

OFF-SYSTEM HIGHWAY BRIDGE PROGRAM NORTH ACHORD RD OVER DRAINAGE BAYOU

Contract No. 4400030644 | State Project No. H.015977.5
April 10, 2025



Pictured: SP NO. H.011731:
W. Esplanade Bridges at Duncan Canal


DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised December 12, 2024)

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

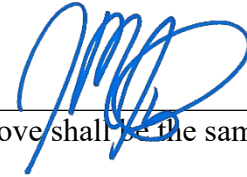
ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	OFF-SYSTEM HIGHWAY BRIDGE PROGRAM NORTH ACHORD RD OVER DRAINAGE BAYOU
2. Contract Number(s) as shown in the advertisement	4400030644
3. State Project Number(s), if shown in the advertisement	H.015977.5
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	 Design Engineering, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0001135
6. Prime consultant mailing address	3330 W. Esplanade Avenue, Suite 205, Metairie, Louisiana 70002
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	(Same as above mailing address)
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jim Martin, Ph.D., P.E., President (504) 836-2155 jmartin@dei-engr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jim Martin, Ph.D., P.E., President (504) 836-2155 jmartin@dei-engr.com

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

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

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:

April 10, 2025

Date:




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):




The advertisement states "NO DBE GOAL"

Firm(s)' %:

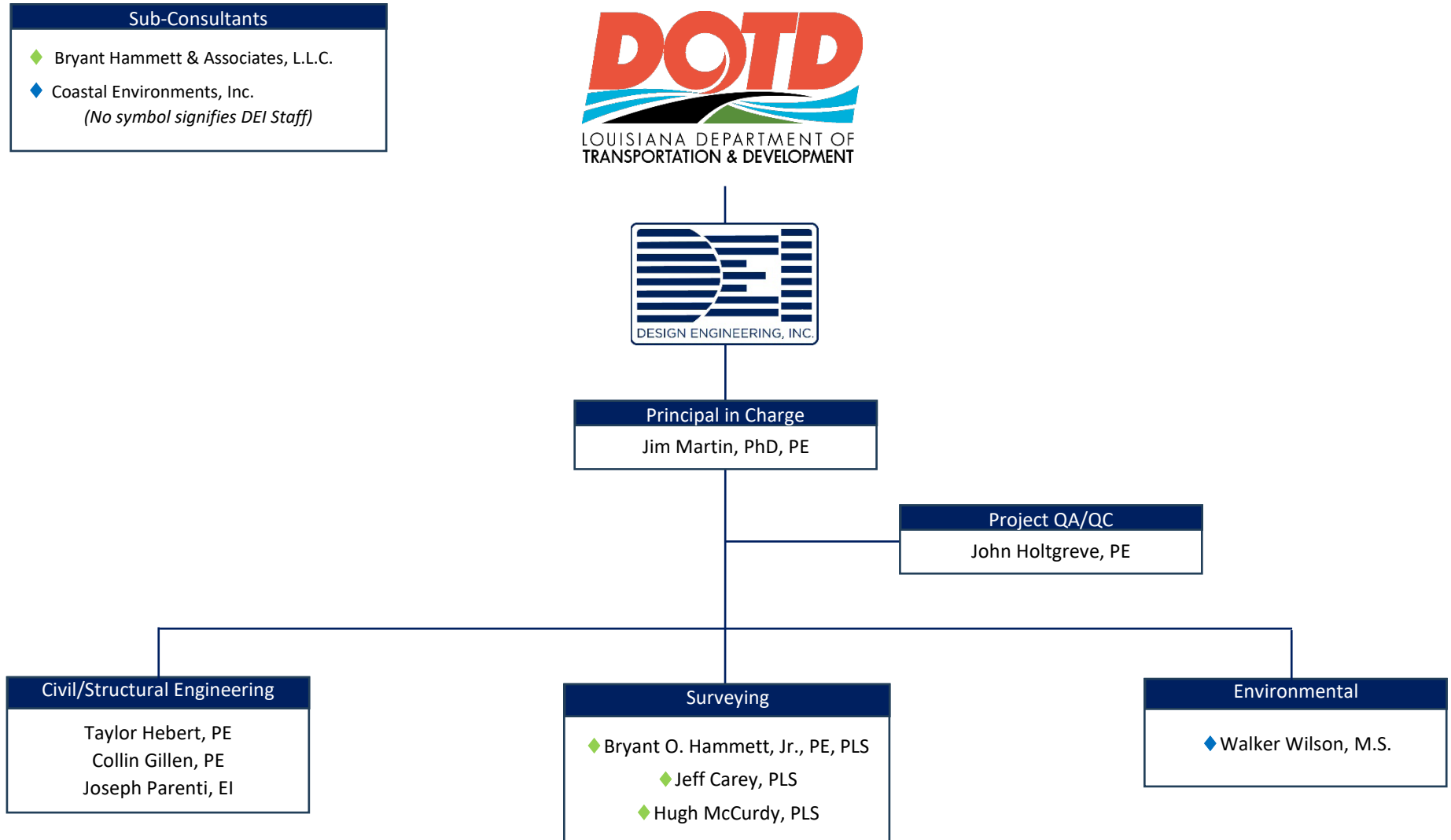
12. Discipline Table:

Discipline(s)	% of Overall Contract	 Design Engineering, Inc. (Prime)	 Bryant Hammett & Associates, L.L.C.	 Coastal Environments, Inc.	Each Discipline must total to 100%
Road	30%	100%	0%	0%	100%
Bridge	35%	100%	0%	0%	100%
Survey	20%	0%	100%	0%	100%
Environmental	15%	0%	0%	100%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	65%	20%	15%	100%






13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
 Design Engineering, Inc.	Principal	1	3
	Supervisor - Eng	1	3
	Engineer	2	6
	Engineer Intern	1	4
	Project Office Manager	0	1
	Inspector - Certified	0	3
	Inspector	0	10
 Bryant Hammett & Associates, L.L.C.	Surveyor	1	3
	CADD Operator	1	3
	Instrument Man	2	3
	Party Chief	1	3
	Supervisor - Other	1	2
	Senior Technician	1	2
	Rodman	1	2
	Principal	1	1
 Coastal Environments, Inc.	Biologist/Wetlands	1	3



14. Organizational Chart:





15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Jim Martin, Ph.D., P.E.		P.E. No. 31281 - Civil	LA	09/30/2026
2	John Holtgreve, P.E.		P.E. No. 16383 - Civil	LA	03/31/2027
3	John Holtgreve, P.E.		P.E. No. 16383 - Civil	LA	03/31/2027
4	Bryant O. Hammett, Jr, PE, PLS		P.E. No. 20605 – Civil P.L.S. No. 4552	LA LA	03/31/2026 03/31/2026
5	Walker Wilson, M.S.		Certificate: Wetland Delineation	N/A	N/A


16. Staff Experience:

Firm employed by		Design Engineering, Inc.			
Name	James Martin, Ph.D., P.E.		Years of relevant experience with this employer		11
Title	President/Principal-In-Charge		Years of relevant experience with other employer(s)		12
Degree(s) / Years / Specialization		 <p>Tulane University: Doctor of Philosophy 2003 Tulane University: MS, Environmental Engineering 2000 University of Alabama: BS, Civil Engineering 1998 Old Dominion University: Coastal Engineering Certificate 2010</p>			
Active registration number / state / expiration date		31281 /LA/ 09/30/2026			
Year registered	2004	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities		Dr. Martin will serve as Principal-In-Charge for this project. Dr. Martin brings decades of experience in the design and management of DOTD projects, including bridge replacements, roadway improvements, and drainage systems. Dr. Martin will ensure that appropriate resources are allocated, project milestones and budgets are met, and quality standards are upheld. He will remain directly accessible to the client for any matters that require principal-level attention or escalation.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/15 – 07/21	SP No. H.011731: WEST ESPLANADE BRIDGES AT DUNCAN CANAL: (Role: President/Principal-In-Charge) Dr. Martin was responsible for overseeing and managing all personnel and contracts for the hydraulic calculations and modeling that have been reviewed and accepted by the Parish, the City of Kenner, and the DOTD the installation of a massive 2-cell box culvert that intersects with a separate large 2-cell box. Also responsible for all structural engineering on the project and these immense concrete structures (over 13 feet tall and 80 feet wide).				
03/15 - Ongoing	JP No. 2017-012-RBP: CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: (Role: President/Principal-In-Charge) Dr. Martin oversaw and managed all personnel and contracts involved in conducting a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic. This included evaluating the existing bridge components north of the southern right-of-way line of Airline Drive and performing a load capacity rating analysis for both the AS-BUILT and AS-IS conditions of the structure. Based on the findings, a comprehensive repair/rehabilitation report prioritizing recommended repairs and corrective measures was submitted. DEI was responsible for producing plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, full-time resident inspection and testing services were provided during construction.				
02/14 – 09/14	JP No. 2007-012-PS: AIRLINE DRIVE DRAINAGE CROSSING (ST. PETER'S DITCH): (Role: President/Principal-In-Charge) Dr. Martin was responsible for overseeing and managing all personnel and contracts for the design and construction of 365 feet of major drainage improvements adjacent to and across Airline Drive. Included in the work was the design of large drainage junction boxes, micro-tunneling or hand tunneling large diameter drain lines across Airline Drive, reinforced concrete box culverts, and transition structures. DEI provided hydraulic analysis of the drainage system across Airline Drive.				


06/12 – 08/14	BR No. 12-BT-P-0020: MULTIPLE BRIDGE REPLACEMENTS NO. 2 FLANACHER ROAD (A), FLANACHER ROAD (B) AND BARNETT ROAD: (Role: President/Principal-In-Charge) Dr. Martin was responsible for overseeing and managing all personnel and contracts for the replacement of three (3) existing bridge structures located on a rural collector road in Zachary, LA. The design was in accordance with LADOTD Roadway Design Procedures and Details Manual, LA DOTD Hydraulic Manual, and Federal Aid Off-System Highway Bridge Program Guidelines. DEI was responsible for the preparation of the hydraulic study to determine the type of replacement structure, preliminary design, final design, construction administration, and resident inspection. Due to the age of the existing structures, the horizontal and vertical alignment of the roadway was not in accordance with AASHTO “Green Book”, 2011 standards, so DEI had to make vertical and horizontal modifications to the alignment of the roadway. DEI also coordinated and managed the geotechnical and surveying sub-consultants during the entire design process. DEI provided the client with cost estimates and permit sketches as required by federal, state and local authorities.
05/08 – 12/16	DOTD SP No. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION: (Role: President/Principal-In-Charge) Dr. Martin oversaw and managed all personnel and contracts for the design of an on- and off-ramp system for the Westbank Expressway and the relocation of Frontage Road. Responsibilities included planning geometric layout of roadways and rights-of-way; relocation of drain lines up to 72” diameter, 10” sewer force mains with 20” steel casing horizontally drilled underneath four (4) lane highway, and water lines; project quantities estimation; preparation of plans for water mains, appurtenances, gas lines, and overhead and below ground power lines; the construction of storm drain performance, pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters and concrete sidewalks.
02/16 – 01/19	JP No. 2015-030-RB: WEST ESPLANADE AVENUE CANAL CROSSING: (Role: President/Principal-In-Charge) Dr. Martin was responsible for overseeing and managing all personnel and contracts for this project. The canal was hydraulically modeled for the installation of two 96-inch Concrete Arch Pipes. DEI designed the drainage and project surface work design for the improvements to West Esplanade Boulevard which included installing a 573-foot by a 96-inch culvert, over 600 feet of roadway, an additional sidewalk, and a new signalized interchange. Dr. Martin was part of the team that provided hydraulic engineering, conceptual, preliminary, and final plans for the improvements to West Esplanade Boulevard.
07/14 – 01/18	SP No. H.006868.6: WASHINGTON AVENUE PEDESTRIAN CROSSING (XAVIER UNIVERSITY): (Role: President/Principal-In-Charge) Dr. Martin was responsible for overseeing and managing all personnel and contracts constructing an elevated pedestrian crossing over Washington Avenue, Washington Avenue Canal, and Drexel Drive. Also included is the construction of an enclosed stairway and elevator towers located at the corner of Fern Street and Washington Avenue and Drexel Dr. near the north campus of Xavier University. The entire construction contract administration and construction engineering and inspection for this project was managed through LADOTD Site Manager Program. DEI was responsible for the construction, engineering, and inspection of this project which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor’s personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time through Site Manager.
10/19 – 11/24	JP No. 2019-021-DR: INDEPENDENCE PARK DRAINAGE IMPROVEMENTS: (Role: President/Principal-In-Charge) Dr. Martin oversaw and managed all personnel and contracts for the hydrologic and hydraulic modeling and analysis conducted for the Independence Park Drainage Improvements project. Under his leadership, DEI identified significant drainage deficiencies within the Independence Park Drainage Basin and developed detailed hydrologic and hydraulic models to evaluate the capacity of the existing drainage system. These models were critical in forming the basis for the recommendation to construct a new drainage pump station, a key component of the proposed improvements. Dr. Martin's oversight ensured that all findings and recommendations were thoroughly documented and aligned with the requirements set by Jefferson Parish, providing a comprehensive solution to address the neighborhood's drainage issues.
08/00 – 12/03	DOTD PROJECT: INTERSTATE 10 AND METAIRIE ROAD INTERCHANGE AND EXPANSIONS DESIGN, LA: (Role: President/Principal-In-Charge) Dr. Martin was a staff engineer responsible for quality control of the vertical and horizontal geometry of the interchange’s bridges and roads. The project was over \$20M in construction costs.

