

Hartman Engineering, Inc.

Consulting Engineers

June 20, 2024

To:



**Subject: Provide Routine Engineering Services for WATER PROJECTS
In Jefferson Parish - SOQ 24-013
Resolution No. 144203
Response to Request for Statement of Qualifications**

We are pleased to respond to your Request for Statement of Qualifications on the above subject project. We are a Jefferson Parish engineering firm with over three decades of experience providing critical civil and environmental engineering services to public and private clients, including major drainage, roadway, and wastewater in planning, design, and management services. HEI has a proven history of providing excellent professional services to local clients and is therefore intimately familiar with local geographic and environmental conditions. We have uploaded our response for your review and consideration.

We believe our past and current experience on these projects will make us a prime candidate for consideration. Please feel free to contact us at 504-466-5667 if you require any additional information.

Sincerely,
Hartman Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Jared B. Monceaux'.

Jared B. Monceaux, P.E.
President

JBM/am

Enclosures



Provide Routine Engineering Services for

WATER PROJECTS

SOQ No. 24-013

HEI Hartman Engineering, Inc.
Consulting Engineers



Provide Routine Engineering Services for Water Projects in Jefferson Parish, LA

Submission Deadline:
June 21, 2024, at 3:30 PM

Statement of Qualifications:

Hartman Engineering, Inc.

527 W. Esplanade Avenue
Suite 300
Kenner, LA 70065
(504) 466-5667

mail@harteng.com
www.hartman-engineering.com

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provide routine engineering services for WATER PROJECTS in Jefferson Parish

SOQ 24-013

Resolution No. 144203

B. Firm Name & Address:



Hartman Engineering, Inc.
527 West Esplanade Avenue, Suite 300
Kenner, Louisiana 70065

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Jared B. Monceaux, P.E., President
LA License No. 32202 (2006)
 jmonceaux@harteng.com
 504-466-5667

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Jared B. Monceaux, P.E., President
LA License No. 32202 (2006)
 jmonceaux@harteng.com
 504-466-5667

E. Please provide the number of employees whose primary function corresponds with each category:

2	Administrative		Estimators		Specification Writers
	Architects (Licensed)		Geologists	1	Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
4	Civil Engineers		Interior Designers		Project Managers
2	Construction Inspectors		Landscape Architects		Clerical
	Ecologists		Land Surveyor		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
3	Engineer Intern	2	Environmental Engineers	2	Designer
	Professional Land Surveyors	1	CAD Draftsman	18	TOTAL
	Environmental Scientist	1	Transportation Engineer		

F. Is this submittal by a JOINT-VENTURE? Please check:

YES NO

If marked “No” skip to Section I. If marked “Yes” complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. Not applicable

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:
 YES NO N/A**

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty	Worked with Firm Before (Yes or No):
1. Not applicable		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

18

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Jared B. Monceaux, P.E.
President



Project Assignment:

Project Oversight

Name of Firm with which associated:



Years’ experience with this Firm:

17 (2007)

Education: Degree(s)/Year/Specialization:

B.S. in Civil Engineering, 2001, University of Louisiana at Lafayette

Active registration: Year first registered/discipline:

Year First Registered: 2006

Discipline: Civil State: Louisiana License No.: 32202

Also registered in Mississippi (18867) & Florida (88044)

Other experiences and qualifications relevant to the proposed Project:

Completed “FHWA-NHI-142005 NEPA and the Transportation Decision-making Process” certification, hosted by LA DOTD/LTRC (2016)

Mr. Monceaux has over twenty years of engineering project management and design experience on municipal coastal and flood protection projects, specifically earthen and floodwalls, marsh creation and erosion control road, drainage, bridge, and sewer improvement projects. His coastal experience dates back to his internship in 1995-2001 with NRCS. Mr. Monceaux oversaw several marsh creation projects using terracing methods in Rockefeller Refuge, Cameron Parish. He also managed several erosion control structure repairs and replacements on the east bank of Calcasieu Lake. At HEI, Mr. Monceaux was part of the project management and design team of the beach erosion projects along Grand Isle and designed and managed several earthen and concrete floodwalls for USACE after Hurricane Katrina. Mr. Monceaux’s responsibilities have included project management, design, various permitting, and quality control.

S&WB Contract No. R-053-2012, Water Line Replacement Program (Audubon, Uptown and West Riverside)

Neighborhoods, New Orleans, LA: The purpose of this Project is to replace water lines in three neighborhoods on the New Orleans East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement are based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed was coordinated with the City of New Orleans Street restoration program, Submerged Roads Program, ongoing Sewerage & Water Board projects for water point repairs, sewer repair and replacement projects. (HEI Project No. 11-016-04)

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Jared B. Monceaux, P.E.
President

2007-070-WR, Grand Isle Waterline Improvements, Grand Isle, LA: Project Manager & QA/QC for: Design of approximately 7,500 feet of new, 12-inch, C-900 waterline from Ludwig Lane and LA 1 to Admiral Craig and Pirates Cove Marina Road, determine whether existing roadway servitudes are adequate to construct the line, taking into consideration above and below ground pipelines and other features within and/or crossing the servitudes, and responsible for integrating the waterline design (installation through various means i.e. open-cut, jack and bore) with such pipelines and features and coordinate the effort with local property and pipeline owners.

Bedico-Faubourg Interconnect 12-inch Waterline, St. Tammany Parish, LA: Prepare Construction Plans and Specifications, Bidding and Construction Management Services for 5,000 LF of 12" Waterline Extension. This project will connect two different water systems. (HEI Project No. 12-126-02)

10-inch Waterline Extension along Gause Boulevard, Slidell, LA: Prepare Construction Plans and Specifications, Bidding, and Construction Management Services for approximately 2,000 LF of Waterline Extension along Gause Boulevard. (HEI Project No. 12-090-12)

Faubourg Coquille Water System – Water Quality Evaluation, St. Tammany, LA: HEI is providing engineering services to conduct an analysis of Tammany Utilities' Faubourg Coquille water system. Tammany Utilities has five wells on the Faubourg Coquille water system that include the Diversified Water Well, Faubourg Water Well, Timber Branch Water Well, Black River Water Well and the Christwood Water Well. The Faubourg Coquille water system currently serves approximately 4,300 customers. HEI is sampling and testing each well site to analyze for inorganics (cations and anions), silicon, TOC, silt density index (SDI) and soft metals. The data analysis will include a water chemistry balance. (HEI Project # 12-126-01-10)

Water Utility System Due Diligence Review and Evaluation (People's Water System), Ascension Parish, LA: Professional engineering services to include due diligence review and evaluation of infrastructure and related items associated with the possible purchase of a private water utility system in Ascension Parish. The purpose of this report is to present the results of an engineering review and evaluation of the potable water system, plant, and facilities owned and operated by the Peoples Water Service of Donaldsonville, Louisiana (PWS) serving the City of Donaldsonville and adjacent, limited portions of the unincorporated west bank Ascension Parish, Louisiana. The review and evaluation of the PWS facilities was made on behalf of the Parish of Ascension for the purpose of establishing an equitable basis for the possible purchase of the facilities. (HEI Project #12-031-08)

Utilities General Engineering and Technical Support Services – Task Order No. 1 – SCADA (UTL-17-002) Ascension, LA: HEI is providing services for the SCADA system upgrades for PUA and ACUD #1 System Sites, including the Palo Alto Water Tower, the GST, RW Intake, and EST. Services include Design, Bidding, and Construction Administration. (HEI Project No. 12-031-12)

USACE Section 219 Program STAG Grant Environmental Information Document and Environmental Infrastructure Program Management USACE No. W912P8-04-D-0005, Ascension Parish, LA: HEI provided professional engineering services to the Corps of Engineers, New Orleans District for program management of the Corps' Environmental Infrastructure Program for Ascension Parish, LA. The work was part of the Corps'

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Name & Title:

Jared B. Monceaux, P.E.
President

Section 219 Program and included assisting the New Orleans District in facilitating and coordinating needed water and wastewater projects in the Parish, including the Parish EPA STAG grant and Community Development Block grants and the area wide wastewater projects on the east bank. HEI services included interfacing with Parish officials, project engineering firms, and federal and state agencies. Specific projects involved included the following: ACUD No. 1 Water Distribution System Improvements; Hillaryville Community Wastewater Improvements; Darrow Sanitary Sewer System Project Cost Shortfall; Wastewater Planning and Tie-in of the Ascension Parish Jail to the City of Donaldsonville Wastewater Treatment Plant (WWTP); Design of the Ascension Parish regional WWTP; Planning for Livingston water supplies to serve Ascension Parish residents; Facilities Plan Review. (HEI Project No. 11-095-01-102)

DPW Project. No. 2017-RR189, PW7120355; K17-420, RR189 Village De L'est Group C (FRC), New Orleans, LA: HEI provided professional engineering design services for FEMA-eligible street repairs and utility installations on four assigned streets within the Village De L'Est Group C Project boundary. Design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. (HEI Project No. 11-076-08)

DPW FEMA No. 21032, Contract No. 1268, MK19-787, Project No. 2019-RR142, RR142 Pontchartrain Park Group C (FRC), New Orleans, LA: Design services for FEMA-eligible street repairs and utility installations on four assigned streets within the Village De L'Est Group C Project boundary. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades were designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. (HEI Project No. 11-076-09)

DPW FEMA No. 21032, Contract No. 1271, MK19-788, Project No. 2019-RR143, RR143 Pontchartrain Park Group D (FRC), New Orleans, LA: Provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. Full roadway reconstruction and installation of 12" – 36" (EQ.) storm drains, 8" water mains, and 8" sanitary sewer gravity mains. Project work located along Mithra St., Providence Pl., Pressburg St., Prentiss Ave., and Press Dr.

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer



Project Assignment:

Project Engineer

Name of Firm with which associated:



Years’ experience with this Firm:

19 (2005)

Education: Degree(s)/Year/Specialization:

B.S., 2006, Civil Engineering, Louisiana State University (LSU), Baton Rouge, LA

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 2011
Discipline: Civil State: Louisiana License No.: 36284

Other experiences and qualifications relevant to the proposed Project:

Ms. Connelly has over fifteen years of experience as a design engineer and project manager for a variety of projects throughout southern Louisiana for several local and state government agencies. Ms. Connelly’s design experience includes:

- Roadway and Bridge Design for local corridors and highways (geometric, traffic, and sequencing),
- Utility Designs for Water Distribution and Sanitary Sewer Collection Systems (gravity and force main via traditional and trenchless installation methods),
- Drainage Designs (canals, levees, gravity and force main sub-surface systems via traditional and trenchless installation methods), and Environmental and Civil Site Design for sanitary sewer and drainage pump stations in simple duplex, triplex, and dual-bay multi-pump facilities.
- AT TSA Traffic Control Supervisor and Technician 4/2017

S&WB Contract No. R-053-2012, Water Line Replacement Program (Audubon, Uptown and West Riverside) Neighborhoods, New Orleans, LA: The purpose of this Project is to replace water lines in three neighborhoods on the New Orleans East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement are based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed was coordinated with the City of New Orleans Street restoration program, Submerged Roads Program, ongoing Sewerage & Water Board projects for water point repairs, sewer repair and replacement projects. (HEI Project No. 11-016-04)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer

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TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sundararaja C. Rao, P.E.
Senior Project Engineer



Project Assignment:

Hydraulics Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

17 (2007)

Education: Degree(s)/Year/Specialization:

MS, 1972, Sanitary & Water Resources Eng., Brigham Young University
MT, 1967, Hydraulic Engineering, I.I.T., Bombay, India
BS, 1965, Civil Engineering, University of Mysore, India

Active registration: Year first registered/discipline:

Year First Registered: 1978

Discipline: Civil/Environmental State: Louisiana License No.: 17005

Other experiences and qualifications relevant to the proposed Project:

Mr. Rao has over four decades of civil/hydraulic/sewer experience related to transportation and municipal systems, with a strong emphasis on the design and administration of roadway related projects. He has served in many capacities including design engineer, chief engineer of local civil consulting firms and has also served as project manager of several roadway and LADOTD off-system bridge replacement projects. Mr. Rao is currently serving as HEI's Roadway Design Engineer.

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system.

Sanitary Sewer System Upgrades (Staring Lane - Overflow Pump Station 58A) Service Area SGC-C-PS58A (City/Parish DPW Project No.09-PS-UF-0001), Baton Rouge, LA: Mr. Rao served as Design Engineer for the civil site layout for the 88 MGD overflow pump station (58A) that flows directly to the South Wastewater Treatment Plant. HEI was a Sub-consultant to GEC on this project and design is 100% complete. HEI Project #12-093-08

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sundararaja C. Rao, P.E.
Senior Project Engineer

City/Parish DPW Project No. 09-PS-MS-0034, Sanitary Sewer System Upgrades Booster Pump Station 514 Improvements, Baton Rouge, LA.: Mr. Rao served as Design Engineer for the civil site layout for the 77 MGD overflow pump station (514), HEI was a Sub-consultant to GEC on this project and design is 100% complete. HEI Project #12-093-10

Sanitary Sewer System, Town of Melville, LA.: Project manager of this \$1.8 million dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Town of Melville located in St. Landry Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepared necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

U. S. Army Corps of Engineers, New Orleans District - W85 - A & B Levee Enlargement, Atchafalaya Basin Levees: Civil Engineer on this 4.5-mile levee enlargement project. Responsibilities on this project included vertical and horizontal alignment design, cross sections, earthwork computations and borrow study report.

Sanitary Sewer System, City of Baton Rouge, LA.: Project engineer for this S-5 area sewerage improvements project involving new pump stations, rehabilitation of existing pump stations, 30-inch diameter Price Brothers concrete cylindrical pipe force main, force main layout schedule, pipe strength and load calculations, construction overseeing, process contractor's payment requests, change orders, coordination, etc.

