

ENGINEERING AND RELATED SERVICES

April 8, 2025

Contract No.: 4400030552

State Project No.: H.012469.6

Federal Aid Project No.: H012469

ENTITY CONTRACT FOR:

US 190: MRB - NAVIG LIGHT REPL (HBI) (CE&I)
East Baton Rouge Parish

PRESENTED TO:



SUBMITTED BY:

Royal Engineers and Consultants, L.L.C.

1501 Religious Street, Suite C

New Orleans, LA 70130

www.royal.us

504.283.9400



April 8, 2025

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

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Parish: East Baton Rouge



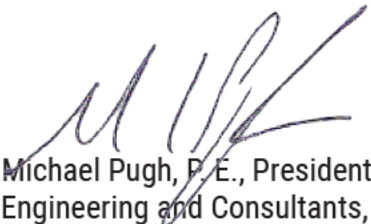
Dear Consultant Selection Committee,

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 Construction Engineering and Inspections (CE&I) on the US 190: MRB - NAVIG LIGHT REPL (HBI) (CE&I) project. Since 2005, Royal has delivered multi-disciplinary professional engineering, construction management, and resident inspection services for industry, government, and the private sector across the Gulf Coast. Royal has provided CE&I services for complex roadway, bridge, and infrastructure programs throughout South Louisiana, totaling more than \$2 billion.

For this project, Royal has strategically teamed with Modjeski and Masters, Inc. (M&M) to combine Royal's bridge CE&I experience with M&M's electrical expertise on bridge projects from both a design and CE&I perspective. Royal and M&M are currently working with each other on the Dynamic Decorative Lighting project on the Crescent City Connection bridges in New Orleans. For that project, M&M provided design services and construction related engineering support, including plans, specifications and special provisions, construction estimating, illumination analysis, and engineering calculations for the replacement of the existing decorative lighting system. Royal provided CE&I services on the same project during the construction phase, which had a unique timetable and schedule constraint, because the project had to be ready for the Super Bowl in New Orleans in February of this year. Royal and M&M have specifically partnered for the US 190: MRB project because of the successful working relationship as colleagues on the CCC decorative lighting project. M&M also is extremely familiar with this Mississippi River Bridge (MRB), because their firm has performed substantial work on this bridge previously and knows the structure well.

We appreciate the opportunity to respond and look forward to working with the DOTD to fulfill the needed services on this project. Please direct communication to our Primary Point of Contact, Alec Carter O'Brien, by phone at (504) 283-9400 or via email at cobrien@royal.us.

Sincerely,


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

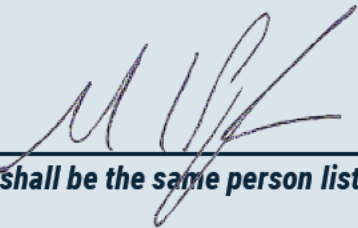
2B+
Design & Construction Management
Projects Since 2005



(Revised December 12, 2024)

1. Contract Name: US 190: MRB - NAVIG LIGHT REPL (HBI) (CE&I)**2. Contract Number(s):** 4400030552**3. State Project Number(s):** H.012469.6**4. Prime Consultant Name:** Royal Engineers and Consultants, L.L.C.**5. Prime Consultant License Number:** EF.0003328**6. Prime Consultant Mailing Address:** 1501 Religious Street, Suite C, New Orleans, LA 70130**7. Prime Consultant Physical Address:** 1501 Religious Street, Suite C, New Orleans, LA 70130**8. Name, Title, Phone Number, and Email Address:** Alec Carter O'Brien, P.E., Project Engineer, 504-283-9400, cobrien@royal.us**9. Name, Title, Phone Number, and Email Address:** 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 firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

**Signature above shall be the same person listed in Section 9:****Date:** April 8, 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

DISCIPLINE(S)	% OF OVERALL CONTRACT	ROYAL ENGINEERS AND CONSULTANTS, LLC	MODJESKI AND MASTERS, INC.	EACH DISCIPLINE MUST TOTAL 100%
CE&I/OV	100%	51%	49%	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%	51%	49%	100%

13. Firm Size

FIRM NAME	DOTD JOB CLASSIFICATION	NUMBER OF PERSONNEL COMMITTED TO THIS CONTRACT	TOTAL NUMBER OF PERSONNEL AVAILABLE IN THIS DOTD JOB CLASSIFICATION
Royal Engineers and Consultants, LLC	Engineer	1	10
	Inspector – Certified	1	4
	Inspector – Lead	2	4
	Project Office Manager	1	8
	Principal	1	2
	Supervisor – Eng	1	4
Modjeski and Masters, Inc.	Engineer	1	10
	Engineer - Other	1	13
	Inspector - Bridge	1	1
	Supervisor - Eng	2	12



PRINCIPAL
Michael Pugh, P.E. | Royal | MPR 1

SUPERVISING ENGINEER
Alec Carter O’Brien, P.E. | Royal | MPR 2, 3, 4

**ELECTRICAL ENGINEERING
SUPPORT AND INSPECTIONS**
Technical Expertise: RFIs, Submittals, As-builts
Jonathan Gerhart, P.E. | M&M | MPR 5 & 6
Erin Clay Rodgers, P.E. | M&M

ASSISTANT PROJECT ENGINEER
Robert Klare, P.E. | Royal
Matthew Miller, P.E. | M&M

PROJECT OFFICE MANAGER
Meaghan Faherty | Royal

INSPECTOR-LEAD
Jeffery Monfrey | Royal
Gary Brouillette | Royal

INSPECTOR-CERTIFIED
Chaz Dunn | Royal *


INSPECTOR-BRIDGE
James Costigan, P.E. | M&M *

LEGEND
* – As-needed bench support


15. Minimum Personnel Requirements

MPR NUMBER	PERSONNEL BEING USED TO MEET THE MPR	FIRM EMPLOYED BY	LICENSE & DISCIPLINE MEETING MPR/ CERTIFICATION & NUMBER	STATE OF LICENSE	LICENSE, CERTIFICATION, & EXPIRATION DATE
1	Michael Pugh, P.E.	Royal	P.E. 30911, Civil	LA	3-31-2026
2	Alec Carter O'Brien, P. E.		P.E. 43647, Civil	LA	3-31-2026
3	Alec Carter O'Brien, P. E.		P.E. 43647, Civil	LA	3-31-2026
4	Alec Carter O'Brien, P. E.		P.E. 43647, Civil	LA	3-31-2026
5	Jonathan E. Gerhart, P.E.	Modjeski and Masters	P.E. 43052, Electrical	LA	3-31-2027
6	Jonathan E. Gerhart, P.E.		P.E. 43052, Electrical	LA	3-31-2027

16. Staff Experience


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 <i>(mm/yy – mm/yy)</i>		EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>				
28 Years of Experience		Mr. Pugh has 28 years of experience in designing roads, sidewalks, and pedestrian facilities, and in management and oversight of Construction Engineering & Inspection (CE&I) functions of small- and large-scale roadway enhancement projects.				
02/25 - Ongoing <i>Featured Project</i>		Audubon Avenue Overlay: LA 1 to Terrebonne P/L DOTD Contract H.013269.6 SCOPE: Royal will provide CE&I services for a mill and overlay of 1.44 miles of an asphalt roadway in Terrebonne Parish. Royal will provide oversight of road construction and perform all CE&I deliverables. The project includes over 22,000 Square yards of asphalt mill and overlay with a reinforced paving mat. Additionally, associated PCCP patching, ADA compliant curb ramps, thermoplastic traffic striping, and other various maintenance construction items. ROLE: Principal. Project oversight and governance.				
10/16 – 06/22 <i>Featured Project</i>		Roadway Restoration Program City of New Orleans Department of Public Works SCOPE: Provided CE&I services, which included restoration of concrete and asphalt roadways and associated infrastructure (sidewalks, driveways, drainage, sewer, and water). Provided construction management and administration, supervised resident inspectors, and was responsible for QA/QC of field deliverables. ROLE: Principal. Responsible for project oversight and governance.				
06/18 – 06/19		Citywide Construction Administration and Resident Inspection Services City of New Orleans Public Works SCOPE: Provided CE&I services and oversight of annual maintenance contractors in 5 maintenance zones citywide. Oversight of repair and restoration of pavement and associated infrastructure, sidewalks and ADA compliance. Responsible for leading a team that inspected 30-35 sites per maintenance zone monthly. ROLE: Principal Engineer. Responsible for all CE&I deliverables.				
03/17 – 05/19		Taxiway F Phase III Enabling Project Lafayette Regional Airport SCOPE: Provided CE&I and Construction Management services for the Lafayette Airport Taxiway Foxtrot Phase III construction project. The project created a parallel taxiway for Runway 4L-22R and a connector taxilane to extend Taxilane A to provide access to the new terminal. Responsibilities included performing a project constructability review. ROLE: CE&I Subject Matter Expert.				

12/10 – 01/17	Streetcar Expansion Program Construction Management New Orleans Regional Transit Authority SCOPE: Construction Management/CE&I services for installation of 14,400 track ft. of continuously welded rail at half grand union at Canal/N. Rampart, embedded double cross over at Frenchman/Elysian Fields, traction powered substation, overhead catenary system, refurbishment of over 40 historic light poles, utility relocation/upgrades, and road milling/repaving. ROLE: Principal Engineer. Responsible for all CE&I deliverables.
11/10 – 08/11	Bloski Avenue Extension U.S. Naval Facilities Engineering Command Southeast in Belle Chasse, LA SCOPE: Construction Management of 1,300 ft. asphalt roadway, sidewalks, concrete driveways, solar street lighting, and storm-water drainage infrastructure. Development and maintenance of the Stormwater Pollution Prevention Plan (SWPPP), Environmental Protection Plan (EPP), Health & Safety Plan (HASP), and Accident Prevention Plan (APP). Mr. Pugh reduced NAVFAC's projected costs by approximately \$800,000 and reduced the project schedule by 50 days. ROLE: Principal Engineer. Responsible for all CE&I deliverables.
03/07 – 10/09	Roadway Restoration Project St. Bernard Parish SCOPE: Engineering Design and Construction Management for restoration of all concrete/asphalt roadways and associated infrastructure (sidewalks, driveways, drainage, sewer, and water systems), that suffered damage during Hurricane Katrina. Design, bidding, and construction management of 178 roadways with a nearly \$60 million construction value. ROLE: Principal Engineer. Lead Design Engineer and primary technical resource for RFIs, Change Orders, Estimates/Pay Apps.
05/23 – Ongoing	West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009 SCOPE: The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. ROLE: 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.
04/19 - 05/24	East Hardy Bridge Design and Replacement Hattiesburg, MS SCOPE: Provided 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. ROLE: Principal. Served as QA/QC Lead. 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 SCOPE: 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. ROLE: 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.


NAME: Alec Carter O'Brien, PE	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: Project Engineer, MPR 2, 3, 4 / Roadway Lead and All Task Order Deliv				

EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
15 Years of Experience	<p>Mr. O'Brien is a licensed Engineer with 15 years of heavy civil, roadway, drainage, and bridge construction management and design experience. 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, and sidewalk projects.</p> <p>CERTIFICATIONS: ATSSA Traffic Control Supervisor, ATSSA Traffic Control Technician, Certified Flagger, AMPP Basic Coatings Level 1, OSHA Fall Protection, LPA CE&I (Part 1-9)</p>
05/24 – Ongoing <i>Featured Project</i>	<p>Crescent City Connection Decorative Lighting Project (CE&I) DOTD Contract H.015504.6</p> <p>SCOPE: Royal provides leadership and staff for CE&I 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 the installation that features lights on the trusses and illuminating the piers.</p> <p>ROLE: Engineer. As Project Lead, responsible for all CE&I deliverables and QA/QC for all of them (maintaining the project schedule, and all contractor coordination and oversight). Supervises inspectors and Project Office Manager.</p>
02/25 - Ongoing <i>Featured Project</i>	<p>Audubon Avenue Overlay: LA 1 to Terrebonne P/L DOTD Contract H.013269.6</p> <p>SCOPE: Royal will provide CE&I services for a mill and overlay of 1.44 miles of an asphalt roadway in Terrebonne Parish. Royal will provide oversight of road construction and perform all CE&I deliverables. The project includes over 22,000 Square yards of asphalt mill and overlay with a reinforced paving mat. Additionally, associated PCCP patching, ADA compliant curb ramps, thermoplastic traffic striping, and other various maintenance construction items.</p> <p>ROLE: Project Engineer. Full responsibility for all CE&I deliverables.</p>
06/23 – 03/24	<p>Lafayette Parish Non-State Pavement Markings (CE&I) DOTD Contract H.015018.5 (Entity)</p> <p>SCOPE: Providing contract administration and 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.</p> <p>ROLE: Engineer. 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.</p>
9/20 – Ongoing <i>Featured Project</i>	<p>JDEC 230 KV Transmission CE&I Services</p> <p>SCOPE: Royal performed CE&I for the installation of a new 230kV Transmission Line System Loop, which included oversight of construction of the 230KV line through marsh/farmland, populated areas, and crossing the Mermentau River, Calcasieu Ship Channel, and the Intracoastal Waterway.</p> <p>ROLE: Constructability Reviews and Subject Matter Expert for installation of electric components on bridges and water crossings.</p>