Firm employed by Design Engineering, Inc.					
Name	John Holtgreve, P.E.		Years of relevant experience with this employer		38
Title	Project Manager		Years of relevant experience with other employer(s)		12
Degree(s) / Years / Specialization		 Tulane University: MCE, Civil Engineering 1975 Tulane University: BS, Civil Engineering 1970			
Active registration number / state / expiration date		16383 /LA/ 03/31/2027			
Year registered	1976	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities		Mr. Holtgreve will serve as the Project QA/QC for this contract. With over 30 years of experience in civil engineering design, including DOTD-funded bridge and roadway projects, he will be responsible for quality assurance and quality control throughout the design phase. His role includes reviewing plans, specifications, submittals, and RFI responses to ensure accuracy, completeness, and compliance with DOTD standards. He will also be available to provide technical guidance when design challenges arise.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/12 – 08/14	BR No. 12-BT-P-0020: MULTIPLE BRIDGE REPLACEMENTS NO. 2 FLANCHER ROAD (A), FLANCHER ROAD (B) AND BARNETT ROAD: (Role: Project Manager) Mr. Holtgreve managed the design and construction for the replacement of three (3) existing bridge structures located on a rural collector road in Zachary, LA. The design is in accordance with LADOTD Roadway Design Procedures and Details Manual, LADOTD Hydraulic Manual, and Federal Aid Off-System Highway Bridge Program Guidelines. DEI is responsible for the preparation of the hydraulic study to determine the type of replacement structure, preliminary design, final design, construction administration, and resident inspection. Due to the age of the existing structures, the horizontal and vertical alignment of the roadway was not in accordance with AASHTO “Green Book”, 2011 standards, so DEI had to make vertical and horizontal modifications to the alignment of the roadway. DEI also coordinated and managed the geotechnical and surveying sub-consultants during the entire design process. DEI is also providing the client with cost estimates and permit sketches as required by federal, state, and local authorities.				
09/15 – 07/21	SP No. H.011731: WEST ESPLANADE BRIDGES AT DUNCAN CANAL: (Role: Project Manager) Mr. Holtgreve oversaw the design and construction of the hydraulic calculations and modeling that has been reviewed and accepted by the Parish, the City of Kenner, and the DOTD for the installation of a massive 2-cell box culvert that intersects with a separate large 2-cell box.				
03/15 - Ongoing	JP No. 2017-012-RBP: CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: (Role: Project Manager) Mr. Holtgreve oversaw the design and construction of this project, which included conducting a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (including all existing bridge components north of the southern right-of-way line of Airline Drive). He performed a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure and submitted a comprehensive repair/rehabilitation report that prioritized recommended repairs and corrective measures. Based on the findings of the report, DEI was responsible for producing plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, DEI was tasked with providing full-time resident inspection and testing services during construction.				


02/14 – 09/14	JP No. 2007-012-PS: AIRLINE DRIVE DRAINAGE CROSSING (ST. PETER'S DITCH): (Role: Project Manager) Mr. Holtgreve oversaw the design and construction of 365 feet of major drainage improvements adjacent to and across Airline Drive. Included in the work was the design of large drainage junction boxes, micro-tunneling or hand tunneling large diameter drain lines across Airline Drive, reinforced concrete box culverts, and transition structures. DEI provided hydraulic analysis of the drainage system across Airline Drive.
02/16 – 01/19	JP No. 2015-030-RB: WEST ESPLANADE AVENUE CANAL CROSSING: (Role: Project Manager) The canal was hydraulically modeled for the installation of two 96-inch Concrete Arch Pipes. DEI designed the drainage and project surface work design for the improvements to West Esplanade Boulevard which include installing a 573-foot by a 96-inch culvert, over 600 feet of roadway, an additional sidewalk, and a new signalized interchange.
07/14 – 01/18	SP No. H.006868.6: WASHINGTON AVENUE PEDESTRIAN CROSSING (XAVIER UNIVERSITY): (Role: Project Manager) Mr. Holtgreve was the Project Manager for this project which consists of constructing an elevated pedestrian crossing over Washington Avenue, Washington Avenue Canal, and Drexel Drive. Also included is the construction of an enclosed stairway and elevator towers located at the corner of Fern Street and Washington Avenue and Drexel Dr. near the north campus of Xavier University. The entire construction contract administration and construction engineering and inspection for this project were managed through LADOTD Site Manager Program. DEI was responsible for the construction, engineering, and inspection of this project which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time through Site Manager.
05/08 – 12/16	DOTD SP No. H.002550: MACARTHUR DRIVE INTERCHANGE COMPLETION: (Role: Project Manager) Mr. Holtgreve oversaw the design and construction of an on- and off-ramp system for the Westbank Expressway and the relocation of Frontage Road. Responsibilities included planning geometric layout of roadways and rights-of-way; relocation of drain lines up to 72" diameter, 10" sewer force mains with 20" steel casing horizontally drilled underneath four (4) lane highway, and water lines; project quantities estimation; preparation of plans for water mains, appurtenances, gas lines, and overhead and below ground power lines; the construction of storm drain performance, pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters and concrete sidewalks.
11/02 – 02/04	LAKESHORE DRIVE BRIDGE AT ORLEANS AVE CANAL AND LONDON AVE CANAL: (Role: Project Manager) Mr. Holtgreve served as the Project Manager for the design and construction of a new bridge along Lakeshore Drive over the London Avenue Canal and Orleans Avenue Canal. He was responsible for overseeing the complete design process and construction activities, ensuring compliance with all engineering standards. His leadership facilitated the development of a four-span solid slab bridge measuring 170 feet, designed to replace the existing structure with steel girders. Mr. Holtgreve coordinated the integration of subsurface drainage systems, seawall repairs, and roadway lighting into the project scope. He also managed the transplanting of 18" to 42" diameter oak trees and utility relocations, while providing all construction engineering services and serving as the full-time on-site Resident Project Representative. His expertise ensured that the project met both functional and safety requirements, contributing to the successful completion of a vital infrastructure element.
11/09 – 02/11	DOTD SP NO. 742-36-0110: ROBERT E. LEE BOULEVARD, PARIS AVE. TO PRATT DRIVE: (Role: Project Manager) Mr. Holtgreve oversaw the design and construction administration of the reconstruction of 4,500 LF of the existing Robert E. Lee Blvd. This included major subsurface drainage improvements from 15" ϕ to 60" ϕ of reinforced concrete pipe and utility relocations. DEI provided full construction management services for the LADOTD and the City of New Orleans. The entire construction contract administration and construction engineering and inspection for this project were managed through the LADOTD Site Manager Program.

Firm employed by		Design Engineering, Inc.			
Name	Taylor Hebert, P.E.		Years of relevant experience with this employer		2
Title	Civil Engineer		Years of relevant experience with other employer(s)		8
Degree(s) / Years / Specialization		University of Georgia: BS, Civil Engineering 2016			
Active registration number / state / expiration date		44720 /LA/09/30/2026			
Year registered	2020	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities		Mr. Hebert will serve as Project Engineer for this contract. He will be responsible for coordinating the development of design plans, specifications, and cost estimates in accordance with DOTD standards. His duties will include preparing and reviewing design submittals, coordinating with subconsultants, managing project schedules, and ensuring the design documents are technically sound and responsive to the project scope.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
06/23 - Ongoing	JP No. 2017-010-RBP: WIDENING OF CAUSEWAY BLVD. (AIRLINE DRIVE TO WEST NAPOLEON AVE.): (Role: Civil Engineer) Mr. Hebert is responsible for the preparation of preliminary design plans, final design plans, specifications, and bid documents for the widening of Causeway Blvd. (Airline Drive to West Napoleon Avenue). This project consists of widening the existing 4 lane divided highway to 6 lane divided highway which includes removing and replacing curb and gutter as needed for the newly widened roadway section replacing existing signals with mast arm supports and foundations; new pedestrian crosswalks with countdown signals; mill and overly remaining asphalt roadway form completely new continuous wearing surface; new lane striping, turn lane arrows, reflectorized raised pavement markers, and pedestrian cross work striping.				
10/19 – 04/23	CARMELITE ST. STORMWATER PUMP STATION AND DRAINAGE NETWORK IMPROVEMENTS: (Role: Civil Engineer) Mr. Hebert was responsible for the design of the sub-surface drainage network and utility relocation designs for the Carmelite St. Stormwater Pump Station project. His role included reviewing the overall project design for construction feasibility and ensuring compliance with Hydraulic Institute Standards. Mr. Hebert also coordinated the design and installation of two 17 CFS vertical axial flow pumps and associated infrastructure to enhance flood protection in Lafitte, LA.				
05/16 – 07/17	MSY NEW ORLEANS INTERNATIONAL AIRPORT STORMWATER PUMPING FACILITY: (Role: Civil Engineer) Mr. Hebert served as the project field engineer and QC Manager for the NOAB MSY International Airport Storm Water Pumping Facility. His responsibilities include generating submittals, managing RFIs, change orders, and pay applications, and updating project schedules using P6 software. Mr. Hebert also drafted contracts, coordinated work processes among various subcontractors, and played a vital part in design elements, quality control, and procurement, while providing essential surveying and layout services using total station and AutoCAD software for project drawings.				
06/23 - Ongoing	RELOCATION OF EAST ST. BERNARD HIGHWAY AND ASSOCIATED UTILITIES FOR THE LOUISIANA INTERNATIONAL TERMINAL: Mr. Hebert serves as a civil engineer on the \$1.8 billion Port of New Orleans LIT project. Located in Violet, St Bernard Parish, the project involves relocating East St. Bernard Highway, constructing a new bridge, and addressing utility relocation across 400 acres. Responsibilities include detailed reviews of project information, participating in design and constructability review meetings, and ensuring the project adheres to high standards and specifications.				

07/17 – 02/19	SWBNO OAK ST. PUMP STATION UPGRADE AND REHABILITATION: (Role: Civil Engineer) Mr. Hebert served as the project field engineer and QC Manager for the Oak Street Pump Station upgrade and rehabilitation project Responsibilities included ensuring proper contract execution, generating submittals, handling RFIs, change orders, and pay applications, and updating project schedules using P6 software. He also assisted in drafting contracts for subcontractors and suppliers, overseeing their timely execution, and assisting in the design of critical project components like cofferdams, anchor bolt systems, and concrete formwork. Mr. Hebert effectively coordinated work processes among various subcontractors, enforced quality measures through preparatory meetings and inspections, directed work crews, and provided surveying and layout services, utilizing total station and AutoCAD software to create essential project drawings.
08/23 – Ongoing	DOTD SP. NO. H.014317.6: CAREY STREET PAVEMENT REHABILITATION: (Role: Civil Engineer) Mr. Hebert assisted in the construction administration of the reconstruction of 3,500 linear feet of residential concrete panel roadway on Carey St. from Old Spanish Trail to Front Street, located in the City of Slidell. Responsibilities include construction management, document control, and meeting coordination. The project involves grading, Class II base course installation, Portland Cement Concrete Pavement (PCCP), and associated work. The project included extensive roadway and utility improvements, such as drainage structures, pavement replacement, and utility upgrades.
05/23 - Ongoing	DOTD SP NO. H.014315.6: GRAFTON DRIVE PAVEMENT REHABILITATION: (Role: Civil Engineer) Mr. Hebert assisted in the construction administration of the reconstruction of the reconstruction of Grafton Drive from Cardinal Drive to E. Pinewood Drive, located in the City of Slidell. Responsibilities include construction management, document control, and meeting coordination. This project includes the removal of curbs, concrete pavement, grading, Class II base course, Portland cement concrete pavement, and related work. The scope of work also entails addressing issues related to traffic maintenance, joint sealing, and curb ramp improvements to enhance the overall safety and accessibility of Grafton Drive.
01/24 - Ongoing	DOTD SP NO. H.011775.6 : US 11 & US 190 BICYCLE AND PED CROSSINGS: Mr. Hebert assisted in the construction administration for the improvement of 0.163 miles of roadway at the intersection of US 11 (Front St.) and US 190B (Fremaux Ave.) in Slidell, St. Tammany Parish. His responsibilities included construction management, document control, and coordination of meetings. The project involved clearing and grubbing, drainage structure installation, milling asphalt, pavement patching, and the application of Portland cement concrete and asphalt concrete overlays. Mr. Hebert monitored daily construction operations, ensured adherence to project specifications, and addressed any issues related to traffic control and utility adjustments, ensuring the project met quality standards and stayed on schedule.
02/20 – 04/23	WSLP 105 AND 108 – WESTSHORE LAKE PONTCHARTRAIN USACE: Mr. Hebert assisted with the Westshore Lake Pontchartrain (WSLP 105 and WSLP 108) flood protection project, which included the comprehensive design of drainage complex structures, t-walls, and earthen levee sections. His responsibilities encompassed various civil design tasks, technical report editing, and AEQR review of project plans, specifications, and cost estimates. Mr. Hebert assisted in designing a broad spectrum of projects, managed bidding phases, ensured compliance with project specifications, and facilitated public meetings to explain project designs, contributing significantly to the success of this crucial flood protection initiative.

