to optimize productivity.
06/12 – 07/17 *Previous Employer*	**In-Depth Bridge Inspection of Complex Structures | St. Landry Parish, LA** Engineer Intern. Performed inspection of deck and super/substructure of approach spans on Krotz Springs Bridge, coordinated inspector meetings and equipment rentals, staffed personnel, and provided assessment reports.
06/12 – 07/17 *Previous Employer*	**Inner Harbor Canal Bridge Rehabilitation | DOTD Contract H.003182 | Algiers, LA** Engineer Intern. Designed traffic control and signage within DOTD standards, assisted quantity checks, used as-builtplans and CAD software to design traffic control detour paths, and refined rehabilitation plans for final submittal.

ROYAL

NAME: Alec Carter O'Brien, P.E.	**TITLE:** Project Engineer	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 5		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 10	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2013 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 43647 / LA / 3-31-2026	**YEAR REGISTERED:** 2019	**DISCIPLINE:** Civil	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer / Constructability Reviews			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
15 Years of Experience	Mr. O'Brien is a licensed Engineer with 15 years of heavy civil, roadway, drainage, and bridge construction management experience. Mr. O'Brien routinely performs as needed Constructability Reviews for Engineering Design projects on behalf of Royal's design team. Mr. O'Brien has led, from Project Kickoff to Closeout, dozens of CE&I and Construction Management projects for DOTD, FEMA, the Port of New Orleans, and various municipalities. He has extensively worked in structural concrete, asphalt paving, PCCP, catch basins, drainage, bridge, and sidewalk projects. **CERTIFICATIONS:** ATSSA Traffic Control Supervisor, ATSSA Traffic Control Technician, and Certified Flagger
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Engineer. Serves on the QA/QC team responsible for Constructability Reviews for the replacement of an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. The proposed structure will tie-in to the existing concrete lined Suburban Canal.
06/23 – Ongoing	**Lafayette Parish Non-State Pavement Markings (CE&I) | DOTD Contract H.015018.5 (Entity)** Engineer. Provides CE&I services for the construction and restriping of 14 miles of roadway along Cajundome Blvd., East Pinhook Rd./Teurlings Ave., Kaliste Saloom Rd., Mudd Ave., and Gendarme Rd. Responsible for CE&I deliverables, including management of inspectors, compliance with plans and specifications, QA/QC, reporting and document control, RFIs, change order requests, and as-builts.
05/24 – Ongoing	**Crescent City Connection Decorative Lighting Project (CE&I) | DOTD Contract H.015504.6** Engineer. Responsible for all CE&I deliverables for a new, LED, decorative lighting system for the Crescent City Connection bridge at a cost of $20.7million. Hurricane Ida surged the electrical system resulting in an installation that features lights on the trusses and illuminating the piers.
06/23 – Ongoing	**US 90Z Harvey Canal Tunnel Rehabilitation (CE&I) | DOTD Contract H.010673** Engineer. Responsible for CE&I deliverables for the rehabilitation of the Harvey Canal Tunnel and its approaches along US 90Z in Jefferson Parish. The approximately $50million rehabilitation includes new tile lining, drainage pumps, pavement, structural, electrical and ventilation systems. Manages inspectors, performs QA/QC of field reports, and maintains project schedule.

ROYAL

NAME: Cassidy Melancon, E.I.	**TITLE:** Engineer Intern	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 3		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 0	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2020 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 34626 / LA / 3-31-2025	**YEAR REGISTERED:** 2020	**DISCIPLINE:** N/A	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer Intern / Engineering Design			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
3 Years of Experience	Ms. Melancon is an Engineer Intern with 3 years of experience in the industry which includes assisting engineering design and project management services. Her responsibilities in engineering range from various design tasks regarding drainage, roadway, and structural analyses to drafting and maintaining project files. Her project management assistance has included tasks such as reviewing inspector observations, design plans and quantities. Ms. Melancon's accomplishments include the structural design of box culverts and retaining walls.
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Engineer Intern. Responsible for supporting engineering design plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.
04/22 – 12/24	**East Bank Sediment Transport Corridor Road Reconstruction and Canal Crossings | Plaquemines and St. Bernard Parish** Engineer Intern. Responsible for supporting 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.
09/22 – 09/23	**Ashland and Detiveaux Road Repairs | South Louisiana Electric Cooperative Association (SLECA)** Engineer Intern. Provided engineering design calculations and permitting support for two roadways providing access to SLECA's electrical distribution infrastructure in Houma, LA: Detiveaux Rd., a 1.5 mile long aggregate roadway providing access to the Bayou Dularge Main Feed, and Ashland Rd., a 2.3 mile long aggregate roadway providing access to the Ashland Substation. For the Ashland Road section, responsible for plan development, creating a topographic survey surface using point elevation data, and performing a Hydrologic Modification Impact Analysis (HMIA) to support the Coastal Use Permit process.

ROYAL

NAME: DeWain Butler	**TITLE:** Lead Drafter	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 3		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 17	
DEGREE(S) / YEARS / SPECIALIZATION: N/A / N/A / N/A			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A / N/A / N/A	**YEAR REGISTERED:** N/A	**DISCIPLINE:** N/A	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: CADD Drafter / CADD Plan Drawings			

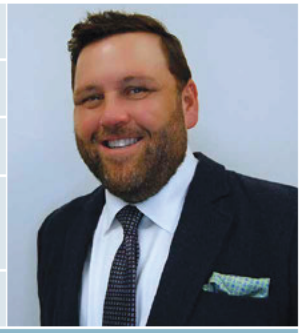
EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
20 Years of Experience	Mr. Butler has 20 years of experience drafting plans and specifications for Architecture and Engineering Design projects. Mr. Butler has technical capabilites in AutoCad Civil 3d and Revit design softwares.
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** CADD Drafter. Responsible for supporting engineering design plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.
11/22 – 06/24	**Indian Creek Low Water Crossing and Road Repairs | Fort Polk, LA** CADD Drafter. Responsible for supporting design of plans and specifications for the design of gravel roadways and hydraulic analysis of low water crossing for a Design-Build project for the U.S. Army Corps of Engineers (USACE) located near Fort Polk, LA. The project restored and widened approximately 2.4 miles of the existing Sagebrush Road, built a 1.2 mile new roadway, and designed a Low Water Crossing (LWC) structure to provide connectivity across Indian Creek.
08/22-01/23	**Visitor Control Center and Commercial Inspection Facilities | Naval Air Station Joint Reserve Base Belle Chasse, LA** Drafter/Designer. Responsibilities included create drawings for a 30/50% submittal on a design-build project. Deliverables included a construction set of drawings/plans using all required UFC codes for a new visitor control center building, commercial vehicle facility, 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.
Prior to 2022 *Previous Employer*	**Various Clients for Former Employer | Various locations in South Louisiana** AutoCAD Drafter/Designer. Created CAD files and project files for projects that included deliverables such as 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.

ROYAL

NAME: Caitlin Vines	**TITLE:** Environmental Scientist	**FIRM EMPLOYED BY:** Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 3		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 7	
DEGREE(S) / YEARS / SPECIALIZATION: MS / 2017 / Forestry | BS / 2014 / Natural Resource Ecology and Management			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A / N/A / N/A	**YEAR REGISTERED:** N/A	**DISCIPLINE:** N/A	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Environmental Pro / NEPA Compliance			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("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	Ms. Vines is an Environmental Scientist providing consulting, permitting, and subject matter expertise in environmental compliance matters that present in infrastructure projects. Ms. Vines is knowledgeable in the regulatory framework of the National Environmental Policy Act (NEPA). Ms. Vines provides in-depth desktop review of natural resources and applies for necessary project permits and/or collaboratively drafts environmental assessments as needed. She is well versed in both state and federal regulatory frameworks applicable to project locations, including NEPA, the Coastal Zone Management Act, the Endangered Species Act, the Magnuson-Stevens Act, the National Historic Preservation Act, the Marine Mammal Protection Act, the Bald and Golden Eagle Protection Act, and others. **CERTIFICATIONS:** Wetland Delineation Certification
05/23 – Ongoing *Featured Project*	**West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) | DOTD: Contract H.015009** Environmental Pro. Responsible for research of project location and area features to assess environmental concerns. Prepared the OSBR Environmental NEPA Checklist. Prepared Solicitation of Views to send to federal and state agencies to provide notice required by NEPA of the proposed impact of the project.
05/22 – Ongoing	**Hurricanes Laura and Delta Disaster Recovery | JDEC** Environmental Scientist. Establishes NEPA compliance for an $800+ million electric transmission and infrastructure repair for a southwest Louisiana utility cooperative in its rebuild from Hurricanes Laura and Delta. Leads coordination with FEMA, GOHSEP, NOAA, USFWS, and USACE on an as-needed basis as individual project locations require. Obtains all federal/state/local permits/authorizations, anticipates regulatory requirements, and applies for necessary permits on the client's behalf. Responsible for supporting project managers in Programmatic Environmental Assessment (PEA) development and in coordinating all Environmental and Historic Preservation (EHP) compliance.
10/23 – Ongoing	**Atchafalaya Basin Master Plan Development | CPRA** Environmental Scientist. Serves as the Project Development Task Lead for the Atchafalaya Master Plan. Responsible for identifying and developing Future Without Action (FWOA) and Candidate projects, developing content for the public project solicitation survey, coordinating with team members on generating project attributes and assumptions.
09/18– 04/22 Prior Employer	**Coastal Restoration Program | CPRA** Scientist Supervisor. Trained a team of scientists led efforts to promulgate complex regulations and standards in collaboration with state and federal agencies. Coordinated environmental compliance for Deepwater Horizon Natural Resource Damage Assessment (NRDA) coastal restoration projects throughout Louisiana.

ROYAL

NAME: Wesley Eustis, P.E., P.L.S.	**TITLE:** Principal	**FIRM EMPLOYED BY:** Basin LLC	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 4		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 17	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2004 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: P.L.S. 05225 / LA / 3-31-2026; P.E. 35537 / LA / 9-30-2026	**YEAR REGISTERED:** P.L.S. 2019; P.E. 2010	**DISCIPLINE:** P.L.S. N/A; P.E. Civil	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Surveyor (MPR 4) / Survey			

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
21 Years of Experience	Mr. Eustis has 21 years of experience in Civil and Structural Engineering Design. Mr. Eustis also has 6 years of experience as a registered Professional Land Surveyor. He manages all aspects of Professional Land Surveying Services, including ALTA, Boundary, Topographic, and Hydrographic Surveys.
04/23 - 07/23	**Jefferson Parish Waterline Project | Jefferson Parish Government** Surveyor. Performed survey for subsurface engineering design project that surveyed North Causeway Blvd. (from Veterans Memorial Blvd. to 14th St.; 31st St. (from Phoenix to Duncan); and portions of 26th St., 27th St., Ridgelake Dr., Veterans Memorial Blvd., and Metairie Lawn Dr.
06/23 - 09/23	**Causeway Blvd. Survey | Jefferson Parish Government** Surveyor. Performed survey of North Causeway Blvd. between the Airline Highway Overpass and West Napoleon Ave.
01/21 - 06/21	**Bonnabel Blvd. Survey | Jefferson Parish Government** Surveyor. Performed survey of Bonnabel Blvd. between the Metairie Rd. and Interstate 10.
10/20 - 01/21	**Canal St. Survey | Jefferson Parish Government** Surveyor. Performed survey of Canal St. between Intersate 10 and Lake Ave.
09/17 - 10/17	**Veterans Canal and Medians | Jefferson Parish Government** Surveyor. Performed survey of canals and medians along Veterans Blvd.