<p>10/23 - Ongoing <i>Featured Project</i></p>	<p>Almonaster Bridge Rehabilitation Port of New Orleans SCOPE: Royal is performing Construction Engineering and Inspections on repairs to the dolphins and fenders of the Almonaster Avenue Bridge, located on the Inner Harbor Navigational Canal in New Orleans, Louisiana. The estimated construction cost for these critical infrastructure repairs ranges from \$1,500,000 to \$2,400,000. ROLE: Senior Construction Manager. Key repair activities include replacing missing and damaged fender timbers, timber piles, bents, wales, walkways, and structural elements across various pier and fender systems, ensuring the structural integrity and operational safety of the bridge.</p>
<p>03/19 – Ongoing</p>	<p>Bridge Rehabilitation and Replacement Program St. Bernard Parish, LA SCOPE: Royal's responsibilities during the construction phase consist of all planning and coordination with the contractor during pre-construction through close-out with all associated personnel. ROLE: Construction Manager on the Royal team contracted by St. Bernard Parish Government (SBPG) for the Bridge Rehabilitation and Replacement Program. Royal provides engineering services for repairs, restorations, and/or replacement of Parish-owned roadway and canal crossings to Pre-Katrina condition while preserving, conserving, and protecting the historical significance of each. Mr. O'Brien is responsible for assisting with contractor oversight, change orders, resident inspectors, monthly pay applications, RFI responses, and reviewing testing results.</p>
<p>05/15 – 03/19 <i>Previous Employer</i></p>	<p>West Larose Vertical Lift Bridge Lafourche Parish, LA SCOPE: This \$26,000,000 project consisted of rehabilitation of the entire moveable bridge including construction of a new fender system, concrete structural repairs, steel girder repairs, bearing replacement, cleaning, head removal, painting, sealing cracks, bolt replacement, and updating electrical and mechanical equipment. ROLE: Mr. O'Brien served as a Construction Engineer on LADOTD Contract No. 4400005410 - Retainer Contract for Construction Engineering and Inspection and Painting and Inspection and Environmental Monitoring Statewide. Mr. O'Brien generated and composed several change orders for the project and was responsible for compiling surveyed elevations on newly constructed bridge footing to show possible issues with subsidence.</p>
<p>06/23 – Ongoing <i>Featured Project</i></p>	<p>US 90Z Harvey Canal Tunnel Rehabilitation (CE&I) DOTD Contract H.010673 SCOPE: Royal serves as a subconsultant providing CE&I services 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. ROLE: Engineer. Responsible for CE&I deliverables (management of inspectors, compliance with plans and specifications, QA/QC of field reports, conducting progress meetings with contractors, and maintaining project schedule).</p>
<p>03/19 – 06/22</p>	<p>Roadway Restoration Program City of New Orleans Department of Public Works SCOPE: Provided CE&I services, which included restoration of concrete and asphalt roadways and associated infrastructure (side walks, driveways, drainage, sewer, and water). Provided construction management and administration, supervised resident inspectors, and was responsible for QA/QC of field deliverables. As the project lead, was also responsible for data management and reporting, review of estimates/pay applications and project closeout tasks. ROLE: Project Engineer for Construction Phase. Responsible for all CE&I deliverables.</p>
<p>01/19 – 03/19 <i>Previous Employer</i></p>	<p>I-10 Widening, LA 347 to Atchafalaya Floodway Bridge Route (CE&I) St. Martin Parish, LA SCOPE: Covered 3.436 miles, costed \$52million, and widened/reconstructed four structures and the east/west-bound lanes. ROLE: Engineer Intern. Responsible for Critical Path Method (CPM) schedule review.</p>

NAME: Robert Klare, PE	TITLE: Assistant Project Engineer	FIRM EMPLOYED BY: Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 1	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 10		
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2013 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 42991 / LA / 3-31-2025		YEAR REGISTERED: 2018	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer / Contract Administration + Engineering Services			
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))		
11 Years of Experience	<p>Mr. Klare has extensive experience in the design of roadways, multiuse trails, and transportation alternative projects (TAP) for LADOTD projects. Technical skills include AutoCAD, EPA SWMM, and LADOTD Hydraulic Design Software. He has a Bachelor of Science in Civil Engineering from LSU and his related coursework included Intro to Surveying, Advanced Surveying, Hydrologic Design, Steel Design, Concrete Design, Deep Foundations.</p> <p>CERTIFICATIONS: ATSSA Traffic Control Technician, ATSSA Traffic Control Supervisor, FYFE Qualified Inspector, OSHA Fall Protection</p>		
02/25 - Ongoing <i>Featured Project</i>	<p>Audubon Avenue Overlay: LA 1 to Terrebonne P/L DOTD Contract H.013269.6</p> <p>SCOPE: Royal will provide CE&I services for a mill and overlay of 1.44 miles of an asphalt roadway in Terrebonne Parish. Royal will provide oversight of road construction and perform all CE&I deliverables. The project includes over 22,000 Square yards of asphalt mill and overlay with a reinforced paving mat. Additionally, associated PCCP patching, ADA compliant curb ramps, thermoplastic traffic striping, and other various maintenance construction items.</p> <p>ROLE: Assistant Project Engineer. Contract administration and construction engineering services.</p>		
10/20 – Ongoing <i>Featured Project</i>	<p>RR004 Bayou St. John Roadway Restoration Fairgrounds & Seventh Ward Group B City of New Orleans Department of Public Works</p> <p>SCOPE: Royal provided construction management for the \$23million FEMA-funded roadway improvements, one of the largest in the city. The project area covers 110 city blocks and is estimates 29,000 sq. yds. of asphalt, 18,000 sq. yds. of concrete. It will require replacement of roadway pavement, water/sewer lines, and drainage. The work also includes modifications to improve consumer mobility related to the Americans with Disabilities Act (ADA).</p> <p>ROLE: Project Engineer. Mr. Klare works as project manager providing field management of construction (conducting progress meetings, dealing with resident complaints, recommending monthly pay estimate approval, field adjustments assistance, and using knowledge/experience in civil construction ensuring project remains on schedule/budget).</p>		
2021 – 2023	<p>Drainage Improvements to Lime Street Jefferson Parish, LA</p> <p>SCOPE: Designed full reconstruction of Lime Street in Metairie, LA, from Veterans Highway to W Esplanade Ave. The \$6.5million project replaced waterlines, upgraded drainage, and fully removed and replaced the 26' wide concrete roadway along the 0.8 mi. stretch. Design challenges included addressing conflicts between larger drainage lines, existing utilities, and oak trees.</p> <p>ROLE: Assistant Project Engineer. Mr. Klare assisted in designing the full reconstruction and developed traffic control plans for work along Veterans Blvd, W. Esplanade Ave, and Kawanee Ave.</p>		

01/23 – Ongoing	Construction Management and Estimating Services for Nashville Wharf A Substructure Repairs, Phase 2 Port of New Orleans SCOPE: The existing wharf was constructed in 1960-1961 and is approximately 2,400 linear ft. long, 214 ft. wide, and is supported by approximately 5,371 steel piles. ROLE: Assistant Project Engineer responsible for assisting the project manager with construction management (cost estimating, constructability reviews, document control, field representation, and closeout).
2019 – 2021	LA45/LA303 Rosethorne Path (Lafitte) DOTD Contract H.013365 SCOPE: The project connected previously isolated sections of residential areas with the town's commercial and recreational assets. The design accommodated a narrow right-of-way, existing drainage inlets, and other utilities while conforming to all ADA and DOTD requirements. Construction finished in 2023. ROLE: Project Engineer. Mr. Klare designed a two-mile-long concrete walk along Jean Lafitte Blvd. in Lafitte.
06/22 – 03/23	St. Bernard Parish 40 Arpent Trail DOTD Contract H.013525 SCOPE: This 7.5-mi. trail expands bicycle and pedestrian access and includes four bridges across 40 Arpent Canal. ROLE: Project Engineer. Mr. Klare designed an asphalt bike trail on 40 Arpent Levee in Chalmette, LA.
2010 – 2020	St. John Eastbank Levee Trail Multiple projects SCOPE: The levee trail extends from St. John/St. Charles Parish line to St. Charles/St. James line. Construction completed in phases from 2011-2020. ROLE: Project Engineer. Mr. Klare worked on approximately seven mi. of this 14 mi. asphalt trail.
2016 – 2017	City of Lafitte Sidewalks City of Lafitte SCOPE: This urban project increased connectivity between critical economic corridors in the Town of Lafitte, providing safe passage for pedestrians and recreational value. Construction was completed in 2017. ROLE: Project Engineer for two projects adding concrete sidewalks around downtown Lafitte.
2013 – 07/23	Project Engineer-Meyer Engineers, Ltd. SCOPE: LA 59 Realignment and Tammany Trace Tunnel (LADOTD), the Northeast Louisiana Veterans Cemetery, the S Galvez Street Full Reconstruction (New Orleans) and the Port of South Louisiana Administration Building (St. John the Baptist Parish). ROLE: Mr. Klare worked on various projects designing roadways, sidewalks, foundations, and drainage infrastructure. He drafted plans, obtained regulatory permits/approval (LADOTD, USACE, CUP, Mississippi River Levee Districts, Fire Marshal, and municipal Planning/Zoning), performed minor structural design, and prepared cost estimates/timelines/scopes/contracts.

NAME: Jeffery Monfrey	TITLE: Lead Inspector	FIRM EMPLOYED BY: Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 2	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 26		
DEGREE(S) / YEARS / SPECIALIZATION: N/A			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A	YEAR REGISTERED: N/A	DISCIPLINE: N/A	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Inspector - Lead / Resident Inspections			
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	<p>Mr. Monfrey has nearly 30 years of experience in various road and bridge construction environments. He has provided resident and construction services for roadway and structural projects.</p> <p>CERTIFICATIONS: LADOTD Structural Concrete Inspector, Embankment and Base Course Inspector, PCC Paving Inspector, and Asphalt Paving, Inspector/Technician. Bridge Inspector’s Training Course. ATSSA Work Zone Traffic Control Supervisor, ATSSA Traffic Control Technician, and Certified Flagger, OSHA Fall Protection</p>		
03/23 – Ongoing <i>Featured Project</i>	<p>US 90Z Harvey Canal Tunnel Rehabilitation (CE&I) DOTD Contract H.010673</p> <p>SCOPE: Royal serves as a subconsultant providing CE&I services 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.</p> <p>ROLE: Resident Inspector. Mr. Monfrey observes construction, (new tile lining, drainage pumps, pavement, and ventilation systems), prepares daily reports, inspects progress, and attends all progress meetings.</p>		
05/24 – Ongoing <i>Featured Project</i>	<p>Crescent City Connection Decorative Lighting Project (CE&I) DOTD Contract H.015504.6</p> <p>SCOPE: Royal provides leadership and staff for CE&I 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 the installation that features lights on the trusses and illuminating the piers.</p> <p>ROLE: Inspector. Responsible for site visits and inspections for an electrical installation on the Crescent City Connections. Observes and documents construction progress, prepares reports on daily activity, and provides information to the Engineer, Scheduler, and Document Control team members on field activity. DOTD is installing a new decorative lighting system for the Crescent City Connection bridge at a cost of approximately \$20.7million. Damage from Hurricane Ida created electrical system surges that resulted in the installation of a new LED system that features lights on the trusses of the bridges and lights illuminating the piers. Royal is providing leadership and staff for CE&I services.</p>		
02/19 – 04/23	<p>2013-011-RB: Causeway Blvd. Overpass of Airline Dr. Jefferson Parish Public Works</p> <p>SCOPE: Rehabilitated Ramps 6, 7, and overpass of Causeway Boulevard Overpass at Airline Drive.</p> <p>ROLE: Resident Inspector. Mr. Monfrey observed construction (structure jacking, span movement, reinforced concrete riser, girder strengthening, bridge deck joint sealing, epoxy-urethane overlay, and bridge drainage rehabilitation), prepared daily reports, inspected progress, attended all progress meetings, and noted daily work items/quantity comparison.</p>		


12/01 – 07/20	<p>Southbound Causeway Safety Rail Improvements GNOEC 433</p> <p>SCOPE: The project included construction administration and resident inspection for the improvement of the bridge railing system to MASH Test Level 4, concrete railing repair, impact attenuator replacement, sign/support relocation, call box modification, pavement marking/access platform installation, progress meeting organization, submittals review (construction schedules, RFIs, plan changes, and materials), and partial pay estimate processing.</p> <p>ROLE: Resident Inspector. Mr. Monfrey observed construction, produced daily reports, and safety/TTC removal/installation reviews.</p>
04/19 – 06/20	<p>Westwood Drive (WB Expressway to Lapalco) DOTD Contract H.011795</p> <p>SCOPE: Construction of 0.648 mi. of roadway including 20,516 sq. yds. of PCC pavement with barrier/mountable curb, gutter, class II base course, drainage pipes/structures, sanitary sewer, and tie-in to north-end Westbank Expwy. and south-end Lapalco Blvd.</p> <p>ROLE: Construction Inspector. Mr. Monfrey maintained construction records (daily project diary entries to indicate contractor personnel/utilized equipment/accepted work/traffic control acceptability) and charged contract time.</p>
10/18 – 03/20	<p>Canal Boulevard (Allen Toussaint Boulevard– Amethyst) (CE&I) DOTD Contract H007271.6</p> <p>SCOPE: Provided construction administration, engineering, and inspection to reconstruct four lane divided boulevard including grading, drainage structures, concrete/milling asphalt/PCC pavement, pavement patching, class II base course, scarifying/compacting roadbed, cofferdams, stormwater pumping station, pavement striping, sign/legends/symbols.</p> <p>ROLE: Construction Inspector. Mr. Monfrey responded to RFIs/to limit effect of unforeseen site conditions, visited site, performed substantial completion inspections, and negotiated change orders.</p>
01/11 – 12/15	<p>Lake Pontchartrain Causeway Bascule Control System Replacement GNOEC, St. Tammany and Jefferson Parishes, LA</p> <p>SCOPE: Designed control system to allow operator control of bascule bridge system at N. Channel of Lake Pontchartrain Causeway.</p> <p>ROLE: Mechanical Inspector. Mr. Monfrey inspected control system to make sure it retained all mechanical/procedural interlocks.</p>
06/95 – 08/06	<p>DOTD Bridge Inspections District-wide, LA</p> <p>SCOPE: Repaired and replaced bridges for all fixed/moveable bridges (On & Off Systems) for the entire District 02 area in Louisiana.</p> <p>ROLE: Lead Inspector. Supervised team of inspectors performing bridge substructure, superstructure, and decking inspections</p>
10/07 – 02/13	<p>Huey P. Long Bridge Widening DOTD Contracts 006-01-0012, 003-01-0018, 006-01-0021, 006-01-0022, Jefferson Parish, LA</p> <p>SCOPE: Mr. Monfrey was a Senior Bridge Inspector assigned to the Huey P. Long Bridge widening projects.</p> <p>ROLE: Senior Bridge Inspector. Mr. Monfrey supervised the inspection of structural steel erection and bolting, structural concrete construction, embankment and base course construction, concrete paving, and asphaltic concrete paving.</p>

NAME: Gary Brouillette		TITLE: Senior CE&I Inspector		FIRM EMPLOYED BY: Royal Engineers and Consultants, L.L.C.		
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 2		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 15				
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2007 / Construction Management						
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A		YEAR REGISTERED: N/A		DISCIPLINE: N/A		
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Inspector - Lead / Resident Inspections						
EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>		EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>				
17 Years of Experience		Mr. Brouillette is a senior construction inspector in heavy civil construction with 17 years of field experience. Gary has extensive experience performing construction inspections for roadway enhancement projects. CERTIFICATIONS: LADOTD Embankment and Base Course Inspector, LADOTD Structural Concrete Inspector, LADOTD Asphalt Paving Inspector/Technician, LADOTD PCC Paving Inspector, Traffic Control Supervisor, Traffic Control Technician, ATSSA Registered Flagger, 10 Hour Occupational Health and Safety Training Course, OSHA Fall Protection				
05/24-Ongoing <i>Featured Project</i>		Crescent City Connection Decorative Lighting Project (CE&I) DOTD Contract H.015504.6 SCOPE: Royal provides Project Engineering and leadership and staff as a subconsultant assisting with CE&I services 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 the installation that features lights on the trusses and illuminating the piers. ROLE: Inspector-Lead. Responsible for daily observation of construction, daily reporting, quantity tracking, and progress inspection to ensure compliance with plans and specifications.				
4/23 – Ongoing		Nashville Wharf A Substructure Repairs Port of New Orleans SCOPE: Provided construction management with a CMAR delivery method. The wharf was constructed in 1960-1961, about 2,400 linear ft. long, 214 ft. wide, and supported by 5,371 steel piles. ROLE: Senior Inspector				
10/23 - Ongoing <i>Featured Project</i>		Almonaster Bridge Rehabilitation Port of New Orleans SCOPE: Royal team responsible for Construction Engineering and Inspections and Construction Management for the replacement of timbers, piles, bents, wales, walkways, and structural elements. ROLE: Senior Inspector. Responsible for daily observation of construction activities, daily reporting, quantity tracking, and inspection of work progress to ensure compliance with plans and specifications.				
3/24 – Ongoing		Seabrook Bridge Port of New Orleans SCOPE: Royal was responsible for Construction Engineering and Inspections for the replacement of timbers, piles, and walkways to the Seabrook Bridge and Fender for the Port of New Orleans. ROLE: Inspector-Lead. Responsible for daily observation of construction activities, daily reporting, quantity tracking, and inspection of work progress.				