Firm employed by		Design Engineering, Inc.		
Name	Collin Gillen, P.E.	Years of relevant experience with this employer	5	
Title	Civil Engineer	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		Louisiana State University: BS, Civil Engineering 2020		
Active registration number / state / expiration date		49017 /LA/ 09/30/2026		
Year registered	2024	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities		Mr. Gillen will serve as Civil Engineer and deputy Project Engineer for this contract. He will support design production, assist in plan preparation, and help coordinate with DOTD and subconsultants to ensure quality and timely delivery. Mr. Gillen has experience assisting with DOTD projects involving bridge rehabilitation, roadway reconstruction, and drainage improvements, and is well-versed in DOTD standards, specifications, and coordination procedures.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/23 - Ongoing	JP No. 2017-012-RBP: CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: (Role: Civil Engineer) Mr. Gillen assisted the project engineer with the oversight of the rehabilitation of bridge spans of this 1950s-era structure to meet AASHTO and LaDOTD standards. Responsibilities included conducting structural analysis of existing girders according to modern standards to determine adequacy in terms of safety and serviceability, designing cover plates for failing girders and their connections to strengthen spans at a lower cost than replacement, coordinating the removal and replacement of a corroded portion of the girder to reduce costs compared to replacing the entire girder and designing flange and web splice plates and their connections to safely transfer loads between the existing and new portions of the girder.			
05/20 – 11/24	JP No. 2016-025-PS: FRISCO AVE. DRAINAGE IMPROVEMENTS: (Role: Civil Engineer) Mr. Gillen assisted with the modeling and design improvements along Frisco Avenue in Old Metairie. This project includes upgrading approximately 1200’ of drain lines ranging from 15” diameter to 42” diameter pipes at Frisco Avenue and relocating existing utilities such as waterlines and fiber optic lines along 1000’ parallel to an operating railroad. The project also includes the closure of an existing 300’ long ditch. Responsibilities include project quantity estimating, preparation of plans for bidding, preparation of specifications for bidding, and construction administration. This project also includes coordination with the Norfolk Southern Railroad for permitting, design, and throughout the proposed construction.			
07/22 – Ongoing	DOTD SP No. H.002956.5: EARHART EXPRESSWAY AT DAKIN ST.: (Role: Civil Engineer) Mr. Gillen assisted the project engineer with the new 625-foot, single-lane off-ramp from Earhart Expressway to Dakin Street at Jefferson Highway. Tasks include coordinating survey and geotechnical data gathering, designing foundations, concrete decks, prestressed concrete girders, and six concrete 20’ slab spans, as well as producing plans and specifications for DOTD and Jefferson Parish review and approval, collaborating with other consultants on the at-grade portion of the project.			


07/24 - Ongoing	JP No. 2019-021-DR: INDEPENDENCE PARK DRAINAGE IMPROVEMENTS: (Role: Civil Engineer) Mr. Gillen conducted a comprehensive analysis of the existing drainage structures to evaluate current capacities and identify potential bottlenecks within the Independence Park Drainage Basin. He modeled and assessed proposed drainage structure upgrades, focusing on optimizing water flow and enhancing flood mitigation across the project area. His work included evaluating the capacities of the proposed pumping station and force main to improve water diversion strategies, ensuring efficient management of stormwater in the affected areas.
05/20 – 03/24	GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&I): (Role: Civil Engineer) Mr. Gillen performed inspection oversight, quality assurance, and construction administration for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. Construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety. Responsibilities included evaluation of construction operations/work for conformance with the Plans and Specifications; coordination of daily field notes and acceptance of work with up to ten inspectors; and assistance in the response to RFIs, submittals, and monthly project progress summaries.
05/20 – Ongoing	DOTD SP No. H.007273.6: MAGAZINE ST. (LEAKE AVE TO EAST DR): (Role: Civil Engineer) Mr. Gillen is assisted the project engineer in the construction administration of the reconstruction of Magazine Street, between the intersections of Leake Avenue and East Drive, located in the Audubon Neighborhood area of New Orleans. Responsibilities include construction management, document control, and meeting coordination. This project also includes full reconstruction and full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line, and water main utility replacement. This project is also in coordination with Hard Rock Construction throughout the construction of the project.
05/23 - Ongoing	DOTD SP NO. H.014315.6: GRAFTON DRIVE PAVEMENT REHABILITATION: (Role: Civil Engineer) Mr. Gillen is currently assisting the project engineer in the construction administration of the reconstruction of Grafton Drive from Cardinal Drive to E. Pinewood Drive, located in the City of Slidell. Responsibilities include construction management, document control, and meeting coordination. This project includes the removal of curbs, concrete pavement, grading, Class II base course, Portland cement concrete pavement, and related work. The scope of work also entails addressing issues related to traffic maintenance, joint sealing, and curb ramp improvements to enhance the overall safety and accessibility of Grafton Drive.
12/23 - Ongoing	DOTD SP NO. H.014681.6: NINE MILE POINT RD: US 90 - LA 18: (Role: Civil Engineer) Mr. Gillen assisted in the construction administration for the reconstruction of Nine Mile Point Road (US 90 – LA 18) in Jefferson Parish. His responsibilities included construction management, document control, and coordination of meetings. The project involved grading, milling asphalt pavement, patching, installing Class II base course, and constructing fiber-reinforced asphalt concrete. Mr. Hebert helped address traffic control issues, monitored the work for compliance with specifications, and supported efforts to ensure the project was completed efficiently and safely.

Firm employed by		Design Engineering, Inc.		
Name	Joseph Parenti, E.I.	Years of relevant experience with this employer	1	
Title	Structural Engineer Intern	Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization		Louisiana State University: BS, Civil Engineering 2022		
Active registration number / state / expiration date		35202 /LA/ 03/31/2027		
Year registered	2022	Discipline	Engineer Intern	
Contract role(s) / brief description of responsibilities		Mr. Parenti will serve as a Structural Engineer Intern for this contract. He will assist in the review of structural elements, support the development of bridge rehabilitation plans, and provide coordination on structural inspection findings and design updates. Mr. Parenti has experience supporting DOTD and parish projects involving bridge rehabilitation, structural retrofits, and wharf substructure inspections. He is proficient in structural modeling, load calculations, and drafting support, and is familiar with DOTD design standards and plan development processes.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/24 - Ongoing	JP No. 2017-012-RBP: CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: (Role: Structural Engineer) Mr. Parenti provided structural support services for the comprehensive rehabilitation of the Causeway Boulevard Overpass at Airline Drive. His responsibilities included assisting with structural inspection coordination and reviewing repair and load rating documentation. He supported the design of girder reinforcements, bearing replacements, and deck rehabilitation measures, as well as the preparation of plans and specifications for construction. He was involved in full-time construction support during the repair phase.			
06/24 – Ongoing	DOTD SP No. H.002956.5: EARTHART EXPRESSWAY AT DAKIN ST.: (Role: Structural Engineer) Mr. Parenti contributed to the design of a new 625-foot, single-lane off-ramp from the Earhart Expressway to Dakin Street, serving the heavily trafficked Ochsner Hospital Corridor. He supported structural design tasks including the analysis and layout of Type III prestressed concrete girders, pile-supported bents, and 20-foot concrete slab spans. He assisted in the development of construction documents and coordinated data related to geotechnical and survey information. His responsibilities also included collaboration with DOTD and Jefferson Parish during milestone reviews.			
06/24-Ongoing	WO No. 1-1091: NASHVILLE WHARF SUBSTRUCTURE REPAIRS: Mr. Parenti assisted in the structural inspection and repair design of the Nashville Avenue Wharf “A” substructure. He participated in visual inspections and data organization for over 5,000 structural components, helping develop a GIS-based database to document deterioration and repair needs. He also supported the preparation of construction documents and collaborated with the CMAR contractor and the Port of New Orleans to expedite repairs and improve substructure performance.			
07/22 – 12/22	GLOBALPLEX DOCK CRANE REPLACEMENT AND STRUCTURAL RETROFIT: Mr. Parenti supported the structural retrofit of the Globalplex Dock to accommodate new cranes. He organized and reviewed structural design documents, performed cost estimates, and supported field inspections. He helped ensure that all construction activities aligned with project specifications and contributed to the overall design and submittal process.			

Firm employed by Bryant Hammett & Associates, L.L.C.			
Name	Bryant O. Hammett, Jr		Years of relevant experience with this employer
Title	Principal		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS/1978/Civil Engineering	
Active registration number / state / expiration date		PE #20605, LA, 03/31/2026 PLS #4552, LA, 03/31/2026 PE #20605, LA 03/31/2026	
Year registered	1983	Discipline	Civil Engineering
Year registered	1996	Discipline	Environmental Engineer, LA
Year registered	1985	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Will serve as Survey Lead. As a registered Civil Engineer and Professional Land Surveyor, Mr. Hammett has been the sole proprietor of BHA since 1984 and manages a staff of over 30 employees. As former infrastructure manager for the Louisiana OCD-DRU, Hammett performed and oversaw professional civil, structural and transportation engineering work related to the planning, design, development, construction and maintenance of projects. Mr. Hammett will be the Principal-in-Charge for BHA, overseeing schedules and budgets and the overall project. He will execute all contracts for the firm.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/22-present	RIVERTON CAMPGROUND ROAD, COLUMBIA PORT COMMISSION S.P. NO. H.014968(322): Owner: Port of Columbia Scope: Design of Riverton Campground Road, which supports both current and future needs of the Port, including the Louisiana Greenfuels Biofuels Facility. Funded by DOTD Louisiana Port Construction and Development Priority Program, it will serve as a crucial access road and secondary evacuation route. Improvements consist of complete reconstruction and re-alignment of Riverton Campground Road, including but not limited to turn lane, drainage, ditches, and structures Project Cost: \$2.2MM Role: Principal. Coordination with Port; oversees/manages employees		
06/21-present	S.P. NO: H.014377(321) SOUTHEAST ARKANSAS AND NORTHEAST LA MULTIMODAL FREIGHT CORRIDOR IMPROVEMENTS: Scope: \$10.5MM to rehabilitation of 91 miles of continuous short line railroad to Class 2 capacity, seven bridge upgrades, and the extension of short line rail access to Port of Lake Providence and Madison Parish Port. Project Fee: \$180,000 Role: Principal-in-Charge. BHA provided topographic and utility surveying along Segments D & C for 6.5 miles of railroad and is currently providing construction inspection.		
05/2016-present	PORT OF VIDALIA VIDALIA PORT COMMISSION: BHA is currently the design professional for a \$40MM port being construction in Vidalia, LA. Breaking ground in 2016, BHA recently assisted in the certification of the 145-acre port obtaining LED Certified Site status. Included in the project is the design and construction of a port access road. Construction consists of subgrade stabilization, base course construction, and an asphaltic concrete surface course. Extension of utilities including water, electricity and fiber optic cable are also part of the project.		