ROYAL

NAME: Colby Guidry, PE	**TITLE:** Vice President and Lead Engineer	**FIRM EMPLOYED BY:** Huval and Associates, Inc.
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 17		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 7
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2000 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: PE 31338 / LA / 9-30-2026	**YEAR REGISTERED:** 2004	**DISCIPLINE:** Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer / Structural Subject Matter Expert		

HUVAL & ASSOCIATES, INC. Consulting Engineers

EXPERIENCE DATES *(mm/yy – mm/yy)*	**EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT** *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
24 Years of Experience	Certifications include Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures and Fracture Critical Inspection Techniques for Steel Bridges.
01/08 - Present	**Public and Private Bridge Load Ratings – Statewide –** Lead Rating Engineer for bridges all across the state on a continual basis. Numerous load ratings performed weekly for a host of clients including parishes, cities, oil field companies, and other clients. The ratings include bridge types such as timber, steel, concrete, movable, fixed, pontoons, and trusses.
01/23 – Present	**Stuller Bridge – Private Bridge – St. Martin Parish –** Design and Construction Manager for the design, load rating, plan development, and Construction Management of a multi-span Quad beam bridge for a private owner. The bridge design and construction involves concrete piles, concrete caps, prestressed concrete beams, concrete barrier rails, steel sheet piles, and other miscellaneous work.
01/19 – 02/24	**Herman Dupuis Swing Span Bridge (Movable) – St. Martin Parish –** Project Manager for the design, load rating, plan development, and Construction Oversight of a new swing span bridge over alligator bayou which will replace the Butte LaRose Pontoon bridge. Design elements include all aspects of the bridge including environmental clearance, surveying, structural design, mechanical design, electrical design, hydraulic design, roadway design, and all other design elements. Rating of the various bridge components was also performed. Construction support and oversight were provided throughout construction.
10/10 – 01/22	**Butte LaRose Pontoon Repairs (Movable) – St. Martin Parish –** Lead Engineer for the design, Load Rating, and Construction Management of numerous repairs to the movable pontoon bridge over alligator bayou. Repairs included deck repairs, stringer repairs, cap repairs, pontoon barge repairs, machinery repairs, pile repairs, abutment repairs.
4/18 – 4/23	**Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400011225 -** Supervisor Engineer of $4M Retainer Contract. Responsible for project management, coordination, project setup, QA/QC, Load Ratings and bridge rehab design.
12/20 – 06/21	**Ascension Parish 26 Bridge Ratings –** Inspected, gathered documentation, rated, and provided repair plans, as well as assisted in construction rehab reviews for 26 Ascension Parish bridges. Complex analysis rating analysis allowed the bridges to remain open while repairs were planned.
09/12 – 12/17	**Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, Contract No. 4400002537-** Supervising Engineer of Retainer Contract. Responsible for coordination, inspections, project setup, QA/QC, Load Ratings, and bridge rehab design for the $6M retainer contract.

ROYAL

05/11 – 08/15	**Retainer for Engineering Services for Bridge Preventive Maintenance (BRPM) - Statewide, Contract No. 440001543 -** Lead Engineer of Retainer Contract. Led the Inspection and Design for 8 different Task Orders covering Preventive Maintenance Repairs for over 100 Bridges statewide in short timeframes.
08/09 – 06/15	**Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, S.P. 700-99-0488** - Lead Engineer of Retainer Contract. Responsible for coordination, inspection team leader, project setup, bridge design, and QA/QC of Task Orders totaling approximately $8.75M over a 5-year period. Contract utilized multiple Subconsultants on all aspects of bridge design and inspection.
01/13 - 11/15	**Tappan Zee Bridge, NY Thruway Authority (Construction Support)–** Project Manager/design engineer for design of precast tower and anchor pier slabs, pile templates, work platforms, and other systems. Also assisted in the design of temporary fender systems designed to protect the construction area from ice, wave, and ship impacts.
01/11 - 08/14	**St. Ann Bridge Over Bayou Terrebonne (Movable) Swing Span – S.P. 700-55-0107 –** Lead structural designer for a new Swing span bridge over bayou Terrebonne. Also assisted with Mechanical reviews throughout the design process. Colby was involved with every aspect of this movable bridge project from environmental clearance through construction. This swing span had unique issues to overcome due to the limited vertical space due to waterway and adjacent road obstructions. Also performed Construction Oversight for LADOTD during the entire construction process.

ROYAL

NAME: Reid Romero, P.E.	**TITLE:** Civil Engineer	**FIRM EMPLOYED BY:** Huval and Associates, Inc.
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 15		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 0
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2000 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: PE 37772 / LA / 9-30-2025	**YEAR REGISTERED:** 2013	**DISCIPLINE:** Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Bridge Design, Project Management		

HUVAL & ASSOCIATES, INC. Consulting Engineers

EXPERIENCE DATES *(mm/yy – mm/yy)*	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
5/20 – Present	**Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400017262 -** Lead Engineer of Retainer Contract. Responsible for coordination, project setup, QA/QC, and bridge design for the $5M retainer.
03/23 – Present	**Jimmie Davis Bridge (LA 511), S.P. No. H.001779 –** Bridge task lead for the Design Build project to construct the new four lane bridge across the Red River in Bossier / Caddo Parish. The project includes the reconstruction of nearly two miles of LA 511 into a modern, four lane median divided highway. The project encompasses the creation of full access interchange connections at two key junctions: Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. These interchanges will seamlessly integrate with upgraded LA 511. The initiative also includes the transformation of the existing Jimmie Davis Bridge into a Linear Park. The repurposed structure will be a vibrant public space, featuring new multi-use paths for pedestrians and cyclists.
4/18 – 5/23	**Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400011225 -** Lead Engineer of Retainer Contract. Responsible for coordination, project setup, QA/QC, and bridge rehab design for the $4M retainer.
12/19 – 01/23	**New Swing Span- Herman Dupuis RD. Pontoon BR. Replacement, St. Martin, LA, Bridge Recall 200896–** Lead structural engineer for the bridge design and plan development of a new swing span bridge over alligator bayou which replaced the Butte LaRose Pontoon bridge. Designed, detailed, and sealed final plans, specifications, calculations, load rating and cost estimates for all structural elements.
03/19 – 06/22	**I-220/I-20 Interchange Imp & BAFB Access Design Build Project – S.P. No. H.003370 –** Responsible for QA of the bridge plans and load rating for the LA 1267 bridges over I-20 and the LA 1267 bridges over the KCS Railroad. The LA 1267 structures over I-20 consist of twin bridges utilizing LG-54 p.p.c. girder spans supported by concrete column bents and drilled shafts. The LA 1267 structures over KCS Railroad consist of twin bridges utilizing LG-54 p.p.c. girder approach spans supported by concrete pile bents and a main span over the KCS Railroad consisting of 170'-0", LG-78 p.p.c. girders supported by concrete column bents and drilled shafts. Some unique challenges that the project has presented is designing applicable LA 1267 bridges over I-20 column bents for vehicular collision and completely spanning the KCS own right-of-way utilizing concrete p.p.c. girders.

7/17 – 8/20	**I-10: Highland Road to LA 73, Design Build Project, East Baton Rouge & Ascension Parish, S.P. No. H.009250 -** Led the design, plan preparation, and load rating for the repair of the prestressed girder bridge on LA 928. Performed QA/QC of the LRFD design calculations and load rating for the steel girder bridge at Highland road and the slab span widening at Bayou Manchac. The existing I-10 mainline bridge at the Highland Road interchange needed to be reconstructed under the project to provide longer spans in addition to more lanes. An innovative sequence of construction scheme and bridge design enabled construction of this bridge while maintaining 74,000 ADT traffic. Huval's cost-effective designs enabled its design-build team to be the only competitor to fit within the Owner's budget of $72 million.
01/19 – 05/19	**I-10 Loyola Design-Build Project RFP Phase 30% Design - S.P. H.011670–** Lead bridge engineer throughout the RFP design phase for this complex urban interchange. Assisted in the preparation of steel tub girder design and details, concrete box girder design and plans, as well as plans and proposal documents for the RFP phase of the project. Created dozens of computer models in order to analyze and size the steel tub girders, taking into account system redundancy. Assisted in development of alternative technical concepts, suggested sequence of construction, and miscellaneous bridge and other details. Assisted in the coordination and organization of all project data with the various members of the design team from numerous consulting firms.
11/17 – 07/18	**Surrey St. Bridge Repairs, Lafayette Parish –** Lead Engineer for the repair of the Surrey St. Bridge in Lafayette. Project consisted of bearing repair and replacement, concrete riser construction, deck overlay, joint repairs, painting of steel girders with full enclosure, and miscellaneous work.
12/09 – 01/13	**St. Ann Swing Span Bridge, S.P. 700-55-0107 & S.P. H.005029.5–** Assisted in plan preparation and performed designed calculations on this swing span bridge. Performed moment balance calculations, design of pedestrian walkway, counterweight design calculations, traffic barrier design calculations, light pole foundation design calculations, quantity calculations, design checks of stringer and main girders, and plan review and markups. Provided construction services on an as-needed basis.
12/11 – 01/13	**Seabrook, Port of New Oreleans Req. No. 077704 –** Performed span balancing calculations of the bascule bridge throughout the different construction phases. Designed temporary support brackets to elevate existing ballast beams to allow for painting of the bottom chord. Provided additional construction services on an as-needed basis.
01/12 – 11/13	**I-49 North Segment J (MLK Blvd. to LA 1), S.P. H.003496.5–** Performed LRFD design calculations and led plan preparation on two prestressed girder and steel girder bridges. Performed approach slab design, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, steel girder design check using MDX, deck and overhang reinforcing design check, strip seal joint opening calculations, quantity calculations and QA/QC, and elevation calculations. Mr. Romero also provided load rating of the completed structure.
03/09 – 11/10	**I-49 North (LA 1 – LA 173), S.P. 701-65-1230 & S.P. 701-65-1349–** Assisted in plan preparation and performed LRFD design calculations on a Type BT Prestressed Girder Bridge and a Type IV Prestressed Girder Bridge. Performed fixed and expansion bearing pad design, deck and overhang reinforcing design, quantity calculations and QA/QC, strip seal joint opening calculations, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, and elevation checks.