03/23 – 06/23	<p>Safe Routes to Schools – Phases I and II Baton Rouge and Independence, Louisiana DOTD: H.006499 and H.010108</p> <p>SCOPE: Roadway enhancement to improve pedestrian/nonvehicular access to schools. The projects included repair and construction of sidewalks, driveways, earthwork, grading, drainage, striping, and handicapped ramps with an estimated cost of \$1.7 million.</p> <p>ROLE: Inspector - Certified. Responsible for field oversight and construction inspection (tracking progress/quantities, preparing daily reports, attended all progress meetings, and maintaining project diary).</p>
03/21 – 04/22	<p>RR3 – Lake Terrace & Oaks Group D No. 2017 – RR072 City of New Orleans Department of Public Works</p> <p>SCOPE: CE&I services for \$7million installation of a new sewer/drainage system, water main replacement, manhole rehabilitation, new manhole and VMNV catch basin structures, new PCCP roadway construction including base/subbase materials, sidewalk/driveway replacement.</p> <p>ROLE: Resident Inspector. Responsible for Inspection of construction, including tracking work progress and quantities, preparing daily reports and maintaining project diary. Attended all progress meetings.</p>
06/18 – 04/20	<p>Bonnabel Canal Improvements Metairie, Louisiana</p> <p>SCOPE: CE&I for \$4.2million installation of a 3000 linear ft. steel sheet pile wall, embankment and base course installation, slope paving, concrete curb wall, drainage pipe extensions, and 6’ chain link fence.</p> <p>ROLE: Resident Project Representative. Provided field oversight of all construction, reviewed monthly pay estimates with contractor and Project Engineer, scheduled progress/field site meetings, formulated punchlist for final inspection/project acceptance.</p>
04/17 – 03/18	<p>Airline Park Boulevard in Metairie DOTD: H.009028</p> <p>SCOPE: Construction oversight of \$6.2million roadway rehabilitation that included removal of PCC pavement, class II base course installation, various size RCP/RCPA installation, new drainage pump station structure and generator pad, roadway structures (manholes, catch basins, conflict boxes, and sewer service/water main relocations).</p> <p>ROLE: Resident Project Representative. Attended pre-construction conference and weekly progress meetings, performed inspections during construction, and led field site meetings.</p>
11/15 – 05/16	<p>Old Behrman Highway in Gretna DOTD: H.011759 P2P</p> <p>SCOPE: Field oversight for complete restoration of Old Behrman Hwy. The project included PCC pavement, asphalt patching, cold planing, asphalt paving, and ADA handicap ramp construction.</p> <p>ROLE: Senior Inspector. Coordinated construction phases with contractor, attended pre-construction conference, weekly progress/field site meetings, formulated final inspection/ project acceptance punchlist, assisted “2059” closeout.</p>

NAME: Chaz Dunn	TITLE: Resident Inspector	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): 9		
DEGREE(S) / YEARS / SPECIALIZATION: N/A / N/A / N/A			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A	YEAR REGISTERED: N/A	DISCIPLINE: N/A	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Inspector - Certified / Inspections			
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))		
12 Years of Experience	<p>Mr. Dunn is an experienced resident inspector, documents all construction activities and material quantities, and assists in payment request evaluation.</p> <p>CERTIFICATIONS: FYFE Qualified Inspector, Embankment and Base Course Inspector, OSHA 10 Road Construction and Infrastructure, Troxler Certification, Asphalt Concrete Paving Inspection, Structural Concrete Inspector, Traffic Control Technician, Traffic Control Supervisor, OSHA 30 Hour Construction</p>		
09/23 – Ongoing	<p>MoveBR Jefferson Highway at Bluebonnet Boulevard East Baton Rouge Parish, LA</p> <p>SCOPE: This project which includes widening Bluebonnet Boulevard at Jefferson Highway in Baton Rouge to add an additional turning lane to both the northbound and southbound directions of Bluebonnet.</p> <p>ROLE: Resident Inspector</p>		
08/21 – Ongoing	<p>FEMA Roadway Restoration Program Department of Public Works, New Orleans, LA</p> <p>SCOPE: The Royal team provides construction management and resident inspection for FEMA’s roadway program including associated subsurface drainage, sewerage, and water repairs. Construction is performed by multiple contractors under contract by DPW and overseen by Royal. Royal is providing all construction/data management, reporting, platform deployment, QA, administration, pay applications, and closeout.</p> <p>ROLE: Inspector. Mr. Dunn supports on-site and back-office personnel including construction managers and resident inspectors.</p>		
10/22 – Ongoing	<p>Construction Management Services for Jourdan Rd Wharf Terminal Substructure Repairs Port of New Orleans</p> <p>SCOPE: Royal was responsible for construction management services, including constructability reviews, document control, field representation, supporting Port NOLA with project close out for the repair of the substructure of the wharf at the Jourdan Rd. Terminal on the Gulf Intracoastal Waterway in New Orleans.</p> <p>ROLE: Resident Inspector responsible for constructability reviews, document control, field representation, and closeout.</p>		
01/23 – Ongoing	<p>Construction Management and Estimating Services for Nashville Wharf A Substructure Repairs, Phase 2 Port of New Orleans</p> <p>SCOPE: Royal was responsible for construction management including cost estimating, constructability reviews, document control, field representation, and supporting Port NOLA with project closeout for the repair of the substructure of the Nashville Wharf “A” facility located on the Mississippi River in New Orleans, LA.</p> <p>ROLE: Resident Inspector responsible for cost estimating, constructability reviews, document control, field representation, and closeout</p>		

10/19 – Ongoing	RR004 Bayou St. John Roadway Restoration for Fairgrounds & Seventh Ward Group B City of New Orleans Department of Public Works SCOPE: Royal provided construction management for the \$23million FEMA-funded roadway improvements, one of the largest in the city. The project area covers 110 city blocks and is estimates 29,000 sq. yds. of asphalt, 18,000 sq. yds. of concrete. It will require replacement of roadway pavement, water/sewer lines, and drainage. The work also includes modifications to improve consumer mobility related to the Americans with Disabilities Act (ADA). ROLE: Resident Inspector. Mr. Dunn documents all construction and material quantities in-place, assists the contractor payment request evaluation, tests/maintains quality testing records, submits daily inspection reports, and observes job-site safety.
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NAME: Meaghan Faherty	TITLE: Project Office Manager	FIRM EMPLOYED BY: Royal Engineers and Consultants, L.L.C.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 7	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 0		
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2010 / Marketing (Management Minor) AD / 2017 / Construction Management			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A	YEAR REGISTERED: N/A	DISCIPLINE: N/A	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Project Office Manager / Document Control, Record Mgmt., Closeout			
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))		
7 Years of Experience	<p>Ms. Faherty is an experienced document controller who has worked on several major roadway programs in Louisiana. She has provided field and office support for multiple Royal projects. She supports office management with reporting, document control, and other responsibilities.</p> <p>CERTIFICATIONS: Traffic Control Supervisor, Traffic Control Technician, Certified Flagger</p>		
06/23 – 03/24	<p>Lafayette Parish Non-State Pvmnt Markings (CE&I) DOTD Contract H.015018.5 (Entity)</p> <p>SCOPE: Providing construction contract administration and CE&I services for the construction and restriping of 14 miles of roadway along Cajundome Boulevard, East Pinhook Road/Teurlings Avenue, Kaliste Saloom Road, Mudd Avenue, and Gendarme Road in Lafayette Parish.</p> <p>ROLE: Project Office Manager. Responsible for document control in daily reporting, estimates/pay applications, and change orders.</p>		
05/24-Ongoing <i>Featured Project</i>	<p>Crescent City Connection Decorative Lighting Project (CE&I) DOTD Contract H.015504.6</p> <p>SCOPE: DOTD is installing a new decorative lighting system for the Crescent City Connection bridge at a cost of approximately \$20.7million. Damage from Hurricane Ida created electrical system surges that resulted in the installation of a new LED system that features LED lights on the trusses of the bridges and lights illuminating the piers. Royal is providing a project engineer, office manager, and inspectors.</p> <p>ROLE: Project Office Manager. Responsible for document control in daily reporting, estimates/pay applications, and change orders.</p>		
11/19 – Ongoing <i>Featured Project</i>	<p>Roadway Restoration Program City of New Orleans Department of Public Works</p> <p>SCOPE: Provide CE&I and Construction Management services for the for the City of New Orleans Department of Public Works on a FEMA-funded roadway repair program. Program includes addressing pavement rehabilitation and associated drainage, sewerage, and water repairs.</p> <p>ROLE: Inspector. Project Office Manager.</p>		
4/23 – Ongoing	<p>Nashville Wharf A Substructure Repairs Port of New Orleans</p> <p>SCOPE: Royal provided construction management services including cost estimating, constructability reviews, document control, and field inspections for the repair of the substructure of the Nashville Wharf “A” facility located on the Mississippi River in New Orleans, LA. The existing wharf was constructed in 1960 and 1961 and is approximately 2,400 linear feet long and 214 feet wide and supported by approximately 5,371 steel piles.</p> <p>ROLE: Document Control Specialist.</p>		

10/23 - Ongoing <i>Featured Project</i>	Almonaster Bridge Rehabilitation Port of New Orleans SCOPE: Royal team was responsible for Construction Engineering and Inspections and Construction Management for the replacement of timbers, piles, bents, wales, walkways, and structural elements. ROLE: Project Office Manager. Responsible for quality control, document control, financial management.
3/24 – Ongoing	Seabrook Bridge Port of New Orleans SCOPE: Royal team was responsible for Construction Engineering and Inspections for the replacement of timbers, piles, and walkways to the Seabrook Bridge and Fender for the Port of New Orleans. ROLE: Document Control Specialist. Responsible for quality control, document control, financial management.
10/20 – 11/20	Clarence Henry Truckway Turnaround Pavement Rehabilitation New Orleans, LA SCOPE: Royal performed construction management and resident inspection for the Clarence Henry Truckway Turnaround Pavement Rehabilitation project. The scope of construction was to setup a detour, cold plane (mill), overlay (2" wearing and 4" binder) and restripe the turnaround. ROLE: Project Office Manager. Responsible for quality control and document reviews.

NAME: Matthew J. Miller, PE	TITLE: Senior Project Manager	FIRM EMPLOYED BY: Modjeski and Masters, Inc.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 14		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 0	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2010 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: PE.39534 / LA / 9-30-2025		YEAR REGISTERED: 2014	DISCIPLINE: Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Assistant Project Engineer / Project Engineer Support			



EXPERIENCE DATES (mm/yy – mm/yy)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
14 Years of Experience	<p>Mr. Miller is a registered professional engineer with 14 years of experience. He joined Modjeski and Masters in 2011 and works in the firm's Field Service Business Unit-Southeast Region where he leads construction engineering and inspection efforts. Mr. Miller is experienced in bridge construction, construction contract administration, bridge inspection and repairs, and bridge emergency response. He has served as construction manager, resident engineer and an assistant resident engineer on several highway and rail bridge construction projects and has served as lead field engineer for various bridge rehabilitation and repairs projects. As a NBIS-certified bridge inspector, Mr. Miller has been the team leader on many movable, long-span, steel, and timber bridge inspection projects. Most notably, he led the inspection of more than 1,300 steel bridges throughout Union Pacific Railroad's entire track system, which covers 22 states west of the Mississippi River. Mr. Miller has also served as lead field engineer on railroad bridge emergency projects including structural and mechanical failure resulting from train derailments, natural disasters, marine vessel collisions, natural member deterioration, and construction errors. Mr. Miller is certified in a variety of Bridge Construction and Bridge Inspection industry standard training, including FHWA-NHI Safety Inspection of In-service Bridge courses, FHWA-NHI Drilled Shaft Foundation Inspection, PTI Level 2 Multistrand and Grouted PT Specialist, e-Railsafe Training, M&M's Technical and Rope Access Program, and American Red Cross and CPR.</p>
04/22 – Ongoing	<p>Point No Point Bascule Bridge Replacement Project, Newark, NJ Conrail Shared Assets – The existing Point-No-Point Bridge is a 120-year-old swing span over the Passaic River and PATH, carrying Conrail, CSX, and Norfolk Southern trains. The structures are currently being replaced with a single-leaf bascule bridge built offline. Leading the CM/CI for the entire project, M&M manages the construction team, schedule, and budget; adjusts field inspection team based on construction activity; monitors Contractor schedule and budget; reviews Contractor Change Orders and invoices; processes pay applications; leads weekly meetings with Conrail and Contractor and prepares and distributes minutes; receives, files, reviews Contractor submittals and RFIs pertaining to demolition and erection schemes and all temporary works; provides quality assurance reviews of submittal and RFI reviews performed by the EOR; performs structural, mechanical, and electric shop inspections; monitors construction schedule and contract time; provides permitting compliance oversight; tracks removal and disposal of non-regulated, regulated, and hazardous material; inspects all permanent and temporary works during and after installation; and leads the environmental, geotechnical, and vibration monitoring. Mr. Miller is the Construction Manager and Resident Engineer overseeing the construction of the new bascule span. He is responsible for coordinating all on-site work and the construction of the embankments, drilled shaft foundation, concrete piers and abutments, steel bascule span, and steel approach spans. He coordinates the efforts of structural, mechanical, and electrical inspectors. He monitors the project schedule and budget.</p>