Firm employed by Bryant Hammett & Associates, L.L.C.			
Name	Jeff Carey		Years of relevant experience with this employer
Title	Professional Land Surveyor		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS/2009/Disaster Management	
Active registration number / state / expiration date		ASFPM, US-10-05305, LA, 01/2025 PLS.5334,LA,09/2026 881664,LA,12/2025	
Year registered	2010	Discipline	Certified Floodplain Manager
Year registered	2024	Discipline	Professional Land Surveyor
Year registered	2013	Discipline	Residential Contractor
Contract role(s) / brief description of responsibilities		Will serve as Professional Land Surveyor. As a surveyor for BHA, Mr. Carey manages fieldwork, collects data in the field, and performs field-checking duties at project completion. He manages boundary and topographic surveys, and all surveying activities required for engineering, rights-of-way, and construction projects. He will serve as the PLS involved in the day-to-day operations.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/20-07/21	S.P. NO. H.004359–DICKORY AVENUE EXTENSION JEFFERSON PARISH: BHA provided a LADOTD topographic, utility and cross section survey of the proposed Dickory Avenue extension corridor connecting Dickory Avenue to Jefferson Hwy. BHA prepared a drainage map in accordance with LADOTD Existing Drainage Map Standards. Carey managed field crews, coordinated with owner, and reviewed final deliverables.		
06/21-07/22	HAWTHORNE HOLLOW BRIDGE REPLACEMENT ST. TAMMANY PARISH: BHA provided a survey of the Hawthorne Hollow bridge located in Black River Estates Subdivision in Madisonville, Louisiana. The survey limits extended approximately 300 feet from the bridge down Hawthorne Hollow in both directions, from ROW to ROW. BHA provided control points, topographic, and cross section surveying. Carey oversaw crews, reviewed deliverables, scoping.		
04/22-06/22	E. GENIE STREET BRIDGE CROSSING ST. BERNARD PARISH: Mr. Carey oversaw the surveying required for the bridge replacement on East Genie Street in St. Bernard Parish, Louisiana. Topographic, utility and right of way surveying were performed. A survey of the canal at the bridge site was also performed. A detailed topographic survey of the existing bridge and canal culverts was performed. Daily water surface elevations were collected in the drainage canal. Carey oversaw crews, reviewed deliverables, scoping.		
10/21-11/22	VETERANS BLVD. ROADWAY IMPROVEMENTS JEFFERSON PARISH GOVERNMENT: BHA performed a topographic and cross section survey of Eastbound Veterans Blvd. from David Drive to Clearview Parkway in support of a roadway improvements project, approximately 11,400 linear feet. BHA utilized a hybrid approach of conventional survey (GPS and total station) along with photogrammetry (drone) to collect the information requested. Carey oversaw topographic, cross section, and utility surveying.		

Firm employed by Bryant Hammett & Associates, L.L.C.			
Name	Hugh McCurdy, III		Years of relevant experience with this employer
Title	Professional Land Surveyor		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		PLS.4647, LA,03/2027	
Year registered	1991	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Will serve as Professional Land Surveyor. As a registered land surveyor in Louisiana with over 50 years' experience in land surveying, McCurdy is involved in all aspects of boundary/property surveys for real estate transfer and the surveying required for engineering, rights-of-way acquisition, utility relocation, and construction projects, and is responsible for courthouse research and coordination of work. McCurdy will serve as the Survey Manager, performing calculations and stamping and signing final deliverables.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/2020-present	BAINBRIDGE CANAL CLOSURE AND ROADWAY IMPROVEMENTS JEFFERSON PARISH: McCurdy managed the fieldwork and deliverables for design improvements to Bainbridge Avenue. BHA performed topographic, cross section and utility surveys in the subject area. This one-mile survey extended from Veterans Blvd to the entrance of the airport and extended 100 feet down all intersecting streets and from right-of-way to right-of-way. McCurdy was the Survey Manager.		
06/18-11/19	MONROE-E. CAUSEWAY INTERSECTION IMPROVEMENTS ST. TAMMANY PARISH GOVERNMENT: BHA provided a topographic, boundary and right-of-way survey for an intersection improvement project at Monroe Street and E. Causeway Approach in Mandeville, Louisiana. The Monroe Street section of the project was approximately 600' long and the E. Causeway Approach section of the project is approximately 700 feet long. The survey was used as a basis of a roundabout design for the intersection. BHA provided a drainage map for the project, as well as necessary surveying for property acquisition.		
10/21-04/22	PORT, HARBOR & TERMINAL DISTRICT ALTA SURVEY PLAQUEMINES PARISH: McCurdy managed the ALTA survey of an approximate 600-acre tract of land in Plaquemines Parish, to serve as the basis of a title transfer. BHA performed and prepared a boundary survey of the subject tract in accordance with current standards. All boundaries of the property and the location of any easements were shown, as well as topographic data including the location of improvements on the property such as structures, fences, utilities, roads. McCurdy performed all calculations, directed field crew, and delivered final sealed plats.		
10/21-04/22	SLIDELL RING LEVEE ANALYSIS ST. TAMMANY PARISH: BHA performed general alignment, topographic, and hydrographic surveys of the existing levee and adjacent canals and ponds within the three levee systems in Slidell for FEMA-consideration in the development of new Digital Flood Insurance Rate Maps. McCurdy served as the Survey Manager, review and stamping final deliverables.		

Firm employed by Coastal Environments, Inc.			
Name	Walker Wilson, M.S.		Years of relevant experience with this employer
Title	Project. Sci. II: Wildlife Biologist/Wetland Biologist		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		 M.S./2005/Louisiana State University/Wildlife B.S./2001/Louisiana State University/Wildlife and Fisheries B.S./1999/Louisiana State University/Zoology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Will serve as Environmental / Wetlands Specialist. Senior Biologist: Wetland Delineation. Biological Assessments & T&E Species surveys and preparation of Biological Assessment and mitigation, if required.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/12 - 06/15	H.005403.2. STAGE 1 EA, LA HWY 408-HOOPER RD. EXTENSION & WIDENING (LA 16-SULLIVAN RD), E BATON ROUGE & LIVINGSTON PARISHES: Senior Biologist. In coordination with USFWS & LDOTD, prepared Biological Assessment involving scuba diving at two alternate crossings of Amite River, for federally listed Alabama (inflated) Heelsplitter Mussel. Conducted wetland delineation for one project alternate and co-authored wetland findings report and wildlife assessment and sections of EA on wetlands, vegetation, & wildlife.		
01/13 - 12/13	LADOTD, AMES BOULEVARD BETWEEN THE WEST BANK EXPRESSWAY AND HAPPY STREET, JEFFERSON PARISH, LOUISIANA (24631): Eustis Engineering completed concrete and asphalt testing and inspection services for this project. As the project manager, Mr. Richards reviewed the reports and provided quality control checks of our services.		
04/13 - 12/13	LADOTD, GIRDER SPAN BRIDGE REPAIRS, EARHART EXPRESSWAY AND CLEARVIEW PARKWAY INTERCHANGE, METAIRIE, LOUISIANA (23954): This project included quality control inspections and testing of concrete and grout, as well as a special inspector for high strength grout. Mr. Richards was Project Manager for this work.		
10/18 - 05/19	H.009488.1. STAGE 0 FEASIBILITY STUDY LA 378 IMPROVEMENTS WESTLAKE TO MOSS BLUFF, CALCASIEU PARISH: Senior Biologist. Conducted investigation of wetlands & T&E species; prepared Environmental Checklist and summary report of findings and methodology.		
02/10 - 06/15	H.01008.1. STAGE 0 FEASIBILITY STUDY LA 156 IMPROVEMENTS, WINN PARISH: Senior Biologist. Conducted investigation for wetlands and Threatened and Endangered species; prepared Environmental Checklist and summary report of findings.		
08/18 - 09/18	SOUTHLAND TERMINALS TRACT, UPDATED WETLAND DELINEATION, ASCENSION PARISH, LA: Senior Biologist. Conducted a wetland delineation on a ±61.29-ac tract, authored a delineation report, submitted it to the USACE-NOD and received a Preliminary JD.		
06/23 – 07/23	H.004891. US 61 / I-10 CONNECTOR EIS, ST. JOHN THE BAPTIST PARISH: Senior Biologist. Conducted aerial reconnaissance to locate and map Bald Eagle nests and colonial nesting bird colonies as part of biological assessment for two alternate alignments.		
10/22 – 01/23	CLECO LLC JAMES PROPERTY, RAPIDES PARISH: Senior Biologist. Conducted wetland delineation on a ±122-ac property.		
11/13 - 11/15	LAKE LERY MARSH RESTORATION-CIAP, ST. BERNARD PARISH: Senior Biologist. Conducted wetland delineation for marsh enhancement and creation project west of Bayou Terre aux Boeufs. Conducted submerged aquatic vegetation survey and a nesting bird survey and prepared wetland delineation report for submittal to USACE, New Orleans District for JD.		
05/13 - 12/13	CLECO BISTINEAU TIE LINE, RED RIVER PARISH: Senior Biologist. Performed environmental surveys and helped write an Environmental Assessment for the NRCS on tract of land registered in Wetland Reserve Program. Assisted Cleco in getting necessary permits for installing buried transmission lines on tract. Coordinated with USFWS to receive a concurrence of negligible impact for Cleco Power LLC.		
08/22 – 09/22	HERO TRACT 18-AC WD, PLAQUEMINES PARISH: Senior Biologist. Conducted wetland delineation on ±18-ac tract, including forensic delineation on a partially filled residential development site. Authored wetland delineation report and submitted to USACE, NOD.		

17. Firm Experience

Firm name	Design Engineering, Inc.		Past Performance Evaluation Discipline(s)*	Bridge, CE&I/OV
Project name	CAUSEWAY BOULEVARD/AIRLINE DRIVE INTERCHANGE REHABILITATION		Firm responsibility (prime or sub?)	Prime
Project number	JP No. 2017-012-RBP	Owner's name	Jefferson Parish	
Project location	Jefferson Parish, LA		Owner's Project Manager	Mark Drewes
Owner's address, phone, email	1221 Elmwood Park Blvd., Jefferson, LA 70123, (504) 736-6505, mdrewes@jeffparish.net			
Services commenced by this firm (mm/yy)	02/14	Total consultant contract cost (\$1,000's)		\$4,212
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$4,002

The Causeway Boulevard/Airline Drive Interchange was originally constructed nearly 70 years ago by the Greater New Orleans Expressway Commission (GNOEC) and consists of a four-lane overpass, eight ramps, and an elevated traffic circle. Design Engineering, Inc. (DEI) has provided and continues to provide structural evaluation, load rating, design, and construction engineering and inspection (CE&I) services for this multi-phase project involving the Interchange.

Phase 1: DEI performed a comprehensive structural evaluation of the Causeway Boulevard Overpass from Abutment H-2 to Bent H-42, Ramps 1, 4, 5, 6, 7, and 8, and the Traffic Circle. Based on the inspection observations, the existing steel girders and bridge deck were load rated in accordance with the AASHTO Manual for Bridge Evaluation with consideration of the current condition of structural components. Ramp 1 and portions of the Traffic Circle, both of which were inspected and load rated by DEI, are now owned by DOTD and part of the Causeway Blvd – Earhart Expressway, Ph1A (CE&I) project.

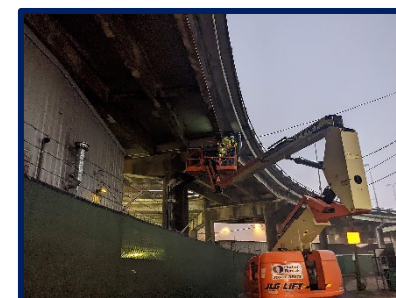
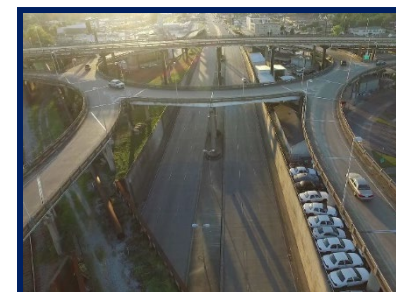
Phase 2: DEI designed and performed CE&I to rehabilitate Ramps 6, 7, and the Overpass. The rehabilitation included structure jacking to facilitate construction (including maintaining traffic on the Overpass while it was lifted), replacement of deteriorated steel bearings with reinforced concrete risers and elastomeric bearing pads, corroded steel girder repairs, steel girder strengthening, bent repairs, full-depth deck and joint replacement, deck spall and crack repairs, epoxy-urethane overlay, drainage system rehabilitation, and other related items.

Phase 3: DEI is currently designing coating rehabilitation for Ramps 6, 7, and the Overpass, which includes full containment of the structural metalwork, blast cleaning and surface preparation of steel components in accordance with SSPC requirements, and coating.

Phase 4: DEI is currently designing rehabilitation of Ramps 4, 5, 8, and Traffic Circle, which includes similar work as Phase 2 but also addresses conflicts from existing structures underneath the bridge, railroad lines, and vertical clearance issues.

Key Personnel Involved

Jim Martin
John Holtgreve
Collin Gillen
Brady Pechon
Jay Rafferty
Gary Conerly



Firm name	Design Engineering, Inc.			Past Performance Evaluation Discipline(s)*	Road, Bridge, Other (Drainage Design)	
Project name	W. Esplanade Bridges at Duncan Canal				Firm responsibility (prime or sub?)	Prime
Project number	SP No. H.011731	Owner's name	Kenner Department of Public Works			
Project location	Kenner, LA			Owner's Project Manager	Jose Gonzelez	
Owner's address, phone, email	1610 3rd St., Kenner, LA, 70062, (504) 468-7515, jgonzalez@kenner.la.us					
Services commenced by this firm (mm/yy)	09/15	Total consultant contract cost (\$1,000's)			\$1,000	
Services completed by this firm (mm/yy)	07/21	Cost of consultant services provided by this firm (\$1,000's)			\$1,000	

This project is located at the confluence of West Esplanade Canal and Duncan Canal in the City of Kenner (Jefferson Parish). The primary objective was to reduce hydraulic restrictions in both canals by removing aging wooden bridge structures and replacing them with two large, modern double-barrel concrete box culverts (two culverts per canal).