DPW Project No. 2001-046F-DR(SELA), Harahan Pump to the River, Jefferson Parish, LA. This is a unique project in terms of complexity, administration, design, and rights of way to relieve chronic flooding in southeastern portion of east bank of Jefferson Parish via Southeast Louisiana Urban Flood Control Project (SELA), of the COE: A 700' long Suction canal; a 1,200 cfs pumping station; Three 9,000' long 84" diameter discharge piping to the Mississippi River levee, Reinforced concrete levee crossing of discharge pipes; Reinforced concrete discharge basin in Mississippi River; coordination with local community, regulatory agencies and DOTD regarding a very old oak tree (the Old Dickory); and relocation of several high tension electrical transmission towers. Project involved Detailed Design, construction documents (Plans and Specifications), cost estimate, engineering during construction, and construction management/QA, for construction cost of \$106.8 Million. HEI Project No. 11-012-09

Project No. 2015-029-DR, Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA. From its initial construction in 1962, Bayou Segnette Drainage Pump Station No. 1 has served an ever-increasing role in the protection of the greater Westwego/Marerro region. Over the decades incremental improvements have been performed in order to keep up with the demands of increasing runoff from development. Under this premise, we were contracted by Jefferson Parish to provide A/E services (Civil/Mechanical sub) for Pump station improvements, details to work are as follows:

ENGINES - Replace all 6 existing engines, #1, #2, #3, #4, #5, & #6; Increase new engine power to 350 H.P.; New Engines to run at 1800 RPM. **GEARBOXES:** Refurbish all existing gearboxes, #1, #2, #3, #4, #5, & #6; Maintain similar or almost similar gear ratios; All gearboxes to have same drive ratios; Each refurbished Gearbox – Service Factor of 2.0. **PUMPS:** Replace Pumps # 1, # 3, #4 & #5; Pump Capacity – 150 (156) CFS each; Keep Pumps #2 and # 6 (Johnston Model 42PO) No refurbishing. HEI Project No. 11-014-86

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sundararaja C. Rao, P.E.
Senior Project Engineer

Drainage Improvements at Parish Line Pump Station, Jefferson Parish, LA. Storm drainage from the northwestern corner of Jefferson Parish is discharged to the adjacent Parish Line Canal via a pump station whose discharge pipes run through an existing hurricane protection floodwall. HEI conducted data review, field reconnaissance, model run and calibration (HEC-RAS), alternatives evaluation and cost estimate, and developed prioritized list of recommendations for drainage improvements to drainage canal nos. 17 and 7 and existing Parish Line Pump Station. Hydrologic Modeling System (HEC-HMS) and River Analysis System (HEC-RAS) computer software were utilized to identify deficiencies in the subject canals and pump stations for 10-year, 50-year, and 100-year storm events. The study area is served by other drainage features such as Butler Canal, Canal No. 10, Loyola Canal, and Duncan Pump Station. In the design phase, HEI provided further support on permitting, additional hydraulic modeling and conceptual planning for future conditions, and right of way research. The hydraulic model involved 11,500' of Canal No. 17, 8,800' of Canal No. 7, several concrete box culverts measuring a total of approximately 1,000' in length, 9,100' of Butler Canal, 900 cfs current pumping capacity at Parish Line station, and 4,800 cfs current pumping capacity at Duncan Canal station. The permitting phase required close coordination with regulatory agencies as well as the Corps of Engineers and the Southeast Louisiana Flood Protection Authority – East due to the sensitiveness nature of pump station discharge piping located on either side of and through an existing hurricane protection floodwall. The pump station expansion work consisted of four additional pumps, to provide an additional capacity of 1,400 cfs. Hydraulic model of the drainage network developed various alternative channel and pump station configurations, which were then utilized to develop the most optimum recommendation. HEI provided construction administration and inspection services. HEI Project No. 11-041-17

West Bank and Vicinity Hurricane Protection Project – Lake Cataouatche Pumping Station to Segnette State Park, Phase 2. First Lift, Jefferson Parish, LA (WBV 15a.2). Under the implementation of work recommended in the “Westwego to Harvey Canal, Louisiana Hurricane Protection Project, Lake Cataouatche Area”, the levees in the Lake Cataouatche Hurricane Protection System were raised to provide additional hurricane protection to meet the 2057 (1%) level of protection also known as the 100-year level of protection. This project included design and construction services for the second lift of a 20,250 linear foot segment of the hurricane protection system from Lake Cataouatche Pumping Station to the Segnette State Park. HEI Project No. 11-108-04

Professional Highlights:

- Flood Control studies with HEC-1, HEC-2, HEC-RAS and WSPRO hydraulic computer modeling, bridge hydraulics and scour analysis
- Landfill leachate wastewater pumping stations and dual containment force mains
- NPDES, LDEQ and Corps of Engineers permit applications
- Land development, grading and drainage plans, and utilities
- Street Improvement projects for City of New Orleans, Orleans Parish Levee Board
- Runway and taxiway repairs, new access road and utilities for New Orleans International Airport
- LaDOTD Roadway Projects - Project Manager on various urban and rural roadway projects
- Taught undergraduate courses in Civil Engineering –University of Mysore, India (1967-1970), Southern University, Baton Rouge, LA. (part-time Sept. 78-June 79)

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:**Name & Title:**

Oscar J. Boudreaux, Jr., P.E.
Environmental Engineer

Project Assignment:

Environmental Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

5 (2019)

Education: Degree(s)/Year/Specialization:

1976 Bachelor of Science in Civil Engineering, Louisiana State University
1975 Bachelor of Science (Engineering Science) College of Life, Science and Technology, Nicholls State University

Active registration: Year first registered/discipline:

Year First Registered: 1980

Discipline: Civil/Environmental State: Louisiana License No.: 18859

Also registered in Mississippi (16235)

Other experiences and qualifications relevant to the proposed Project:

During the last thirteen years, Mr. Boudreaux has been responsible for the design and/or construction of eleven (11) activated sludge extended aeration wastewater treatment facilities and three (3) other types of treatment facilities. His primary responsibility was to coordinate all disciplines and provide the technical design for facilities, whose average flows range from 0.17 MGD to 5.0 MGD. Construction costs varied from a low of \$900,000 to a high of \$13,000,000. These projects have a combined drawing list of over 750 sheets of technical data. Mr. Boudreaux is considered the leading designer of extended aeration with the use of intra-channel and external clarifiers in the United States by virtue of the fact that he has successfully designed and placed into operation fourteen (14) facilities in the States of Texas, Louisiana, and Mississippi in the last several years. In addition to these facilities, Mr. Boudreaux offers consulting advice to other design professionals across the United States as needed. He has visited and offers recommendations on facilities having operational problems. During his employment, he has visited over 200 wastewater facilities across the US in expanding his knowledge of the wastewater industry.

As a service to his clients Mr. Boudreaux has taught wastewater treatment operations and maintenance class to prepare the operators for their certification license. His expertise in this field offers the operators the basis of wastewater treatment in addition to his insights on design.

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Oscar J. Boudreaux, Jr., P.E.
 Environmental Engineer

Aerated Lagoon Plant, Reserve, LA.: Mr. Boudreaux made improvements to a 3.0 MGD Aerated Lagoon plant “inside” an existing facultative lagoon in Reserve at a cost of \$2.75 per gallon. Based on his design, we were able to increase the flow at this facility to 5.0 MGD at a later date due to the lower influent BOD levels. He is capable of putting together a team that can utilize existing infrastructure and lower the costs of a project with his understanding of wastewater treatment.

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system.

City of Westwego Inflow/Infiltration Analysis and Sewer System Evaluation Survey: The fieldwork included the collection of dry and wet weather flow information, dye testing for monitoring inflow sources, and close circuit television of the system. Afterward, he performed the analysis of the system.

City of Baton Rouge Inflow/Infiltration Analysis and Sewer System Evaluation Survey: The fieldwork included the collection of dry and wet weather flow information, dye testing for monitoring inflow sources, and close circuit television of the system. Afterward, he performed the analysis of the system.

LEAD DESIGNER OF THE FOLLOWING TREATMENT FACILITIES *

- City of Ville Platte, Louisiana – Wastewater Treatment Plant
- City of Pineville, Louisiana – Wastewater Treatment Plant
- City of Winnfield, Louisiana – Wastewater Treatment Plant
- Town of Madisonville, Louisiana – Wastewater Treatment Plant
- Town of Homer, Louisiana – Wastewater Treatment Plant
- Town of Pearl River, Louisiana – Wastewater Treatment Plant
- Town of Simmsport, Louisiana – Wastewater Treatment Plant
- Village of Natchez, Louisiana – Wastewater Treatment Plant
- Town of Addis, Louisiana – Wastewater Treatment Plant
- Galliano, Louisiana – Wastewater Treatment Plant
- City of Elsa, Texas – Wastewater Treatment Plant
- Clinton, Louisiana – Sewer Treatment Plant
- City of San Juan, Texas – Wastewater Treatment Plant
- City of Winnfield, Louisiana – Wastewater Treatment Plant Improvements

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Oscar J. Boudreaux, Jr., P.E.
Environmental Engineer

- City of Jeanerette, Louisiana – Wastewater Treatment Plant
- Town of Addis, Louisiana – Wastewater Treatment Plant
- City of Natchitoches, Louisiana – Wastewater Treatment Plant
- Town of Lutchet, Louisiana – Wastewater Treatment Plant Upgrades
- St John the Baptist Parish, Reserve Wastewater Treatment Plant
- City of Morgan City, Louisiana – Wastewater Treatment Plant
- Diamondhead Water & Sewer Dist., Diamondhead, MS – Wastewater Treatment Plant
- Town of Lutchet, Louisiana – Wastewater Treatment Plant
- City of Donaldsonville, Louisiana – Wastewater Treatment Plant
- Town of Port Barre, Louisiana – Wastewater Treatment Plant
- Sewer District No. 4, St. Tammany, Louisiana – Wastewater Treatment Plant
- City of Opelousas, Louisiana – Water Treatment Plant
- City of Churchpoint, Louisiana – Water Treatment Plant
- Town of Amite City, Louisiana – Wastewater Treatment Plant
- Town of Gramercy, Louisiana – Wastewater Treatment Plant
- St. John the Baptist Parish, Louisiana – Wastewater Treatment Plant (Sludge)
- PepsiAmericas, Reserve, Louisiana – Wastewater Treatment Plant
- Sewer District No. 6, St. Tammany, Louisiana – Wastewater Treatment Plant
- Town of Many, Louisiana – Water Treatment Plant
- Cenex Harvest Grain Elevator, Belle Chasse, Louisiana – Wastewater Treatment Plant
- Peavey Grain Elevator, Gramercy, Louisiana – Stormwater Treatment Plant
- Keegan Bayou, Biloxi, MS – Wastewater Treatment Plant (Sludge)
- Violet, St. Bernard Parish, Louisiana – Wastewater Treatment Plant (Sludge)
- Greenleaves Utility Company, Mandeville, Louisiana – Wastewater Treatment Plant
- Colonial Sugars, Gramercy, Louisiana – Wastewater Treatment Plant
- Abita Beer, Mandeville, Louisiana – Wastewater Treatment Plant
- Alliance Compressor Mfr., Natchitoches, Louisiana – Pre-Treatment Wastewater Plan

CONSULTED WITH OR SERVED AS TECHNICAL ADVISOR *

- City of Hammond, Louisiana – Wastewater Treatment Plant
- Town of Jena, Louisiana – Wastewater Treatment Plant
- Indian River Development, Florida – Wastewater Treatment Plant
- Town of Berthoud, Colorado – Wastewater Treatment Plant
- Town of Eunice, Louisiana – Wastewater Treatment Plant
- City of Jackson, MS – Wastewater Treatment Plant
- City of Trenton, Georgia – Wastewater Treatment Plant

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Oscar J. Boudreaux, Jr., P.E.
Environmental Engineer

Waveland, Mississippi – Wastewater Treatment Plant
City of Sulphur, Louisiana – Wastewater Treatment Plant
Whisperwood Subdivision, Slidell, Louisiana – Wastewater Treatment Plant
City of Morgan City, Louisiana – Water Treatment Plant
City of Mandeville, Louisiana – Wastewater Treatment Plant
Port of South Louisiana, LaPlace, Louisiana – Wastewater Treatment Plant
Town of Abbeville, Louisiana – Wastewater Treatment Plant
Beau Chene Subdivision, Mandeville, Louisiana – Wastewater Treatment Plant
Monsanto, Luling, Louisiana – Wastewater Treatment Plant

SITE TOURS FOR EVALUATION *

Over 250 in approximately 20 states

*** Performed by Mr. Boudreaux with EES or previous employment.**

TEC Professional Services Questionnaire

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Larry E. Shriver
Treatment Process Specialist



Project Assignment:

Water Treatment Specialist

Name of Firm with which associated:



Years’ experience with this Firm:

9 (2015)

Education: Degree(s)/Year/Specialization:

M.S. Civil/Sanitary Engineering; University of Nebraska
B.S. Biology, Minor Chemistry; Drake University

Active registration: Year first registered/discipline:

Year First Registered: N/A
Discipline: State: License No.:

Other experiences and qualifications relevant to the proposed Project:

Mr. Shriver has over fifty years of experience in Wastewater Treatment Ponds, Planning, Design, and Construction. He wrote his Master’s Thesis on the City of Alexandria’s Aerated Lagoon. During the last thirty-two years, Mr. Shriver has been involved with several projects.
His experience is as follows:

Faubourg Coquille Water System – Water Quality Evaluation, St. Tammany, LA.- HEI is providing engineering services to conduct an analysis of Tammany Utilities’ Faubourg Coquille water system. Tammany Utilities’ has five wells on the Faubourg Coquille water system that include the Diversified Water Well, Faubourg Water Well, Timber Branch Water Well, Black River Water Well and the Christwood Water Well. The Faubourg Coquille water system currently serves approximately 4,300 customers. HEI is sampling and testing each well site to analyze for inorganics (catons and anions), silicon, TOC, silt density index (SDI) and soft metals. The data analysis will include a water chemistry balance. (HEI Project # 12-126-01-10)

Natchitoches Louisiana – Membrane pilot study on the drinking water supply (surface water – Lake Sibley) for the City. The study included the evaluation of seven different membranes and their capability of removing disinfection byproduct precursors. The pilot study was a 10 – 20 GPM membrane pilot project on this water supply. The study included hollow fiber ultrafiltration by two different manufactures followed by spiral wound nanofiltration membranes by various manufacturers.

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Larry E. Shriver
Treatment Process Specialist

Marlin, Texas – Membrane pilot study on the drinking water supply (surface water – Marlin Lake) for the City. The study included pre-clarification by alum coagulation. The clarified water was then filtered by hollow fiber ultrafiltration. Two units were evaluated, one from Koch Membrane Systems and one from Hydranautics/Indeck. Bench scale spiral wound membranes were evaluated for possible future additional soluble organics removal.