ROYAL

NAME: Brian Fortson	**TITLE:** Senior Project Manager/Biologist	**FIRM EMPLOYED BY:** ELOS Environmental, L.L.C.
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 11		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 23
DEGREE(S) / YEARS / SPECIALIZATION: JD / 2006 / Civil Law | BS / 1995 / Wetland Ecology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A	**YEAR REGISTERED:** N/A	**DISCIPLINE:** N/A

CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Environmental Manager (MPR 5) / Environmental Compliance and Wetlands Delineation

EXPERIENCE DATES *(mm/yy – mm/yy)*	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
34 Years of Experience	**EBR Off System Bridge Program** Mr. Fortson has coordinated with the environmental scientists to review the wetland delineation reports and assist with USACE permit applications for 13 bridge replacements.
09/20 - Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a T&E survey. Mr. Fortson has reviewed wetland delineation reports and categorial exclusion documentation, discussed findings and reviewed data for final reports, and met with staff internally to develop threatened and endangered species surveys.
09/22 - Ongoing	**DOTD IIJA Off-System Bridges District 62** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Fortson has reviewed the findings reports prior to client submission.
10/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Fortson assisted with the report drafts and permit applications.
05/21 – 05/22	**STP Chris Kennedy RD Bridge Replacement** ELOS was contracted to provide professional environmental engineering services to collect data to further prepare reports for wetland delineation, biological assessment and cultural impact in accordance with the removal and replacement plans. Mr. Fortson coordinated with internal teams to review reports, correlative maps, and environmental data to complete the approved contract.

03/22 – 12/23	**STP Lock No. 2 Bridge Replacement** Mr. Fortson assisted with internal teams to provide Cultural resource services for the Lock No. 2 Bridge replacement located on approximately 4.83-acres in St. Tammany Parish. ELOS was contracted to provide Section 106 of NHPA, Terrestrial Phase I Culture Resource Survey and Cultural Resource Assessment No Findings report.
11/17 - Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Fortson leads multi-disciplinary teams of environmental specialists, engineers, and consultants to achieve project objectives efficiently and effectively through the complexities of environmental compliance, ensuring that infrastructure development meets regulatory standards while minimizing environmental impacts and maximizing community benefits.
02/23 - Ongoing	**LADOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Fortson monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with overall project schedules.
01/21 - Ongoing	**LA 22 Gapping; Ascension Parish, LA** ELOS is contracted to perform a wetland delineation, complete a joint permit application, complete a biological survey, monitor for bald and golden eagle protection, complete a Phase I ESA, complete a Section 106 review and report, and assist with wetland mitigation planning. Mr. Fortson has served as the project manager to assist in determining the potential jurisdictional wetlands and other waters, preparing and submitting permit applications, and reviewing the desktop Section 106 review. He will also oversee the Phase I ESA and wetland mitigation planning.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre site to extend Judge Dufresne Parkway to include several adjacent, privately owned parcels. Mr. Fortson oversaw the environmental consulting project for the parkway extension, ensuring that environmental considerations were integrated into all project phases, regulatory requirements were met, and the project was completed successfully while minimizing environmental impacts. He implemented quality assurance and control measures to ensure that deliverables meet established standards and client expectations. Mr. Fortson maintained accurate project documentation, including reports, permits, correspondence, and regulatory filings.
08/17 - 11/19	**I-10 Highland to LA 73 Design-Build; East Baton Rouge Parish to Ascension Parish, LA** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville. Mr. Fortson provided senior-level environmental project management for the project, overseeing complex environmental aspects of transportation infrastructure initiatives. He assisted in the development of a comprehensive environmental management strategy, wrote and assisted with amending the SWPPP as the project progressed, and assisted in preparing and reviewing the permit applications.

ROYAL

NAME: Cory Ricks	**TITLE:** Environmental Professional	**FIRM EMPLOYED BY:** ELOS Environmental, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 7		**YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s):** 1	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2015 / Biology			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A	**YEAR REGISTERED:** N/A	**DISCIPLINE:** N/A	

CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Environmental Pro / Environmental Compliance and Wetlands Delineation

EXPERIENCE DATES *(mm/yy – mm/yy)*	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT *("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))*
8 Years of Experience	**LADOTD Rural Bridges Phases I & II; Statewide, LA** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase 1 involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a threatened and endangered species survey. Mr. Ricks has coordinated field crews, performed wetland delineations, written and produced reports, developed timelines, coordinated with LADOTD, and assisted with the surveys.
06/22 - 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Ricks worked on the emergency authorization application since the bridge was the only way to access a neighborhood, assisted with the Scenic Rivers permit application, and provided project updates to St. Tammany Parish.
04/22 - 02/24	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Ricks conducted a gopher turtle survey, wrote the findings report, completed permit applications with supporting documentation, and assisted with agency coordination.
11/17 - Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Ricks leads a team of field members to perform the wetland delineations. He has also assisted with cultural resources field investigations and with permit applications to state and federal agencies (USACE, LEDNR, DOTD).
05/21	**Tammany Trace Bridge Replacement; St. Tammany Parish, LA** Mr. Ricks performed the wetland delineation, entered the wetforms, revised transmittals, reviewed the photographs/logs, coordinated with the GIS team to update maps, and submitted the wetland findings report.

05/22 - 03/24	**North Brickyard Road Bridge Replacement Program** Mr. Ricks initiated the Solicitation of Views (SPVs), Categorical Exclusion (CE) documents, and reviewed all supporting documentation as it was sent and received from the agencies. He also assisted with permit applications and agency coordination when asked for additional information.
02/23 - Ongoing	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Mr. Ricks has researched additional information for reports, worked on files related to the CATEX, and assisted with reviewing agency requests for more information.
07/21 - 08/22	**LA Trace Road Widening; Ascension Parish, LA** ELOS was contracted to complete a wetland delineation report and prepare and submit road widening and culvert replacement joint application permits to the USACE and LDENR. Mr. Ricks worked with the team on the wetland delineation and reviewed the final figures and reports, prepared the joint application permits, met with the landowner for right-of-way, provided follow-up information and permit revisions to USACE and LDENR, and reviewed project invoicing.
09/16 - 06/20	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs so that ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Mr. Ricks performed the wetland delineation for all three routes and provided a report of the findings. Mr. Ricks also assisted in GIS mapping of the Wetlands Findings Report, Phase I Environmental Site Assessment, and the Biological Assessment Survey. Mr. Ricks also provided a report of the threatened and endangered species known in the project area. Mr. Ricks led efforts on providing stream and waterbody data for each report.
08/17 - 11/19	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville (H.009250). The project included widening an approximately 6-mile segment of I-10 and expanding two bridges/overpasses. Mr. Ricks worked on documentation for the CATEX, wrote and revised several permits to state and federal agencies, and coordinated field crews for completing stormwater inspections and monitoring construction activities for environmental impacts and compliance.

17. FIRM EXPERIENCE

Identify the team's project experience most relevant to the scope in the advertisement. ***The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.*** *Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects. Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) * If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.* *****This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.*** ***Please copy these disciplines exactly as they are listed above. ***

FIRM NAME: Royal Engineers and Consultants, L.L.C.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: West Metairie Avenue Over S. Suburban Canal	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: H.015009	**OWNER'S NAME:** DOTD
PROJECT LOCATION: Jefferson Parish, Louisiana	**OWNER'S PROJECT MANAGER:** Barbara Ostuno, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: P.O. Box 94245, Baton Rouge, LA 70804 | (225) 379-1047 | Barbara.ostuno@la.gov	
SERVICES COMMENCED BY THIS FIRM: 05/23	**TOTAL CONSULTANT CONTRACT COST:** $93
SERVICES COMPLETED BY THIS FIRM: Ongoing	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $70

Royal is providing Engineering and Related Services to develop plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. Royal is managing all aspects of design and client relations, overseeing plan production in accordance with the OSBR 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. Royal's scope includes preliminary plan production and environmental services, including solicitation of views, categorical exclusion clearance, wetland studies, and other information needed for the Environmental Clearance process. Royal oversaw surveying services for the project, with survey deliverables provided in accordance with the OSBR Program Guidelines and the LADOTD Location and Survey Manual. The existing slab span bridge is proposed to be replaced by two (2) 12 ft x 12 ft reinforced box culverts. Royal has completed all of preliminary design and is awaiting Environmental Clearance to begin the Final Plans phase.

KEY PERSONNEL: Michael Pugh, Beau Tate, Katherine Foreman, Alec Carter O'Brien, Billy Fontenot, Cassidy Melancon, Caitlin Vines, DeWain Butler

ROYAL

FIRM NAME: Royal Engineers and Consultants, L.L.C.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: Magistrate Street at Corinne Canal	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: 2014 - 24 - 00	**OWNER'S NAME:** St. Bernard Parish Government
PROJECT LOCATION: St. Bernard Parish, Louisiana	**OWNER'S PROJECT MANAGER:** Donald R. Bourgeois, Jr.
OWNER'S ADDRESS, PHONE, EMAIL: 51125 East St. Bernard Highway, Chalmette, LA 70043 | (504) 278-4313 | dbourgeois@sbpg.net	
SERVICES COMMENCED BY THIS FIRM: 08/15	**TOTAL CONSULTANT CONTRACT COST:** $550 (programmatic)
SERVICES COMPLETED BY THIS FIRM: 05/22	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $540 (programmatic)

The project consisted of engineering and construction administration services for the replacement of Magistrate Street Bridge over the Corinne Canal. This bridge design was apart of St. Bernard's investment in bringing their roadways, bridges, culverts or other canal crossing structures, and all associated infrastructure to meet current codes and standards. The Magistrate Street Bridge also included taking Hazard Mitigation measures for structures prone to repeated damages caused by high velocity flood waters, sediment and debris delivered by storm surges during hurricanes. The project includes a full replacement of the existing two (2) – 96" corrugated metal pipe culverts with a 26'-0" wide clear span, precast concrete structure. Royal performed an existing conditions analysis, identified significant damages to pipe ends and breakage. Due to the extent of the damages, the project was eligible for replacement by the Federal Emergency Maagement Agency (FEMA). Royal conducted a cost analysis that ultimately justified the ConSpan Hazard Mitigation to replace it at a lower-cost. Engineering services and deliverables include civil engineering, detailed design plans, surveying, full hydraulic analysis, geotechnical, field layout, bidding, construction administration and management, resident inspection, close-out, comprehensive cost estimate, CPM schedule, contract document and bid package production, demolition/removal, replacing with precast concrete clear span con-span, driven timber piles, structural concrete grade beams, storm drainage, roadway/waterline/sanitary sewer replacement, canal cleaning/shaping, riprap with flowable fill, ADA ramps, sidewalks and incidental PCC pavement. Royal designed the interior height to provide the cross-sectional area required for the drainage and engineered the roadway grades to raise while simultaneously not exceeding the maximum longitudinal slope required. Royal also designed vertical curves into the changes in the profile of the roadway to provide a seamless transition from the new to pre-existing roadway grade.