A secondary objective is to reduce the "perch" of the bridges so that traffic sight lines are improved. This will result in increased driving safety. The redesigned crossings offer improved visibility for drivers in this high-traffic corridor adjacent to residential areas, retail outlets, and a major shopping mall.

An additional goal was to enhance the location aesthetically. The removal of unsightly structures and replacement with enclosed culverts allowed for the addition of green space, decorative landscaping, and potential future recreational use.

Design Engineering, Inc. (DEI) performed both the structural design of the culverts and the hydraulic analysis using the Jefferson Parish East Bank full model, which was modified specifically for this project. The Duncan Canal box culverts alone are over 13 feet tall and 80 feet wide at the openings, underscoring the scale and complexity of the design (the actual structure is of course much larger).

**Key Personnel
Involved**

Jim Martin
John Holtgreve



Firm name	Design Engineering, Inc.		Past Performance Evaluation Discipline(s)*	Bridge, CE&I/OV
Project name	MACARTHUR DRIVE INTERCHANGE			Firm responsibility (prime or sub?) Prime
Project number	SP No. H.002550	Owner's name	Jefferson Parish	
Project location	Jefferson Parish, LA		Owner's Project Manager	Mark Drewes
Owner's address, phone, email	1221 Elmwood Park, Suite 802, Jefferson, LA, (504) 736-6505, mdrewes@jeffparish.net			
Services commenced by this firm (mm/yy)	06/03	Total consultant contract cost (\$1,000's)		\$38,400
Services completed by this firm (mm/yy)	06/16	Cost of consultant services provided by this firm (\$1,000's)		\$2,400

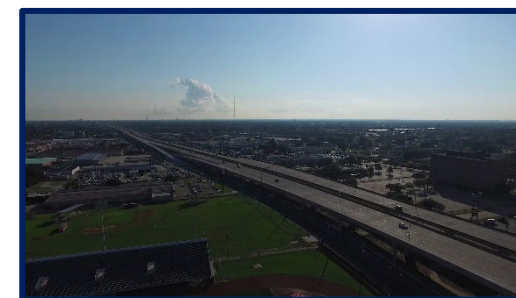
Design Engineering, Inc. (prime consultant) was responsible for the feasibility study, stage zero, preliminary and final design, and construction services for this project which included a study of several alternatives. DEI worked extensively with Jefferson Parish and the LaDOTD to design a system that met the needs of the Parish and followed the requirements of the LaDOTD and the FHWA where traffic congestion was a paramount consideration.

Design Engineering, Inc. contracted with the Louisiana Department of Transportation and Development (LaDOTD) to provide Construction Engineering Services during construction of the named projects. The project was constructed in two (2) phases and the construction cost of the project was over \$42.6 mil.

Phase 1 of the project consisted of relocation of the existing at-grade frontage road, drainage improvements, utility relocations, and right of way acquisition from Manhattan Blvd. to Peters Road, a distance of 3900 Linear Feet. During construction DEI reviewed shop drawings, responded to RFIs, and coordinated utility relocations for both public and privately owned utilities including Entergy, Louisiana Gas Co., AT&T, and the Jefferson Parish Water and Sewage Departments. DEI also prepared plan changes resulting from changed conditions and to accommodate contractor operations, reviewed proposed change order requests, and attended public meetings to provide project updates to the public. The cost for this phase of the project was \$4.6 mil.

Phase 2 of the project included the widening of the existing elevated Westbank Expressway from Manhattan Blvd. to the Harvey Canal to accommodate a new entrance ramp and exit ramp. Design Engineering, Inc. (DEI) was the prime for the team of engineering firms selected by the LaDOTD to provide Construction Engineering Services for phase 2 of the project. During construction, DEI attended bi-weekly project meetings, assisted the LaDOTD during those meetings, and prepared meeting minutes. This phase of the work included demolition of an existing entrance ramp and demolition of a part of the existing elevated structure for approximately 4,000 LF in the westbound direction. The work also included installation of 387 HP 14x73 steel piles varying in length from 87 feet long to 116 feet long; installation of 44 24" square PPCP 98 feet to 103 feet long; coordination with geotechnical engineers and contractor to monitor settlement; assisting DOTD with observation of mass concrete pours; and placing precast prestressed trapezoidal concrete girders on newly constructed piers. The girders varied in length from 75 feet to 153 feet. DEI also prepared plan changes and participated in quarterly teaming meetings. This phase of the work cost approximately \$38 mil and was completed in approximately 2½ years. During this phase of the work DEI managed and coordinated the work of five (5) subconsultants. This project has received outstanding reviews from the motoring public, Jefferson Parish, and DOTD.

DEI performed construction engineering on this project via contract with the DOTD. **DEI received the highest grade possible from the DOTD project manager for these services.** DEI also won the ACI Best Project of the Year award for this project.



Key Personnel Involved

Jim Martin
John Holtgreve
Gary Conerly

Firm name	Design Engineering, Inc.		Past Performance Evaluation Discipline(s)*	Road, Other (Drainage Design)
Project name	WEST ESPLANADE AVENUE CANAL CROSSING		Firm responsibility (prime or sub?)	Prime
Project number	JP No. 2015-030-RB	Owner's name	Jefferson Parish	
Project location	Jefferson Parish, LA		Owner's Project Manager	Mark Drewes
Owner's address, phone, email	1221 Elmwood Park, Jefferson, LA, (504) 736-6505, mdrewes@jeffparish.net			
Services commenced by this firm (mm/yy)	02/16	Total consultant contract cost (\$1,000's)	\$500	
Services completed by this firm (mm/yy)	01/19	Cost of consultant services provided by this firm (\$1,000's)	\$500	

Design Engineering, Inc. (DEI) was contracted by Jefferson Parish to provide feasibility/conceptualization, hydraulic modeling, preliminary and final design plans, construction administration, and resident inspection services for improvements to the West Esplanade Avenue Crossing, located between Williams Boulevard and Power Boulevard.

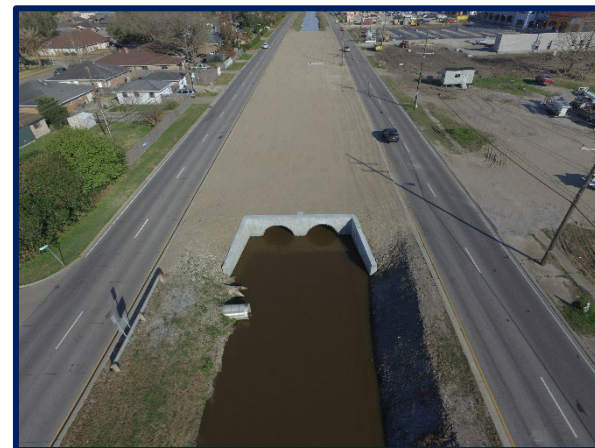
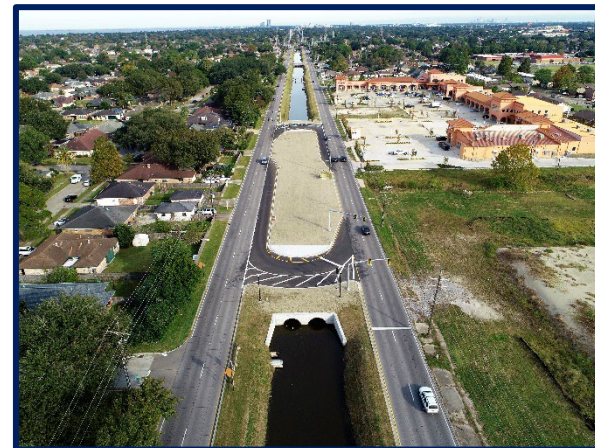
The scope involved significant drainage and roadway improvements, including the installation of approximately 500 linear feet of twin 96-inch reinforced concrete arch pipes with reinforced concrete U-shaped transition structures and headwalls to facilitate canal crossing under West Esplanade Avenue. The project also included large-scale confluence box structures and innovative design adjustments to existing drainage laterals to accommodate the use of recycled materials — achieving both cost savings and applying a resilient design approach.

The West Esplanade Avenue Median Canal Crossing also consisted of the following:

- A 50-foot taper to a 100-foot storage lane for an east-to-west U-turn,
- A 4-lane crossing with an integrated traffic signal system,
- A 50-foot taper to a 200-foot storage lane for a west-to-east U-turn,
- Associated median modifications, landscaping, and street lighting.

**Key Personnel
Involved**

Jim Martin
John Holtgreve



Firm name	Design Engineering, Inc.		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Multiple Bridge Replacements No. 2 Flanacher Road (A), Flanacher Road (B) and Barnett Road		Firm responsibility (prime or sub?)	Prime
Project number	BR Project No. 800480	Owner's name	City of Baton Rouge DPW	
Project location	Baton Rouge Parish, LA		Owner's Project Manager	Tom Stephens
Owner's address, phone, email	100 St. Ferdinand Street, Room No. 409, Baton Rouge, LA (225) 389-3186, tstephens@brgov.com			
Services commenced by this firm (mm/yy)	06/12	Total consultant contract cost (\$1,000's)		\$340
Services completed by this firm (mm/yy)	08/14	Cost of consultant services provided by this firm (\$1,000's)		\$340

This project involved the replacement of three (3) existing bridge structures located on a rural collector road in Zachary, Louisiana. The design followed LADOTD's Roadway Design Procedures and Details Manual, LADOTD's Hydraulic Manual, and the Federal Aid Off-System Highway Bridge Program Guidelines.

DEI was responsible for preparing the hydraulic study to determine the appropriate replacement structure type, as well as completing the preliminary and final design, construction administration, and resident inspection services. Due to the age of the existing structures, the original horizontal and vertical roadway alignment did not meet AASHTO "Green Book" (2011) standards. DEI redesigned the alignment to bring it into compliance.

DEI also managed and coordinated the geotechnical and surveying subconsultants throughout the design process and provided cost estimates and permit exhibits as required by federal, state, and local agencies.

**Key Personnel
Involved**

Jim Martin
John Holtgreve



Firm name	Bryant Hammett & Associates, LLC		Past Performance Evaluation Discipline(s)*		Survey	
Project name	Utility Relocation for Ouachita Bridge Construction			Firm responsibility (prime or sub?)		Prime
Project number	S.P. 39-03-0015 & 39-04-0036	Owner's name	Village of Harrisonburg			
Project location	Catahoula Parish			Owner's Project Manager	Mike Tubre	
Owner's address, phone, email	108 Sicily Island Street, Harrisonburg, LA 71340; (318) 744-5794; mtubre47@gmail.com					
Services commenced by this firm (mm/yy)		07/12	Total consultant contract cost (\$1,000's)			Unkown
Services completed by this firm (mm/yy)		08/14	Cost of consultant services provided by this firm (\$1,000's)			\$88

This project involved the relocation of utility infrastructure, including waterlines, gas lines, sewer lines, and a pump station owned and operated by the Village of Harrisonburg. Specifically, the scope of work encompassed relocating 2", 3", and 6" waterlines and service lines; 2" steel gas mains and service lines; 8" gravity sewer lines and associated manholes; and a sewerage pumping station along LA 124 and LA 8 within the Village of Harrisonburg.

All remaining dwellings within the project area requiring utility connections were reconnected to gas, water, and sewer services as necessary. Valves and meters were relocated to accommodate the proposed right-of-way (ROW) and the requirements of the Louisiana Department of Transportation and Development (DOTD) and the Village of Harrisonburg.

Key Personnel Involved

Bryant O. Hammett, Jr.,
PE, PLS

Womack & Sons Construction Group was the low bidder, and enhancements included the use of HDPE DR 11 pipe for the waterlines and HDPE pipe for the sewer mains. This relocation was necessitated by the existing utilities obstructing the Ouachita Bridge relocation and improvements for LA Highway 8 in Catahoula Parish.

Bryant Hammett & Associates provided a comprehensive range of services for this project, including topographic and right-of-way surveying, preliminary and final design, permitting, bidding and negotiation support, construction layout, and construction inspection.