Blanchard, Louisiana – Membrane pilot study on the drinking water supply (surface water – Caddo Lake) for the Town. The study included pre-clarification by alum coagulation. The clarified water was then filtered by hollow fiber ultrafiltration. Two units were evaluated, one from Koch Membrane Systems and one from Siemens. Bench scale spiral wound membranes were evaluated for possible future additional soluble organics removal.

DeSoto Parish Water Works #1 - Membrane pilot study on the drinking water supply (surface water – Toledo Bend Lake) for the Parish. The study included pre-clarification by alum coagulation. The clarified water was then filtered by hollow fiber ultrafiltration. Two units are being evaluated, one from Koch Membrane Systems and one from Siemens.

Tamaned Wastewater Treatment Plant (WWTP) Expansion, St. Tammany Parish, LA – Project involves expanding the existing wastewater treatment plant from 0.045 MGD to a 0.150 MGD, concrete shared walled mechanical plant with Tertiary Filter. HEI Project No. 12-092-10

Ascension Parish Wastewater Treatment Plant (WWTP), Regionalization Plan, Ascension Parish, LA – Preliminary Design and layout of a phased 15 MGD Aerated Lagoon near the Mississippi River.

City of Baton Rouge DPW – Extended Services Contract; wastewater treatment plant operations consultant, acted as a technical advisor for process control at the three major wastewater treatment facilities for the City.

New Orleans Sewage and Water Board (SWB) - Managed Competition Project; collected technical information for the Financial Advisory Team on the water and wastewater treatment plants as well as the lift stations and pump stations for bid document preparation; acted as a tour guide and coordinator for the prospective proposers on this project.

New Orleans SWB – Lift Station 16 Project; assisted in determining final design flow for this lift station, conducted hydraulic analysis for this project including line sizing and routing, developed system head curves at various operating conditions, pump selection alternatives and wet well requirements for this 3000 GPM Lift Station.

New Orleans SWB - Vulnerability Assessment Project; provided technical information for the security personnel on the water collection, treatment and distribution facilities for the City.

New Orleans SWB – Gravity Interconnects Project; selected potential locations for the interconnects between sewage service areas, prepared drawings of the potential locations for further review and evaluation, prepared cost estimates for all the proposed locations, preparing design of the final selected interconnect locations.

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Rolland A. Mura, P.E., B.C.E.E.
Senior Project Manager



Project Assignment:

Environmental Engineer

Name of Firm with which associated:



Years’ experience with this Firm:

22 (2002)

Education: Degree(s)/Year/Specialization:

M.S., 1971, Environmental Engineering, Tulane University
B.S., 1970, Civil Engineering, Tulane University

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 1974
Discipline: Civil & Environmental State: Louisiana License No.: 14997
Also registered in Mississippi (08409) and Alabama (14594)

Other experiences and qualifications relevant to the proposed Project:

Mr. Mura’s 45+ years of experience includes a variety of civil and environmental engineering projects, ranging from basic gravity sewers to complex environmental impact statements, Brownfield site investigations, asbestos and NORM inspections, environmental assessments, ASTM Phase I and Phase II assessments, and regulatory compliance for commercial, industrial, and oilfield properties and facilities. He has overseen most of HEI’s internal quality control matters on planning projects.

S&WB Contract No. R-053-2012, Water Line Replacement Program (Audubon, Uptown and West Riverside) Neighborhoods, New Orleans, LA: The purpose of this Project is to replace water lines in three neighborhoods on the New Orleans East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement are based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed was coordinated with the City of New Orleans Street restoration program, Submerged Roads Program, ongoing Sewerage & Water Board projects for water point repairs, sewer repair and replacement projects. (HEI Project No. 11-016-04)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Rolland A. Mura, P.E., B.C.E.E.
Senior Project Manager

Bedico-Faubourg Interconnect 12-inch Waterline, St. Tammany Parish, LA: Prepare Construction Plans and Specifications, Bidding and Construction Management Services for 5,000 LF of 12" Waterline Extension. This project will connect two different water systems. (HEI Project No. 12-126-02)

10-inch Waterline Extension along Gause Boulevard, Slidell, LA: Prepare Construction Plans and Specifications, Bidding, and Construction Management Services for approximately 2,000 LF of Waterline Extension along Gause Boulevard. (HEI Project No. 12-090-12)

Faubourg Coquille Water System – Water Quality Evaluation, St. Tammany, LA : HEI is providing engineering services to conduct an analysis of Tammany Utilities' Faubourg Coquille water system. Tammany Utilities' has five wells on the Faubourg Coquille water system that include the Diversified Water Well, Faubourg Water Well, Timber Branch Water Well, Black River Water Well and the Christwood Water Well. The Faubourg Coquille water system currently serves approximately 4,300 customers. HEI is sampling and testing each well site to analyze for inorganics (cations and anions), silicon, TOC, silt density index (SDI) and soft metals. The data analysis will include a water chemistry balance. (HEI Project # 12-126-01-10)

Water Utility System Due Diligence Review and Evaluation (People's Water System), Ascension Parish, LA: Professional engineering services to include due diligence review and evaluation of infrastructure and related items associated with the possible purchase of a private water utility system in Ascension Parish. The purpose of this report is to present the results of an engineering review and evaluation of the potable water system, plant, and facilities owned and operated by the Peoples Water Service of Donaldsonville, Louisiana (PWS) serving the City of Donaldsonville and adjacent, limited portions of the unincorporated west bank Ascension Parish, Louisiana. The review and evaluation of the PWS facilities was made on behalf of the Parish of Ascension for the purpose of establishing an equitable basis for the possible purchase of the facilities. (HEI Project #12-031-08)

Utilities General Engineering and Technical Support Services – Task Order No. 1 – SCADA (UTL-17-002) Ascension, LA: HEI is providing services for the SCADA system upgrades for PUA and ACUD #1 System Sites, including the Palo Alto Water Tower, the GST, RW Intake, and EST. Services include Design, Bidding, and Construction Administration. (HEI Project No. 12-031-12)

Harahan Pump to the River, DPW Project No. 2001-046F-DR(SELA), Jefferson Parish, LA. This is a unique project in terms of complexity, administration, design, and rights of way to relieve chronic flooding in southeastern portion of east bank of Jefferson Parish via Southeast Louisiana Urban Flood Control Project (SELA), of the COE: A 700 ft long Suction canal; a 1,200 cfs pumping station; Three 9,000 ft long 84 inch diameter discharge piping to the Mississippi River levee, Reinforced concrete levee crossing of discharge pipes; Reinforced concrete discharge basin in Mississippi River; coordination with local community, regulatory agencies and DOTD regarding a very old oak tree (the Old Dickory); and relocation of several high tension electrical transmission towers. Project involved Detailed Design, construction documents (Plans and Specifications), cost estimate,

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Rolland A. Mura, P.E., B.C.E.E.
Senior Project Manager

engineering during construction, construction management/QA, and resident inspection for construction cost of \$200 Million. (HEI Project No. 11-012-09)

USACE Section 219 Program STAG Grant Environmental Information Document and Environmental Infrastructure Program Management, Ascension Parish, LA.

HEI provided professional engineering services for planning and engineering purposes to prepare an Environmental Information document (NEPA document) following U.S. EPA Region 6 Guidelines for environmental water and wastewater infrastructure projects in Ascension Parish, LA. The four (4) projects were included in the Ascension Parish EPA STAG Grant. The U.S. Army Corps of Engineers, New Orleans District, facilitated the EIS the on behalf of Ascension Parish. HEI completed the EID in association with HDR Engineering, Inc. for Corps of Engineers, New Orleans District. 1. ACUD No. 1 Water Distribution System Improvements; 2. Hillaryville Community Wastewater Improvements; 3. Darrow Sanitary Sewer System Project Cost Shortfall; 4. Wastewater Planning and Tie-in of the Ascension Parish Jail to the City of Donaldsonville Wastewater Treatment Plant (WWTP). HEI also provided professional engineering services to the Corps of Engineers, New Orleans District for program management of the Corps’ Environmental Infrastructure Program for Ascension Parish, LA. The work was part of the Corps’ Section 219 Program and included assisting the New Orleans District in facilitating and coordinating needed water and wastewater projects in the Parish, including the Parish EPA STAG grant and Community Development Block grants and the area wide wastewater projects on the east bank. HEI services included interfacing with Parish officials, project engineering firms, and federal and state agencies. Specific projects involved included the following: 1. Planning of the Ascension Parish regional WWTP; 2. Planning for franchise water agreements with Ascension Water Company to serve Ascension Parish residents; 3. Wastewater Facilities Plan Review.

(HEI Project No. 11-095-01-102)

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer



Project Assignment:

QA/QC Engineer

Name of Firm with which associated:



Years’ experience with this Firm:

7 (2017)

Education: Degree(s)/Year/Specialization:

B.S., 1990, Civil Engineering, Florida State University

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 2008
Discipline: Civil State: Louisiana License No.: 34006
Also registered in Mississippi (18695); Arkansas (15078); Florida (85074)

Other experiences and qualifications relevant to the proposed Project:

Mr. Regis has over 26 years of experience in project management, design of complex highways, multi-level interchanges and urban streets for major clients such as MDOT, LDOTD, NASA, USACE, FDOT, the Florida’s Turnpike Enterprise, the Miami-Dade Expressway Authority (MDX), and the Puerto Rico Highway Authority. Additional clients include The City of New Orleans, Ascension Parish, St. John the Baptist Parish, St. Tammany Parish, Louisiana and in Florida: Broward County, Palm Beach County, Miami-Dade County, the City of Miami, and the City of Pembroke Pines. Further design experience includes: roundabout design, signal design and advanced traffic control.

- **Member of ASCE**
- **Louisiana Engineering Society**

Kenner Drainage Masterplan, Kenner, LA: Project Manager responsible for the coordination of the NEPA process including the completion of the Record of Decision (ROD), and post ROD activities such as the traffic and revenue analysis, and possible P3 opportunities. The Project would consist of a 90- to 105-mile long circumferential, controlled access toll roadway around greater Baton Rouge, Louisiana in Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The proposed toll highway would connect Interstate 12 east of Baton Rouge and east of Walker to Interstate 10 west of Baton Rouge; I-10 west of Baton Rouge to I-10 south of Baton

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

Rouge; and I- 10 south of Baton Rouge to I-12 east of Walker. The Project is being developed by the Capital Area Expressway Authority (CAEA), the Louisiana Department of Transportation and Development (LA DOTD), and the FHWA as lead federal agency. Cooperating agencies include the US Army Corps of Engineers (USACE), New Orleans District, and the US Coast Guard (USCG), 8th Coast Guard District. Approximate contract value \$12M (Finalizing NEPA Process). (HEI Project No. 11-011-73)

RELEVANT PROJECT EXPERIENCE FROM PREVIOUS FIRM:

Belle Chasse Tunnel and Bridge Replacement Stage 1- Environmental Assessment, Plaquemines Parish, LA - Project Manager responsible for the coordination of the NEPA process, in particular the Bridge and Tunnel Historic Preservation alternatives. The Belle Chasse Tunnel and the Judge Perez Bridge are critical transportation links for residents, businesses and industries in the Westbank, Plaquemines Parish. Concerns have been identified with the functionality and reliability of these existing structures that form the LA 23 crossing of the Algiers Canal/Algiers Alternate Route of the Gulf Intracoastal Waterway (GIWW) and their ability to meet the needs of both the vehicular and maritime transportation corridors and the surrounding community. Replacing the existing structures will make both daily commutes and hurricane evacuations easier, faster and more reliable. It will help encourage economic growth in the area by providing the area's businesses and industries with a more efficient transportation system. A new bridge is also expected to be far less expensive to operate and maintain than the existing Belle Chasse Tunnel and Judge Perez Bridge. Project was on an expedited schedule and in metric units, making this a challenging project. (LADOTD, State Project No. H.004791)

Baton Rouge Loop Tier 1 Draft Environmental Impact Statement (FEIS) Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes, LA - Project Manager responsible for the coordination of the NEPA process including the completion of the Record of Decision (ROD), and post ROD activities such as the traffic and revenue analysis, and possible P3 opportunities. The Project would consist of a 90- to 105-mile long circumferential, controlled access toll roadway around greater Baton Rouge, Louisiana in Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The proposed toll highway would connect Interstate 12 east of Baton Rouge and east of Walker to Interstate 10 west of Baton Rouge; I-10 west of Baton Rouge to I-10 south of Baton Rouge; and I- 10 south of Baton Rouge to I-12 east of Walker. The Project is being developed by the Capital Area Expressway Authority (CAEA), the Louisiana Department of Transportation and Development (LA DOTD), and the FHWA as lead federal agency. Cooperating agencies include the US Army Corps of Engineers (USACE), New Orleans District, and the US Coast Guard (USCG), 8th Coast Guard District. Approximate contract value \$12M (Finalizing NEPA Process).

Calcasieu River Bridge EIS, Lake Charles, LA - Project Manager responsible for the coordination of the NEPA process and roadway related tasks such as alternatives development, geometric analysis, and the Interchange Justification Report. The primary purpose of this project is to increase capacity along I-10 from the east and west interchanges with I-210 in the Lake Charles region. The study corridor is approximately 9 miles long and includes the high-level Calcasieu River Bridge. It also includes improvements and widening to the interstate approach roadways on either side of the urban bridge, including several complex interchanges. Approximate contract value \$6M. (LADOTD, State Project No. H.006783)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

I-110 Bridge Rehabilitation, Biloxi, MS - Project Manager responsible for the development of complex traffic control plans for a heavily traveled bridge requiring rehabilitation. Task included maintaining traffic on the bridge during rehabilitation work. Approximate contract value \$70,000. (MDOT).