06/20 – 11/21	<p>Cline Avenue Bridge Review, Analysis, and Construction Support. East Chicago, IN United Bridge Partners – Mr. Miller was the on-site resident engineer for this project leading a team of engineers providing construction support, investigation and analysis of construction related issues, and dispute and litigation assistance and support. The Cline Ave. Bridge is 6,236-foot-long precast post-tensioned segmental box girder bridge that consists of 29 cast-in-place concrete columns that support 685 post-tensioned concrete single cell box girder segments which form the bridge’s superstructure and deck. M&M performed a fully independent review on the design, review of construction documents, and provided an on-site presence for completion of construction.</p>
01/18 – 08/19	<p>Br. 305.45 Angleton Sub San Bernard Bridge, Sweeney, TX Union Pacific Railroad – Mr. Miller was the Assistant Resident Engineer and Chief Construction Inspector for a new vertical lift bridge that replaced an existing swing span bridge over the San Bernard River in the Angleton Subdivision of the Union Pacific Railroad. M&M provided the design and construction support, accommodating an accelerated construction schedule. The new bridge was designed to be “remote control ready.” Mr. Miller was involved in all aspects of the project’s construction engineering and inspection duties from the fabrication and erection phase through the bridge change out, commissioning and project close out phases. He took part in reviewing submittals and RFI’s, assisting Union Pacific Railroad with changes and disputes, and confirming that the as-built condition complied with the plans and specifications.</p>
03/15 - 09/16	<p>St. Claude Avenue Bridge - Grating Replacement. New Orleans, Louisiana Port of New Orleans – M&M prepared contract documents and provided construction monitoring for the replacement of the open grid deck on the outboard lanes of the St. Claude Avenue Bridge. The grid deck was approaching the end of its service life and replacement was warranted. M&M researched alternate available grid decks to select given the dimensions, capacity, design and connection details and weight. Mr. Miller performed CE&I Inspection on site.</p>
10/14 - 09/15	<p>Seabrook Bridge - Roadway Removal & RR Repairs. New Orleans, Louisiana Port of New Orleans – This project consisted of the removal of two 120-foot long roadways cantilevered from a single-leaf bascule bridge over the Inner Harbor Navigational Canal in New Orleans, LA. The roadways have been abandoned due to corrosion and over time have presented a safety concern. M&M performed engineering services for the design and preparation of plans, specifications and inspection services related to emergency repairs at the Seabrook Bridge, including removal of the roadways, rebalancing the movable span and railroad repairs. A full analysis of the bridge was completed to ensure structural integrity, and modifications are being made to the bridge counterweight and span to ensure balance during operation. Mr. Miller performed CE&I Inspection.</p>
01/12 - 09/15	<p>Lapalco Double Leaf Bascule Bridge Rehabilitation Jefferson Parish Dept of Engineering – The Lapalco Boulevard Bridge over the Harvey Canal is a four-lane highway bridge. The main bridge portion of the Lapalco Boulevard Bridge is a welded plate girder, double leaf, trunnion type bascule with an open grid deck. The approach spans are comprised of steel girder spans and concrete girder spans with concrete decks, and concrete slab spans with curtain walls. Modjeski and Masters performed an in-depth inspection of structural, mechanical and electrical components and approach spans including a coatings inspection of the steel metalwork. M&M also performed a load capacity rating analysis of the structure and developed a written condition report detailing findings and recommendations. M&M performed UT investigations of the girder hanger pins, assessed the different brake systems for the bridge and developed mechanical and electrical contract documents for various repairs as well as provided construction monitoring services. Mr. Miller assisted with the CE&I services.</p>

NAME: James W. H. Costigan, PE	TITLE: Senior Engineer - Field Services	FIRM EMPLOYED BY: Modjeski and Masters, Inc.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 10		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 0	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2015 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: PE.44328 / LA / 9-30-2025		YEAR REGISTERED: 2020	DISCIPLINE: Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Inspector-Certified / Specialized Electrical Inspections and Reporting			
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	Mr. Costigan joined M&M in 2015 and has worked on bridges in 20 states, four countries, and three continents and has worked on 15 bridges spanning the Mississippi River. His experience includes serving as a team leader for major river crossing and movable bridge inspection, rehabilitation design and construction engineering and inspection. His certifications include: NBIS 130055, 130053, and 130078, Level II Liquid Penetrant and Magnetic Particle Inspection; SPRAT Level II Certified, ATSSA TCT and TCS, and FAA Part 107 (UAV/Drone) certification. Mr. Costigan will serve as a CE&I inspector for this project for specialized electrical inspections.		
02/23 – 08/23	St. Claude Strauss Trunnion Bascule Rehabilitation. New Orleans, LA Port of New Orleans – This project includes mechanical and structural rehabilitation of the St. Claude Avenue Bridge over the IH-NC in New Orleans, LA. M&M prepared bid documents and providing construction monitoring and inspection services for the repair of the 2nd Link Pin of the St. Claude Avenue Bridge. Mr. Costigan was the Inspector for the St. Claude Bascule Bridge 2nd Link Joint Rehabilitation project, serving as the main point of contact between the Owner, the Contractor, and the Engineer throughout construction. Mr. Costigan oversaw construction operations, performed hands-on inspection, assisted in submittal reviews, coordinated RFI Responses, attended progress meetings, and processed project documentation including Contractor pay applications, change orders, and close-out documents.		
07/19 - 04/21	I-74 Mississippi River Bridge Arch Design and Construction. Bettendorf, Iowa and Moline IDOT / IIDOT – The I-74 corridor in the Quad Cities is approximately seven miles long and crosses the Mississippi River between Bettendorf, Iowa and Moline, Illinois. A new I-74 river crossing was recommended and a basket handle true arch bridge was chosen for the crossing. M&M, as part of the Alfred Benesch team, was chosen to develop the bridge design criteria with emphasis on LRFD; develop arch superstructure and grade separation design; and perform peer review of arch substructure design. M&M also provided construction related engineering support by responding to RFIs & Shop Drawings, performing site visits, and attending meetings with the clients and/or the Contractor. Mr. Costigan served as a liaison to the design team providing a link for communication between the construction engineers, inspectors, and client during arch erection. Mr. Costigan represented Modjeski and Masters during weekly progress meetings and other task force meetings throughout the project.		



07/19 - 10/19	<p>UPRR West Colton Turntable Replacement. Los Angeles, CA Union Pacific Railroad – M&M provided plans and specifications for the replacement of the West Colton diesel shop transfer table in Los Angeles, CA. The project included structural, mechanical and electrical work. Mr. Costigan was responsible for the on site shop construction engineering and inspection for the fabrication and erection of the transfer table. This work included structural and mechanical fabrication, and structural and mechanical erection. Mr. Costigan was responsible for submittal review, RFI review, daily and weekly reports, and overall project documentation.</p>
10/18 - 03/19	<p>Sunshine Bridge Collision – Emergency Response. Donaldsonville, LA LADOTD – The Louisiana Route 70 Sunshine Bridge is a steel cantilever through truss bridge that carries four lanes of traffic over the Mississippi River near Donaldsonville, LA. The three main truss spans are each about 800 feet in length and provide up to 133 feet in vertical clearance above high water. On October 12, 2018, a barge mounted crane was traveling upstream in the western most channel of the river. There was insufficient clearance as the barge passed underneath the bridge, and the back-stay of the crane impacted the downstream bottom chord of the truss. The impact caused significant damage to a bottom chord member, tearing off the bottom plate of the box member and inducing severe out of plane distortion. The member in question was a primary load path compression member, designed to carry 1,700 kips of dead load. LADOTD closed the bridge to traffic directly after the incident and engaged Modjeski and Masters to perform an emergency hands-on inspection using technical rope access techniques. With the damage documented, work on repair concepts began. Mr. Costigan was instrumental in the inspection of the damage as well as the construction engineering and inspection of the repair efforts.</p>
04/16 - 01/17	<p>St. Claude Avenue Bridge - Grating Replacement. New Orleans, Louisiana Port of New Orleans – M&M prepared contract documents and provided construction monitoring for the replacement of the open grid deck on the outboard lanes of the St. Claude Avenue Bridge. The grid deck was approaching the end of its service life and replacement was warranted. M&M researched alternate available grid decks to select given the dimensions, capacity, design and connection details and weight. Mr. Costigan was the Resident Structural Engineer. During this project, Mr. Costigan monitored and oversaw construction, reviewed submittals, wrote RFI Responses, attended progress meetings, wrote and reviewed punch lists, lead the project final walkdown, and reviewed project close-out documents and pay estimates.</p>
11/16 – 09/18	<p>Seabrook Bridge Floor System Replacement & Link Pin Joints Emergency. New Orleans, LA Port of New Orleans – M&M prepared the plans and specifications to replace the railroad floor system between the trusses of the Seabrook Railroad Bridge for the Port of New Orleans as well as emergency repair plans for the 1st and 2nd link pins. M&M also developed the sequence of construction to minimize the impacts to the rail and marine traffic as well as maintain the span balance throughout construction. Mr. Costigan was the Resident Structural Engineer. During this project, Mr. Costigan monitored and oversaw construction, assisted in submittal reviews, wrote RFI Responses, attended progress meetings, wrote and reviewed punch lists, lead the project final walkdown, and reviewed project close-out documents.</p>

NAME: Jonathan E. Gerhart, PE	TITLE: Senior Project Manager - Electrical	FIRM EMPLOYED BY: Modjeski and Masters, Inc.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 15		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 12	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 1998 / Electrical Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: PE.43052 / LA / 3-31-2027		YEAR REGISTERED: 2018	DISCIPLINE: Electrical
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Lead Electrical Engineer MPR 5, 6 / Lead Electrical Engineer & SME			



EXPERIENCE DATES	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT
27 Years of Experience	Mr. Gerhart joined the firm in 2010 and is a Project Manager in Modjeski and Masters' Electrical Engineering Section. He has over 27 years of experience in the design of electrical distribution systems, control systems and safety systems, including roadway lighting systems. Having over 10 years of experience on LADOTD Roadway Lighting Projects, Mr. Gerhart is experienced with photometric analysis and roadway lighting design (both HPS and LED), including inspections, construction support, and troubleshooting. He has expertise in all matters related to lighting systems and has served as Lead Design Engineer for numerous LADOTD roadway lighting projects, developing evaluations, recommendations, cost estimations, and value engineering with LADOTD electrical staff. Mr. Gerhart fulfills MPR #5 and #6 and will serve as the Lead Electrical Engineer for this project.
03/23 – 03/25	US 90-Z CCC Decorative Lighting, New Orleans, LA LADOTD – M&M was contracted by LADOTD for the design of the proposed Dynamic Decorative Lighting System to be installed on the two Crescent City Connection (CCC) Bridges over the Mississippi River in New Orleans, LA. (CCC #1 & CCC #2). The proposed decorative lighting system will include remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers and would be on both the upriver and downriver sides of the two superstructures. Project was on an expedited schedule. M&M was responsible for preparing the final construction plans and specifications, Level 4 Transportation Management Plan (TMP) and coordinating USCG approval. Mr. Gerhart served as Project Manager and Lead Electrical Engineer for the Decorative Lighting Design.
07/20 - 01/24	I-10 Atchafalaya Bridges Navigation Lighting Replacement LADOTD – M&M provided navigation lighting design and inspection access design services for the West Atchafalaya Floodway bridges, Atchafalaya River bridge and the Whiskey Bay Pilot Channel bridge. M&M provided electrical plans for the removal and replacement of the marine navigation lights and removal of unnecessary or damaged existing or temporary navigation lighting system components. Plans included service points, lighting controllers/panels, disconnects, receptacles, pull boxes, conduit and luminaires. Mr. Gerhart was the lead electrical engineer for this project and led all inspection efforts during design and construction support activities.
04/22 – 05/22	Almonaster Bridge Electrical Review. New Orleans, LA Port of New Orleans – Mr. Gerhart was the project manager and lead reviewer for this work. This project involved reviewing the 90% Electrical drawings completed by others for the renovation of the Almonaster Avenue Bridge. Modjeski and Masters provided high-level review and markup of comments of the Almonaster Bridge Rehabilitation 90% electrical design including electrical plans, electrical calculations, electrical specifications, interface between the electrical and other systems and compliance with the design scope of work. M&M also ensured that the electrical design was in conformance with standard LADOTD movable bridge projects.