Firm name	Bryant Hammett & Associates, LLC		Past Performance Evaluation Discipline(s)*		Survey	
Project name	Dickory Avenue Extension (Hickory Ridge Lane to Jefferson Hwy (La 48)			Firm responsibility (prime or sub?)		Sub
Project number	S.P. No. 826-44-0027; H.004359	Owner's name	Jefferson Parish			
Project location	Jefferson Parish			Owner's Project Manager	Neil Schneider	
Owner's address, phone, email	1221 Elmwood Park Blvd; Suite 906, Jefferson, LA 70123 Phone: 504-736-6833 nschneider@jeffparish.net					
Services commenced by this firm (mm/yy)		06/20	Total consultant contract cost (\$1,000's)			Unkown
Services completed by this firm (mm/yy)		07/21	Cost of consultant services provided by this firm (\$1,000's)			\$101

Bryant Hammett & Associates is provided a LA DOTD survey of the proposed Dickory Avenue extension corridor connected Dickory Avenue to Jefferson Hwy. BHA performed a topographic survey collecting information on items such as culverts, drains, inlets, pavements, bushes, trees, perimeter outlines of heavily wooded areas, vegetation, utility poles, overhead electric, fences, curbs, driveways, etc. Additionally, finished floor elevations were collected on any buildings that fall within the limits of the survey.

Cross sections were collected within the survey corridor from right-of-way to right-of-way at 100-foot intervals.

Utilities such as valves, hydrants, meters, utility poles, utility boxes, overhead electric lines, communication systems were collected. Manhole inverts for drainage and sewerage lines were obtained in the field for profile information.

BHA obtained the names and addresses of all companies and individuals who own utility facilities within the area that was surveyed.

BHA also prepared a drainage map in accordance with LADOTD Existing Drainage Map Standards. BHA confirmed drainage patterns, structure sizes and inverts, etc. The drainage map will show the survey line, the outline of the watershed area, and all structures/ditches.

All surveying procedures and drafting were in accordance with the LA DOTD Location and Survey Manual and submitted to DOTD for review.

Key Personnel Involved

Bryant O. Hammett, Jr.,
PE, PLS
Hugh McCurdy, PLS
Jeff Carey CFM, PLS

Firm name	Coastal Environments, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	US HWY 61 – I-10 Connector EIS		Firm responsibility (prime or sub?)	Sub
Project number	H.004891	Owner's name	LDOTD / NO Regional Planning Commission	
Project location	St. John the Baptist Parish		Owner's Project Manager	Jeff Roesel
Owner's address, phone, email	10 Veterans Memorial Blvd., New Orleans, LA 70124, (504) 483-8500, jroesel@norpc.org			
Services commenced by this firm (mm/yy)	02/10	Total consultant contract cost (\$1,000's)		Unkown
Services completed by this firm (mm/yy)	02/15	Cost of consultant services provided by this firm (\$1,000's)		\$75

The Regional Planning Commission proposes to construct a road to improve access from US 61 to I-10 in Reserve. As subcontractor to N-Y Associates, Inc., Coastal Environments, Inc. (CEI) provided environmental services related to the NEPA process: evaluated alternatives; documented environmental setting and potential impacts for alternates; prepared NEPA associated documents and sections of the environmental impact statement (EIS).

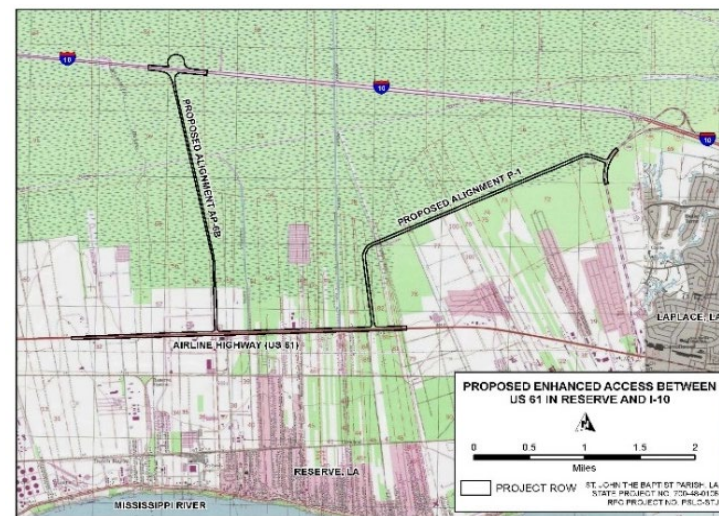
CEI biologists conducted background research; coordinated with biologists with LDWF & USFWS regarding T&E species; conducted field surveys to delineate wetlands using USACE criteria; flew the area seeking locations of Bald Eagle nests and colonial nesting bird colonies; prepared report of findings for FHWA & USACE and described environmental setting and impacts. Alternate AP-6B would impact more wetlands than Alternate P-1; but neither alternate would impact T&E species.

CEI archaeologists and historians conducted literature and records review, standing structure surveys and shovel testing along the P-1 and AP-6B corridors. one standing structure form was prepared. The cultural resources report documented the area's history, research and survey methodology and reported no archaeological sites.

The **Environmental Site Assessment Phase 1 investigation** was conducted according to ASTM protocols to identify: 1) potential, abandoned hazardous and solid waste sites, 2) active hazardous waste generators, 3) facilities that treat, store, and/or dispose of hazardous wastes and 4) underground and aboveground storage tanks. No recognized environmental conditions were identified for either alternate.

Deliverables: Reports for Wetland Findings, ESA 1, Cultural Resources; Standing Structure Survey Form; EIS sections on wetlands, T&E species, cultural resources, hazardous materials.

Karen Wicker: Supervisor-Other, NEPA; **Walker Wilson:** Wetlands, T&E; **Sara Hahn:** Architectural Historian/Archaeologist



Firm name	Coastal Environments, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	MFI-Kinder Morgan Property Wetland Delineation & ESA I		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Mexichem Flour, Inc.	
Project location	Iberville Parish, LA		Owner's Project Manager	Erik Comeaux
Owner's address, phone, email	4990B ICI Road; 225-776-6259; Erik.comeaux@mexichem.com			
Services commenced by this firm (mm/yy)	04/19	Total consultant contract cost (\$1,000's)		Unkown
Services completed by this firm (mm/yy)	12/22	Cost of consultant services provided by this firm (\$1,000's)		\$59.7

Synopsis: As part of project planning and due diligence, Mexichem Flour, Inc. contracted Coastal Environments, Inc. (CEI) to conduct a wetland delineation and an Environmental Site Assessment Phase I (ESA1) investigation on a 102-ac tract near St. Gabriel. The company planned to purchase the property from Kinder Morgan for a proposed expansion of the existing Mexichem Fluor, Inc. facility. CEI was asked to resurvey the property in November 2021 and update the wetland delineation and ESAI because of delays in acquisition of the property by Koura Global.

Methodology: Wetland Delineation: The property consisted of forest, pasture, drainage ditches, abandoned railroad spur and power transmission line ROW. A CEI biologist conducted the wetland delineation, marking with coded flags and GPS the wetland demarcation line following USACE nationwide criteria and a regional directive from the New Orleans District. For each sample plot recorded with GPS, a photograph and soil sample were taken, and field data form was completed to show soil types, hydrologic status and vegetation species and their hydric designation. GPS data were used to create a wetland delineation map and calculate area of wetlands and other waters of the U.S. A Wetland Findings report, including wetland map showing wetlands and demarcation data points, table of GPS data points and descriptions, site photographs, field data forms, description of the site's vegetated habitats, hydrology, soils, historic aerial photographs and topographic map showing wetlands, was submitted to USACE, NOD for Jurisdictional Determination and use in permit application.



A CEI Biologist conducted a Phase I Environmental Site Assessment to identify potential contamination that could be affected by project construction and included onsite field investigation; regulatory agency data review, personal interviews and review of documents, historic maps and aerial photographs of the property. The study was conducted in compliance with standards established by the American Society for Testing for Materials (ASTM). Procedures described in this document were used to determine if any REC, HREC or CREC, including hazardous waste generators and underground storage tank facilities/sites, are present on the site. The ESA-1 contained a summary of findings; site description; methodology; client provided data; records review discussion; site reconnaissance description; information from interviews; evaluation of information and summary of findings; references; and appendices.

Deliverables: Wetland Delineation Report (2019 and 2022 update); ESA-1 Report (2019 and 2021 update) Application/acquisition of USACE Jurisdictional Determination.

Firm Members Involved: Karen Wicker (Principal); Walker Wilson (Biologist/Wetland Delineation); Hunter Guidry (Environmental Professional/ESAI/Permitting) and Kaitlin O-Shee (Senior GIS Specialist)

Firm name	Coastal Environments, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Stage 1 EA, Hooper Rd Extension & Widening		Firm responsibility (prime or sub?)	Sub
Project number	H.005403.2	Owner's name	LDOTD	
Project location	East Baton Rouge and Livingston Parishes, LA		Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802, (225) 379-1733, Nicholas.Olivier@la.gov			
Services commenced by this firm (mm/yy)	05/12	Total consultant contract cost (\$1,000's)		Unkown
Services completed by this firm (mm/yy)	06/15	Cost of consultant services provided by this firm (\$1,000's)		\$136.66

Synopsis: The LDOTD proposes to widen and extend Hooper Rd (LA 408) from its existing terminus at LA 37/64 to LA 16 and construct a new bridge over the Amite River. CEI, subcontractor to N-Y & Associates, Inc., conducted surveys to document setting and environmental effects of three alternatives on wetlands, threatened and endangered (T&E) species, cultural resources and hazardous materials.

Methodology/Results: Wetlands & Threatened and Endangered Species: CEI biologists researched databases; coordinated with LDWF, USFWS and LDOTD biologists and conducted field surveys. A wetland delineation was prepared according to USACE criteria for three alternative ROWs. A Wetland Findings report was prepared according to FHWA criteria and results reported in the EA.

CEI biologists consulted with USFWS, LDWF and LDOTD and conducted aquatic field surveys in vicinity of two alternative bridge crossings of the Amite River for the Alabama (Inflated) Heelsplitter Mussel; none was located.

Hazardous Wastes: An ESA-Phase 1 survey was performed according to ASTM standards. No sites of environmental concern were identified.

Cultural Resources: A Cultural Resources Report and a Sec. 106 Adverse Effect Documentation were developed through field surveys of potential area of impact for three alternative sites and records searches at LA Div. of Historic Preservation and Div. of Archaeology. No archaeological remains were found and no archaeological sites were recorded. A total of 78 structures constructed before 1968 were examined and sixty-three of these were common to all alternatives. No structures was considered eligible for listing on the HRHP.

Deliverables: Wetland Findings Report, Biological Assessment (Alabama [Inflated] Heelsplitter Mussel); ESA 1 report; Cultural Resources Report, Section 106 Adverse Effect Documentation; sections of EA on wetlands, T&E species, cultural resources, hazardous materials.

Firm Members Involved: Karen Wicker: Supervisor-Other; Walker Wilson: Biologist/Wetland Delineation; David Kelley: Principal Investigator/Archaeologist; Sara Hahn: Architectural Historian/Project Manager



18. Approach and Methodology:

NORTH ACHORD RD OVER DRAINAGE BAYOU

Project Understanding:

Design Engineering, Inc. (DEI) understands that the proposed project involves the replacement of an aging off-system bridge located along North Achord Road in East Baton Rouge Parish. This bridge crosses a drainage bayou and serves as a critical component of the local roadway infrastructure, providing connectivity for residential, agricultural, and emergency vehicle traffic. Over time, the structure has deteriorated, becoming functionally obsolete and structurally deficient. The project, funded through the Louisiana Department of Transportation and Development (DOTD) Off-System Bridge Program under Contract No. 4400030644, seeks to design and construct a modern crossing that ensures long-term safety, serviceability, and hydraulic performance in compliance with current design and environmental standards.

The existing bridge, identified as Structure No. 611730236905971, exhibits visible signs of aging, including deteriorated railings and limited lane width, and is located in a low-lying flood-prone zone. The existing bridge likely fails to meet today's hydraulic and load-carrying requirements. Replacing it will mitigate flood risk, improve drainage, and increase vehicular safety. The new structure will be designed to accommodate present and future traffic demands and will comply with DOTD and AASHTO LRFD Bridge Design Specifications. DEI understands the importance of providing a cost-effective design that also minimizes future maintenance obligations and provides resilience

to increasingly severe weather conditions and stormwater events.

Our team recognizes that the project area is environmentally sensitive, involving coordination with multiple agencies, including the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and the Louisiana Department of Environmental Quality. Wetlands delineation, environmental clearance, and

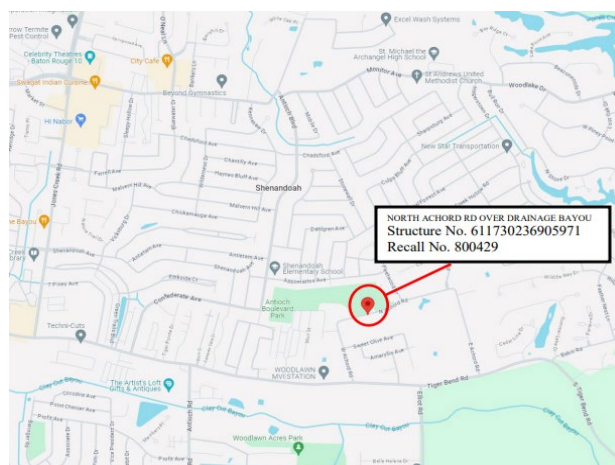


Figure 1: Proposed Project Location

preparation of a Categorical Exclusion (CE) document will be critical early tasks to ensure project compliance and avoid permitting delays.