I-12 to Bush, St. Tammany Parish, LA- Project Manager for this project providing approximately 5.5 miles of a 4 lane divided highway from the proposed LA 3241 to the LA 40/LA 41 intersection in Bush, LA. As a sub the corresponding scope for this project was the preliminary design of the bridge over Talisheek Creek, approximately 500' in length. Additional tasks included the development of the bridge scour report at Talisheek Creek, and the QA/QC of the roadway plans for the project. Design fees for this project are approximately \$135k. (LADOTD, State Project No. H.004113)

Improvements to US 190 from LA 22 to Lonesome Road, St. Tammany Parish, LA - Project Manager responsible for the re-design of approximately 1.5 miles of US 190. Activities included close coordination with LDOTD, revisions to drainage plans, redesign of traffic signals, revision to existing superelevation, and traffic control plans. Project was on an expedited schedule and in metric units, making this a challenging project. Approximate contract value \$150,000. (LADOTD, State Project No. H.000498)

I-10 Widening from Siegen Lane to the I-10/I-12 Split, Post Design Services and Geotechnical Support, Baton Rouge, LA - Project Manager responsible for the coordination of the geotechnical activities for all bridge substructures, and post design services during construction. Other responsibilities included the re-design of the traffic control plans for the I-10 mainline and ramps, approximately 4.6 miles. Additionally, this project required close coordination with the LDOTD Project Engineer and his staff, and the contractor's construction manager. Approximate contract value \$350,000. (LADOTD, State Project No. 450-10-0108).

Intersection Improvements US 190 at Northpark, St. Tammany Parish, LA - Project Manager responsible for final layout of intersection improvements on two streets within the Northpark Business Park which connect to US Highway 190. Improvements include widening existing streets to add capacity for turn movements and improving traffic signals as needed to accommodate new movements. The design of an additional left turn lane from US 190 to Northpark, and a right turn lane from Northpark to US 190 was also included. Approximate contract value \$120,000. (LADOTD, State Project No. 700-30-0270)

LSU Nicholson Gateway, East Baton St. Parish, LA - Project Manager responsible for the supervision of the design of the access road to the new student housing project, and the sewer line connecting the new pump station south of Skip Bertman to the proposed student housing. Also included in this project as a separate task, is the redesign of Nicholson Drive from Burbank to Chimes Street, approximately 1.0 mile. Approximate contract value \$350,000.

SR 475 Extension from US 80 to Existing SR 475 at Old Brandon Road, Pearl, Rankin County, MS - Project Manager responsible for the reconfiguration of the MS 475 intersection with Old Brandon Road near Jackson International Airport. The improvements will provide a full diamond interchange which will relieve traffic congestion at the roundabout located at the entrance to the airport where MS 475 currently intersects. Improvements to MS 475 will also include the design of two 275' concrete bridges on-curve over Old Brandon Road. Approximate contract value \$705,000. (MDOT)

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

Final Construction Plans Mississippi Highway SR 607 Roadway Widening, Design and Engineering Services; Interstate 59 to Saturn Drive, Hancock and Pearl River Counties, MS - Project Manager responsible for the development of plans and specifications for the widening of SR 607 from 2 to 4-lanes within the Stennis Space Center. The project total length was approximately 4-miles. Project involved roadway and drainage design and the development of specifications. Approximate contract value \$1,355,000. (NASA/MDOT) (2008).

Infinity Access Road, Hancock County, MS - Project Manager responsible for roadway and drainage design of approximately 1-mile of a 2-lane road that will serve as the entrance to the NASA Infinity Site. This proposed roadway will be connected to the MDOT entrance to the existing rest area located adjacent to SR 607. Specifications and construction cost estimates were also prepared. Approximate contract value \$260,000. (MDOT/NASA) (2008-2009).

Crystal Hill Road Bike Path, Pulaski County, AR - Project Manager for the design of approximately 1.5 miles of bike lanes along the Crystal Hill Road corridor from Counts Massie Road east to Maumelle Boulevard. This project will introduce bike lanes in both directions along Crystal Hill Road which will tie into the existing network of bike trails along Maumelle Boulevard. Currently, Crystal Hill Road is a two-lane road with mainly residential traffic, but with some commercial traffic as it connects to Maumelle Boulevard in the east. The proposed typical section will contain two eleven foot automobile lanes and two five foot bike lanes in both directions, this configuration will be fitted within the existing road right of way. (Pulaski County Road and Bridge Department) (2013).

I-10 Widening from Highland Road to LA-73, Baton Rouge, LA - Project Manager for this project to widen I-10 from a four-lane divided section to a six lane divided section. The widening will require the construction of an additional lane of traffic in both eastbound and westbound directions. The proposed additional lane of traffic will require the bridge over Highland Road to be replaced and the existing bridges over Bayou Manchac, and LA-73 to be widened. The approximate length of the project is 6.7 miles and design fees are approximately \$1.4 m, with tentative completion date of August 2015. (LADOTD, State Project No. H.009250)

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Tony R. Tramel, P.E., P.T.O.E.
Traffic Engineer



Project Assignment:

Lead Traffic Engineer

Name of Firm with which associated:



Years’ experience with this Firm:

10 (2014)

Education: Degree(s)/Year/Specialization:

B.S., 1972, Engineering, Interdisciplinary Engineering, Purdue University, West Lafayette, IN
 Master of City Planning, 1974, City Planning, Georgia Institute of Technology, Atlanta, GA
 Master of Engineering, 1974, Traffic Engineering/Transportation Planning, Georgia Institute of Technology, Atlanta, GA

Active registration: Year first registered/discipline:

Year First Registered: 1981
 Discipline: Civil State: Louisiana License No. 19268
Also registered in Texas (60074) and Oklahoma (17946)

Other experiences and qualifications relevant to the proposed Project:

Mr. Tramel is an experienced transportation engineer/transportation planner with a variety of transportation related experience, including the administration of traffic safety and operations, transportation planning, land development review, traffic signal design and signal systems implementation, design and operation of parking facilities, supervision of street maintenance and municipal aviation activities. Traffic safety and operation experience included preparation of several municipal traffic studies to increase roadway capacity and safety, and more than 45 years of municipal traffic engineering and transportation planning experience. Transportation planning included the development of short- and long-range transportation plans for municipalities ranging in population from 90,000 to 260,000 persons. This work encompassed the use and calibration of transportation models to forecast future traffic conditions and the design of alternative transportation systems to accommodate future transportation demand.

- **USA, Professional Traffic Operations Engineer (PTOE), (121)**
- **Fellow Member of Institute of Transportation Engineers, (07060)**
- **Adjunct Instructor, University of Southwest Louisiana, 1999**

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Tony R. Tramel, P.E., P.T.O.E.
Traffic Engineer

Mr. Tramel has been directly involved in traffic operational analysis, geometric and traffic signal design of more than 50 intersections. These intersections include locations in Lafayette, Louisiana, Vero Beach, Florida, and within the Dallas / Ft. Worth (DFW) Metroplex area it includes the cities of Grand Prairie, Arlington, Plano, Rockwall, Dallas, and Ft. Worth. Comprehensive traffic safety and traffic signal studies have been completed by Mr. Tramel for several cities during his more than 40 years as a transportation engineer in the private and public sectors of employment.

Mr. Tramel has advocated the use of modern roundabouts in Lafayette. The first modern roundabout in Louisiana was implemented with assistance of the LaDOTD more than 10 plus years ago at the intersection of two LaDOTD routes using District Maintenance funds and designs promulgated by Mr. Tramel. More than 13 modern roundabouts are either built or are under design in Lafayette Parish. Modern roundabouts are the only traffic control device that enhances / improves efficiency, convenience, and traffic safety.

For the past 15 years, Mr. Tramel, has been the Metropolitan Planning Organization's lead staff engineer working with the LaDOTD in completing the Environmental Impact Document for the I-49 Connector in Lafayette. This 6 mile 6 lane elevated new Interstate 49 section has a projected cost of \$0.75 to \$1.0 Billion. A comprehensive engagement of efforts were undertaken by Mr. Tramel and his staff during this period including numerous public meetings and hearings, design charettes, traffic operation analysis of surface street interchanges with ramp connections, etc.

More than 25 intersections and more than 15 miles of roadways have been improved by the use of better pavement management. This included "restriping the existing pavement sections, typically reducing the lane width in order to provide additional turning lanes at signalized intersections. Several arterial streets were converted from 4 lane undivided street to 5 lane cross sections where the center lane was designated a two way left turn lane (TWLTL) in an effort to increase capacity and enhance traffic safety.

RELATED PROJECTS:

Stage 0 Feasibility Study Proposed Left Turn Lane on LA 30 at South Purpera Avenue/South Hodgeson Avenue, Ascension Parish, LA. Study of feasibility and potential traffic, environmental, and economic impacts of implementing a proposed left turn lane on LA 30 in comparison with existing conditions. Report follows all guidelines from LADOTD's *Stage 0 Manual of Standard Practice*. HEI Project No. 12-031-06

LADOTD H.011490, LA 30: Turn Lanes at S. Purpera & S. Hodgeson, City of Gonzales, Ascension Parish, LA. An Urban Systems project which involved roadway and traffic engineering, surveying, and geotechnical services for the widening and overlay required to add left turn lanes at an existing intersection. HEI Project No. 12-031-07

SPN H.003920, FAP H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place) Ascension Parish, LA (2015-On Going) Design of a traditional shaped dual lane 5 legged roundabout at the intersection of LA 20 and Jackson St. in Thibodeaux, LA. The proposed roundabout shall branch from LA 20 into Canal Boulevard and Jackson St., also connecting Back St. and Thompson Place at the east and west approaches. Design conforms to EDSM V1.11.6., and current 2017 roadway design guidelines. HEI Project No. 12-

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Tony R. Tramel, P.E., P.T.O.E.
Traffic Engineer

092-09

LaDOTD S.P.N. H.0011490, LA 30 at Purpera Intersection Improvements, Ascension Parish, LA.:

Mr. Tramel was the lead design engineer responsible for the preparation of plans and specifications for the subject project. The project improvements include preliminary and final designs for the widening of an urban arterial (UA-3) 2-lane corridor to accommodate proposed left turns at the intersection of LA 30 and S. Purpera Ave. The improvements feature and intersection design, signal design, and ancillary roadway and drainage designs. Mrs. Connelly provides sub-consultant and client coordination, project management, QA/QC coordination, value-engineering recommendations, utility conflict review and coordination, geometric roadway and intersection design, drainage design, specifications review and preparation, construction cost estimate and quantity take-offs preparation. Additional technical responsibilities include roadway modeling via Bentley InRoads and MicroStation and providing LADOTD Submittals and Coordination via the Bentley ProjectWise interface.

Intersection Improvements (Veterans Blvd. – Bonnabel Blvd.) JP Parish Project 2017-028-RBP, Jefferson Parish, LA.:

Mr. Tramel is the signal design engineer for this capacity improvements project at the intersection of Vets/Bonnabel. Additional left turn lanes are included in both directions along Veterans, new U-turns along Bonnabel, new signal to include pedestrians and future bike path. (HEI Project No. 11-014-95)

Computer-Controlled Traffic Signal System, City of Lafayette:

City Transportation Engineer: Mr. Tramel administered the design and implementation of the City's first centralized computer-controlled traffic signal system in 1985 using CATV for communication. This system has been upgraded several times, and today includes more than 200 traffic signals and uses fiber communications and has more than 75 pan and tilt video cameras in use. This video stream is used by the Signal Systems Engineer to evaluate signal timing changes and monitor traffic conditions. Additionally, this video is streamed to 911 public safety agencies, and with the use of an iPhone app, (Lafayette Traffic), allows anyone to view the cameras and see the reported locations of current traffic crashes.

Intersection of US 167 Johnston Street at Camelia Boulevard / Guilbeau Road, City of Lafayette:

Mr. Tramel was the principle geometric and traffic operations design engineer associated with Lafayette's first "displaced left turn intersection design", or referred locally as a "Reduce Phase Intersection (RPI) "design at the intersection of US 167 Johnston Street at Camelia Boulevard / Guilbeau Road. This design was accomplished within the existing available rights of way.

Other Experience and Qualifications for Mr. Tramel:

- Lafayette Consolidated Government (LCG), Lafayette, LA, Director of Traffic and Transportation (1998 – 2013)
- DeShazo, Tang and Associates Consulting Engineers, Dallas, TX, Vice President/Principal (1993 – 1998)
- City of Arlington, TX, Assistant Director of Transportation/Planning (1990 – 1993)
- Kimley-Horn and Associates, Vero Beach, FL, Senior Engineer/Project (1988 – 1990)
- Parsons Brinckerhoff/De Leuw, Cather & Company, Dallas, TX, Chief Traffic Engineer (1987 – 1988)
- City of Grand Prairie, TX, Director of Transportation (1985 – 1987)
- City of Lafayette, Lafayette, LA, City Transportation (1977 – 1985)
- Hensley-Schmidt, Inc. (now dba Neel-Schaffer), Jackson, MS, Project Engineer/Manager (1974 – 1977)

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

David L. Atkins
Designer



Project Assignment:

Roadway Designer

Name of Firm with which associated:



Years’ experience with this Firm:

9 (2015)

Education: Degree(s)/Year/Specialization:

N/A

Active registration: Year first registered/discipline:

Active Registration: Year First Registered:
Discipline: State: License No.: N/A

Other experiences and qualifications relevant to the proposed Project:

Mr. Atkins has 45+ years of Design and Construction Administration experience for local, state and federal agencies in Mississippi and Louisiana. Mr. Atkins is a well-rounded designer with experience in roads, bridges, hydraulics, sewer treatment and collection, water treatment and distribution, permitting, large scales erosion control projects and miscellaneous Airport design.

HIS EXPERIENCE IS AS FOLLOWS:

Sewer and Water Experience

Mr. Atkins has designed and constructed over 90 sewer collection and 75 water distribution projects. He was also responsible for upgrading the capacity of Natchez Water and Wastewater Treatment Plants and managed the O&M for both. *(Work performed under previous consulting firm).*

Germany Road Gravity Sewer Improvements, Ascension Parish, LA. HEI developed a preliminary engineering design and construction cost estimate for installation of sanitary sewer along Germany Road from Airline highway to LA Highway 44. HEI Project No. 12-031-15

UTL-17-002, Task Order No. HEI-19-003, LA HWY 42 – LA HWY 73 Roadway Corridor (Project Area P1-6), Ascension Parish, LA. HEI performed a preliminary engineering study to determine two potential sewer collection alignments / conceptual design including construction costs based upon finding of current sewer flows.