06/21 - 04/22	<p>Construction Support for North Draw Bascule. New Orleans, LA Norfolk Southern Railroad – Mr. Gerhart led all efforts related to the construction support for electrical items. Modjeski and Masters provided construction support for the Norfolk Southern Railway Bridge NO-173-30 Rolling Bascule over Lake Pontchartrain in New Orleans. M&M attended the pre-bid meeting on site to assist NSRR with any questions from potential contractors. During construction, M&M reviewed contractor's procedures, qualifications, submittals, RFIs and final as-built drawings. M&M also coordinated with the United State Coast Guard on behalf of NSRR with respect to traffic at field request. In addition, M&M provided numerous on-site quality inspections during construction.</p>
12/19 – Ongoing	<p>H.011137.5 Lighting Engineering Design Services for I-12: LA 1077 to US 190. Covington, LA LADOTD – As part of an overall interstate widening project, M&M provided an investigation for a future roadway lighting system along I-12 in St. Tammany Parish. M&M provided an illumination analysis per LADOTD standards for a complete lighting design at the I-12 at LA 1077, I-12 at LA 21, I-12 at Pinnacle Pkwy, and I-12 at US 190 interchanges. M&M provided plans and specifications for lighting and electrical equipment to accommodate installation of a future lighting system as well as plans and specifications for a new navigation lighting design on the widened Tchefuncte River Bridge. M&M is currently providing construction related engineering services for this project. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performs field inspections during construction and works directly with LADOTD electrical engineers.</p>
09/18 – 12/22	<p>US 11 Bridge Rehabilitation – Construction Support, New Orleans, LA LADOTD – Mr. Gerhart was the lead electrical engineer for the project. He started with the initial scoping inspection and electrical repair recommendation report. During the design phase, Mr. Gerhart led the electrical team. The entire electrical system was replaced, and Mr. Gerhart designed the relay-based control that interfaced with the new hydraulic machinery. He also designed the power distribution including a new generator. One challenge faced during the electrical design was routing the conduits to maintain the historical look of the bridge. The solution was to route the conduits under the new structures and through the interior of the bascule pier to minimize the visual impact to the bridge. Mr. Gerhart continued to support the project during construction through reviewing submittals, responding to RFI's, and performing construction progress inspections and the final acceptance testing and inspection. M&M led a team providing structural, mechanical, electrical, and architectural rehabilitation services to extend the service life of the US 11 North and South bascule spans. The North bascule span is the only routinely operated span. In addition to repairs and improving the structural capacity to eliminate the weight posting of the bridge, the operator's house will be enlarged, and the span converted to hydraulic operation. The South bascule span is only opened manually (with a crane) when access is needed to service electrical utility lines crossing the lake. The span toes will be replaced to improve the structural capacity to eliminate the weight posting of the bridge. The operator houses will be rehabilitated to retain their historic appearance. The bascule spans comprise the largest spans (149') of the overall 4.7-mile bridge over Lake Pontchartrain. M&M also provided construction support for this rehabilitation.</p>
01/15 – 07/16	<p>West Larose Vertical Lift Construction Services, Larose, LA LADOTD – Mr. Gerhart reviewed submittals and answered contractor RFIs. This project involved the performance of a structural, mechanical, electrical, and architectural rehabilitation of this bridge to extend the service life for a minimum of 30-40 years. Constructed in 1961, the bridge is a vertical lift movable bridge that spans the Intracoastal Waterway at Larose, Louisiana. In addition, during the construction phase of this project, M&M is reviewing shop drawings, responding to RFI's, and other submittals as part of the rehabilitation of this vertical lift bridge.</p>

NAME: Erin Clay Rodgers, PE	TITLE: Engineer - Electrical	FIRM EMPLOYED BY: Modjeski and Masters, Inc.	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 8		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 0	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2017 / Mechanical and Electrical Concentrations			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: PE.093241 / PA / 9-30-2025		YEAR REGISTERED: 2022	DISCIPLINE: Electrical
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer - Other / Engineering Support & Electrical SME			



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. Rodgers joined Modjeski and Masters, Inc. as an engineer in training in 2017 following her graduation from Elizabethtown College with a Bachelor of Science in Engineering. Ms. Rodgers serves as an Electrical Engineer E4 for the Electrical section and has been involved in design and inspection of several movable bridges during her time with the firm. She also has significant experience with roadway lighting design, tunnel lighting design and utility coordination projects.
03/23 – 11/23	US 90-Z CCC Decorative Lighting, New Orleans, LA LADOTD – M&M was contracted by LADOTD for the design of the proposed Dynamic Decorative Lighting System to be installed on the two Crescent City Connection (CCC) Bridges over the Mississippi River in New Orleans, LA. (CCC #1 & CCC #2). The proposed decorative lighting system will include remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers and would be on both the upriver and downriver sides of the two superstructures. Project was on an expedited schedule. M&M was responsible for preparing the final construction plans and specifications, Level 4 Transportation Management Plan (TMP) and coordinating USCG approval. Ms. Rodgers was part of the initial site inspection of the existing lighting system.
12/20 – 08/23	I-20 Rehabilitation (Pine Road to I-220), Shreveport, LA LADOTD – M&M was selected to develop roadway lighting plans to accommodate future interstate median lighting and to relocate any existing light poles in conflict with reconfigured on and off ramps. Ms. Rodgers is working under the direction of a senior engineer to design a preliminary roadway lighting system for the I-20 widening project. She is performing a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs. She will use the final approved photometric analysis report to generate final plans and specifications.
12/19 - 08/22	I-12: LA 1077 to US 190, Covington, LA LADOTD – As part of an overall interstate widening project, M&M provided an investigation for a future roadway lighting system along I-12 in St. Tammany Parish. M&M provided an illumination analysis per LADOTD standards for a complete lighting design at the I-12 at LA 1077, I-12 at LA 21, I-12 at Pinnacle Pkwy, and I-12 at US 190 interchanges. M&M provided plans and specifications for lighting and electrical equipment to accommodate installation of a future lighting system as well as plans and specifications for a new navigation lighting design on the widened Tchefuncte River Bridge. M&M is currently providing construction related engineering services for this project. Ms. Rodgers performed photometric analysis and assisted in final electrical plan development.

10/17- 12/21	<p>I-10: E. Jct. I-49 to LA 328 Lighting, Lafayette and St. Martin Parishes, LA LADOTD – M&M was selected to prepare final plans, specifications, photometric calculations, and a construction cost estimate for the I-10 at I-49 to LA 328 Interchange Lighting. M&M will be working closely with local government agencies and utility companies to provide an optimum, low-maintenance lighting system. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the roadway lighting design for the I-10 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor.</p>
10/17 – 09/20	<p>I-10: LA 347 to Atchafalaya Floodway Bridge Lighting, St. Martin Parish, LA LADOTD – M&M was selected to prepare final plans, specifications, photometric calculations, and a construction cost estimate for the I-10 @ LA 347 Interchange which consists of two roundabouts. M&M worked closely with local government agencies and utility companies to provide an optimum, low-maintenance lighting system. Ms. worked under the direction of a senior engineer to review submittals for the roadway lighting design for the I-12 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor.</p>
01/18 - 05/19	<p>I-10: Texas State Line to East of Coone Gully Lighting Design, Calcasieu Parish, LA LADOTD – Ms. Rodgers worked under the direction of a senior engineer to design a roadway lighting system for I-10 widening project near Coone Gully, Louisiana. She completed a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs. Ms. Rodgers also worked to develop complete lighting plans for the project including plan layouts, pole schematics, and equipment detailing.</p>
10/17 - 04/19	<p>I-12 LA 447 (Walker) Lighting Interchange, Livingston Parish, LA LADOTD – M&M was selected to prepare final plans, specifications, photometric calculations, and a construction cost estimate for the I-12 at LA 447 Interchange which includes two roundabouts. M&M worked closely with local government agencies and utility companies to provide an optimum, low-maintenance lighting system. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the roadway lighting design for the I-12 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor.</p>
07/18 - 07/19	<p>I-49 South at Verot School Road - Preliminary Lighting Plans, Lafayette Parish, LA LADOTD – Ms. Rodgers worked under the direction of a senior engineer to design a preliminary roadway lighting system for the new interchange to be built at the intersection of I-49 and Verot School Rd near Lafayette, Louisiana. She completed a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs.</p>

17. Firm Experience

FIRM NAME: Royal Engineers and Consultants, L.L.C.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): CE&I/OV
PROJECT NAME: Crescent City Connection Decorative Lighting Project	FIRM RESPONSIBILITY (PRIME OR SUB): Sub
PROJECT NUMBER: H.015504.6	OWNER'S NAME: DOTD
PROJECT LOCATION: New Orleans, LA	OWNER'S PROJECT MANAGER: Corbett Hollier, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: 2001 Mardi Gras Blvd. New Orleans, LA 70114; (504) 376-0210; corbett.hollier@la.gov	
SERVICES COMMENCED BY THIS FIRM: 05/24	TOTAL CONSULTANT CONTRACT COST: \$392
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$392

As part of infrastructure improvements in New Orleans in preparation for the 2025 Superbowl, DOTD is installing a new decorative lighting system for the Crescent City Connection bridge. The system features LED lights on the trusses of the bridges and lights illuminating the piers. The original decorative lighting system was installed in 1987, a gift of the Young Leadership Council of New Orleans through a major capital fundraising campaign. Eventually, damage from Hurricane Ida created electrical system surges that resulted in the immediate shortage of replacement bulbs. The only remaining options were the reconstruction of an outdated electrical grid or the complete overhaul to a new technology. A new LED system was chosen and installed. The \$20.7 million project is nearing completion. Royal served as a subconsultant to Gulf Engineers and Consultants (GEC), providing a project engineer, office manager, and resident Inspectors to assist with managing the project.

PROJECT DELIVERABLES:

- Review and coordination of RFIs, submittals, and document control
- Full-time resident construction engineering and inspection
- Daily reporting through DOTD software (Headlight, Sitemanager, Materials Manager)
- Review and approve monthly estimates and change orders
- Document, generate, and monitor NCR incident or other corrective items

KEY PERSONNEL:

- Alec Carter O'Brien, P.E., Project Engineer
- Gary Brouillette, Inspector - Lead
- Jeffery Monfrey, Inspector - Lead
- Meaghan Faherty, Project Office Manager

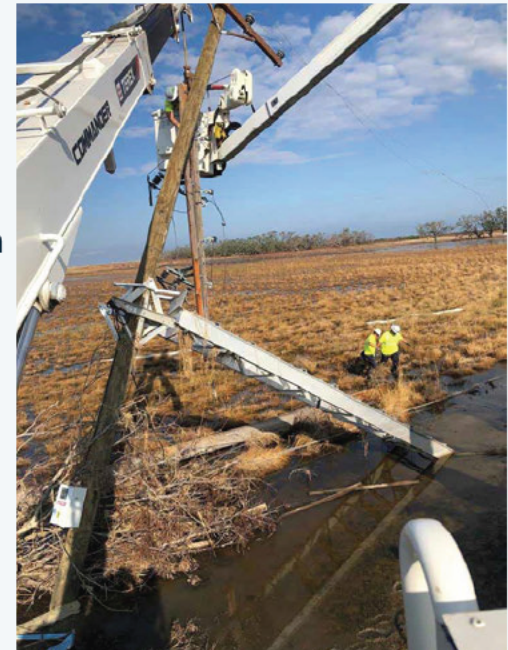


FIRM NAME: Royal Engineers and Consultants, L.L.C.	PAST PERFORMANCE EVALUATION DISCIPLINE(S)): CE&I OV
PROJECT NAME: JDEC Disaster Recovery CE&I Services	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: R2021-003-000	OWNER'S NAME: Jeff Davis Electric Cooperative, Inc.
PROJECT LOCATION: Southwest Louisiana Coastal Parishes	OWNER'S PROJECT MANAGER: Mike Heinen, CEO
OWNER'S ADDRESS, PHONE, EMAIL: P.O. Drawer 1229, 906 N. Lake Authur Avenue, Jennings, LA; (337)824-4330; mheinen@jdec.coop	
SERVICES COMMENCED BY THIS FIRM: 09/20	TOTAL CONSULTANT CONTRACT COST: \$2,900
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$2,900

Royal provides Program and Grant Management services for Jeff Davis Electric Cooperative, which was almost totally destroyed during Hurricane Laura in 2020. Royal provides a variety of services to JDEC, including large-scale CE&I services. Following the destruction of Hurricane Laura, Royal's CE&I team performed CE&I on hundreds of millions of dollars in construction projects designed to rebuild JDEC's transmission and distribution system. JDEC's transmission system previously consisted of a 69kV loop and a second 138kV transmission line. Both lines were necessary to meet the electrical needs of residents and industry before Hurricane Laura. After Hurricane Laura, JDEC upgraded its capacity. Royal performed CE&I for the following projects:

Electrical 230kV Transmission Line System Loop - Nearly 100% of both transmission lines were destroyed by Hurricane Laura. Following the event, Royal worked with JDEC to upgrade their system to a 230kV loop, eliminating the need for separate 138kV and 69kV lines. This project is currently under construction and utilizes galvanized steel structures with steel pile foundations and is designed to accommodate current codes, standards, and JDEC's 160 mph extreme wind load case. The system will be constructed through the marsh/farmland, populated areas, and will cross the Mermentau River, Calcasieu Ship Channel, and the Intracoastal Waterway.

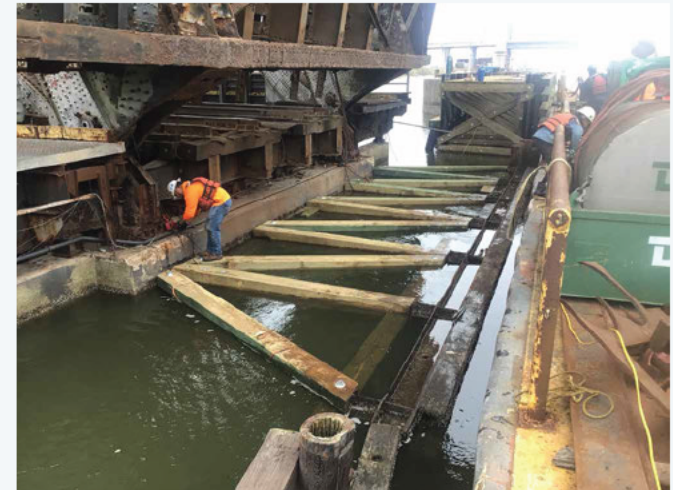
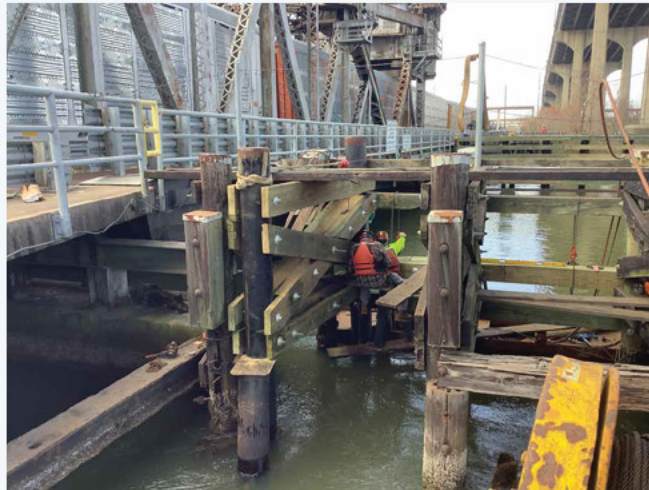
Electrical 230kV Substation System - There are 11 Substation sites along the 230kV loop requiring new construction or modifications to accommodate the 230kV transmission system. All substations currently exist at ground level and have been damaged by Hurricanes Rita, Ike, and Laura; therefore, the scope of this Construction Manager at Risk (CMAR) delivery includes elevating all substations to the 500-year base flood elevation. Royal is currently performing all Program Management activities for JDEC, including FEMA compliance and reimbursement coordination, management of the Engineer of Record through Preliminary and Final Design, and management of the CMAR Contractor.