Given that this is an off-system bridge replacement, the project requires a thorough understanding of DOTD's Hydraulics Manual and Off-System Bridge Program Guidelines. The new crossing must be sized and located based on a rigorous hydraulic analysis, with consideration given to freeboard, backwater effects, and velocity impacts on surrounding land and structures. DEI's hydraulic team will conduct modeling to evaluate stormwater conveyance

through the bayou and will coordinate with DOTD's Hydraulics Section to ensure that the selected structure meets all performance criteria.

Coordination with utility owners and adjacent property stakeholders will also be a key element of the work. The project may require right-of-way acquisition or temporary construction servitudes. DEI will ensure that all ROW mapping, property research, and title take-offs comply with DOTD Location and Survey Manual Addendum A.

Our multidisciplinary approach emphasizes early identification of potential risks—such as environmental permitting hurdles, hydraulic constraints, and ROW conflicts—to mitigate delays and keep the project on schedule. DEI's team of experienced engineers, surveyors, environmental specialists, and support staff will work in close coordination with DOTD and East Baton Rouge Parish throughout every phase of design.

DEI and our team will comply with all relevant DOTD manuals, including the Bridge Design & Evaluation Manual (BDEM), Hydraulics Manual, Location and Survey Manual and Addendum A, and Software and Deliverable Standards for Electronic Plans. Success will require coordination with DOTD, East Baton Rouge Parish, utility providers, environmental agencies, and local property owners.

The replacement structure must improve drainage flow, minimize upstream flooding risks, and be resilient to increased storm frequency. DEI will assess alternatives that consider hydraulics, constructability, cost, and long-term maintenance.

Project Approach:

PROJECT INITIATION AND KICKOFF: DEI At the start of the project, DEI will host a formal kickoff meeting with representatives from DOTD, East Baton Rouge Parish, and subconsultants Bryant Hammett & Associates (BHA) and Coastal Environments, Inc. (CEI). This meeting will establish the project's schedule, communication protocol, design milestones, and deliverable expectations. DEI will prepare a comprehensive Project Execution Plan outlining responsibilities, reporting structures, QA/QC procedures, and timelines. Tools such as Microsoft Project and ProjectWise will be used for task tracking and document management.



Figure 1: W. Esplanade Bridges at Duncan Canal

SURVEYING SERVICES: Bryant Hammett & Associates, L.L.C. (BHA) will lead surveying services. In accordance with the Location and Survey Manual and the Off-System Bridge Program Survey Procedures, a complete Stage 3, Part I (a) topographic survey will be conducted. This will include boundary, property, drainage, and topographic features. Survey data will be gathered using GPS and total station equipment

tied to the Louisiana State Plane Coordinate System.

All data will conform to LADOTD Software and Deliverable Standards for Electronic Plans. The transmittal letter will include a certification by the Surveyor of Record that the field survey is complete, correct, and acceptable for engineering design. The project design engineer will also certify that the data is acceptable for design use.

If necessary, DEI will provide a Stage 3, Part I (b) property survey, including a base right-of-way (ROW) map per Addendum A of the Location and Survey Manual. The ROW map will include the project centerline, parcel lines, ties to ownership boundaries, and approximate take areas for parcels. Supporting documentation will include an ASCII monument list, title take-off PDFs, plat references, MicroStation DGN files, and PDF copies of the property plat. All ROW mapping will follow DOTD formatting and standards, with a 60% review set provided to DOTD.

TITLE TAKE-OFF: If needed, DEI will prepare a Title Take-Off report for each affected parcel to confirm ownership and provide documentation for the ROW mapping. These reports will include deeds, maps, and survey documents. Coordination with local clerk offices and public records will ensure the accuracy of each parcel's title status and survey alignment.

ENVIRONMENTAL REVIEW AND PERMITTING: Coastal Environments, Inc. (CEI) will initiate environmental clearance tasks immediately following the approval of the selected replacement structure. CEI will distribute Solicitation of Views (SOV) packets to all relevant agencies and document responses per DOTD guidelines. CEI will prepare the Categorical Exclusion (CE) documentation and coordinate closely with the DOTD Environmental Section to support approval.

CEI will also lead wetlands investigations following

Corps of Engineers (COE) protocols. Ground-level field verification of all potentially impacted wetlands—including required, temporary, and servitude areas—will be conducted. Each wetland will be classified by type and plotted on USGS quadrangle and plan sheets with corresponding stationing. Soil samples will be taken with photographs of the sample and Munsell Soil Chart in the same frame. GPS data and the Atlantic and Gulf Coastal Plain Region Wetland Determination Forms will be compiled and used to produce a publishable



Figure 2: Macarthur Drive Interchange

Wetland Findings Report.

This report will include site photographs, vegetative descriptions, wetland area calculations, mapping, and documentation of all field efforts. The completed Wetland Findings Report and the SOV package, including Preliminary Jurisdictional Determination (PJD), will be submitted to the DOTD Off-System Program Manager. All documentation will meet DOTD's formatting standards for professional environmental reporting.

HYDRAULIC ANALYSIS: DEI's drainage team will perform a detailed hydraulic study of the bayou crossing. Using HEC-RAS and other industry-standard software, we will simulate the 10-, 25-, 50-

, and 100-year storm events, incorporating upstream and downstream boundary conditions and backwater effects. This will allow us to evaluate the performance of the existing crossing, identify any existing or potential flooding risks, and propose a replacement structure that mitigates these risks while ensuring no adverse impact to adjacent properties. The selected structure will comply with DOTD Hydraulic Manual guidance, provide appropriate freeboard and scour protection, and be designed to accommodate projected climate conditions. Hydraulic findings will be submitted to DOTD's Hydraulics Section for review and concurrence.

STRUCTURAL AND ROADWAY DESIGN: Based on hydraulic recommendations, constructability, cost, and long-term maintenance considerations, DEI will propose multiple bridge or culvert alternatives for DOTD and Parish review. Once a preferred alternative is selected, DEI will proceed with preliminary and final design using DOTD's Bridge Design and Evaluation Manual (BDEM) and AASHTO LRFD Bridge Design Specifications. The structural team, led by Joseph Parenti, E.I., will develop a 3D finite element model for accurate load path analysis and structural efficiency. All components, including superstructure, substructure, and foundations, will be designed for HL-93 live loads and other applicable load combinations. Where necessary, DEI will conduct geotechnical coordination to confirm soil capacity for pile or spread footing design.

Concurrently, DEI's roadway team will evaluate the existing approach geometry, adjusting horizontal and vertical alignment as needed to ensure compliance with AASHTO minimum design criteria and smooth vehicle transitions.

Roadway design will also include grading, drainage tie-ins, erosion control, and roadside safety features.

PROJECT MANAGEMENT AND COORDINATION:

Dr. Jim Martin, Ph.D., P.E., will serve as Principal-in-Charge and maintain direct communication with DOTD and the Parish. Project meetings will be held regularly to track progress, resolve issues, and maintain alignment with project goals. DEI uses project management tools like Microsoft Project and collaborative digital file sharing to ensure transparency and traceability.

PRELIMINARY PLANS



Figure 3: West Esplanade Ave Canal Crossing

DEI will prepare Stage 3, Part III preliminary plans using DOTD's CAD standards. The preliminary plan set will include:

- A title sheet
- Typical section sheet
- Plan/profile sheet (1"=50')
- Drainage map
- Construction signage plan
- General bridge layout
- Five cross-section sheets for the roadway

- One cross-section sheet for the stream channel
- All plans will be developed in MicroStation and indexed in DOTD's ProjectWise system. DEI will ensure consistency between plan views, profiles, cross-sections, and hydraulic recommendations. Comments from each milestone submission (30%, 60%, and 90%) will be addressed in a matrix and incorporated into subsequent plan revisions.

QUALITY ASSURANCE AND CONTROL

A formal QA/QC process will be applied throughout the project, in accordance with Chapter 3 of the DOTD BDEM. John Holtgreve, P.E., will serve as the QA/QC Manager and will lead reviews of survey data, hydraulic models, environmental reports, and plan sets. Collin Gillen, P.E., and Taylor Hebert, P.E., will support internal design documentation and coordination. All subconsultant deliverables will be reviewed under DEI's QA/QC protocols, and certifications will accompany all final submittals.

Milestone QA/QC reviews will be performed for:

- Survey certification and acceptance for design
- 30%, 60%, and 90% preliminary plan submissions
- Final plans, if authorized
- ROW deliverables
- Environmental and CE clearance

FINAL PLANS AND CONSTRUCTION SUPPORT (IF AUTHORIZED)

Upon satisfactory completion of the preliminary plans and environmental clearance, DEI may be authorized to proceed with Stage 3, Part IV Final Plans. These plans will build upon approved preliminary designs and include final construction notes, special provisions, utility adjustments, and itemized quantities.

If authorized, DEI will also support Stage 5, Parts I and II Construction Services, including shop drawing review, contractor coordination, RFI responses, and

final inspection assistance. Construction support services will be compensated based on specific rates of compensation.

Electronic Deliverables and ProjectWise Submissions: DEI will conform to DOTD's Software and Deliverable Standards for Electronic Plans. All design files and reports will be uploaded to the appropriate ProjectWise folders with required

metadata. Each milestone submission will include digitally signed PDF plans and supporting documents. DEI will implement required patches and CAD updates as needed and will incorporate automated publishing and attribute indexing in all submittals.

Responsiveness

DEI's commitment to responsiveness is unmatched. Our "always on" approach ensures that DEI is accessible for urgent needs, inquiries, or project changes—day or night, weekday or holiday. This dedication to availability enhances communication and expedites decision-making, providing reassurance to DOTD and project stakeholders. Our team consistently prioritizes clear and timely communication, enabling effective coordination throughout all project phases. When working previously for this LPA, the City has reached out to various DEI personnel (including principals) at all hours as needed.

Work Quality

Quality is at the heart of every service DEI provides. Our engineers and project managers

are widely regarded for their meticulous attention to detail, embodying the perfectionist mindset that defines DEI's approach. Employing highly credentialed professionals from institutions like LSU, Tulane, Stanford, and Columbia, DEI maintains a standard of excellence that ensures design precision, efficient construction management, and reduced risk of cost overruns. We believe that superior work



Figure 4: Florida Ave. Bridge

quality directly contributes to overall project success.

Cost Control

At DEI, we recognize that managing costs is a cornerstone of successful project delivery. Through careful planning, attention to design details, and strategic materials selection, DEI minimizes construction costs while maintaining high-quality outcomes. With a proven history of completing DOTD projects within budget, DEI is committed to financial prudence and delivering maximum value to our clients.

Ability to Meet Schedules and Deadlines

DEI's capacity to meet challenging deadlines is backed by a skilled team of over 25 professionals with extensive experience managing complex schedules. From unforeseen delays to aggressive project timelines, DEI's adaptive approach and deep understanding of DOTD LPA processes allow us to remain efficient and dependable. We align our resources with DOTD's objectives to ensure timely project delivery while maintaining the highest standards of quality.

Work Load

While we are currently managing several projects, the majority are in advanced stages or nearing completion. As such, our team has the capacity and availability to fully dedicate the necessary resources to successfully deliver the design for the North Achord Road Bridge Replacement within the required timeframe.




Project Schedule Overview

The scope of services for this project is anticipated to span four (4) years, with the initial design and environmental services estimated to take approximately two (2) years. The remaining time will allow for final plan development, bid phase support, and construction-related services, if authorized. Key phases include project initiation, surveying, environmental clearance, hydraulic analysis, plan development, right-of-way coordination, and final design and construction support.

Project Schedule



19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
 Design Engineering, Inc.	Bridge	4400009382, H.002956.5	Earhart Expressway at Dakin Street	\$15,814
	CE&I/OV	4400026029, H.014315.6	Grafton Drive Pavement Rehabilitation	\$37,042
	CE&I/OV	4400020651, H.013267.6	Scotlandville Pkwy to Dwtm BR Trail – PH 1	\$824,102
 Bryant Hammett & Associates, L.L.C.	N/A	N/A	N/A	N/A
 Coastal Environments, Inc.	Environmental	H.005720	Florida Avenue Expressway	(on hold) \$38,275
	Environmental	H.011328.2	I-49 South (Ricohoc to Berwick)	(on hold) \$336,188
	Environmental	H.008915.2	LA 3234 Ext from LA 1065-Hammond Airport	(on hold) \$798
	Environmental	H.000358	US190 LA 415: Lobdell Interchange	\$82,989
	Environmental	H.000358.2	Ground Penetrating Radar Survey US190: LA415&RR Overpass	\$83,722
	Environmental	H.005121.2	LA1: LA 415 Connector Widening	\$43,577

20. Certifications/Licenses:



Taylor Hebert, P.E.