KEY PERSONNEL: Michael Pugh, Beau Tate, Katherine Foreman, Alec Carter O'Brien

ROYAL

FIRM NAME: Royal Engineers and Consultants, L.L.C.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: Gallo Drive Bridge at 20 Arpent Canal	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: 2014 - 24 - 00	**OWNER'S NAME:** St. Bernard Parish Government
PROJECT LOCATION: St. Bernard Parish, Louisiana	**OWNER'S PROJECT MANAGER:** Donald R. Bourgeois, Jr.
OWNER'S ADDRESS, PHONE, EMAIL: 51125 East St. Bernard Highway, Chalmette, LA 70043 | (504)-278-4313 | dbourgeois@sbpg.net	
SERVICES COMMENCED BY THIS FIRM: 08/15	**TOTAL CONSULTANT CONTRACT COST:** $550 (programmatic)
SERVICES COMPLETED BY THIS FIRM: 02/20	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $540 (programmatic)

The project consisted of engineering and construction administration services for the replacement of Gallo Drive Bridge, as part of the Parish's investment in bringing their roadways, bridges, culverts or other canal crossing structures up to current codes and standards and providing Hazard Mitigation measures for structures prone to repeated damages caused by high velocity flood waters, sediment and debris delivered by storm surges during hurricanes. The project included a full replacement of the existing two (2) – 60" concrete pipe culverts with a 26'-0" wide clear span, precast concrete structure. We performed an existing conditions analysis, identified significant damages to pipe ends and breakage. We conducted a cost analysis that ultimately justified ConSpan Hazard Mitigation to replace it at a lower cost. Engineering services and deliverables include civil engineering, detailed design plans, surveying, full hydraulic analysis, geotechnical, field layout, bidding, construction administration and management, resident inspection, close-out, comprehensive cost estimate, CPM schedule, contract document and bid package production, demolition/removal, replacing with precast concrete clear span con-span, driven timber piles, structural concrete grade beams, storm drainage, roadway/waterline/sanitary sewer replacement, canal cleaning/shaping, riprap with flowable fill, ADA ramps, sidewalks and incidental PCC pavement. Royal designed the interior height to provide the cross-sectional area required for the drainage and engineered the roadway grades to raise while simultaneously not exceeding the maximum longitudinal slope required. Royal also designed vertical curves into the changes in the profile of the roadway to provide a seamless transition from the new to pre-existing roadway grade. Bid and construction phase services included assistance with bid advertisement, conducting pre-bid meeting and bid opening, populating bid tabulation, making award recommendation, preparing the owner/contractor draft agreement, assuring that the contractor produced and submitted all necessary insurance certificate, bond, and the schedule of values as per contract award.

KEY PERSONNEL: Michael Pugh, Beau Tate, Katherine Foreman, Alec Carter O'Brien

ROYAL

FIRM NAME: Royal Engineers and Consultants, L.L.C.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S)):** CE&I/OV
PROJECT NAME: Plaza / Arpent Bridge	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: 2011 - 35 - 03	**OWNER'S NAME:** St. Bernard Parish Government
PROJECT LOCATION: St. Bernard Parish, Louisiana	**OWNER'S PROJECT MANAGER:** Donald R. Bourgeois, Jr.
OWNER'S ADDRESS, PHONE, EMAIL: 51125 East St. Bernard Highway, Chalmette, LA 70043 | (504)-278-4313 dbourgeois@sbpg.net	
SERVICES COMMENCED BY THIS FIRM: 02/12	**TOTAL CONSULTANT CONTRACT COST:** $125
SERVICES COMPLETED BY THIS FIRM: 04/15	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $125

Royal was hired by the St. Bernard Parish Government to provide engineering services for repairing, restoring, and/or replacing Parish-owned roadways and bridges to their Pre-Katrina condition, while preserving the historical value and intent of each facility. As part of this contract, Royal performed design and construction management services for the replacement of the Plaza /Arpent bridge. The existing culvert configuration was found to be inadequate to handle the increased flow of water during major rain events. The new bridge is 52 ft x 32 ft, and included removal and replacement of 400 sy of roadway pavement, 1250 ft concrete piles; and installation of 56 feet of concrete pipe, over 100 LF of guard rail, a handicap ramp, 5" rollover, 6" and 8" barrier concrete curb, and 190 LF of handrail.
Engineering Services included civil engineering, design, surveying, geotechnical, field layout, bidding, construction administration, resident inspection, technical/engineering project close-out, construction management services. Royal produced detailed design plans, comprehensive cost estimates, and CPM schedules to execute its engineering design services. Royal also supported the bid and contract phase including assistance with bid advertisements, conducting pre-bid meetings and bid openings, populating bid tabulations and making award recommendations, preparing the owner/contractor draft agreements, assuring SBPG that the contractors produced and submitted all necessary insurance certificates, bonds, and the schedule of values as per each contract award. Royal's engineering and CM responsibilities during the Construction phase consisted of all planning and coordination with the contractor, starting with a Preconstruction meeting with all project associated personnel, through project close-out.

KEY PERSONNEL: Michael Pugh, Beau Tate, Alec Carter O'Brien

ROYAL

FIRM NAME: Royal Engineers and Consultants, L.L.C.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: East Hardy Bridge Design & Replacement	**FIRM RESPONSIBILITY (PRIME OR SUB):** Subconsultant
PROJECT NUMBER: 2019-07	**OWNER'S NAME:** SDW Consulting Engineers
PROJECT LOCATION: Hattiesburg, Mississippi	**OWNER'S PROJECT MANAGER:** John Weeks
OWNER'S ADDRESS, PHONE, EMAIL: 301 2nd Avenue, Hattiesburg, MS 36401 | (601) 544-1821 | john@sd-w.com	
SERVICES COMMENCED BY THIS FIRM: 04/19	**TOTAL CONSULTANT CONTRACT COST:** $15M
SERVICES COMPLETED BY THIS FIRM: 05/24	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $764

The East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Petal, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund. The bridge was replaced with a two-lane bridge constructed adjacent to the existing structure. The existing bridge remained in service while construction of the new bridge is performed. Preliminary design services were initiated with review of site data available, which consisted of geotechnical investigation and engineering; topographic and boundary survey; existing bridge as-built plans; studies/analysis, environmental assessments, and conceptual road alignment plans pertaining to the project. Royal attended the pre-design conference to outline procedures and to discuss contract administration details, design criteria, and to open the floor for client comment and input. Basis of the engineering design was provided and included foundation type, geotechnical conditions, loading conditions, and span arrangements. Royal also provided a structural design basis and criteria document that compiled and summarized the structural design criteria to be used in the design of structure and foundations. Conceptual Design and Field Review Plans depicted all items to be constructed as well as the layout and basis of design for all foundations and superstructure. Drawings included preliminary bridge layout sheets, foundation plan, piling layout, span arrangement, roadway sections and layout, road profiles, typical sections, phase construction sheets, and an opinion of probable cost. Approval of Field Review Plans was received on schedule, triggering Final Design Services. Substructure and superstructure plans contain pile notes and bearing requirements, pile layout, all dimensions convenient to construction, sufficient cross section details, beam sizes, types and spacing, elevations & crown details, reinforcing details, pile bearing requirements, types and sizes, prestressing data where required, phase construction sheets, notes and proper cross referencing. All design computations, pertinent sketches, quantity estimates, preliminary construction schedule and required special provisions were also provided. Deliverables conform to applicable MDOT requirements and were prepared in accordance with all applicable codes.

KEY PERSONNEL: Michael Pugh, Beau Tate

ROYAL

FIRM NAME: Basin LLC	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Survey
PROJECT NAME: 31st Street Road and Bridge Survey	**FIRM RESPONSIBILITY (PRIME OR SUB):** Subconsultant
PROJECT NUMBER: 2023-029-WRB	**OWNER'S NAME:** Jefferson Parish
PROJECT LOCATION: Kenner, LA	**OWNER'S PROJECT MANAGER:** Sidney Bazley
OWNER'S ADDRESS, PHONE, EMAIL: 1221 Elmwood Park Blvd., Suite 909, Jefferson, LA 70123 | (504) 736-6742 | sbazley@jeffparish.net	
SERVICES COMMENCED BY THIS FIRM: 01/23	**TOTAL CONSULTANT CONTRACT COST:** $52
SERVICES COMPLETED BY THIS FIRM: 07/23	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $52

Basin Engineering & Surveying (Basin) provided a full topographic survey of 31st Street in Kenner, LA inclusive of the 31st Street Bridge over the Duncan Canal. The project was done in preparation of waterline replacement along the roadway.The 31st Street Bridge is a pre-cast concrete structure with pre-cast concrete pile and girder supports. The bridge includes both pedestrian and vehicular traffic with handrails with additional support for sewer and water infrastructure attached to the side of the bridge. Traditional surveying methods including RTK GPS and Total Station equipment were utilized to collect information on the bridge surface, supports, and surrounding infrastructure.

KEY PERSONNEL: Wesley Eustis

ROYAL

FIRM NAME: Basin LLC	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Survey
PROJECT NAME: Brazilier Island Survey over Jahncke Canal	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: 22-028	**OWNER'S NAME:** Bryce French
PROJECT LOCATION: New Orleans, Louisiana	**OWNER'S PROJECT MANAGER:** Bryce French
OWNER'S ADDRESS, PHONE, EMAIL: 900 Camp Street Suite 404, New Orleans, LA 70130 | (504) 410-8402 | bryce.french@cbre.com	
SERVICES COMMENCED BY THIS FIRM: 01/22	**TOTAL CONSULTANT CONTRACT COST:** $20
SERVICES COMPLETED BY THIS FIRM: 04/22	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $20

Basin Engineering & Surveying (Basin) provided a full topographic survey of Brazilier Island in New Orleans, LA inclusive of the Brazilier Island Rd. Bridge over the Jahncke Canal. The project was done in preparation of redevelopment of the property. The Brazilier Island Rd. Bridge is a pre-cast concrete structure with pre-cast concrete pile and girder supports. The bridge includes vehicular traffic with guardrails with additional support for sewer and water infrastructure attached to the side of the bridge. Traditional surveying methods including RTK GPS and Total Station equipment were utilized to collect information on the bridge surface, supports, and surrounding infrastructure. In addition, drone LIDAR was used to collect topographic information.

KEY PERSONNEL: Wesley Eustis

ROYAL

FIRM NAME: Huval and Associates, Inc.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: LA 356-1 Bayou Teche Bridge	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: H.011485	**OWNER'S NAME:** DOTD
PROJECT LOCATION: Breaux Bridge, LA	**OWNER'S PROJECT MANAGER:** Chris Guidry, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capitol Access Rd., Baton Rouge, LA 70804 | (225) 379-1933 | chris.guidry@la.gov	
SERVICES COMMENCED BY THIS FIRM: 01/17	**TOTAL CONSULTANT CONTRACT COST:** $500
SERVICES COMPLETED BY THIS FIRM: 11/21	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $500

Huval & Associates, Inc. (HUVAL) was originally contracted to perform an evaluation of the existing historic structure to determine the level of rehabilitation required to restore the bridge to a like new condition while preserving the historical features of the bridge. The bridge is listed as a Preservation Priority and HUVAL worked closely with the DOTD Bridge Design and Environmental Sections to ensure the requirements of the Programmatic Agreement were followed. The evaluation included a hands-on inspection of all components, a live load rating and a final report which summarized the findings and provide the DOTD with repair recommendations and estimated construction costs.

After finalizing the required repairs, Huval was issued a contract to prepare final rehabilitation plans to implement these repairs.

The design details included the replacement or rehabilitation of the following:

- Electrical equipment
- Paint system for structural steel
- Stringer bearings for approach spans
- Steel grid deck
- Rehab of movable traffic barriers
- Tower drive machinery rehab
- Span Locks
- Air Buffers
- Weighing and balancing of the movable span
- Epoxy overlay of the approach spans
- Modification of the bridge railing and sidewalk to comply with ADA requirements.

HUVAL also performed engineering construction services for the project.

HUVAL performed 100% of the work for this project in Louisiana.