FIRM NAME: Royal Engineers and Consultants, L.L.C.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): CE&I/OV
PROJECT NAME: Almonaster Avenue Bridge Dolphin and Fender Repairs	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: N/A	OWNER'S NAME: Port of New Orleans
PROJECT LOCATION: New Orleans, LA	OWNER'S PROJECT MANAGER: Hannah Leumas, PE
OWNER'S ADDRESS, PHONE, EMAIL: 1350 Port of New Orleans Place, New Orleans, LA; (985) 876-6880;	
SERVICES COMMENCED BY THIS FIRM: 10/23	TOTAL CONSULTANT CONTRACT COST: \$119
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$119

The project involves repairs to the dolphins and fenders of the Almonaster Avenue Bridge, located on the Inner Harbor Navigational Canal in New Orleans, Louisiana. Key repair activities include replacing missing and damaged fender timbers, timber piles, steel pipe piles, bents, wales, walkways, electrical components, navigational lights, and structural elements across various pier and fender systems, ensuring the structural integrity and operational safety of the bridge.

Royal's Services: Royal Engineers and Consultants, LLC, provides Construction Management (CM) and Resident Inspection (RI) services, covering both on-site and back-office support to oversee quality control, schedule adherence, and contract compliance. The CM services include document management, construction submittal management, schedule and financial tracking, change order assessments, pay application processing, and construction closeout. The RI services encompass daily field inspections, work progress tracking, quality assurance, utility coordination, and documentation of construction activities and unforeseen field conditions. This comprehensive oversight ensures the project aligns with design specifications and completes within the designated budget.



FIRM NAME: Royal Engineers and Consultants, L.L.C.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): CE&I/OV
PROJECT NAME: DOTD Audubon Ave Ovly: LA1 to Terrebonne P/L	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: H.013269	OWNER'S NAME: DOTD
PROJECT LOCATION: Terrebonne Parish	OWNER'S PROJECT MANAGER: Ryan Richard, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capitol Access Rd, Baton Rouge, LA; (225)379-1389; ryan.richard@la.gov	
SERVICES COMMENCED BY THIS FIRM: 02/25	TOTAL CONSULTANT CONTRACT COST: \$117,782
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$117

Royal will provide Construction Management, Contract Administration, and Construction Engineering & Inspections (CE&I) for a mill and overlay of 1.44 miles of an asphalt roadway. The project limits run from Audubon Avenue starting at LA 1 (East First Street) to the Terrebonne Parish line stopping at St. Louis Bayou. Royal will provide oversight of road construction and perform all CE&I deliverables. The area is partially residential and partially commercial, and the road serves a church and school facilities. The project includes over 22,000 Square yards of asphalt mill and overlay with a reinforced paving mat. Additionally, associated PCCP patching, ADA compliant curb ramps, thermoplastic traffic striping, and other various maintenance construction items.

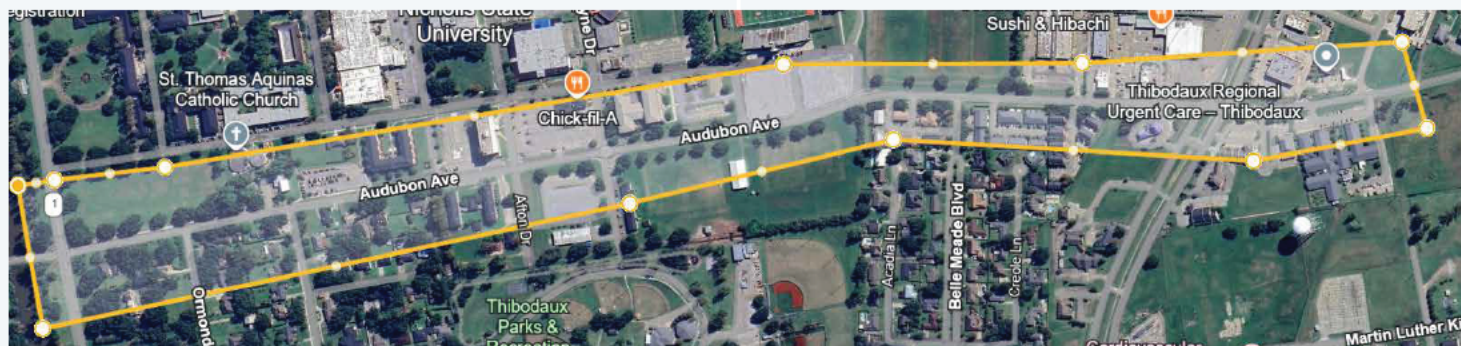
During construction, Royal will provide on-site full-time resident inspection, upload reports into the department's Headlight and Site Manager software. Royal will manage the pay estimates, change orders, field issues, and correspondence with all project members as the project progresses. Royal personnel will ensure that work is performed according to DOTD plans and specifications and will provide progress reports to the DOTD based on daily inspections. During Project Closeout, Royal will prepare the 2059 and other required turn-in documents.

Project Deliverables:

- Review and coordination of RFI's, submittals, and document control
- Full-time resident construction engineering and inspections
- Daily reporting to DOTD via Headlight, Site Manager, Materials Manager)
- Review and approve monthly estimates
- Review and approve change orders
- Document, generate, and monitor NCR incident or other corrective items

Key Personnel:

- Alec Carter O'Brien, P.E., Project Engineer
- Jeffery Monfrey, Inspector-Certified
- Meaghan Faherty, Project Office Manager



FIRM NAME: Royal Engineers and Consultants, L.L.C.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): CE&I/OV
PROJECT NAME: US 90Z Harvey Canal Tunnel Rehabilitation (CE&I)	FIRM RESPONSIBILITY (PRIME OR SUB): Sub
PROJECT NUMBER: H.010673	OWNER'S NAME: DOTD
PROJECT LOCATION: Jefferson Parish	OWNER'S PROJECT MANAGER: Corbett Hollier, PE
OWNER'S ADDRESS, PHONE, EMAIL: 2001 Mardi Gras Blvd. New Orleans, LA 70114 (504) 376-0210 corbett.hollier@la.gov	
SERVICES COMMENCED BY THIS FIRM: 06/23	TOTAL CONSULTANT CONTRACT COST: \$728.6
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$728.6

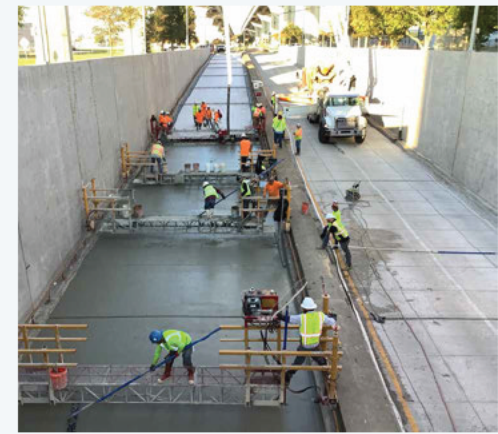
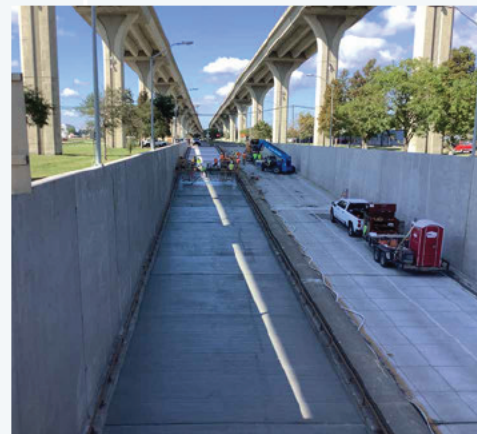
GEC is the Prime consultant providing CE&I scope, and Royal is a subconsultant providing inspection services and construction engineering oversight of field activities for the complete rehabilitation of the Harvey Canal Tunnel and its approaches along US 90Z in Jefferson Parish. Total project size is estimated to be upwards of \$50 million. The rehabilitation includes new tile lining, drainage pumps, pavement, electrical, and ventilation systems. It was built in 1957 to go underneath the Harvey Canal on Old Business US 90. The tunnel has a length of 1,079 feet and four traffic lanes and was in critical need of rehabilitation. Royal assists with construction field records and maintaining the project diary. Resident inspectors check the contractor's construction operations to ensure that all work is performed in accordance with the plans and specifications, using approved materials. Royal maintains records of the construction operations, prepares monthly pay estimates within DOTD requirements.

PROJECT DELIVERABLES:

- Review and coordination of RFI's, submittals, and document control
- Full-time resident construction engineering and inspections
- Daily reporting through DOTD software (Headlight, Sitemanager, Materials Manager)
- Review and approve monthly estimates and change orders
- Document, generate, and monitor NCR incident or other corrective items

KEY PERSONNEL:

- Alec Carter O'Brien, PE
- Gary Brouillette
- Jeffery Monfrey
- Meaghan Faherty



FIRM NAME: Modjeski and Masters, Inc.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Other (Decorative Lighting)
PROJECT NAME: US 90-Z Crescent City Connection Decorative Lighting	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: H.015504.6	OWNER'S NAME: Louisiana Department of Transportation and Development
PROJECT LOCATION: Orleans and Jefferson Parishes, Louisiana	OWNER'S PROJECT MANAGER: Christina Brignac, PE
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capitol Access Road, Baton Rouge, LA, 70802 (225) 379-1394, christina.brignac@la.gov	
SERVICES COMMENCED BY THIS FIRM: 03/23	TOTAL CONSULTANT CONTRACT COST: \$805
SERVICES COMPLETED BY THIS FIRM: 03/25	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$726

Modjeski and Masters provided design services for, but not limited to, the following: plans, specifications and special provisions, construction estimate, illumination analysis, and engineering calculations for the replacement of the existing decorative lighting system on the Crescent City Connection Bridges in New Orleans, LA. The proposed decorative lighting system included remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers on both the upriver and downriver sides of the two superstructures. Construction was completed by December 2024 and the lighting was fully operational by the 2025 Super Bowl held on February 9, 2025, in New Orleans, LA.

Project Features:

- Plans, technical special provisions, and cost estimate for the removal of the existing decorative lighting system on both bridges.
- Plans, technical special provisions, and cost estimate for a new dynamic LED decorative lighting system on both bridges. This system is to include LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers.
- Identification of all existing electrical systems installed on the bridges.
- Technical special provisions for the repair of existing bridge coating damaged during construction.
- Traffic control plans for single and double lane closures with temporary precast barriers
- Assist DOTD in obtaining necessary Coast Guard permits during the design phase.
- Assist DOTD in obtaining an operation and maintenance agreement with the local entities.
- Bidding assistance, including responding to Bidder Questions in Falcon and Bid Review.
- Prepare Transportation Management Plan (TMP)
- Construction Related Engineering Services including shop drawing/submittal review, RFIs, progress field inspections and final inspection

Key Personnel: Cullen J. Ledet, PE, Joseph G. Strenkoski, PE, Jonathan E. Gerhart, PE, Newell H. Schindler, PE, Justin M. Guillot, PE, Erin N. Rodgers, PE



FIRM NAME: Modjeski and Masters, Inc.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): CE&I/OV
PROJECT NAME: US 190 Mississippi River Bridge Cleaning, Painting and Repairs (Phases 1 and 2) CE&I	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: S.P. H.000343 / H.009943	OWNER'S NAME: DOTD
PROJECT LOCATION: East and West Baton Rouge Parishes, Louisiana	OWNER'S PROJECT MANAGER: Alden Allen
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capital Access Road, Baton Rouge, LA 70802, (225) 379-1563, alden.allen@la.gov	
SERVICES COMMENCED BY THIS FIRM: 06/12	TOTAL CONSULTANT CONTRACT COST: \$5,274
SERVICES COMPLETED BY THIS FIRM: 06/18	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$4,326

M&M was retained by the LADOTD to provide construction contract administration and construction engineering and inspection services required during the repairs to the US 190 Mississippi River Bridge in Baton Rouge, Louisiana. This 1940's bridge carries a single track within trusses, and two 12' highway lanes bracketed on each side. The structure suffered from extensive corrosion from adjacent industries. M&M provided Contract Management and CE&I services required for the completion of assorted repairs /replacement of elements in the steel approach spans and main span as well as concrete patching, fiber reinforcing, navigation light repair, guard rail replacement and miscellaneous pavement repair. The project also provided environmental monitoring and CE&I services for the cleaning and repainting of the structure.