HEI Project No. 12-031-12C

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

David L. Atkins
Designer

Ascension Parish East Bank North Regionalization Plan, Ascension Parish, LA. Preliminary design and modeling using InfoWorks ICM of over 40,000 customers. Preliminary design included modeling gravity and sewer forcemains, small and large pump stations, existing pump station rehabilitation, and routing analysis. HEI Project No. 12-031-16

UTL-18-0802, Hwy 42 Gravity Sewer Improvements (Cully Broussard Road to Harbor Lane), Ascension Parish, LA. Designed approximately 1,400 linear feet of gravity sewer (this included design of subsurface installation of approximately 100 linear feet of gravity sewer) along LA Hwy 42 from Cully Broussard Road to Lake Harbor Lane including two Hwy 42 crossings via Jack or Bore. This design work included all plan sheets and specifications necessary to bid out for construction. This work was required to connect existing and future services to the parish owned sanitary sewer line on the south side of LA Hwy 42. Additional Task Order was assigned (UTL-17-002 - Task Order No. HEI-19-002) Developed plans and specifications for an additional sewer tail line North of Hwy 42 (Galvez Seafood location) into the gravity main south of Hwy 42. Prepared DOTD permit applications for two (2) LA HWY 42 road crossings via Jack or Bore. HEI Project No.12-031-14

Drainage and Erosion Control Experience

Mr. Atkins has designed and constructed over 150 NRCS EWP projects. The largest being the Natchez Bluff Stabilization project funded by the USACE and NRCS, (\$30 million construction cost). Mr. Atkins managed and designed over 25 projects funded by the USACE 592 program. *(Work performed under previous consulting firm).*

Natchez Bluff Stabilization - The project required the design and construction of: 2 permanent soil nail walls with over 100,000 square feet of permanent shotcrete. More than 2,900 permanent soil nails. Over 2,500 feet of permanent soil nail wall, up to 62 feet high. Over 500 lineal feet of a permanent tieback soldier beam wall up to 48 feet high. Excavation, hauling and placement of over 100,000 cubic yards of dirt. *(Work performed under previous consulting firm).*

Road and Bridge Experience

Mr. Atkins has designed and constructed over 100 Mississippi State Aid Road and Bridge Projects in Adams and Wilkinson Counties. Mr. Atkins was involved in the widening of U.S. 61 and U.S. 84 (50 miles) and the relocation of Hwy 33 and 28 for MDOT. *(Work performed under previous consulting firm).*

Airport Experience

Mr. Atkins has designed all major aspects of the Natchez-Adams County Airport, including runways, T-hangers, drainage, etc. *(Work performed under previous consulting firm).*

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**Name & Title:**

Emmett (Ike) J. Mayer, Jr., P.E.
Structural Engineer

Project Assignment:

Structural Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

4 (2020)

Education: Degree(s)/Year/Specialization:

B.S. Civil Engineering 1966
M.S. Civil Engineering 1973

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 1971
Discipline: Civil State: Louisiana License No.: 12757
Also registered in Nevada (10018)

Other experiences and qualifications relevant to the proposed Project:

Mr. Mayer has over 50 years of experience in the Design and Planning of Hydraulic Structures, Levees, Twalls, and Drainage Pump Stations. Mr. Mayer has been involved with the engineering management of various infrastructure programs and marine projects.

Mr. Mayer was employed by the U.S. Army Corps of Engineers (USCE), New Orleans District, for over 14 years as a supervisory civil engineer and a structural engineer working on various flood control and navigation projects.

New River Pump-to-River, Ascension, Parish – HEI worked with FTN who modified the existing 2D HEC-RAS hydrologic and hydraulic model of the Bayou Manchac and Marvin Braud drainage basins to incorporate the proposed conveyance channel from Bluff Swamp, a detention basin and pump station to pump into the Miss. River. For initial determination of the conveyance size channel size, shape and slope a new 1D HEC-RAS model was developed and utilized. Construction Cost estimated at \$104 million.

Upper LA 45 Pump Station, Design Services for Upper LA 45 Evacuation Route Tidal Surge Protection, (A/E Project No. 20-2014F), Lafitte Parish, LA – This project involved the Upper LA 45 Evacuation Route Basin and tied into the Rosethorne Basin System to the East and the Fischer School Basin to the West. These two basins were constructed prior to the Upper LA 45 Evacuation Route Basin and the design of the Upper LA 45 Basin is in accordance with a 10-year return design flow. The interior pipe network system was designed as a subsurface

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Emmett (Ike) J. Mayer, Jr., P.E.
Structural Engineer

drainage network. The pipes were buried beneath the ground surface and included drain inlets and manholes. The storm water drainage pumping station was designed generally consisting of vertical drainage pumps, the structural elements for the platform including the foundation, sump intake, walls, platform, pedestrian catwalk, stairs, and trash screen. Also, included design for pumps, electrical, discharge pipe, and diesel generator. HEI Project No. 11-118-03

Ascension Parish Floodplain Management Plan Review– HEI provided support for the Floodplain Management Plan (FMP) and assisted the Ascension Parish Government in review of the existing Hydrologic and Hydraulic (H&H) modeling studies completed in Ascension Parish. Models included Marvin Braud, Bayou Manchac, Henderson Bayou, and Bayou Conway Basins. HEI Project No. 12-031-20

Castille Pass Sediment Delivery project located in St. Mary Parish, Louisiana – Project Engineer on the project included hydrodynamic modeling and the design of improvements to the Atchafalaya River Pass Delta Lobe to improve flow to create emergent marsh areas and enhance accretion in Atchafalaya Bay. Construction documents were prepared to improve the diversion of flow and create approximately 450 acres of emergent marsh. The construction documents provided the deepening of existing channels and locating new distributary channels along with construction of retaining dikes. Over two million cubic yards of material were dredged.

Big Island and Atchafalaya Sediment Delivery project. – Mr. Mayer served as Project Engineer on the project and utilized hydraulic dredging operations to open old sediment-clogged channels, the excavation of new distributary channels to create approximately 1,200 acres of productive wetlands. Numeric hydraulic computer models were used to evaluate various channel alignments. Mr. Mayer prepared plans and specifications for 21,000 feet of channels with over 4,120,000 cubic yards of dredged material accomplished with two 20" hydraulic dredges. Mr. Mayer provided construction administration services for the project.

Goose Point/Point Platte Marsh Creation project – Mr. Mayer served as Construction Manager for the project and created approximately 566 acres of new marshland by dredging from Lake Pontchartrain. A total of 49,557 linear feet of containment dikes were constructed to retain the 3.1 million cubic yards of hydraulically dredged material.

Lake Hermitage Marsh Creation and Shoreline Restoration – Mr. Mayer served as Construction Manager on this project. The project will create 550 acres of new marsh with the dredging of over 3.7 million cubic yards of material. Approximately 36,000 linear feet of containment dikes were constructed. Material is dredged from the Mississippi River over a distance of 27,000 feet.

New Orleans Sewage & Water Board 4 MW Emergency Generator Building – Mayer is the Engineer Manager for this project which includes a hurricane safe building design and all associated civil, structural, mechanical, and ancillary equipment and systems. Mr. Mayer was the Project Manager for the complete upgrade and rehabilitation of all mechanical/electrical equipment and systems in South Florida Water Management District's (SFWMD) manually operated S-5A, 6,000 cfs pump station located in Palm Beach County, Florida. The project includes the redesign of main pump rotating assemblies within existing pipe housings, replacement of existing

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Name & Title:

Emmett (Ike) J. Mayer, Jr., P.E.
Structural Engineer

chain drive units with new reduction gear drives and modernizing the 50-year-old engines to achieve EPA Tier compliance and SCADA system to be installed to auto-start all equipment from a central control room.

SFWMD project to improve the Pump Station S-127 on Lake Okeechobee – Mr. Mayer was the Engineer Manager for the to design a new intake basin and a manatee friendly raking system along with two-story hurricane resistant command center building and other site improvements.

South Florida Water Management District (SFWMD) – Mr. Mayer also served as Task Engineer Manager for the civil, structural, and mechanical engineering design of 925 cfs vertical pump equipment and two pump stations for STA 3/4 Pump Stations G-370 (3,000 cfs) and G-372 (4,000 cfs). He also was Lead Engineer Manager performing the construction administration of these structures. In addition, he served as Project Manager for the preparation of design- build documents to replace the bearings and shafts and incorporate suction basin rehabilitation work for seven (7) 800cfs drainage pumps at SFWMD Stations S-7 and S-8. He provided engineering support during construction to the district for this project. Mr. Mayer further assisted the SFWMD in its review of Contractor's proposed pump equipment and materials procurement submittals and attended manufacturer witness tests for SFWMD for Pump Stations G-370/G- 372, S-7 and S-8 Intake, S-26B, G-420, and Forward Pumps on Lake Okeechobee.

SFWMD, Major Pumping Station – Mr. Mayer served as the Engineering Manager authoring the promulgation of Engineering Guidelines Manual standard which was completed in 2006. All major pump station designs follow this engineer standard.

Mr. Mayer worked for the international engineering firm of Louis Berger International (Berger Barnard and Thomas, Inc. in Louisiana) for 13 years. During this tenure Mr. Mayer was promoted to be the Chief Operating Officer. Mr. Mayer's experience included the program management of many major projects requiring interfacing with local, state, federal, and foreign governments. While in charge of the New Orleans office, he was Program Manager for over \$100 million of interior drainage improvement in Jefferson and Orleans Parishes including the expansion of the Hero and Planters Pumping Stations, dredging of many miles of interior drainage canals that required land acquisition, relocation of facilities and proper disposal of dredged materials to minimize environmental impacts to the adjacent lands while improving the levees and canal drainage systems. Mr. Mayer was Engineer Manager for the expansion of the Hero Pumping Station from 1,300 cfs to 3,900 cfs and the expansion of the Planters Pumping Station from 1,250 cfs to 2,500 cfs in Jefferson Parish, Louisiana. Both projects consisted of the design of new stations and the expansion of suction and discharge canals to house large low-lift drainage pumps. Two types of pumps were utilized: 1) horizontal axial flow pumps ranging in size from 7 to 14 feet in diameter, and 2) vertical pumps with a capacity of 350 cfs installed in various combinations to meet each station's pumping capacity.

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer



Project Assignment:

Project Engineer

Name of Firm with which associated:



Years’ experience with this Firm:

7 (2017)

Education: Degree(s)/Year/Specialization:

B.S., 2018, Civil Engineering, Louisiana Tech University, Ruston, LA

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 2018

Discipline: Engineer Intern State: Louisiana License No.: EI33801

Other experiences and qualifications relevant to the proposed Project:

Mr. Guidry first started with HEI as an engineering intern in 2016. He began full-time after graduating in 2018, and also gained his E.I. license that year. Mr. Guidry has experience in Roadway/Highway, Drainage, and Sewer projects, with many of the projects including safety widening and intersection improvements.

RR189, Project No. 2016-RR189, Capital Improvement Program, RR3 Village De L’Est Group C (FRC), PW7120355; K17-420, DPW FEMA PW No. 21032, City of New Orleans, LA.: Engineering and construction management services for fall roadway reconstruction including drainage, water, and sewer replacements. Construction cost is approximately \$8,000,000. HEI Project No. 11-076-08

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system.

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

DPW FEMA No. 21032, Contract No. 1266, MK19-786, Project No. 2019-RR141, RR141 Pontchartrain Park Group B (FRCP), New Orleans, LA. Provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. Coordinated with subconsultant on surveying, preliminary design, final design, bidding, construction administration, and resident inspection. Provided design QA/QC at preliminary and final design milestones. Project work located along Mithra St., Piety Dr., Desire Dr., and Odin St. HEI Project No. 11-076-09B

DPW FEMA No. 21032, Contract No. 1268, MK19-787, Project No. 2019-RR142, RR142 Pontchartrain Park Group C (FRC), New Orleans, LA. Provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. Full roadway reconstruction and installation of 12" – 36" (EQ.) storm drains, 8" water mains, and 8" sanitary sewer gravity mains. Project work located along Mexico St., Pauline Dr., Columbia St., De Bore Dr., Frankfort St., and New York Circle. HEI Project No. 11-076-09C

DPW FEMA No. 21032, Contract No. 1271, MK19-788, Project No. 2019-RR143, RR143 Pontchartrain Park Group D (FRC), New Orleans, LA. Provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. Full roadway reconstruction and installation of 12" – 36" (EQ.) storm drains, 8" water mains, and 8" sanitary sewer gravity mains. Project work located along Mithra St., Providence Pl., Pressburg St., Prentiss Ave., and Press Dr. HEI Project No. 11-076-09D

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

Intersection Improvements (Veterans Blvd. – Bonnabel Blvd.) JP Parish Project 2017-028-RBP, Jefferson Parish, LA (On-going). Mr. Guidry provided Engineering support for this capacity improvements project at the intersection of Vets/Bonnabel. Additional left turn lanes are included in both directions along Veterans, new U-turns along Bonnabel, new signal to include pedestrians and future bike path. HEI Project No. 11-014-95

Acadian Road Roundabout Route LA 20 (Canal Blvd.) and Local Routes (Back St., Jackson St., Thompson Pl.), Contract No. 4400004485, SPN. H009320.5, FAP No. H009320, Lafourche Parish, LA. Design of a traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson ST. in Thibodeaux, LA. The proposed roundabout shall branch from LA 20 into Canal Blvd. and Jackson St., also connecting Back St. and Thompson Pl. at the east and west approaches. Design will conform to EDSM V1.11.6. HEI Project No. 12-092-09

Lapalco Boulevard Improvements (Victory Drive – Westwood Drive), JPPW No. 96-019D-RBI, SPN. 742-26-0033, FAP No. HP-STP-6130(010) (Phase II), Jefferson Parish/LaDOTD, LA. Preliminary and final construction plans for 0.8 miles of road widening (from 4-6 lanes), drainage improvements, wetland delineation and jurisdictional determination, public hearings, regulatory agency coordination, permitting, (404 from COE, Coastal Use from LDNR, Water Quality Certification from LDEQ), and wetland mitigation. HEI Project No. 11-014-53

Professional Engineering Design and Related Services – MOVE ASCENSION INITIATIVE: MA-17-11, Task Order No. 1, C. Braud Road Safety Widening (LA 73 – Bluff Rd.), Ascension Parish, LA. Approximately 1 mile of safety widening along C. Braud Rd. and adding turning lanes on LA 928 onto C. Braud Rd. Design includes Roadway, Drainage and Sequence of Construction. HEI Project No. 12-031-13

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**Name & Title:**

Madeline M. Bourgeois, E.I.
Project Engineer

**Project Assignment:**

Project Design

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

3 (2021)

Education: Degree(s)/Year/Specialization:

B.S., 2019, Civil Engineering, Louisiana State University, Baton Rouge, LA

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 2021

Discipline: Engineer Intern State: Louisiana License No.: EI34782

Other experiences and qualifications relevant to the proposed Project:

Ms. Bourgeois just started with HEI as an engineering intern in 2021. She began full-time in January 2022. Ms. Bourgeois has experience in Roadway/Highway projects, with these projects including safety widening and intersection improvements.