KEY PERSONNEL: Colby Guidry

ROYAL

FIRM NAME: Huval and Associates, Inc.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: Herman Dupuis Rd. Pontoon Bridge Replacements	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: N/A	**OWNER'S NAME:** DOTD
PROJECT LOCATION: Butte La Rose, LA	**OWNER'S PROJECT MANAGER:** Kasey Courville, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: P.O. Box 9, St. Martinville, LA 70582 | (337) 394-2200 | kcourville@stmartinparish.net	
SERVICES COMMENCED BY THIS FIRM: 01/19	**TOTAL CONSULTANT CONTRACT COST:** $726
SERVICES COMPLETED BY THIS FIRM: 05/23	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $726

Huval & Associates, Inc. (HUVAL) was contracted to provide all necessary engineering required for developing plans for the replacement of the Herman Dupuis Rd. Pontoon Bridge. The pre-existing single lane pontoon bridge was closed frequently due to high water levels and structural repairs as required.

HUVAL prepared Design and Construction Plans for a two lane 125 ft. unequal arm steel girder swing span with 145 ft. of concrete slab span approaches. The bridge structure had to be designed on existing alignment in a tight area under vertical constraints to minimize impact to the adjacent roadways, private property, water levels, and the Atchafalaya Basin Levee adjacent to the bridge. The HPU and control panel will be located on the structure to reduce construction cost by eliminating the need for an operator's house. The new bridge will better meet the needs of the community by increasing safety, traffic capacity, improving stopping sight distance, and eliminating closures due to water levels.

HUVAL's responsibilities on this project included the following:

- Structural design of the concrete slab span approach superstructure
- Structural and Geotechnical design of the slab span approach substructure
- Structural and Geotechnical design of the concrete substructure on the movable span
- Structural design of the steel superstructure on the movable span
- Mechanical and Hydraulic Systems design
- Electrical design
- Traffic barrier design
- Final plans were completed in 2021.
- Huval provided construction services including;
  - » Shop drawing review
  - » RFI's
  - » Installation and operation inspection of mechanical systems
  - » Shop visits
  - » Site visits.
- Construction is complete and the bridge was fully opened in May of 2023.

KEY PERSONNEL: Reid Romero and Colby Guidry

ROYAL

FIRM NAME: Huval and Associates, Inc.	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Bridge
PROJECT NAME: IDIQ Retainer Contract for Bridge Preservation Statewide	**FIRM RESPONSIBILITY (PRIME OR SUB):** Prime
PROJECT NUMBER: 4400017262	**OWNER'S NAME:** DOTD
PROJECT LOCATION: Statewide, LA	**OWNER'S PROJECT MANAGER:** Andrew Windmann, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capitol Access Rd., Baton Rouge, LA 70804 | (225) 379-1074 | andrew.windmann@la.gov	
SERVICES COMMENCED BY THIS FIRM: 05/20	**TOTAL CONSULTANT CONTRACT COST:** $5,000
SERVICES COMPLETED BY THIS FIRM: Ongoing	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $2,194

As the Prime, HUVAL is responsible for Preliminary and Final Plans, Surveying Services, Bridge/Structural Inspection and Evaluation, Design Peer Review, Load Rating of Bridges, and Construction Services. Projects performed using LRFD and LRFR design. Completed and On-going Task Orders include:

- **LA 454 over Wiggins Bayou Bridge and Roadway Replacement, T.O. H.012545.5:** Preparing 90% and 100% preliminary plans and 60%, 90%, and 100% Final Bridge Design and Roadway Design Plans with estimated construction cost. Environmental and feasibility studies to realign the channel to mitigate future embankment erosion. The new structure will consist of LG 36 girder spans supported by concrete pile bents. Sub-consultants will perform geotechnical and hydrology surveys.
- **I-20 Bridge Evaluations and Median Barriers Design – US 165 East of Garret Road, T.O. H.014646.5:** Performing load ratings using the LRFR method, adhering to the latest DOTD BDEM. Repair and rehabilitation plans will be provided from the analysis while taking into account the future widening of I-20 and the effects of raising the existing structure to provide adequate vertical clearance for I-20. This will be determined in the bridge study which will look at the effects to the existing bridges, box culverts, roadway geometry, and proposed vertical clearance (16'6"). Submittals consist of Final Roadway, Bridge and Median Barrier Plans.
- **I-10 over I-49 Emergency Repairs, T.O. H.015412.5:** Huval provided emergency design engineering for an emergency repair of the I-10 overpass over I-49. Performed detailed inspection of the damaged structure and designed a replacement section of three concrete girders and deck.
- **US 90-W: US 90 over Bayou Ramos Repairs, T.O. H.015114.5:** Huval is tasked with providing design engineering services for permanent bridge repairs for the LA 182 Bridge over Bayou Ramos. This included preparing a summary of the damage assessment, developing repair concepts, and creating detailed bridge repair plans. Huval also identified necessary traffic control measures, providing specifications, quantities, and an opinion of probable construction costs, as well as preparing an as-designed load rating report. The project required the submission of 60%, 95%, and 100% Final Repair Plans, with the 95% and 100% submittals including cost estimates and detailed specifications.
- Huval and Associates, Inc. is performing 100% of the work for this project in the State of Louisiana.

KEY PERSONNEL: Colby Guidry and Reid Romero

ROYAL

FIRM NAME: ELOS Environmental, LLC	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Environmental
PROJECT NAME: LADOTD Rural Bridges: Phases I & II	**FIRM RESPONSIBILITY (PRIME OR SUB):** Subconsultant
PROJECT NUMBER: Multiple H No.	**OWNER'S NAME:** DOTD
PROJECT LOCATION: Statewide, Louisiana	**OWNER'S PROJECT MANAGER:** Brian Allen
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capitol Access Road, Baton Rouge, LA | (225) 379-1840 | brian.allen@la.gov	
SERVICES COMMENCED BY THIS FIRM: 08/20	**TOTAL CONSULTANT CONTRACT COST:** Unknown
SERVICES COMPLETED BY THIS FIRM: Ongoing	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $542

ELOS has been contracted by BKI to provide professional environmental consulting services for the Louisiana Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase II is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included wetland delineations, permit applications, cultural resource surveys, and threatened and endangered species surveys. ELOS has also assisted in the early planning stages of some of these projects to identify any possible adverse economic, social, or environmental effects or concerns.

PROJECT NUMBERS: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997 (Phase 1) and H.014242, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268, H.015685 (Phase II)

ELOS has performed all environmental services according to the standards of the Federal Highway Administration (FHWA). Permits have been coordinated through several federal and state agencies including joint applications to the USACE and the Louisiana Department of Energy and Natural Resources (LDENR) / Office of Coastal Management, Scenic Rivers permits through the Louisiana Department of Wildlife & Fisheries, and cultural resource surveys in coordination with the Louisiana State Historic Preservation Office. ELOS also has personnel recently trained in the tricolored bat identification and surveys, which have been used for some of these bridge replacement projects.

KEY PERSONNEL: Brian Fortson, Cory Ricks

ROYAL

FIRM NAME: ELOS Environmental, LLC	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Environmental
PROJECT NAME: Tangi-Off System Bridge Prioritization	**FIRM RESPONSIBILITY (PRIME OR SUB):** Subconsultant
PROJECT NUMBER: Multiple H No.	**OWNER'S NAME:** Tangipahoa Parish
PROJECT LOCATION: Tangipahoa Parish, Louisiana	**OWNER'S PROJECT MANAGER:** Dennis Hymel (Crescent Engineering & Mapping, L.L.C.)
OWNER'S ADDRESS, PHONE, EMAIL: PO Box 370, Vacherie, LA | (985) 257-6581 | dennis.hymel@crescentengla.com	
SERVICES COMMENCED BY THIS FIRM: 03/22	**TOTAL CONSULTANT CONTRACT COST:** $120
SERVICES COMPLETED BY THIS FIRM: Ongoing	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $78

The DOTD Off-System Bridge Replacement program focuses on replacing or rehabilitating bridges that are located on roads not part of the state highway system. These bridges typically serve local and rural areas, providing essential infrastructure for communities. Tangipahoa Parish is a participating parish with a list of qualified structures. The program is designed to address structural deficiencies, improve safety, and ensure compliance with modern design and environmental standards. It involves the evaluation, planning, and execution of bridge replacements to enhance transportation networks while minimizing disruptions to the affected communities.
PROJECT NUMBERS: H.015407, H.015333, H.015404

ELOS is currently contracted to provide all professional environmental services as required to provide the documentation necessary for a Categorical Exclusion from the Federal Highway Administration (FHWA). This includes preparing a Categorical Exclusion (CE) Document, both preliminary and final, which assesses potential environmental impacts and supports exclusion from more extensive reviews under the National Environmental Policy Act (NEPA). The Wetland Findings Report evaluates the presence and impact of wetlands on the project sites, identifying mitigation measures if needed. Additionally, the preparation and submission of a US Army Corps of Engineers (USACE) Permit application ensures that the project complies with federal regulations governing activities that affect wetlands and waters of the U.S., including wetland delineations and necessary coordination with regulatory agencies. These services collectively ensure environmental compliance and smooth project execution. ELOS is handling the solicitation of views, preparing the CE document in compliance with NEPA guidelines, and addressing potential environmental impacts such as wetlands, endangered species, hazardous materials, and more. The CE document includes detailed assessments of project alternatives, impacts, and coordination with stakeholders. We are also conducting a Wetland Findings Report, including wetland delineation, vegetation analysis, and impact quantification. Additionally, ELOS is preparing and submitting the US Army Corps of Engineers (USACE) Nationwide Permit application to meet all regulatory requirements. All deliverables, including the CE document, Wetland Findings Report, and permit application, are being prepared in accordance with FHWA and DOTD standards, with high-resolution photographs, maps, and comprehensive environmental documentation.

KEY PERSONNEL: Brian Fortson, Cory Ricks

ROYAL

FIRM NAME: ELOS Environmental, LLC	**PAST PERFORMANCE EVALUATION DISCIPLINE(S):** Environmental
PROJECT NAME: Off System Bridges 2023 Group 1	**FIRM RESPONSIBILITY (PRIME OR SUB):** Subconsultant
PROJECT NUMBER: Multiple H No.	**OWNER'S NAME:** DOTD
PROJECT LOCATION: East Baton Rouge Parish, Louisiana	**OWNER'S PROJECT MANAGER:** Dennis Hymel (Crescent Engineering & Mapping, L.L.C.)
OWNER'S ADDRESS, PHONE, EMAIL: PO Box 370, Vacherie, LA | (985) 257-6581 | dennis.hymel@crescentengla.com	
SERVICES COMMENCED BY THIS FIRM: 04/23	**TOTAL CONSULTANT CONTRACT COST:** $34
SERVICES COMPLETED BY THIS FIRM: Ongoing	**COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM:** $29

The purpose of the Off-System Bridges Program is to replace or rehabilitate structurally deficient or functionally obsolete parish structures in a cost-efficient manner and to provide design, detailed plans, and construction for replacement projects with an emphasis on meeting the minimum design standards set by the Louisiana Department of Transportation and Development (DOTD) and Federal Highway Administration (FHWA). All parishes are eligible to participate in the program. Every two years, participating parishes are provided with a list of qualified structures, estimated replacement costs, specific instructions, and the parishes' available funds.