Project Features:

- Construction Contract Administration and CE&I Services
- Coordinate and Attend Pre-Construction Meeting
- General administration including reports and records of contractual operations, pay estimates, weekly progress reports, etc.
- Maintain all construction field records; make daily diary entries to indicate personnel present on job site, equipment being utilized, work being accepted, and charging of contract time
- Collect and submit all sampled materials for testing
- Collect and submit all sampled materials for testing
- Review Contractor's compliance with plan submittals
- Review Contractor's QC Plan
- Verification of Construction Layout
- Process Change Orders
- Monitor and Document all claims
- Ensure compliance with all DEQ, USCOE and USCG Requirements
- Maintain As-Built Plans

Key Personnel: Zolan Prucz, PE, PIC, Ralph Eppehimer, PE, Project Manager, Michael Beitzel, NACE, John Coon, NACE Inspector



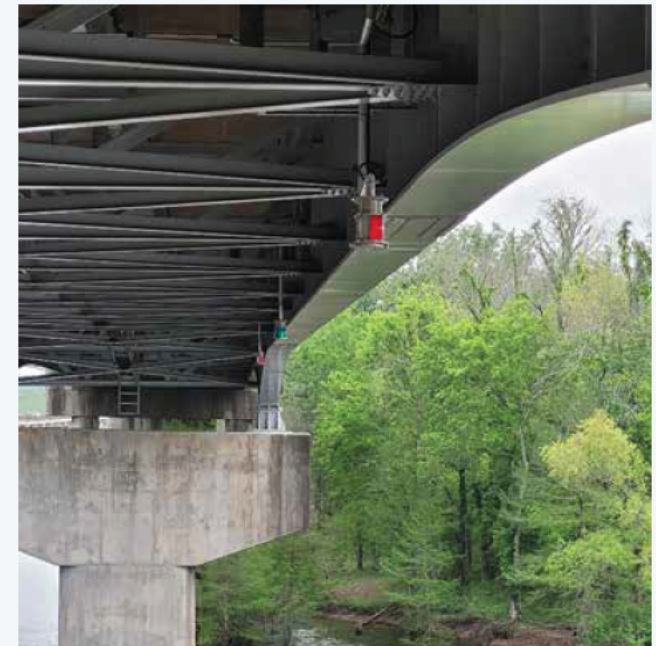
FIRM NAME: Modjeski and Masters, Inc.	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Other (Navigation Lighting)
PROJECT NAME: I-10 Atchafalaya Bridges Navigation Lighting Replacement	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: H.014212	OWNER'S NAME: DOTD
PROJECT LOCATION: St. Martin and Iberville Parishes, Louisiana	OWNER'S PROJECT MANAGER: Amanda Ranck, PE
OWNER'S ADDRESS, PHONE, EMAIL: 1201 Capital Access Road, Baton Rouge, LA 70802, (225) 379-1338, Amanda.Ranack@la.gov	
SERVICES COMMENCED BY THIS FIRM: 07/20	TOTAL CONSULTANT CONTRACT COST: \$327
SERVICES COMPLETED BY THIS FIRM: 04/23	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$327

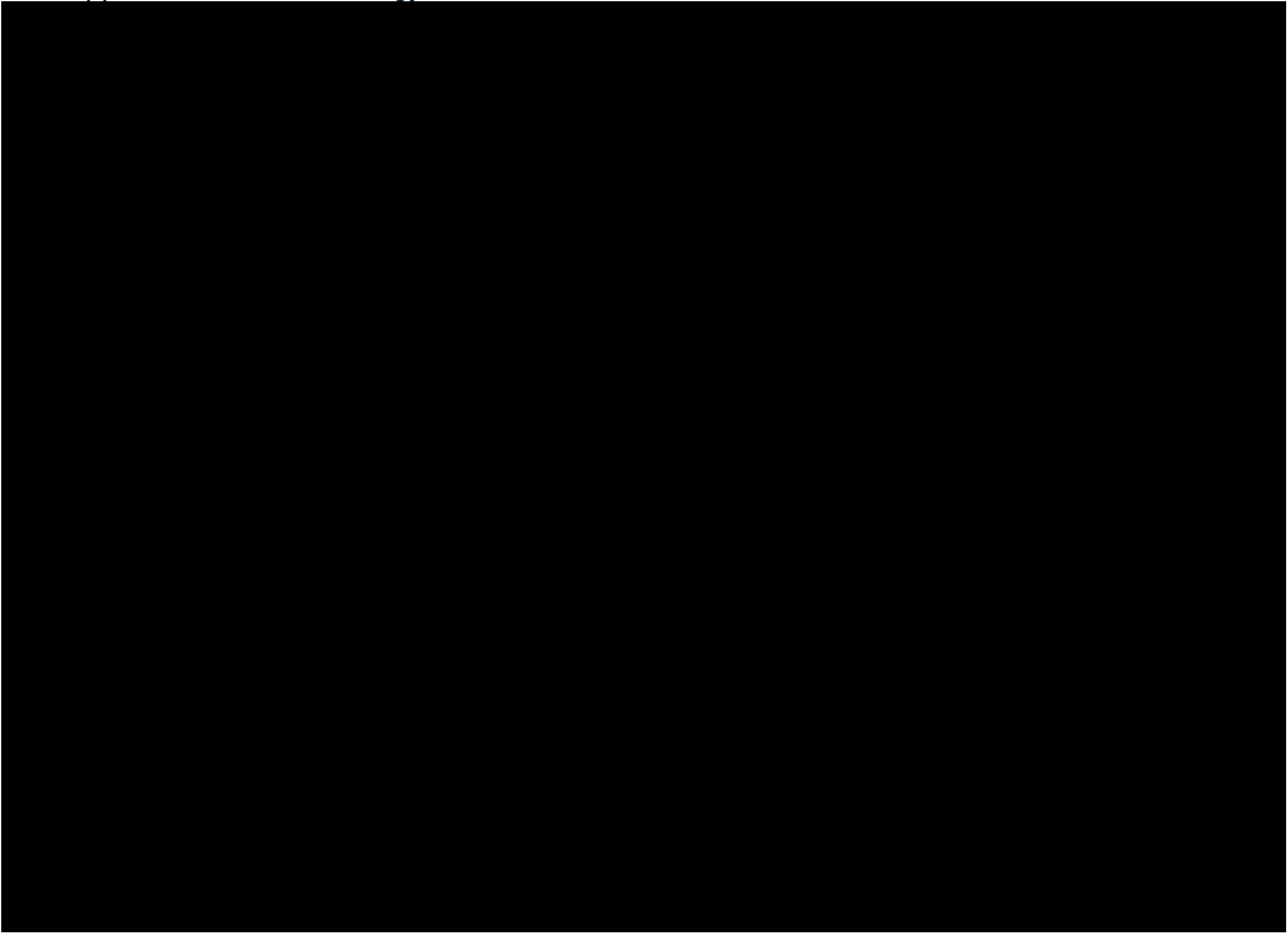
Modjeski and Masters provided navigation lighting design and inspection access design services for the West Atchafalaya Floodway bridges, Atchafalaya River bridge and the Whiskey Bay Pilot Channel bridge. M&M provided electrical plans for the removal and replacement of the marine navigation lights and removal of unnecessary or damaged existing or temporary navigation lighting system components. Plans included service points, lighting controllers/panels, disconnects, receptables, pull boxes, conduit and luminaires. All new equipment and design conformed to LADOTD Electrical Plan Layout and Presentation, NFPA 70, NFPA 70E, CFR Title 33 "Navigation and Navigable Waters" Chapter I "Coast Guard, Department of Homeland Security", Subchapter J "Bridges", Part 118 "Bridge Lighting and Other Signals".

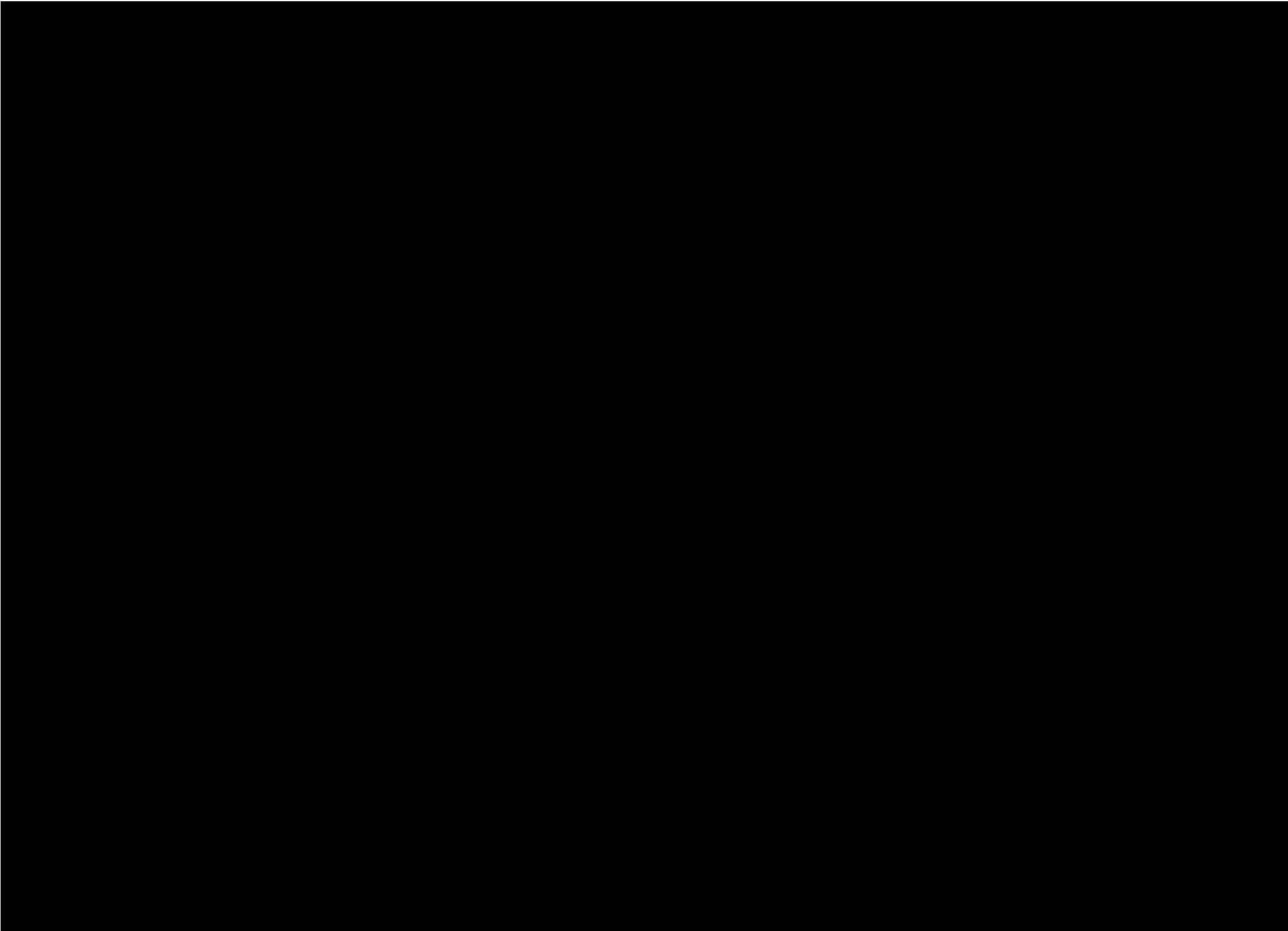
Project Features:

- Plans, technical special provisions, and cost estimate for the removal of the existing navigation lighting system on all bridges.
- Plans, technical special provisions, and cost estimate for installation of new navigation lighting system on all bridges.
- Identification of all existing electrical systems installed on the bridges.
- Traffic control plans for a lane and shoulder closure.
- Assist DOTD in obtaining necessary Coast Guard permits during the design phase.
- Assist DOTD in obtaining an operation and maintenance agreement with the local entities.
- Bidding assistance, including responding to Bidder Questions in Falcon and Bid Review.
- Construction Related Engineering Services including shop drawing/submittal review, RFIs, progress field inspections and final inspection

Key Personnel: Cullen J. Ledet, PE, Jonathan E. Gerhart, PE, Justin M. Guillot, PE, Erin N. Rodgers, PE, Seth Cummings











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
		4400029889 / H.013269.6	Audubon Ave Overlay	\$117,000
Modjeski and Masters, Inc.	Bridge	4400005395, JN 3144	Country Estates Dr. Over St. Louis Bayou	\$799
		4400017263 / H.014280.5	Bayou Ramos Bridge Girder Study	\$38,864
		4400017263 / H.014587	LA 302: Kerner Ferry Bridge Repairs PH 2 - Constr	\$62,235
		4400017263 / H.014465.5	Perry Bridge Rehabilitation - Final Design (Supplement 2)	N/A
		4400017263 / H.004647.6 (T.O. 1)	I-20 MS River Bridge at Vicksburg, - Monitoring	\$14,762
		4400017263 / H.015028.6	Bayou Barataria Bridge MB Replacement - Phase I	\$109,501
		4400017263 / H.001234.6	LA 1 Port Allen Bridge - Geotech Settlement Remediation	\$48,337
		4400017263 / H.010882.6	LA18: 4th Street Bridge Rehabilitation Construction	\$15,272
		4400017263 / H.011705.6	US 11 Lake Pontchartrain Bridge Rehabilitation - Ph2	\$17,860
		4400017263 / Contract 44-29193 H.004100.5/H.004100.6	Subconsultant: LA 415 to Essen Lane on I-10 and I-12 Segment 1 Task 2	\$980,863
		4400017263 / Contract 44-21128 H.014258	Subconsultant: LA 1: Port Allen Canal Bridge Replacement - Phase 2 CRES	\$663,272
		4400020063 / Contract 44-20156 H.011965.6	Subconsultant: LA 47 IWGO Bridge Rehab CRES	\$102,532
		4400024187 / H.015115.5	LA 24 over ICWW Repair	\$47,221
		4400024187 / H.011137.6	I-12: LA 1077 to LA 21	\$108,643
		4400024187 / H.002980.6 -Task Order 9	I-10 Overpass Over US 165 & MP RR	\$60,775
		4400024187 / H.014998.6 -Task Order 10	West Larose Lift Bridge Rehabilitation - Final Design	\$211,551
		4400024187 / H.014998.6 -Task Order 11	West Larose Lift Bridge Rehabilitation - CRES Close Out	\$80,092
		4400024187 / H.015826.5	I-20 Vicksburg Span Jacking	\$20,267
		4400024187 / H.001271.5	Cane River Bridge Navigation Lights	\$200,373
		4400024187 / H.014609.1	Cameron Ferry Landing Replacement	\$238,269
		4400024187 / Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road	\$2,979
		4400024187 / Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road (Supplement 5)	\$290

19. Workload

Modjeski and Masters, Inc.	Bridge	4400021593 / H.009859.5	Bridge Load Rating (Task Order 1)	\$797,924
		4400021593 / Contract 44-22581 H.011221.5	I-10: N.O. CBD3 (Poydras - Louisa)	\$102,181
		4400021593 / Contract 44-22581 H.011222.5	I-10: N.O. CBD4 (Louisa - I510)	\$412,344
		4400021593 / Contract 44-23512; Task Order No. 1	Subconsultant: I-10 Calcasieu Bridge Inspection 2023	\$15,614
		4400021593 / Contract 44-23512; Task Order No. 3	Subconsultant: GNO 1 & 2 MRB- Inspection 2024	\$25,154
	CEI/OV	4400027614 / H.011487.6	LA 182: Berwick Bay Bridge Rehabilitation	\$2,092,500
		4400024187 / H.003144.6	MRB (Luling) CEI of Latent Defects	\$3,699
	Other (Roadway Lighting)	4400005395 / H.004791	Subconsultant: Belle Chasse B7T Replacement P3 - Electrical and Structural	\$7,429
		4400017263 / H.003184.6	I-10: Texas State Line - E. of Coone Gully - CRES	\$37,494
		4400017263 / H.012889.6	I-20 Rehab (Pines Road to I-220) Bossier City Lighting CRES	\$117,534
		4400020063 / H.014646	I-20: US 165 to Garrett Road Lighting	\$33,061
		4400020063 / H.014555.5	I-10 at LA109 Interchange Lighting (Toomey)	\$97,660
		4400020063 / H.015019.5	I-10 at LA3063 Interchange Lighting (Vinton)	\$124,035
		4400020063 / H.015085.5	I-10 @ LA108 Interchange (Vinton) Lighting	\$104,024
		4400024187 / H.015504.6	CCC Decorative Lighting	\$19,314

ROYAL ENGINEERS AND CONSULTANTS, L. L. C.