Collin Gillen, P.E.



***Bryant Hammett & Associates, L.L.C.***

Firm Licenses

- Louisiana Economic Development Hudson Initiative
- SBA HUBZone Certified
- State Licensing Board of Contractors: Building Construction; Heavy Construction; Highway, Street, and Bridge Construction; Municipal and Public Works Construction
- State Licensing Board of Contractors: Residential Construction

Work Zone requirements certifications:

Jeff Carey: Certified Flagger, Traffic Control Technician, and Traffic Control Supervisor

***Coastal Environments, Inc.***

Walker Wilson:

ATSSA

Wetland Delineations



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Name	Type	City	Status
DESIGN ENGINEERING, INC.	Business Corporation	METAIRIE	Active

Previous Names

Business: DESIGN ENGINEERING, INC.

Charter Number: 34152346D

Registration Date: 8/15/1984

Domicile Address

3330 W. ESPLANADE AVE., STE. 205
METAIRIE, LA 70002

Mailing Address

C/O WALTER BAUDIER
3330 W. ESPLANADE AVE., STE. 205
METAIRIE, LA 70002

Principal Office Address

3330 W. ESPLANADE AVE., STE. 205
METAIRIE, LA 70002

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 8/15/1984

Last Report Filed: 7/19/2024

Type: Business Corporation

Registered Agent(s)

Agent: WALTER BAUDIER
Address 1: 3330 W. ESPLANADE AVE., STE. 205
City, State, Zip: METAIRIE, LA 70002
Appointment Date: 10/22/1997

Officer(s)

Additional Officers: No

Officer: WALTER BAUDIER
Title: Director
Address 1: 6514 PRATT DR.
City, State, Zip: NEW ORLEANS, LA 70122

Officer: ALICE C. BAUDIER
Title: Director
Address 1: 6514 PRATT DR.
Address 2: SUITE 205
City, State, Zip: NEW ORLEANS, LA 70122

Amendments on File (3)

Description	Date
Domicile, Agent Change or Resign of Agent	8/14/1987
Disclosure of Ownership	2/20/1998
Disclosure of Ownership	4/26/2005

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Name	Type	City	Status
COASTAL ENVIRONMENTS, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: COASTAL ENVIRONMENTS, INC.

Charter Number: 27701120D

Registration Date: 1/6/1967

Domicile Address

1260 MAIN STREET
BATON ROUGE, LA 70802

Mailing Address

1260 MAIN STREET
BATON ROUGE, LA 70802

Principal Office Address

1260 MAIN STREET
BATON ROUGE, LA 70802

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 1/6/1967

Last Report Filed: 1/9/2025

Type: Business Corporation

Registered Agent(s)

Agent:	CAPITOL CORPORATE SERVICES, INC.
Address 1:	8550 UNITED PLAZA BUILDING II, STE. 305
City, State, Zip:	BATON ROUGE, LA 70809
Appointment Date:	6/15/2022

Officer(s)

Additional Officers: No

Officer:	BETTY GAGLIANO
Title:	Director, Officer
Address 1:	929 E. LAKEVIEW DR.
City, State, Zip:	BATON ROUGE, LA 70810
Officer:	MARK GAGLIANO
Title:	Vice-President, Secretary/Treasurer, Director
Address 1:	18302 HOSMER MILL RD.
City, State, Zip:	COVINGTON, LA 70437
Officer:	KRISTIE GAGLIANO
Title:	Director
Address 1:	18302 HOSMER MILL RD.
City, State, Zip:	COVINGTON, LA 70437
Officer:	BETH MANLY
Title:	President
Address 1:	4995 KNIGHT DR.
City, State, Zip:	ZACHARY, LA 70791
Officer:	RICHARD WEINSTEIN
Title:	Vice-President
Address 1:	1260 MAIN ST.
City, State, Zip:	BATON ROUGE, LA 70802
Officer:	KAREN WICKER
Title:	Vice-President
Address 1:	1260 MAIN ST.
City, State, Zip:	BATON ROUGE, LA 70802
Officer:	MARK SCHEXNAYDER
Title:	Vice-President
Address 1:	1260 MAIN ST.
City, State, Zip:	BATON ROUGE, LA 70802

Amendments on File (15)

Description	Date
Disclosure of Ownership	11/22/1991
Disclosure of Ownership	4/28/1993
Disclosure of Ownership	8/15/1994
Disclosure of Ownership	2/5/1997
Disclosure of Ownership	12/30/1997
Domicile, Agent Change or Resign of Agent	2/23/2001
Disclosure of Ownership	3/14/2001
Appointing, Change, or Resign of Officer	10/7/2010
Amendment	7/2/2014
Administrative Termination	4/7/2015
1 2	

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Name	Type	City	Status
BRYANT HAMMETT & ASSOCIATES, L.L.C.	Limited Liability Company	FERRIDAY	Active

Previous Names

Business: BRYANT HAMMETT & ASSOCIATES, L.L.C.

Charter Number: 34608994K

Registration Date: 2/2/1998

Domicile Address

6885 HIGHWAY 84 WEST
FERRIDAY, LA 71334

Mailing Address

C/O BRYANT O. HAMMETT, JR.
6885 HIGHWAY 84 WEST
FERRIDAY, LA 71334

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 2/2/1998

Last Report Filed: 1/28/2025

Type: Limited Liability Company

Registered Agent(s)

Agent: BRYANT O. HAMMETT, JR.

Address 1: 6885 HIGHWAY 84 WEST

City, State, Zip: FERRIDAY, LA 71334

Appointment

Date: 2/2/1998

Officer(s)

Additional Officers: No

Officer: BRYANT O. HAMMETT, JR.

Title: Manager, Member

Address 1: 6885 HWY 84

City, State, Zip: FERRIDAY, LA 71334

Officer: DOROTHY ELIZABETH HAMMETT TANNER

Title: Manager

Address 1: 1135 ABERDEEN AVENUE

City, State, Zip: BATON ROUGE, LA 70808

Amendments on File (1)

Description	Date
Appointing, Change, or Resign of Officer	7/30/2024

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21. QA/QC Plan:

Design Engineering, Inc. (DEI), as the Prime Consultant, presents the following Quality Assurance/Quality Control (QA/QC) Plan in accordance with the Louisiana Department of Transportation and Development (DOTD) requirements. This plan meets the minimum requirements set forth in **Part I, Chapter 3 of the DOTD Bridge Design & Evaluation Manual (BDEM)** and follows the evaluation criteria listed in **Appendix G – QA/QC Grading Matrix** of the BDEM. This QA/QC Plan applies to all bridge design services performed under this contract, including subconsultant deliverables, and will be implemented throughout the design and construction support phases.

1. QA/QC Objectives

- Ensure all project deliverables meet DOTD standards, specifications, and requirements.
- Prevent design errors, omissions, and constructability issues.
- Provide systematic review and documentation of all submittals.
- Maintain client satisfaction and safety standards

2. Roles and Responsibilities

- **Dr. Jim Martin, Ph.D., P.E. – Principal-in-Charge**
Ensures appropriate staff are allocated, milestones are met, and overall QA objectives are fulfilled. Dr. Martin will be directly accessible for elevated concerns.
- **Mr. Holtgreve, P.E. – Project QA/QC Manager**
Responsible for overseeing the QA/QC process, conducting formal reviews of design plans, reports, and specifications. Reviews all RFIs and submittals for quality and accuracy prior to submission.
- **Mr. Hebert, P.E. – Project Engineer**
Oversees day-to-day project execution and deliverables. Facilitates internal design checks, coordinates with subconsultants, and ensures all DOTD-required documentation is prepared and submitted properly.
- **Mr. Collin Gillen, P.E. – Deputy Project Engineer**
Assists with technical reviews and coordination with DOTD. Supports design documentation and ensures follow-through on QA/QC checklists.
- **Joseph Parenti, E.I. – Structural QA Support**
Assists in structural design review, bridge plan verification, and load rating checks to support high-quality bridge deliverables.
- **Mr. Bryant O. Hammett, Jr., P.E., P.L.S. – Survey QA/QC Lead (Bryant Hammett & Associates)**
Responsible for ensuring survey work complies with DOTD Location and Survey Manual and Off-System Bridge Program standards. Reviews topographic and right-of-way survey data, property research, and mapping deliverables. Provides certification of survey accuracy and completeness.
- **Mr. Walker Wilson, M.S. – Environmental QA/QC Lead (Coastal Environments, Inc.)**
Oversees all environmental deliverables including the SOV process, wetlands delineation, and CE documentation. Ensures that documentation meets FHWA/DOTD formatting, content, and photo log requirements. Reviews field data, GPS mapping, and wetland classification for accuracy prior to submittal.

3. Milestone Reviews

Formal QA/QC reviews will be conducted at the following milestones:

- **Stage 0 Review:** Coordination with DOTD and stakeholders to confirm project goals and identify constraints.
- **30% Preliminary Plans Review:** Initial alignment, typical sections, and drainage concepts will be reviewed for accuracy and feasibility.
- **60% Plans Review:** Detailed plan development, including profiles, cross-sections, structural components, and survey tie-ins.
- **90% Plans Review:** Final review for compliance with DOTD CAD standards, design criteria, environmental considerations, and utility coordination.
- **Final Plans Submittal:** Certification that plans and documentation are complete, coordinated, and construction-ready.

Each milestone review will include a formal QA/QC checklist and a comment-response matrix to document all revisions and responses.

4. QA/QC Activities by Project Stage

A. Survey Phase

- QA/QC reviews will verify horizontal/vertical control, completeness of topo and property surveys, and ensure compliance with DOTD Survey Manual.
- Certification letters will be reviewed and signed by the Surveyor of Record.

B. Hydraulics and Preliminary Plan Stage

- Hydraulic models and drainage alternates will be reviewed for compliance with the Hydraulics Manual and Off-System Bridge Guidelines.
- Plan sets (title sheet, plan/profile, general bridge plan, drainage map) will be checked for accuracy and constructability.

C. Environmental and SOV Documentation

- Environmental documents, including wetland delineations and reports, will be reviewed to ensure full documentation and photo logs per FHWA/DOTD standards.
- QA/QC will ensure all submittals include digital photos, GIS mapping, field datasheets, and Munsell soil charts.

D. Right-of-Way and Property Surveying

- Ensure all R/W maps, base maps, and title take-offs are complete, legible, and based on accurate property and topo surveys.

E. Final Plan Development (if required)

- Final plans will be reviewed for alignment with approved preliminary plans and environmental clearance documentation.
- Bid documents, specifications, and estimates will be verified for internal consistency.

F. Construction Support Phase (if required)

- Shop drawing reviews and field support activities will follow the same check-back-check-certify QA/QC protocol.

5. Constructability & Bidability Reviews

In addition to standard QA reviews, DEI will conduct a dedicated constructability and bidability review at the 90% stage. This includes:

- Verifying that quantities match proposed limits.
- Ensuring access and staging areas are feasible.
- Reviewing drainage tie-ins and bridge construction phasing.
- Verifying that special provisions and plan notes align with typical contractor workflows.

6. Documentation and Certification

All submittals will include a QA/QC Certification Sheet signed by the QA/QC Manager stating:

"This document has been reviewed in accordance with the approved QA/QC Plan and conforms to all DOTD standards and contract requirements."

Records of QA/QC markups, revisions, and approvals will be retained in DEI's project file for audit purposes.



7. Coordination with Subconsultants

- Bryant Hammett & Associates (Surveying) and Coastal Environments, Inc. (Environmental) will be provided the QA/QC checklist and deliverable standards at the project kickoff.
- DEI will conduct internal milestone reviews with subconsultants to verify progress and compliance.
- Subconsultant submittals are subject to the same QA/QC protocol and must be reviewed and certified by DEI.

8. Plan Management and Digital Submittals

- All plans and documents will be developed per DOTD CAD and Electronic Deliverables Standards.
- Final PDF plans will be signed digitally in ProjectWise and indexed with required metadata.
- QA/QC Plan compliance will be tracked via milestone reports from DOTD's ProjectWise system.

22. Sub-consultant information:

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u>)	Address	Point of Contact and email address	Phone Number
 Bryant Hammett & Associates, L.L.C.	1104 Dealers Avenue Harahan, LA 70123	Elizabeth Tanner etanner@bha-engineers.com	225-241-3745
 Coastal Environments, Inc.	1260 Main Street Baton Rouge, LA 70802	Jennifer Smith jsmith@coastalenv.com	225-571-9030

23. Location:

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