PROJECT NUMBERS: H.014993.5, H.014992.5, H.014980.5

ELOS is contracted to provide a range of environmental and regulatory services, including the preparation and management of solicitation of views (SOVs), where we handle solicitation, receipt, and organization of agency and stakeholder feedback and document compliance with various local, state, and federal regulations, including threatened and endangered species, cultural and historic resources, and floodplain mitigation. This documentation provides the foundation for the categorical exclusion of project activities, namely the bridge replacements and related construction activities, to show how the project will not adversely impact people or the environment. ELOS has also assisted with environmental checklists to assess potential project impacts, conducted wetland studies with detailed reporting on environmental conditions and using the FHWA criteria and DOTD report standards, and obtained preliminary jurisdictional determinations, working with regulatory agencies to determine federal jurisdiction over wetland and waterbody areas. Our services ensure compliance with environmental laws and regulations throughout the project lifecycle.

KEY PERSONNEL: Brian Fortson, Cory Ricks

18. APPROACH AND METHODOLOGY

Provide a description of how the work will be performed ***and provide the proposed project schedule.*** *Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages.* ***If more than four pages are included, all pages after the fourth page will not be evaluated. If the consultant has information it believes is proprietary, label it accordingly.***

PROJECT UNDERSTANDING

Royal Engineers and Consultants, L.L.C. (Royal) understands that DOTD wishes to replace the existing bridge over Kidds Creek on Pride-Baywood Road near Baywood in East Baton Rouge Parish, LA. The roadway is classified as a rural local road and is asphalt with open ditch drainage. The bridge site has overhead utility crossings and possible underground utilities, which are not anticipated to require relocation, but will require consideration during design and coordination with East Baton Rouge Parish Representatives. The Royal Team is familiar with bridge projects of similar scope and magnitude.

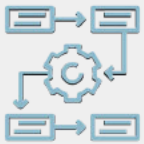
TEAMING APPROACH

The scope of this OSBR contract will require specific expertise and a distinct familiarity with DOTD's standards, processes, and documentation. To address all scope of work requirements, Royal has assembled a team that has successfully completed projects similar to those listed in the advertisement and who are positioned to interface daily with the DOTD Project Manager, the OSBR Program Manager, East Baton Rouge Parish, as well as other project stakeholders. Our team consists of a diverse group of professionals with extensive experience delivering roadway and various other project types for DOTD and throughout the State.

WHY ROYAL?

PROXIMITY TO PROJECT

Our Baton Rouge office is 28 miles from the project location



PROCESSES & PROCEDURES

Our team includes resources who have worked on DOTD projects for over 15 years

BRIDGE PROJECTS

Our team has completed bridge design in numerous coastal parishes

As detailed below, each team member brings specific expertise to ensure project success.

- **As Prime, Royal will lead all bridge design, engineering, and environmental services.** Royal's Civil/Structural engineers are experienced in the disciplines required for this project, have worked on DOTD bridges, and have collaborated closely with other Entities throughout Louisiana on numerous bridge and roadway replacement and rehabilitation projects.
- **Subconsultant Basin LLC (Basin) will lead and perform all surveying** activities with support from Royal. Basin's Professional Land Surveyor has conducted the required surveying activities on roadway and bridge projects in the Greater New Orleans area.
- **Subconsultant Huval & Associates, Inc. (Huval) will serve as structural design subject matter experts, provide design support, and participate in technical and QA/QC reviews.** Huval's bridge design experience dates back to 1965, when President David Huval, Sr. P.E., P.L.S. spent 13 years working directior for DOTD as Chief Bridge Engineer, followed by 45 years building a compnay specializing in DOTD bridge design. Royal and Huval have successfully teamed to complete the Preliminary Design of the recent W. Metairie DOTD Off-System Bridge project located in Jefferson Parish, LA.
- **Subconsultant ELOS Environmental, LLC (ELOS) will perform wetland studies and prepare a report of findings**. ELOS has provided Environmental Consultation services for numerous DOTD projects throughout southeast Louisiana since 2006. Royal and ELOS have successfully teamed on multiple projects, including the recent W. Metairie DOTD Off-System Bridge project located in Jefferson Parish, LA.

PROJECT KICKOFF

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, East Baton Rouge Parish, utility companies, Basin and ELOS present to clarify the project limits and to identify any potential design concerns.

Topics of discussion at the kickoff meeting will include:

- Request existing project information such as design or as-built drawings of the bridge, Pride-Baywood Road, and other existing infrastructure, such as drainage and utilities.
- Identify potential project issues including:
  - There are overhead electrical utilities and underground gas lines located near the project. Potential conflicts and relocations will be discussed with the Parish and utility owners.
  - There is articulated block matting revetment lining the channel downstream of the bridge which appears to be protecting a pipeline crossing. Sensitivity of this area will be discussed with the utility owner to identify any constructability concerns. Consideration will be given during preliminary design to tie-in to the existing revetment.
  - There is a sacked concrete retaining wall located at the southeast quadrant of the bridge with significant scour present. The tie-ins of the roadside ditches to the channel will be designed to protect the outfalls and adjacent bridge abutments from future scour.
  - Whether a detour bridge will be necessary during construction.

STAGE 3, PART 1: TOPOGRAPHIC SURVEY

- After the initial site visit, Royal and Basin will begin the survey phase of the project. Basin will perform the Topographic Survey per the Off System Bridge Guidelines and the DOTD Location & Survey Manual. Basin will then perform a centerline and cross-section survey capturing the topography of the existing bridge and roadway within 500 ft of each end of the bridge and 25 ft beyond the existing/apparent R/W. Stream topography will also be captured within 150 ft upstream and downstream of the bridge, at minimum, with sufficient information captured for Royal to perform hydraulic analyses.
- The survey will include all existing structures, large trees within the project area, horizontal and vertical control, utility data, existing/apparent R/W, and bridge features such as gutter lines, center bents, and low chords. Also included in the survey will be any known existing utilities to be accommodated during design.
- If R/W Services are determined to be required during the design process, Basin will also provide a property survey, base R/W maps, and title take-offs.

STAGE 3, PART 2: SUBMISSION

All final survey submittals to DOTD will be packaged and provided in accordance with the off-system bridge guidelines. The survey shall be completed within 30 days of the NTP and given to DOTD for review.

STAGE 3, PART 3: PRELIMINARY PLANS

After completing and accepting the survey phase, Royal, Huval, and ELOS will begin Part 3 of the project. Part 3 primarily consists of the Hydraulics Report, preliminary plans, and environmental clearance. Estimated timelines for completion of tasks and deliverables are included in the Sample Schedule graphic on the next page.

Hydraulics Report:

- Royal will perform hydraulic studies for the bridge site and prepare a hydraulic report including any viable alternates such as a bridge, reinforced concrete box culverts, or other Cross Drain Pipe options. The hydraulic studies and proposed designs will be per the 2011 DOTD Hydraulics Manual, as modified by the Hydraulics Guidelines for Off System Bridges. Royal will begin the hydraulic study by gathering available hydraulic data, such as existing bridge plans, flood studies, gage data, and effective FIRM HEC-RAS models from DOTD, the Parish, and other entities.
- Royal will delineate the floodplain for the channel using available topographic maps and LiDAR elevation data. Design discharge at the crossing site will be determined using the USGS or NRCS Method under Chapter 3 of the DOTD Hydraulics Manual, depending on the size of the drainage area. The design criteria

will be the lesser of the 25-year flood or the overtopping discharge.

- Royal will then perform a hydraulic analysis using HEC-RAS to establish an existing conditions model and proposed bridge design alternatives models. The topographic survey data of the channel obtained by Basin will be utilized as input cross-sectional data for the model. The proposed conditions models will be compared against the existing conditions model to ensure backwater requirements are met.
- The bridge is located in FEMA Flood Zone X, so a No-Rise is not anticipated to be required.
- Bridge scour will be estimated using the bridge scour hydraulic design tool in HEC-RAS. Efforts will be made throughout design to minimize the effects of scour and preventative/protective measures will be incorporated into the design.

50% Completion:

- Concurrently to the Hydraulics report, Royal, with the assistance of Huval, will begin the initial project layout and design review using Huval's extensive staff experience with bridges of this structure type, size, span, geography, and crossing type. This initial design will allow for a more rapid adjustment toward a completed preliminary design during the receipt and approval of the survey and hydraulic data, rather than a linear timeline for the design that would not begin until all data is collected and approved. To improve design efficiency and consistency with other state projects, standard bridge plans will be considered foremost in the design. However, should standards fail to satisfy the requirements of the project, a site-specific design will be utilized.
- Royal will also identify, design, and layout the necessary preliminary traffic detour plans associated with the construction efforts, which may require more than one traffic plan or detour route depending on the need for multiple phases of construction identified in the early design review. Quite often, complications with traffic design have an impact on bridge design specifics. Therefore, we believe it is pertinent to review the potential for complications as part of a larger effort than just the required construction signage.

Solicitation of Views / Environmental - Pre Plan in Hand Meeting:

- The environmental process will play a significant role in the delivery of the project on schedule. To minimize or eliminate the environmental impact of the project, Royal will attempt to utilize as much of the existing structure's footprint as possible within the design. Once the preliminary layout of the bridge replacement design has been accepted, ELOS will perform a site investigation using the latest U.S Army Corps of Engineers Wetland Delineation Manual. The site investigation will be confirmed with aerial base maps, and wetlands within the project footprint will be reported.
- Pictures, soil samples, plant communities, hydrology, and other pertinent information will be noted in the Wetland Determination Data Form as required. The report of wetland findings will be submitted to the U.S Army Corps of Engineers.
- After approval of the replacement structure and before the submission of the PIH plans, Royal will begin the Solicitation of Views (SOV), which will be mailed to all required Parish, governmental agencies, and private parties, as shown on the roster provided by DOTD.
- Upon receiving responses to the SOV, Royal will prepare the Categorical Exclusion Document as required.

Plan in Hand — Post Plan in Hand - Environmental Submission:

- After a successful Plan in Hand meeting, Royal will incorporate any final revisions into the preliminary plans.
- Once final grades and alignment are determined, the R/W requirements will be submitted to the Program Coordinator to facilitate right-of-way acquisition.
- The final Environmental clearance package will be submitted to the Program Coordinator. The final preliminary bridge plans will include the Typical Section, Plan and Profile, Drainage Map, Construction Signing Sheet, General Bridge Plan, Cross-sections, and Design Waiver and Exception Forms.

Final Plans:

The Final Plans stage, if required, will commence following completion of the Environmental Clearance process.

Construction:

- Royal will provide DOTD with support during the construction phase, as needed. After award of the contract, Royal will plan to attend the pre-construction meet-

ROYAL

ing and any necessary progress meetings.

» Royal will be available for RFIs, shop drawings, and change reviews during the construction phase.

CLOSING

The Royal Team has completed numerous projects throughout south Louisiana and has decades of experience with projects of similar scope and magnitude. We are prepared to bring the necessary resources, experience, and expertise to deliver this project quickly and with excellent quality. The Royal Team appreciates the review of our proposal and consideration for this project and we look forward to working with DOTD.