Veterans Memorial Blvd. Multi-Use Path And Improvements (Soniata Canal – Downs Blvd.) Jefferson Parish Department Of Public Works Public Works Project No. 2022-011-RB, Jefferson Parish, LA: Funded by the U.S. Department of Housing and Urban Development under the Community Development Block Grant HUD Grant # (B-22-UC-22-000, The project consists of construction of an ADA compliant bicycle and pedestrian multi-use path along Veterans Memorial Blvd. from Downs Blvd. to Soniat Canal and along Downs Blvd. to N. Scenic Dr. Minor Drainage, pavement work, and signal work ancillary to construction of the multi-use path is included as well. *HEI Project No. 11-014-102*

Lapalco Blvd. Improvements, (Tanglewood to Victory Drive) SPN H.014316, DPW No. 97-025-RB, Jefferson Parish, LA: Ms. Bourgeois assisted in Preliminary and Final construction plans for 0.8 miles of road widening (from 4-6 lanes), drainage improvements, new signalized intersection, wetland, delineation and jurisdictional determination, public outreach and public hearings, regulatory agency coordination, permitting (404 form COE, Coastal Use from LDNR, Water Quality Certification from LDEQ), and wetland mitigation. *(HEI Project No. 11-014-53-86)*

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Madeline M. Bourgeois, E.I.
Project Engineer

SPN H. SPN H.014100.5, LADOTD - Task Order – LA 408: I-110 End of Concrete Section (Hooper Rd.), IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62: The project includes concrete panel replacement and composite pavement repair along the travel lanes of LA 408 from 565- ft west of the CL of the I-110 overpass up to the end of concrete section (and including the intersection of LA 410 and LA 408). The Project also includes curb repair as needed. HEI Project No. 12-092-14a

SPN H.0141112, LADOTD - Task Order – LA 16, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62: HEI’s responsibilities will include removing the existing storm drain system and replace with a larger system. Also, to reduce head losses and sedimentation by removing the 90° angle in the system and implement uniformity in pipe size where applicable. These improvements will help prevent the flooding of LA 16 by adding a properly sized system with reduced head losses and in addition helping to eliminate flooding possibilities for the businesses fronting LA 16. HEI Project No. 12-092-14b

SPN H.012914.5, LADOTD - Task Order – LA 3073: Ambassador @ Bonin Improvements, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62: HEI’s responsibilities will include extending existing turn lanes to LA 89 and LA 3073. Extend the eastbound and westbound left turn lanes on LA 3073 and remove island between the left turn lane and the through lanes. Also, extend the eastbound and westbound right turn lanes on LA 3073. The widening of roadway and the median modifications in appropriate locations are to meet design standards. HEI Project No. 12-092-14z

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**Name & Title:**

Jordan E. LeBas, E.I.
Project Engineer

**Project Assignment:**

Project Design

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

1 (2023)

Education: Degree(s)/Year/Specialization:

B.S., 2021, Civil Engineering, Louisiana State University, Baton Rouge, LA

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 2023

Discipline: Engineer Intern State: Louisiana License No.: EI35548

Other experiences and qualifications relevant to the proposed Project:

Mr. LeBas just started with HEI as an engineering intern in 2023. Mr. LeBas has been in training with HEI since being employed at the beginning of 2023 with gaining knowledge in Roadway/Highway projects, Levee projects, and Drainage projects. Recently gaining his E.I. licenses.

Bedico-Faubourg Interconnect 12-inch Waterline, St. Tammany Parish, LA: Prepare Construction Plans and Specifications, Bidding and Construction Management Services for 5,000 LF of 12" Waterline Extension. This project will connect two different water systems. (HEI Project No. 12-126-02)

Roosevelt Blvd. Roadway Improvements – W. Metairie Ave. to W. Napoleon Ave., S.P.N. H.615120, City of Kenner, LA: Project improvements include the reconstruction of Roosevelt Boulevard from W. Napoleon Avenue to W. Metairie Avenue. Work comprises of the following: pavement removal and replacement, drainage lateral replacement, curb inlet adjustments, drainage trunkline repairs, roadway cross-slope correction, driveway replacement (to R/W), minor sidewalk adjustments (at driveways), and removal of median trees. (HEI Project No. 11-011-88)

Garyville Pump Station and Force Main, St. John the Baptist Parish, LA: Project includes a new transfer pump station and discharge force main from the existing Garyville WWTP site to the Reserve Wastewater Treatment Pond. The new submersible lift station will require an Emergency Pump Out (EPO) manhole and fiberglass valve pit and wet well. The initial capacity analysis based on influent flow information from the flow monitor at the existing Garyville WWTP had determined that the station requires a peak flow capacity of 1.6 MGD or 1,200 gallons per minute to properly service the area during peak wet weather flow times. A new force main is being constructed by directionally drilling a new 12" HDPE FM approximately 26,500 linear feet in length that discharges to the Reserve Wastewater Treatment Pond Headworks. (HEI Project No. 12-023-07)

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Stephen F. Urquhart
Civil/CAD Technician



Project Assignment:

Drafting and AutoCAD / MicroStation Services

Name of Firm with which associated:



Years’ experience with this Firm:

27 (1997)

Education: Degree(s)/Year/Specialization:

Assoc. Degree, Drafting/Design (AutoCAD/GIS), Baton Rouge Tech Architecture Courses, University of Southwestern Louisiana

Active registration: Year first registered/discipline:

N/A

Other experiences and qualifications relevant to the proposed Project:

Mr. Urquhart has been a long-time member of HEI. Through his many years of service, he has amassed a wide range of drafting experience. In addition, through the years, he has become a competent design assistant on many diverse and complex projects. Mr. Urquhart is experienced in AutoCAD drafting/designing, ESRI ArcView/GIS mapping and database, extraction of GPS survey data for use in mapping via ArcView/GIS, illustrations, and renderings.

S&WB Contract No. R-053-2012, Water Line Replacement Program (Audubon, Uptown and West Riverside) Neighborhoods, New Orleans, LA: The purpose of this Project is to replace water lines in three neighborhoods on the New Orleans East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement are based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed was coordinated with the City of New Orleans Street restoration program, Submerged Roads Program, ongoing Sewerage & Water Board projects for water point repairs, sewer repair and replacement projects. (HEI Project No. 11-016-04)

Bedico-Faubourg Interconnect 12-inch Waterline, St. Tammany Parish, LA: Prepare Construction Plans and Specifications, Bidding and Construction Management Services for 5,000 LF of 12” Waterline Extension. This project will connect two different water systems. (HEI Project No. 12-126-02)

DPW Project. No. 2017-RR189, PW7120355; K17-420, RR189 Village De L’est Group C (FRC), New Orleans, LA: HEI provided professional engineering design services for FEMA-eligible street repairs and utility

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Stephen F. Urquhart
Civil/CAD Technician

installations on four assigned streets within the Village De L'Est Group C Project boundary. Design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations. (HEI Project No. 11-076-08)

10-inch Waterline Extension along Gause Boulevard, Slidell, LA: Prepare Construction Plans and Specifications, Bidding, and Construction Management Services for approximately 2,000 LF of Waterline Extension along Gause Boulevard. (HEI Project No. 12-090-12)

Faubourg Coquille Water System – Water Quality Evaluation, St. Tammany, LA: HEI is providing engineering services to conduct an analysis of Tammany Utilities' Faubourg Coquille water system. Tammany Utilities' has five wells on the Faubourg Coquille water system that include the Diversified Water Well, Faubourg Water Well, Timber Branch Water Well, Black River Water Well and the Christwood Water Well. The Faubourg Coquille water system currently serves approximately 4,300 customers. HEI is sampling and testing each well site to analyze for inorganics (cations and anions), silicon, TOC, silt density index (SDI) and soft metals. The data analysis will include a water chemistry balance. (HEI Project # 12-126-01-10)

Water Utility System Due Diligence Review and Evaluation (People's Water System), Ascension Parish, LA: Professional engineering services to include due diligence review and evaluation of infrastructure and related items associated with the possible purchase of a private water utility system in Ascension Parish. The purpose of this report is to present the results of an engineering review and evaluation of the potable water system, plant, and facilities owned and operated by the Peoples Water Service of Donaldsonville, Louisiana (PWS) serving the City of Donaldsonville and adjacent, limited portions of the unincorporated west bank Ascension Parish, Louisiana. The review and evaluation of the PWS facilities was made on behalf of the Parish of Ascension for the purpose of establishing an equitable basis for the possible purchase of the facilities. (HEI Project #12-031-08)

2007-070-WR, Grand Isle Waterline Improvements, Grand Isle, LA.: Design of approximately 7,500 feet of new, 12-inch, C-900 waterline from Ludwig Lane and LA 1 to Admiral Craig and Pirates Cove Marina Road, determine whether existing roadway servitudes are adequate to construct the line, taking into consideration above and below ground pipelines and other features within and/or crossing the servitudes, and responsible for integrating the waterline design (installation through various means i.e. open-cut, jack and bore) with such pipelines and features and coordinate the effort with local property and pipeline owners as needed. (HEI Project No. 12-014-72)

DPW Project No. 2001-046F-DR(SELA), Harahan Pump to the River, Jefferson Parish, LA. This is a unique project in terms of complexity, administration, design, and rights of way to relieve chronic flooding in southeastern portion of east bank of Jefferson Parish via Southeast Louisiana Urban Flood Control Project (SELA), of the COE: A 700' long Suction canal; a 1,200 cfs pumping station; Three 9,000' long 84" diameter discharge piping to the Mississippi River levee, Reinforced concrete levee crossing of discharge pipes; Reinforced concrete discharge basin in Mississippi River; coordination with local community, regulatory agencies and DOTD regarding a very old oak tree (the Old Dickory); and relocation of several high tension electrical transmission towers. Project involved Detailed Design, construction documents (Plans and Specifications), cost estimate, engineering during

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Stephen F. Urquhart
Civil/CAD Technician

construction, and construction management/QA, for construction cost of \$106.8 Million. HEI Project No. 11-012-09

South Claiborne Avenue Canal II, Leonidas to Lowerline, New Orleans, LA. Owner: Sewerage & Water Board of New Orleans: The project consisted of approximately 3,300 linear feet of box culvert parallel to an existing box on S. Claiborne between Leonidas to Lowerline. The new box culvert was approximately 15’ x 10’. Additionally, the project consists of utility relocations and traffic control during construction. HEI Project No. 11-029-02, 12-029-04

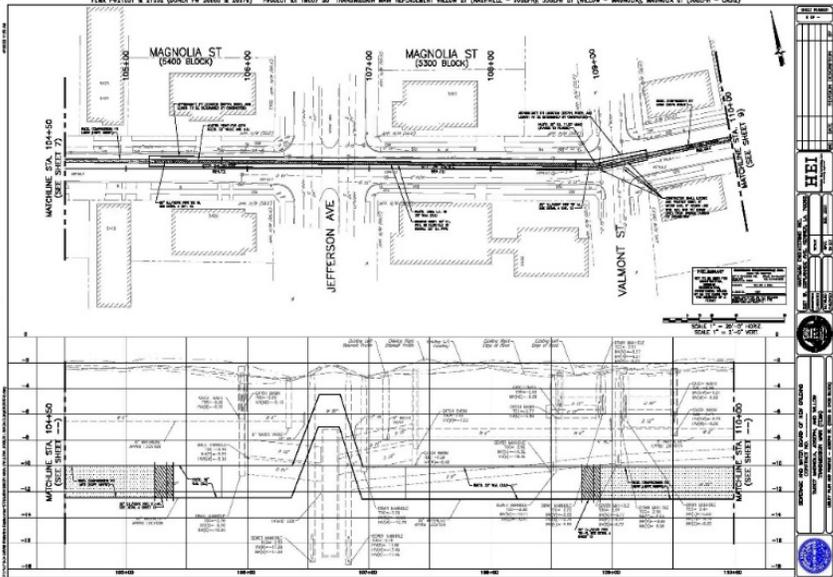
DPW FEMA No. 21032, Contract No. 1268, MK19-787, Project No. 2019-RR142, RR142 Pontchartrain Park Group C (FRC), New Orleans, LA: Design services for FEMA-eligible street repairs and utility installations on four assigned streets within the Village De L'est Group C Project boundary. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15” to 54”, circular and arch), and design of water and sanitary sewer installations. (HEI Project No. 11-076-09)

DPW FEMA No. 21032, Contract No. 1271, MK19-788, Project No. 2019-RR143, RR143 Pontchartrain Park Group D (FRC), New Orleans, LA: Provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins. Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15” to 54”, circular and arch), and design of water and sanitary sewer installations. Full roadway reconstruction and installation of 12” – 36” (EQ.) storm drains, 8” water mains, and 8” sanitary sewer gravity mains. Project work located along Mithra St., Providence Pl., Pressburg St., Prentiss Ave., and Press Dr.