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		

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 04/02/2015
(Trainer name --print or type) (Course end date)

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

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

Shawnita Dickens
Director of Training
New Orleans, LA
Location

ATSSA member training center (check only) verify your site equipment by ATSSA

This is to certify that
Alec O'Brien
has successfully completed the requirements for the
NRMCA Previous Concrete Certification Program,
and is duly recognized as a
Previous Concrete Technician

NRMCA
National Ready Mixed Concrete Association

March 11, 2021

Alec O'Brien
Rory Engineering
4298 Elysian Fields Ave.
New Orleans, LA 70122

Dear Alec:

Congratulations! This letter is to advise you that you have successfully passed the NRMCA's Previous Concrete Certification Exam conducted by the O'Brien on February 23, 2021, thereby earning your Previous Technician Certification. Your score for the written exam is as follows:

Previous Concrete Technician Exam Score 94%

The required passing score is 75%. Your Previous 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 as 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) 766-4554 or by email at alec@nrmca.org.

Sincerely,
Shawnita Dickens
Shawnita Dickens
Manager, Certification Programs

ENCLOSURE Previous Concrete Technician certificate

NTS
NATIONAL TRENCH SAFETY

CERTIFICATE
This card confirms that
Carter O'Brien
has attended the
Excavation Safety Competent Person Seminar

03/21/2015 Miguel Salinas
Date Instructor

Issued by: NTS Instructor

"THE TRENCH AND TRAFFIC SAFETY SPECIALISTS"

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 for traffic control and safety professionals. This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

ATSSA American Traffic Safety Services Association

This is to affirm that
Alec O'Brien
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date: 1/24/2025
Exp. Date: 1/23/2029
State Issued: Louisiana

ATSSA
Instructor Name
Instructor Signature
Verify at Flagger.com

A1000280997

CERTIFICATE OF COMPLETION
This Certification is hereby awarded to:

Alec O'Brien

OPERATOR SIGNATURE:

The above individual has completed course requirements in compliance with OSHA regulations under OSHA Code 29 CFR 1926.1370, and ANSI Standards A92.2 - 2006 and A92.5 - 2006

FALL PROTECTION

ON-SITE EVALUATION
100% (10/10/2025) (10/10/2025)

CERTIFICATION ID#

03/23/2025
COURSE COMPLETION DATE
03/23/2027
COURSE EXPIRATION DATE

OFFICIAL WALLET CARD
FALL PROTECTION

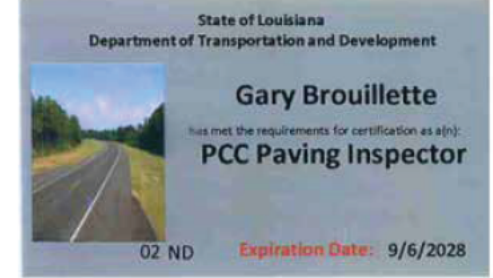
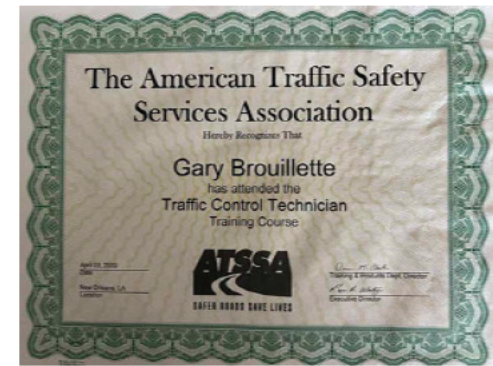
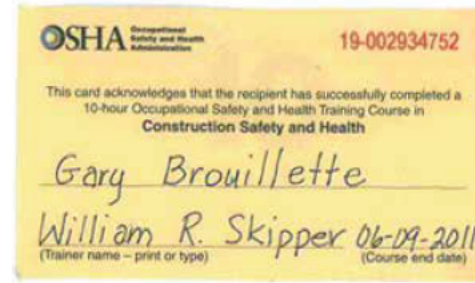
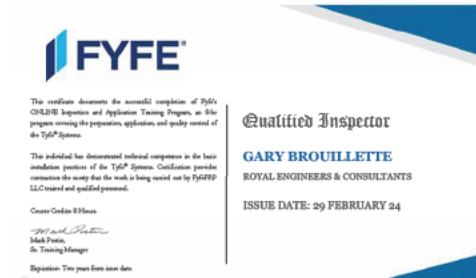
Certification ID# 10012100171-100-10001
Assessed 100%
Expires 03/23/2027
Operator Signature: Alec O'Brien
Instructor Signature: Shawnita Dickens
Instructor Title: Manager, Certification Programs

AMPP Certificate of Achievement
The Association for Materials Protection and Performance Recognizes

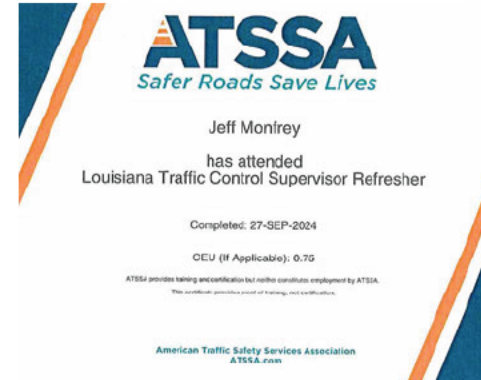
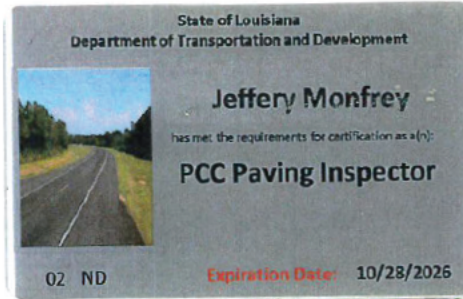
Alec Carter O'Brien
As a Certified
Bas c Coat ngs npector

Expires February 21, 2028
CH106124008

GARY BROUILLETTE



JEFFERY MONFREY





Research, Technology Transfer, Education & Training



Dunn, Chaz
: The Chief of the Department :
has successfully completed

2016 IIMA Paving Inspection
Specialty Area

On
March 27, 2023

96°C (lit. = 109°C)

State of Louisiana

Department of Transportation and Development



Awards this certificate to

Chaz Dunn

Successful Completion of the Requirements for Certification in Asphalt Concrete Paving Inspection

Krista Wa
Department Certifying Authority



Practical Skills Instruction for Nuclear Gauge Operators

In addition to completing the online training course in radiation safety and regulatory knowledge requirements, an individual must also receive hands-on training in the practical skills shown below in order to become certified as an authorized gauge operator. The hands-on training should be provided by the licensee's RSO or a certified gauge operator.

Setting up and making measurements

- Prepare site for direct transmission measurement and position gauge over hole
- Prepare backscatter measurement site and position the handle in the backscatter notch
- Unlock handle and lower source rod
- Maintain constant surveillance and control during gauge operations
- Return source rod to safe position and lock handle
- Verify shutter fully closed

Routine maintenance

- Disassemble sliding block
- Clean and lubricate of the sliding block using proper ALARA techniques to minimize radiation exposure
- Reassemble sliding block
- Clean the bottom surface of the gauge

Packaging and transporting the gauge

- Put gauge in shipping case
- Inspect shipping case
- Load shipping case in vehicle
- Secure the gauge using two independent physical controls
- Block and brace package against movement during transport
- Place shipping papers in designated location in vehicle

Storing the gauge

- Log the gauge in and out
- Secure the gauge storage area

Trainee:

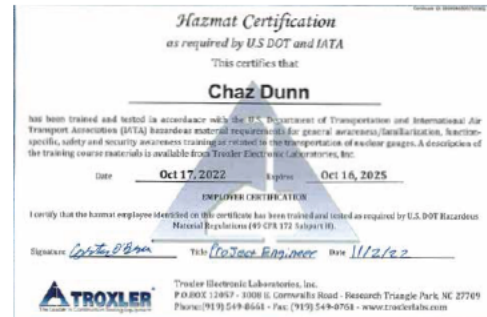
Name (print) Chaz D. Smith
Signature [Signature] Date 10-27-20

Trained by RSO or certified operator:

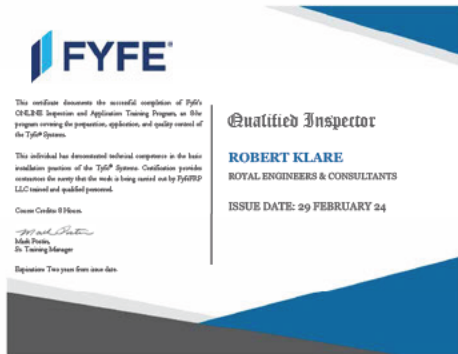
Name (print) Dean Bordelon
Signature Dean Date 10-27-20

Certified by licensee RSO:

Name (print) Dean Bordelon
Signature Dean Date 10-27-23



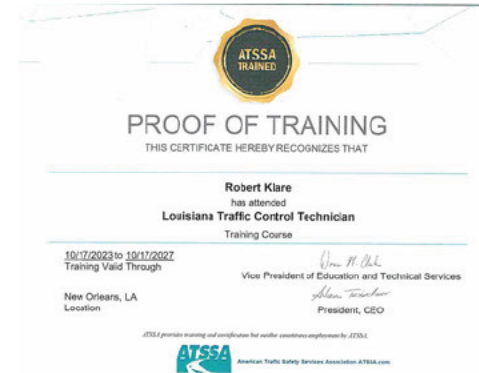
ROBERT KLARE, P.E.



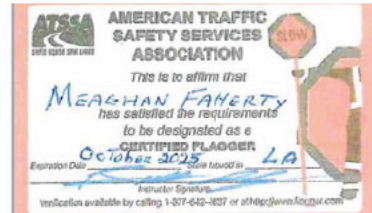
Qualified Inspector

ROBERT KLARE
ROYAL ENGINEERS & CONSULTANTS

ISSUE DATE: 29 FEBRUARY 24



MEAGHAN FAHERTY



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Name	Type	City	Status
MODJESKI AND MASTERS, INC.	Business Corporation (Non-Louisiana)	MECHANICSBURG	Active
Previous Names			
Business:	MODJESKI AND MASTERS, INC.		
Charter Number:	34396692F		
Registration Date:	12/27/1991		

ERIN CLAY RODGERS, PE

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

ERIN CLAY

Completion Date: March 16, 2021
CEU: 4 or 6 hours

John P. Roney
President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2020 NFPA 70: National Electrical Code (NEC) Online Training Series

ERIN CLAY

Completion Date: March 16, 2021
CEU: 1.0 or 10 hours

John P. Roney
President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.

JONATHAN GERHART, PE

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

JONATHAN GERHART

Completion Date: June 16, 2021
CEU: 4 or 6 hours

John P. Roney
President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.

NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2020 NFPA 70: National Electrical Code (NEC) Online Training Series

JONATHAN GERHART

Completion Date: April 16, 2021
CEU: 1.0 or 10 hours

John P. Roney
President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.

Clay is her maiden name.

JAMES COSTIGAN, PE

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

Rope Access Certification

SPRAT

Acknowledges that
JAMES COSTIGAN
has successfully completed the evaluation and written test in accordance with SPRAT's Rope Access Certification Requirements and is a certified
Level 2 Technician

SPRAT #106558
AWARDED: 07 December, 2024
Expires: 06 January, 2026

John P. Roney
SAFETY CERTIFICATION COMMITTEE CHAIR

John P. Roney
SAFETY CERTIFICATION COMMITTEE CHAIR

National Highway Institute

Certificate of Training

James W.H. Costigan
has participated in

FHWA-NHI-130055 Safety Inspection of In-Service Bridges

Georgia Department of Transportation

Date: September 28 - October 6, 2015
Location: Atlanta, GA
Hours of Instruction: 67 hours

John P. Roney, PE
Lead Coordinator

John P. Roney
Lead Coordinator

John P. Roney
Lead Coordinator

ATSSA
Safer Roads Save Lives

James Costigan
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 27-FEB-2025
CEU (if Applicable): 0.75

ATSSA provides training and certification for traffic control supervisors employed by ATSSA. This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

National Highway Institute

Certificate of Training

James Costigan
has participated in

FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges

Modjeski & Masters, Inc.

Date: November 18-December 03, 2021
Location: New Orleans, LA
Hours of Instruction: 25

John P. Roney
Instructor

John P. Roney
Instructor

John P. Roney
Instructor

National Highway Institute

Certificate of Training

James W. H. Costigan
has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

Texas Department of Transportation

Date: December 8 - 11, 2020
Location: Virtual Delivery, IX
Hours of Instruction: 18

John P. Roney
Instructor

John P. Roney
Instructor

John P. Roney
Instructor

Certificate of Achievement

This is to certify that
James William Henry Costigan
has successfully completed the
FAA Safety Team Aviation Learning Center Online Course
Part 107 Small Uas Recurrent

Course Number: ALC-677
Presented by: FAA/TTCN
May 3, 2024

Certificate Number: 1545780-20240503-00077

John P. Roney
FAA Aviation Safety

22. Sub-Consultant Information

FIRM NAME	ADDRESS	POINT OF CONTACT & EMAIL ADDRESS	PHONE NUMBER
Modjeski and Masters, Inc.	1100 Poydras Street Suite 900 New Orleans, LA 70163	Cullen J. Ledet, PE Vice President cjledet@modjeski.com	504-524-4344