PROJECT SCHEDULE

The Project Schedule offered below represents the typical schedule for initial services for OSBR Program projects. The scheduled durations do not include review periods by DOTD.

Typical Schedule: Off-System Highway Bridge Program: Pride-Baywood Rd Over Kidds Creek, East Baton Rouge Parish

30 DAYS	45 DAYS	45 DAYS	30 DAYS	45 DAYS
1 TOPO SURVEY	2 50% PRELIMINARY PLANS AND HYDRAULIC REPORT	3 SOVs AND PRE-PLAN-IN-HAND	4 PLAN-IN-HAND PRINTS	5 POST PLAN-IN-HAND, ROW, ENVIRONMENTAL

PROJECT LOCATION

Contract No.: 4400030637 Off-System Highway Bridge Program: Pride-Baywood Rd Over Kidds Creek, East Baton Rouge Parish

19. WORKLOAD

ALL FIRMS	PAST PERFORMANCE EVALUATION DISCIPLINES	CONTRACT & STATE PROJECT NO.	PROJECT NAME	REMAINING UNPAID BALANCE
Royal Engineers and Consultants, L.L.C.	Road, Bridge	4400024593, H.015009.5	LADOTD OSBR West Metairie Ave Bridge	N/A
	CE&I/OV	4400028466, H.015504.6	Crescent City Connection Decorative Lighting Project	$159,169
		4400024438, H.010673	Harvey Tunnel Rehabilitation	$283,184
		4400027010, H.015018.5	Entity Contract for Lafayette Parish Non-State PVMT Markings	N/A
Basin, L.L.C.	N/A	N/A	N/A	N/A
Huval & Associates, Inc.	Road, Bridge	4400005673, H. 011235	I-49 South @ Verot School Road Lafayette Parish – Design Phase Supp. 3,4,5	$97,864
		H.003931	I-10 Calcasieu River Bridge; Public-Private Partnership	$20,033,996
		4400029193, H.004100.5	I-10 CMAR –Design	$4,545,608
		4400029193, H.004100.6	I-10 CMAR – Construction Services	$727,569
		440017262, H.012545.5	LA 454: Wiggins Bayou Bridge	$87,456
		4400017262, H.012027.5	I-20: UPRR Overpass	$362,180
		H. 001779	Jimmie Davis Bridge (LA 511 – Design-Build Project)	$2,218,929
	Bridge	4400010428, H.004774.5	Kansas Lane-Garrett Road Connector – Supp #1	$11,644
		H.004791	LA 23: Belle Chasse Bridge and Tunnel (HBI)	$238,565
		4400017421, H.001352.5	Comite Diversion Bridge at LA 67 – Construction Services	$174,522
		4400017421, H.002273.5	Comite Diversion Bridge at LA 19 & LA 19 Railroad – Const. Services	
		4400017262, H.014646.5	I-20: US 165 East of Garret Road	$27,224
		4400017262, H.014052.5	LA 151: Construction Services	$38,473
		4400017262, H.002868.6	I-49 South: Ambassador Caffery Interchange	$24,106
		4400017262, H.014747.5	Southern University Ravine Mitigation	$280,902
		4400017262, H.011808.6	LA 10: Palmetto Company Canal BR	$27,915
		4400023923, H.013821.5	LA 6: Youngs Bayou Bridges	$10
		4400023923, H.007300.5	I-20 Widening and Kansas - Garrett Connector	$18,483
		4400023923, H.012545.6	LA 454 - Wiggins Bayou Bridge: Construction Services	$39,352
		4400023923, H.014560.6	LA 94: Vermillion Bridge Replacement	$28,105

ELOS Environmental, L.L.C.	Environmental	44-0019337, H.014242	LA-124 Big Branch, Sandy, Godfrey, Beech Bridges	N/A
		44-0019337, H.014243	LA-472 Indian and Big Bear Creek	N/A
		44-0019337, H.014245	LA-119 Bayou Pierre and Creek Bridges	$15
		44-0019337, H.014246	LA-1199 Creeks & Spring Creek	$19
		44-0019337, H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	$45
		44-0019337, H.014247.5	LA-399 Bridges – Supplemental Task Order	N/A
		44-0019337, H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	$14
		44-0019337, H.014248.5	LA-124 On site Detours - Supplemental Task Order	$308
		44-0019337, H.014249	LA-126 Creek	$849
		44-0019337, H.014242.5	LA-124 Bridges/Detours – Supplemental Task Order	$21,473
		44-0019337, H.014250	LA-577 Bull Bayou and Creek Bridges	$38
		44-0019337, H.014268	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief	$30
		44-0019337, H.014268.5	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief – Add.Tasks	$278
		44-0019337, H.014245.5	LA-119 Bayou Pierre and Creek Bridges – Additional Tasks	N/A
		44-0019337, H.015685.5	EWL 6	$104
		44-0027734, H.014362	Lake Road in St. Tammany Parish	$22,877
		44-0024593, H.015009	OSBR West Metairie Ave Bridge, South Suburban Canal	N/A
		44-0025041, H.015429	Carroll Ave, Middle Colyell Creek - IIJA Off-System Bridges District 62	$61
		44-0025041, H.015430	Hood Rd, Middle Colyell Creek - IIJA Off-System Bridges District 62	$51
		44-0025041, H.015431	Sawmill Rd, Unnamed Creek - IIJA Off-System Bridges District 62	$53
		44-0025041, H.015432	M. Williams Rd, Spring Creek - IIJA Off-System Bridges District 62	$53
		44-0025041, H.015433	George Jenkins Rd, Berrys Creek - IIJA Off-System Bridges District 62	$64
		44-0019337, H.015434	Mitch Rd, Peters Creek - IIJA Off-System Bridges District 62	$49
		44-0029337, Several H	DOTD Phase II Rural Bridge Replacement – Total	$22,777
		44-0021326	DOTD Stage 0 IDIQ	$2,760
		44-0025041, Several H	DOTD IIJA Off-System Bridges District 62 - Total	$3,087

20. CERTIFICATIONS/LICENSES

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

ROYAL ENGINEERS AND CONSULTANTS, L. L. C.

ALEC CARTER O'BRIEN, PE


OSHA Occupational Safety and Health Administration

36-005295912

This card acknowledges that the recipient has successfully completed a 10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Carter O'Brien

Scott Wallace — (Trainer name – print or type)

04/02/2015 — (Course end date)


This is to certify that

Alec O'Brien

has successfully completed the requirements for the NRMCA Pervious Concrete Certification Program, and is duly recognized as a

Pervious Concrete Technician

Certified Pervious Concrete Technician
PCCNeobcl6ir

Date of Certification: February 25, 2021
Expiration Date: February 24, 2026

Michael Philipp
President


NRMCA

March 11, 2021

Alec O'Brien
Royal Engineering
4708 Elysian Fields Ave
New Orleans LA 70122

Dear Alec:

Congratulations! This letter is to inform you that you have successfully passed from NRMCA's Pervious Concrete Certification Exam conducted by the Online on February 25, 2021 thereby earning your *Pervious Technician Certification*. Your score for the written exam is as follows:

Pervious Concrete Contractor Exam Score **96%**

The required passing score is 75%. Your *Pervious Concrete Technician Certification* is valid for five years: it expires February 24, 2026.

Please note that your examination scores are sent directly to you. Specific exam results will not be sent to your employer unless requested. However, should your employer contact NRMCA in writing regarding your certification status, we will provide your pass/fail results upon their request.

If you have any questions regarding your exam results, please contact me at (703) 706-4854 or by email at sdickens@nrmca.org.

Sincerely,

Shawnita Dickens

Shawnita Dickens
Manager, Certification Programs

ENCLOSURE: Pervious Concrete Technician certificate


ATSSA
Safer Roads Save Lives

Alec O'Brien

has attended
National Flagger Certification Training Course

Completed: 24-JAN-2025

CEU (If Applicable): 0.35

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Alec O'Brien
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

12/3/2021 to 12/3/2025
Training Valid Through

Director of Training

New Orleans, LA
Location

President, CEO

ATSSA


NTS
NATIONAL TRENCH SAFETY

CERTIFICATE

This card confirms that

Carter O 'Brien

has attended the
Excavation Safety Competent Person Seminar

03/21/2015 — *Date*

Miguel Salinas — *Instructor*

Issued by: NTS Milwaukee

"THE TRENCH AND TRAFFIC SAFETY SPECIALISTS"

KATHERINE FOREMAN, PE


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Katherine Foreman
has attended
Traffic Control Technician-I & State Specific
Training Course

6/21/2022 to 6/21/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Katherine Foreman
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

HUVAL & ASSOCIATES, INC.

COLBY GUIDRY, P.E.

National Highway Institute

Certificate of Training

Colby Guidry

has participated in

Fracture Critical Inspection Techniques for Steel Bridges

Issued by

LA DOTD/LTRC

Date: April 27-30, 2009

Location: Baton Rouge, LA

Hours of Instruction: 21

Allison Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Colby Guidry

has participated in

Fundamentals of LRFR and
Applications of LRFR for Bridge Superstructures

Issued by

LA DOTD/LTRC

Date: December 7-10, 2009

Location: Baton Rouge, LA

Hours of Instruction: 24

Allison Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute

BASIN, L.L.C.

WESLEY EUSTIS, P.E., P.L.S.

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

Mr. Wesley Reid Eustis

License/Certificate Type - Number

PLS.0005225

Status: Active

Exp Date: 03/31/2026

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

ROYAL

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
ROYAL ENGINEERS AND CONSULTANTS, L.L.C.	Limited Liability Company	NEW ORLEANS	Active

Previous Names

Business: ROYAL ENGINEERS AND CONSULTANTS, L.L.C.
Charter Number: 36013193K
Registration Date: 9/12/2005

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
HUVAL & ASSOCIATES, INC.	Business Corporation	LAFAYETTE	Active

Previous Names

Business: HUVAL & ASSOCIATES, INC.
Charter Number: 34351949D
Registration Date: 3/21/1990

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
ELOS ENVIRONMENTAL, LLC	Limited Liability Company (Non-Louisiana)	WILMINGTON	Active

Previous Names

Business: ELOS ENVIRONMENTAL, LLC
Charter Number: 45643772Q
Registration Date: 10/19/2023

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
BASIN LLC	Limited Liability Company	NEW ORLEANS	Active

Previous Names

Business: BASIN LLC
Charter Number: 44464485K
Registration Date: 6/14/2021

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.

See attached.

Quality Assurance/Quality Control Plan

Contract No. 4400030637

Off System Highway Bridge Program

Pride-Baywood Rd Over Kidds Creek

State Project No. H. 015985.5

Federal Aid Project No. H015985

East Baton Rouge Parish

PREPARED FOR

PREPARED BY

ROYAL ENGINEERS AND CONSULTANTS, L.L.C.

1501 RELIGIOUS ST, STE. C

NEW ORLEANS, LOUISIANA 70130

PHONE: (504) 283-9400

FAX: (504) 283-9001

February 5, 2025

Table of Contents

SUMMARY OF ROYAL'S QA/QC GOAL

Royal Engineers and Consultants, L.L.C. (Royal) and its design team have completed numerous successful bridge designs. Royal will be the primary designer on the project handling the design with assistance from Huval & Associates, Inc. (Huval). Royal will utilize DOTD's Bridge Design QC/QA process along with its internal checklists, processes, and procedures that meet or exceed the requirements of this project.