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

<p>Project Name, Location and Owner's contact information:</p>	<p>Nature of Firm's Responsibility:</p>	
<p>S&WB Contract No. R-053-2012, Water Line Replacement Program (Audubon, Uptown, and West Riverside) Neighborhoods</p> <p>New Orleans, LA HEI Project No. 11-016-04</p> <p><i>Owner:</i> Sewerage and Water Board Of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p><i>Project Manager:</i> Susan Diehl Project Manager 504-930-7209</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Sundararaja C. Rao, P.E. (Hydraulic Engineer) • Tony R. Tramel, P.E. (Traffic Engineer) • Stephen F. Urquhart (CAD Designer) 	<p>HEI was responsible for design of water lines recommended for replacement, including preparation of preliminary design plans, 70% plans, and final design plans, in accordance with Board standards. Developed opinion of probable construction cost. Firm's Role: Design, Bid Services, Resident Inspection, and Construction Management</p> <p>The purpose of this Project is to replace water lines in three neighborhoods on the New Orleans East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement are based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed was coordinated with the City of New Orleans Street restoration program, Submerged Roads Program, ongoing Sewerage & Water Board projects for water point repairs, sewer repair and replacement projects. Over 12,700 linear feet of water mains are to be replaced in the West Riverside, Uptown, and Audubon neighborhoods.</p> 	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 2012 End Date: 2023</p>	<p>Entire Project: \$3,200,000 (Construction)</p>	<p>Work for which Firm was Responsible: \$415,155 (Fee)</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 2

<p>Project Name, Location and Owner's contact information:</p>	<p>Nature of Firm's Responsibility:</p>	
<p>Bedico-Faubourg Interconnect 12-inch Waterline</p> <p>St. Tammany Parish, LA HEI Project No. 12-126-02</p> <p><i>Owner:</i> St. Tammany Parish P.O. Box 628 Covington, LA 70434</p> <p><i>Project Manager:</i> Andrew Hontiveros, P.E. 504-462-1147</p> <p>% of work Performed in LA: 100% Firm's Responsibility: Prime Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Connor D. Guidry, E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	 <p>HEI prepared Construction Plans and Specifications, Bidding and Construction Management Services for 5,000 LF of 12" Waterline Extension. This project connected 2 different water systems.</p> <p>Firm's Role: Engineering Design, Bidding, Resident Inspection, and Construction Administration</p> <p>The Bedico-Faubourg Interconnect Project included the construction of approximately 5,000 LF of 12" water main along Louisiana Highway 1085 (LA-1085) from Bedico Boulevard to Red Fox Run Boulevard. The new 12" water main was constructed to connect the Bedico and Faubourg Water Public Systems. The new 12" water main tie-in to an existing 12" water main on Bedico Boulevard and existing 8" water main on Red Fox Run Boulevard. The new water main was constructed using C900 PVC and C906 HFPE and shall have 12" inside diameter as required to provide the desired flow and pressure. Additionally, fire hydrants and isolation valves shall be installed along the water main extension.</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 2021 End Date: 2024 est.</p>	<p>Entire Project:</p> <p>\$1,353,008 (Construction)</p>	<p>Work for which Firm was Responsible:</p> <p>\$122,100</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Faubourg Coquille Water System – Water Quality Evaluation</p> <p>St. Tammany, LA HEI Project No. 12-126-01-10</p> <p><i>Owner:</i> St. Tammany Parish Government P.O. Box 628 Covington, LA 70434</p> <p><i>Project Manager:</i> Andrew M Hontiveros, P.E. 985-898-2700</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Larry E. Shriver (Treatment Process Specialist) • Stephen F. Urquhart (CAD Designer) 	 <p>HEI was responsible for sampling and testing each well site to analyze for inorganics (cations and anions), silicon, TOC, silt density index (SDI) and soft metals. The data analysis will include a water chemistry balance. Firm's Role: Design and Construction Administration</p> <p>HEI is providing engineering services to conduct an analysis of Tammany Utilities' Faubourg Coquille water system. Tammany Utilities' has five wells on the Faubourg Coquille water system that include the Diversified Water Well, Faubourg Water Well, Timber Branch Water Well, Black River Water Well and the Christwood Water Well. The Faubourg Coquille water system currently serves approximately 4,300 customers.</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 5/10/2021 End Date: 9/13/2021</p>	<p>Entire Project:</p> <p>\$35,000</p>	<p>Work for which Firm was Responsible:</p> <p>\$35,000</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Waterline Improvements, Project No. 2007-070-WR</p> <p>Grand Isle, LA HEI Project No. 12-014-72</p> <p><i>Owner:</i> Jefferson Parish Dept. of Water 1221 Elmwood Park Blvd. Jefferson, LA 70123</p> <p><i>Project Manager:</i> Bob Dale 504-736-6724 bdale@jeffparish.com</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	 <p>HEI was responsible for integrating the waterline design with such pipelines and features and coordinate the effort with local property and pipeline owners as needed. Firm's Role: Design, Construction Administration, and Resident Inspection</p> <p>Design of approximately 7500 feet of new, 12-inch, C-900 waterline from Ludwig Lane and LA 1 to Admiral Craig and Pirates Cove Marina Road, determine whether existing roadway servitudes are adequate to construct the line, taking into consideration above and below ground pipelines and other features within and/or crossing the servitudes.</p>					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2008</p> <p>End Date: 2009</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="602 1696 1065 1772">Entire Project:</th> <th data-bbox="1065 1696 1554 1772">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="602 1772 1065 1858">\$2,499,257 (Construction)</td> <td data-bbox="1065 1772 1554 1858">\$333,090 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$2,499,257 (Construction)	\$333,090 (Fee)
Entire Project:	Work for which Firm was Responsible:					
\$2,499,257 (Construction)	\$333,090 (Fee)					

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>DPW Project. No. 2017-RR189, PW7120355; K17-420, RR189 Village De L'est Group C (FRC)</p> <p>New Orleans, LA HEI Project No. 11-076-08</p> <p><i>Owner:</i> Sewerage and Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p><i>Project Manager:</i> Brian Fontaine 504-658-8036</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Danielle B. Connelly, P.E. (Project Engineer) • Connor D. Guidry E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	<p>HEI provided professional engineering design services for FEMA-eligible street repairs and utility installations on four assigned streets within the Village De L'Est Group C Project boundary. Design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations.</p> <p>Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades are designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins.</p> <p>Key Project Elements:</p> <ul style="list-style-type: none"> • 6,500 linear feet of 15" – 54" Storm Drain Pipe • 6,000 linear feet of 8" Water Main • 2,500 linear feet of 8" Sewer Gravity Main • Full Reconstruction of Roads, Sidewalks, and Drives 					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2017 (Actual) End Date: 2022</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="594 1690 1063 1764">Entire Project:</th> <th data-bbox="1063 1690 1557 1764">Work for which Firm was responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="594 1764 1063 1860">\$7,500,00 (Construction)</td> <td data-bbox="1063 1764 1557 1860">\$955,461 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was responsible:	\$7,500,00 (Construction)	\$955,461 (Fee)
Entire Project:	Work for which Firm was responsible:					
\$7,500,00 (Construction)	\$955,461 (Fee)					

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

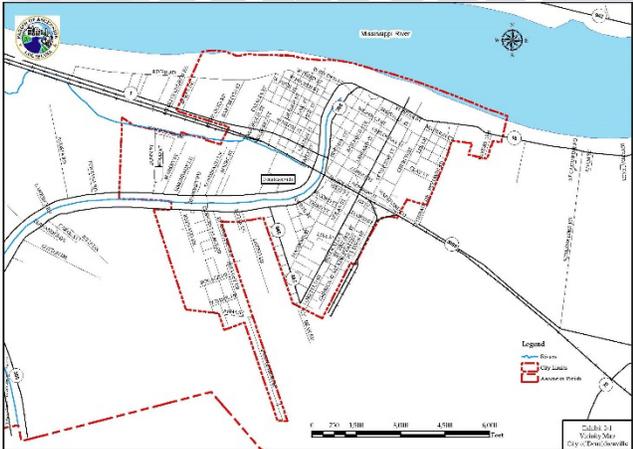
PROJECT NO. 6

<p>Project Name, Location and Owner's contact information:</p>	<p>Nature of Firm's Responsibility:</p>	
<p>10-inch Waterline Extension along Gause Boulevard</p> <p>Slidell, LA HEI Project No. 12-090-12</p> <p><i>Owner:</i> City of Slidell P.O. Box 828 Slidell, LA 70458</p> <p><i>Project Manager:</i> Blaine Clancy 985-646-4270</p> <p>% of work Performed in LA: 100% Firm's Responsibility: Prime Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Connor D. Guidry, E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	<p>HEI prepared Construction Plans and Specifications, Bidding, and Construction Management Services for approximately 2,000 LF of Waterline Extension along Gause Boulevard. Firm's Role: Engineering Design, Bidding, Permitting, and Construction Administration</p> <p>The Gause Blvd. route corridor for the 10-inch waterline extension along Gause Blvd. is approximately 1,300 feet eastward from the northbound lanes of the Northshore Blvd. intersection. The professional services are to include the following for the 10-inch waterline extension: Surveying the proposed route and alignment on the north side of Gause Blvd. from northbound lanes of the Northshore Blvd. intersection, approximately 200 feet north of the west bound lanes of Gause Blvd. and on and along the north rights-of way of Gause Blvd. to approximately 200 feet east of the property located at 2170 Gause Blvd. The proposal is to include, at a minimum, the following information along the proposed route.</p> 	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 2021 End Date: 2024 est.</p>	<p>Entire Project: \$91,900 (Construction)</p>	<p>Work for which Firm was Responsible: \$60,100 (Fee)</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

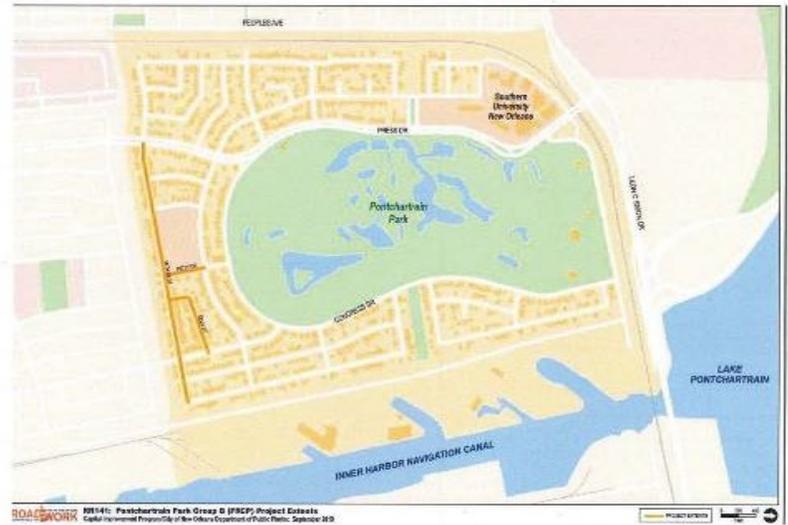
PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Utility System Due Diligence Review and Evaluation (People's Water System)</p> <p>Ascension Parish, LA HEI Project No. 12-031-08</p> <p><i>Owner:</i> Ascension Parish 615 E. Worthey St. Gonzales, LA 70737</p> <p><i>Project Manager:</i> Kenneth Dawson 225-450-1156</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Environmental Engineer) • Sundararaja C. Rao, P.E. (Hydraulic Engineer) • Stephen F. Urquhart (CAD Designer) 	<p>Professional engineering services to include due diligence review and evaluation of infrastructure and related items associated with the possible purchase of a private water utility system in Ascension Parish. The purpose of this report is to present the results of an engineering review and evaluation of the potable water system, plant, and facilities owned and operated by the Peoples Water Service of Donaldsonville, Louisiana (PWS) serving the City of Donaldsonville and adjacent, limited portions of the unincorporated west bank Ascension Parish, Louisiana. The review and evaluation of the PWS facilities was made on behalf of the Parish of Ascension for the purpose of establishing an equitable basis for the possible purchase of the facilities. Firm's Role: Project Manager, Data Collection, Engineering, and Report Preparation</p>   	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 2015 End Date: 2016</p>	<p>Entire Project:</p> <p>\$49,900 (Construction)</p>	<p>Work for which Firm was Responsible:</p> <p>\$49,900 (Fee)</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 8

<p>Project Name, Location and Owner's contact information:</p>	<p>Nature of Firm's Responsibility:</p>					
<p>DPW FEMA No. 21032, Contract No. 1266, MK19-786, Project No. 2019-RR141, RR141 Pontchartrain Park Group B (FRCP)</p> <p>New Orleans, LA (HEI Project No. 11-076-09)</p> <p><i>Owner:</i> Sewerage and Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p><i>Project Manager:</i> Ahmed Hamed, E.I. 504-494-1412 Ahmed.Hamed@nola.gov</p> <p>% of work Performed in LA: 100% Firm's Responsibility: Prime Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Danielle B. Connelly, P.E. (Project Engineer) • Sundararaja C. Rao, P.E. (Hydraulic Engineer) • Connor D. Guidry, E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	 <p>Professional Services Agreement between City of New Orleans and Hartman Engineering, Inc. RR141 - Pontchartrain Park Group B (FRCP) MK19-786 Page 30 of 32</p> <p>HEI provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins.</p> <p>Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations.</p> <p>Coordinated with subconsultant on surveying, preliminary design, final design, bidding, construction administration, and resident inspection. Provided design QA/QC at preliminary and final design milestones. Project work located along Mithra St., Piety Dr., Desire Dr., and Odin St.</p>					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2017 End Date: 2021</p>	<p>Estimated Cost:</p> <table border="1"> <tr> <td data-bbox="534 1696 1006 1774">Entire Project:</td> <td data-bbox="1006 1696 1544 1774">Work for which Firm was Responsible:</td> </tr> <tr> <td data-bbox="534 1774 1006 1845">\$4,412,000 (Fee)</td> <td data-bbox="1006 1774 1544 1845">\$29,000 (Fee)</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$4,412,000 (Fee)	\$29,000 (Fee)
Entire Project:	Work for which Firm was Responsible:					
\$4,412,000 (Fee)	\$29,000 (Fee)					

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Water Line Replacement Program (WLRP) – TM007 30-in Transmission Main Replacement Project - Magnolia, Joseph, and Willow (FEMA)</p> <p>New Orleans, LA <small>(HEI Project No. 11-016-04)</small></p> <p><i>Owner:</i> Sewerage and Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p><i>Project Manager:</i> Randall Schexnayder, P.E. 504-930-7211</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Environmental / Hydraulic Engineer) • Danielle B. Connelly, P.E. (Project Engineer) • Connor D. Guidry, E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	<p>HEI is responsible for performing design engineering services for TM007 Magnolia, Joseph and Willow Enhanced Transmission Main Project and continue providing construction services RR001 Audubon Group A Project.</p> <p>The 30-inch water main replacement design uses a combination of open cut trenching and swagelining methods, with open cuts starting on Willow from Nashville and swagelining segments on Joseph and Magnolia Streets, with an open cut crossing at the new drainage box culvert at Jefferson Ave. and the swagelining ending at Cadiz Street. Swagelining using 30-inch HDPE liner inserts.</p>   					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2020</p> <p>End Date: 2023</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="532 1648 1006 1764">Entire Project:</th> <th data-bbox="1006 1648 1544 1764">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="532 1764 1006 1858">\$6,132,000</td> <td data-bbox="1006 1764 1544 1858">\$30,092 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$6,132,000	\$30,092 (Fee)
Entire Project:	Work for which Firm was Responsible:					
\$6,132,000	\$30,092 (Fee)					