Royal's goal as with any project is to provide the highest standard design in a timely and cost-effective manner. In order to accomplish this, Royal has developed this Quality Control – Quality Assurance plan with the ultimate goal of delivering a quality set of construction plans that will minimize or eliminate errors. Royal understands that QC/QA is the responsibility of the consultant and that DOTD has no obligation to ensure the quality of plans prepared by consultants.

GLOSSARY

Quality Assurance (QA): Procedures of reviewing the work to ensure the quality controls are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications; those actions, procedures, and methods employed at the management and senior technical levels to observe and ensure that prudent quality procedures are in place and are being carried out and that the desired result of a quality product is achieved.

Quality Control (QC): Procedure for checking the accuracy and consistency of the calculations and the drawings, detection and correcting design omissions and errors before the design plans are finalized and verifying the specification for the load-carrying members are adequate for the service and operation loads.

Designer: Engineer directly responsible for the development of design calculations, drawings, special provisions and cost estimates. Must be either a licensed professional engineer or engineer intern.

Design Checker: Engineer responsible for performing a full technical review of the design calculations, special provisions, drawings, and cost estimates. Must be either a licensed professional engineer or engineer intern, however, if the designer is an engineer intern the design checker must be a professional engineer.

Detailer: Individual responsible for preparing drawings. This individual/s is responsible for development of the drawing through the use of required CAD technology.

Detail Checker: Engineer responsible for performing a full technical review of prepared details/drawings for accuracy.

Reviewer: Engineer responsible for ensuring that the QC process has been followed as outlined. The Reviewer is responsible for ensuring that submittals are complete and in accordance with DOTD Bridge Design practices, policies and procedures.

Red Team Review: Internal team review prior to each submission phase after completion of initial QC and QA reviews. Comments from review to be incorporated into plans prior to submittal.

Engineer of Record: Qualified Engineer responsible for stamping the Final set of Plans and assuring that QC/QA certification is signed by all responsible parties.

DESIGN TEAM

The designers and QC/QA Personnel are clearly identified in the table below. The team is highly qualified to perform the work.

Title/Role	Name	Company
Engineer of Record	Katherine Foreman, P.E.	Royal
Designer (Hydraulics/Civil)	Katherine Foreman, P.E.	Royal
Designer (Structural)	Katherine Foreman, P.E.	Royal
Checker (Hydraulics/Civil)	Cassidy Melancon, E.I.	Royal
Checker (Structural)	Billy Fontenot, P.E.	Royal
Reviewer (Hydraulics/Civil)	Beau Tate, P.E.	Royal
Reviewer (Structural)	Colby Guidry, P.E.	Huval
Survey Reviewer	Katherine Foreman, P.E.	Royal
Detailer	DeWain Butler	Royal
Detail Checker	Billy Fontenot, P.E.	Royal
Detail Reviewer	Reid Romero, P.E.	Huval
Constructability Review	Alec Carter O'Brien, P.E.	Royal

SOFTWARE AND DOCUMENT CONTROL

Royal's team is familiar with all necessary drafting and design software, including - CADConform, Microstation, InRoads, and ProjectWise as required by the DOTD and all drawings will conform to LADOTD Software and Deliverables Standards for Electronic Plans. The design team will use software for bridge design that is listed on the DOTD Bridge Design Section's Pre-Approved Software List. If a need arises to utilize other software, such software will be submitted to the Bridge Design Engineer Administrator for approval prior to use.

All pertinent communications, project files, submissions, and documentation of the QC/QA process will be saved within Royal's internal filing system. Final calculation books and other final design documents will be submitted to DOTD at the completion of the project.

Markups and comments on plans and other design documents will be made using red ink (or

red text if review is performed digitally). The checker/reviewer's name and date of review will be listed on the first page of the document set. Other colors of ink or text may be used to distinguish between comments from different checkers/reviewers if a common document set is used. Markups and comments that have been addressed or otherwise responded to will be highlighted in yellow to indicate completion by the relevant designer or detailer.

SURVEY PHASE

Basin LLC (Basin) will produce the survey in accordance with the procedures as shown on pages 13-17 of the Off-System Bridge Guidelines. Royal will review the field books, topography points and using information from maps/site visits will ensure all necessary points are picked up.

- Field books submitted by Basin, reviewed by Royal.
- Packaging check submitted by Royal, reviewed by Basin.

DESIGN PHASE

Using the design criteria submitted and approved by Royal to DOTD, Royal will follow the design criteria to establish the Bridge Type, size, at this location. All design assumptions, exemptions, etc. will be listed on the design criteria checklist. The design criteria will be updated if necessary but sent to DOTD for review and approval.

DESIGN CALCULATIONS, PLAN DEVELOPMENT, AND REVIEW

QC PROCESS

The quality control phase is governed by the designer/design checker and detailer/detail checker roles. Generally, at the completion of each detail or design the designated checker will independently confirm or redline the submission.

Each designer on the Royal team is responsible for producing, maintaining, and reviewing their own details and plans prior to submitting for review. Royal will implement the design checker as noted in the DOTD QC/QA process. The design checker will be the engineer responsible for producing independent calculations and reviewing those submitted by the designer. Work produced by the CADD detailer will be checked by the responsible designer. All detailed, designed, or calculated work on this project will be independently reviewed by a licensed Professional Engineer.

All calculations that are reviewed, edited, or redlined will be included with the final submission package. All corrected errors will be noted and updated, the calculations from design check(s) will be included with the final submission.

Design checkers shall review for correctness, verifying that the design is adequately reflected in the plans and details.

QUALITY ASSURANCE

The quality assurance phase is defined by the review of QC process to ensure procedures are being followed, and processes are complete. The reviewer is responsible for assuring designs and details are following LADOTD Bridge Design common practices and guidelines.

Reviewers will be charged with identifying any constructability issues, safety, or site issues. Reviewer will provide designer comments or concerns with critical or complicated structures. Upon completion by the designated project reviewer Royal will hold an internal red team review with all personnel involved in the detail and design phase.

At the completion of the QA process by the Reviewer, the QC/QA form (provided in the appendix) will be signed by the designer, design checker, detailer, detail checker, and reviewer.

RED TEAM REVIEW (FINAL REVIEW BEFORE SUBMISSION)

Royal and Huval will have an internal final team review of all calculations, plans, hydraulics, and environmental. Comments produced from the Red Team Review will be noted during the meeting to be incorporated prior to final submission.

FINAL REVISIONS BASED UPON RED TEAM REVIEW

Designer and detailer will encompass all comments made from the red team review. Royal and Huval will ensure that all design calculations, review/check calculations are packaged.

APPENDIX

- Appendix A: Design Criteria Checklist
- Appendix B: Final Calculation Book Checklist
- Appendix C: QA Information Package Checklist
- Appendix D: QC/QA Certification
- Appendix E: Peer Review Resolution Agreement

APPENDIX A—DESIGN CRITERIA CHECKLIST

Design criteria for each project shall include, but not limited to, the following sections:

__ **Cover sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

__ **Governing Design and Construction Specifications and Other References**

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

__ **Design Assumptions and Design Exceptions**

All design assumptions and design exceptions received must be included in this section along with supporting documents.

__ **General Information**

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

__ **Hydraulic Design Criteria**

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

__ **Design Factors**

The ductility factor η_D, redundancy factor η_R, and operational importance factor η_I shall be listed in this section.

__ **Design Loads**

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

__ **Limit States**

All applicable limit states for this project shall be listed in this section.

__ **Bridge Barrier Railing**

The design criteria, types, and test levels for bridge barrier railings shall be listed in this section. Standard Plans should be listed if they are utilized.

__ **Guardrail**

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard Plans should be listed if they are utilized.

__ **Approach Slab**

Design criteria for approach slab shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Deck and Deck Drainage**

All design criteria for deck and deck drainage design shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Bearing**

All bearing types and design criteria for each bearing type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Joint**

All joint types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Superstructure**

All superstructure types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Substructure**

All substructure types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Piles and Drilled Shafts**

All pile types, sizes, and structural design criteria shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Geotechnical Design**

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard Plans should be listed if they are utilized.

__ **Mechanical Design**

All mechanical design criteria shall be included in this section if applicable. Standard Plans should be listed if they are utilized.

__ **Electrical/Lighting Design**

All electrical design criteria shall be included in this section if applicable. Standard Plans should be listed if they are utilized.

__ **As-Designed Bridge Rating Criteria**

All as-designed bridge rating criteria shall be included in this section.

__ **Software**

All software used for design and check shall be included in this section.

APPENDIX B—FINAL CALCULATION BOOK CHECKLIST

The final calculation book for each project shall include, but not limited to, the following sections:

__ **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

__ **Final Calculation Book Check List**

__ **QC/QA Certifications**

__ **Peer Review Resolution Agreement (if peer review is performed)**

__ **Design Criteria**

__ **Final Hydraulic Analysis Report from Hydraulic Engineer**

__ **Final Geotechnical Analysis Report from Geotechnical Engineer**

__ **Superstructure Design Calculations**

__ **Substructure Design Calculations**

__ **Quantity Calculations**

__ **Special Provisions/NS-Items**

__ **Construction Cost Estimate**

__ **As-Designed Rating Report**

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

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

__ **A PDF File of the Calculation Book (Including the As-Designed Rating Report)**

__ **All Electronic Design Files**

__ **A PDF File of the As-Designed Rating Report Only**

The final calculation book for in-house projects shall include the same files listed above for consultant projects. The final calculation book and other final design documents for all projects including in-house and consultant projects shall be uploaded to the archiving location designated in the record retention policy within 30 calendar days after the stamped final plans are delivered.

APPENDIX C—QA INFORMATION PACKAGE CHECKLIST

Project No.:
Project Description:

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents _____

APPENDIX D—QC/QA CERTIFICATION

Project No.:

Project Name:

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

Team Members	**Name**	**PE Registration No.**	**Responsible Plan Sheets**	**Responsible Special Provisions**	**Construction Cost Estimate**	**Signature**
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

APPENDIX E—PEER REVIEW RESOLUTION AGREEMENT

Project No.:

Project Name:

We, the undersigned Peer Reviewer, Supervisor or Team Leader of the design team, and LADOTD Representative for this project, have reviewed and accepted the attached peer review resolutions. We certify that the peer review has been performed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	Signature
Peer Reviewer		
Supervisor or Team Leader		
LADOTD Representative		

22. SUB-CONSULTANT INFORMATION

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

FIRM NAME *(Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)*	**ADDRESS**	**POINT OF CONTACT & EMAIL ADDRESS**	**PHONE NUMBER**
Basin LLC	2811 B Toulouse New Orleans, LA 70119	Wesley Eustis, P.E., P.L.S. weustis@basinengllc.com	(504) 766-0526
Huval & Associates, Inc.	922 West Pont Des Mouton Road Lafayette, LA 70507	Colby Guidry, P.E. cguidry@huvalassoc.com	(337) 234-3798
ELOS Environmental, LLC	607 W. Morris Avenue Hammond, LA 70403	Lucas Watkins lwatkins@elosenv.com	(985) 662-5501

23. LOCATION

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.