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 10

<p>Project Name, Location and Owner's contact information:</p>	<p>Nature of Firm's Responsibility:</p>	
<p>NOLA Motorsports Park</p> <p>Jefferson Parish, LA HEI Project No. 13-115-01</p> <p><i>Owner:</i> Jefferson Parish Community Development 1221 Elmwood Park Boulevard Jefferson, LA 70123</p> <p><i>Project Manager :</i> Laney Chouest 504-569-0032</p> <p>% of work Performed in LA: 100% Firm's Responsibility: Prime Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	 <p>HEI design included the following items:</p> <ul style="list-style-type: none"> •Potable Water System, including water mains, fire hydrants, water service to curb, control valves and tie-in to Parish water system. •Sanitary Sewer System, including gravity sewers, manholes, sewer grinder pumps, sanitary sewer stub out to curb, master sewer pump station, connection to Parish sewer system and associated valves and devices. •Storm Water Drainage System, retention ponds, Jefferson Parish Drainage Report, and connection to Parish drainage system, catch basins, conduits and associated devices. •Roadway, Paving and Parking plans, sidewalks, parking lots, roadway plan and profile, curbs and details. •Site Grading plan, final elevations, cut and fill quantities, storm water control. This site grading plan will encompass the project site up to the limits of, but not including racetracks or structures. <p>This project included a 450-acre auto racetrack complex. Project included an overall site drainage study; design of access roads and parking areas (115,000 square yard), 8" water mains (22,315 linear feet), 8" sanitary sewer gravity main (12,345 linear feet), multiple pump stations with force mains (11,400 linear feet), various sized storm drainage facilities (15,150 linear feet); and an overall site grading plan. Firm's Role: Design and Construction Administration</p>	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 2010 End Date: 2011</p>	<p>Entire Project:</p> <p>\$404 (Construction Fee)</p>	<p>Work for which Firm was Responsible:</p> <p>\$404 (fee)</p>

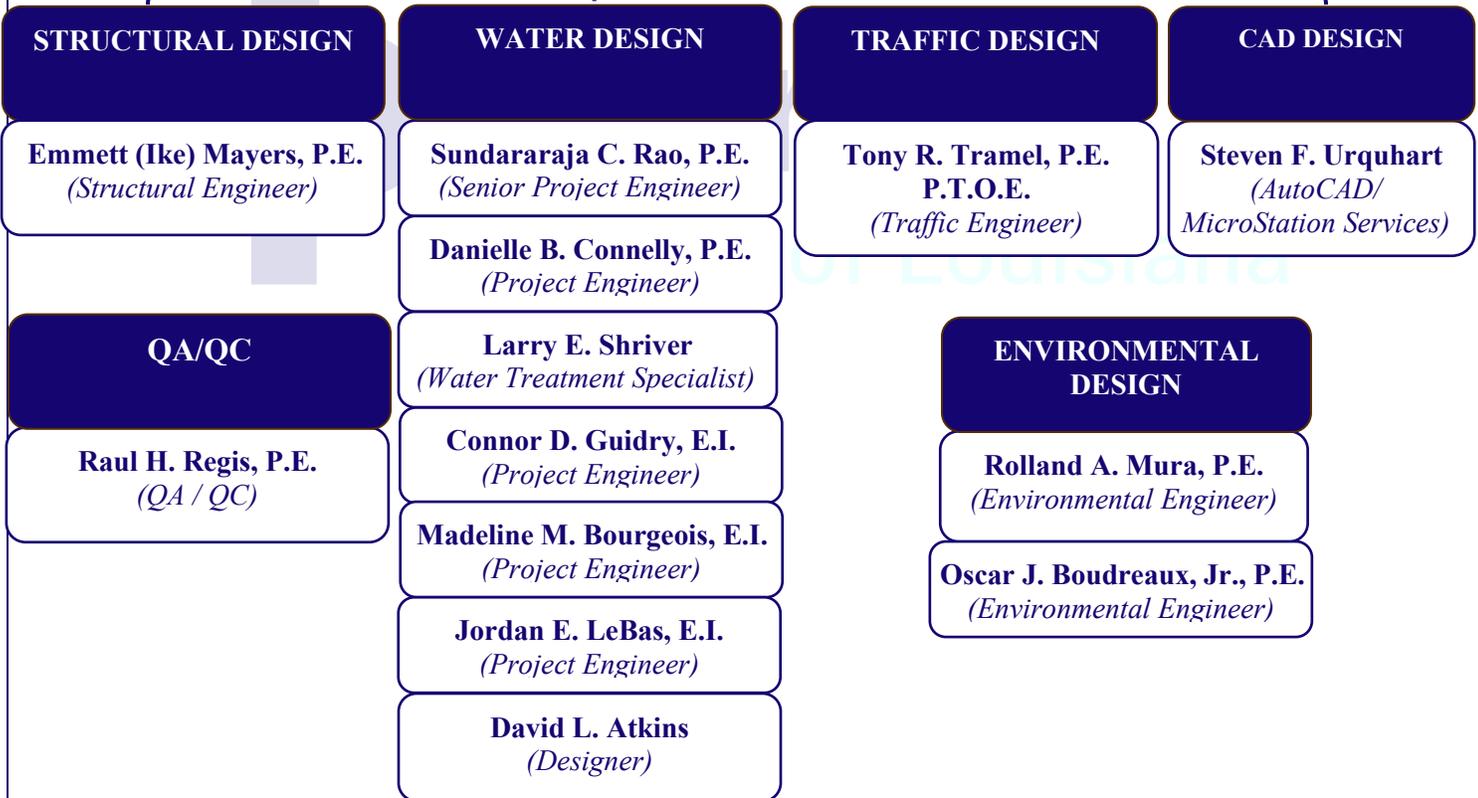
TEC Professional Services Questionnaire

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project.

HEI Organizational Chart



Jared B. Monceaux, P.E.
(President and Project Oversight)



TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		None to Report
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project.

MINIMUM REQUIREMENTS FOR SELECTION:

1. One principal who is a professional engineer who shall be registered in Louisiana.
 - **Jared B. Monceaux, P.E. HEI PE 32202 Exp. 3/31/2026**
2. A professional in charge of the Project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years’ experience in the disciplines involved.
 - **Jared B. Monceaux, P.E. HEI PE 32202 Exp. 3/31/2026**
3. One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project. (A sub-consultant may meet the requirement only if the advertised Project involves more than one discipline.)
 - **Jared B. Monceaux, P.E. HEI PE 32202 Exp. 3/31/2026**
 - **Rolland A. Mura, P.E. HEI PE 14997 Exp. 3/31/2026**
 - **Danielle B. Connelly, P.E. HEI PE 36284 Exp. 9/30/2025**

1. PROFESSIONAL TRAINING AND EXPERIENCE (35 points)

HEI’s engineering projects consist mainly of Public Works such as wastewater system design and assessments, roads, streets, associated traffic design and control, drainage structures, canals, bridges, culverts, bulkheads, pump stations, levees, and floodwalls. Our work is usually in congested urban areas, so we are sensitive to consideration of the impact on adjacent residents and businesses. Relocation of conflicting facilities/utilities is a typical task. See Section L for detailed experience.

HEI’s staff includes engineers with advanced civil and environmental engineering degrees and numerous professional and training certifications including the prestigious Board Certification from the American Academy of Environmental Engineering.

HEI has a full staff of CAD, MicroStation, InRoads, and GIS professionals capable of handling the workload for the project at hand. They are fully versed in the requirements and expectations you have regarding guidelines and deliverables for this project.

2. CAPACITY FOR TIMELY COMPLETION (20 points)

HEI prides itself with meeting project deadlines requested by our clients. HEI offers the engineering and support staff required to meet accelerated deadlines and, most importantly, deliver a quality product in that time frame. A few examples of our promptness can be found in the following:

- a) **Soniat Canal Drainage Improvements preliminary plans, completed in only one month as requested by the client (Jefferson Parish).**

b) The East Baton Rouge City-Parish Project, 25th St – N. Acadian Project Design was 100% **Complete within 7 months** (including Survey Services and Geotechnical Analysis) of Notice to Proceed as per the request of City/Parish. **HEI completed this project 2 months ahead of schedule.**

3. LOCATION OF THE PRINCIPAL OFFICE (15 points)

The firm’s offices are located in Kenner and Prairieville, Louisiana. The Kenner office is located within Jefferson Parish and will be providing all the professional services under this contract, providing an easy location for meetings.

4. LITIGATION (15 points)

In thirty-five years of professional service activities, HEI has not been involved in any litigation activity with Jefferson Parish or any other clients.

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS. (15 points)

HEI has successfully completed many projects for Jefferson Parish in its more than thirty-year tenure including all aspects of planning, design, and construction for drainage, sewer, and roadway projects. We offer the following references for your review and invite you to contact them directly for a discussion of HEI’s capabilities.

<p>Mark Drewes, P.E., Dir. of Public Works Jefferson Parish 1221 Elmwood Park Blvd., Ste. 904 Jefferson, LA 70123 504-736-6783</p>	<p>Neil Schneider, P.E., Dir. of Capital Projects Jefferson Parish 1221 Elmwood Park Blvd., Ste. 906 Jefferson, LA 70123 504-736-6833</p>	<p>Mike Lockwood, MSPH, Dir. of Sewerage Jefferson Parish 1221 Elmwood Park Blvd., Ste. 803 Jefferson, LA 70123 504-736-6661</p>
<p>Jackie Baumann, P.E., City Engineer, City of Gonzales 120 S. Irma Blvd. Gonzales, LA 70737 225- 647-9589</p>	<p>Melissa LeBas, P.E., Urban Systems Project Mgr. LaDOTD 1201 Capital Access Road, Room S-616 Baton Rouge, LA. 70802 225-379-1046</p>	<p>Jose Gonzales, Deputy CAO Public Works and Capital Projects for City of Kenner 1610 Reverend Richard Wilson Drive Kenner, LA 70062 504-468-7515</p>
<p>Ryan Foster, P.E., Project Engineer Orleans Levee District 6920 Franklin Ave. New Orleans, LA 70122 504-286-3100</p>	<p>Ryan King, National Water Infrastructure 37458 Cornerview Road Geismar, LA 70734 225-673-3156</p>	<p>Jason LaCombe, P.E., Assistant Road Design Engineer Administrator, LADOTD 1201 Capitol Access Rd. Baton Rouge, LA 70802 225-379-1046</p>
<p>Ron Savoy, Drainage Director East Ascension Drainage District 42077 Churchpoint Rd. Gonzales, LA 70737 225-621-5737</p>		

6. FIRM SIZE (10 points)

HEI has a full staff to provide engineering services, with offices in Kenner and Prairieville, Louisiana, providing all of the professional and support personnel required to complete the needs of this project.

7. PAST PERFORMANCE (10 points)

HEI is proud of our past performance and service to previous, present, and continuing clientele, and none of HEI’s past project work have been deemed to be at fault from design inadequacies, time delays and/or cost overruns. Our reputation in the field is excellent, and we enjoy a high rate of repeat business.

HEI recognizes that quality, accuracy, and timely work in both the design and construction phases, are the keys to a successful project. This is our commitment to the success of the projects you assign us.

PAST AND CURRENT PROFESSIONAL ACCOMPLISHMENTS

HEI has been licensed to do engineering in Louisiana for more than 30 years and has belonged or belongs to various professional organizations such as the ACEC (American Council of Engineering Companies), LES (Louisiana Engineering Society), ASCE (American Society of Civil Engineers), APWA (American Public Works Association), The Jefferson Parish Chamber of Commerce, Ascension Parish Chamber of Commerce, Better Business Bureau, and Society of American Military Engineers.

Members of the firm have held high office in professional organizations such as:

- President of Louisiana Water Environment Association - (Rolland Mura, P.E., B.C.E.E.)
- Director, New Orleans Branch of ASCE - (Rolland Mura, P.E., B.C.E.E.)
- Board Certified Environmental Engineer, American Academy of Environmental Engineers - (Rolland Mura, P.E. B.C.E.E.)
- Arthur Sidney Bedelle Award, Water Pollution Control Federation - (Rolland Mura, P.E., B.C.E.E.)

STATEMENT OF MAXIMUM FEE

The maximum professional services fees for any specific project arising out of this contract, including fees for preliminary design, bid, construction, and record drawing phases of the work, but exclusive of supplemental services, will be based on the ASCE professional services fee curve and will be determined on a project-by-project basis when such project scope and construction cost opinions become available.

Project Approach

HEI provides the engineering judgment and depth of experience, in addition to the latest computer technology to provide expertise during the project development stage. We realize that this initial phase of project development has a significant impact on the project delivery system. Successful completion of this phase can:

- ❖ Streamline initiation of design and completion of project construction.
- ❖ Allow better allocation of limited funding by providing project construction costs which are more accurate, and are less subject to change.
- ❖ Provide projects which, when completed, provide greater benefit to the public, both in safety, capacity, and economic development.

With this in mind, we have implemented a stringent Project Approach program, listed below:

<ul style="list-style-type: none"> • <u>Project Scope</u> 	<p>The first action taken by HEI’s Project Manager upon award of project is to develop the scope of the project. This scope will include a detailed listing of project tasks to be accomplished, the logical order to accomplish these tasks, and a listing of project deliverables. This scope is typically submitted, or at a minimum discussed, with the project owner to verify that HEI management and the owner see the project, the required tasks, and the final products the same way.</p>
<ul style="list-style-type: none"> • <u>Project Schedule</u> 	<p>The second action taken by HEI’s Project Manager is to develop a project schedule. Each task listed in the scope is given a start date, an estimated duration, and an estimated finish date. Once again this is forwarded to the owner’s representative for approval. The initial schedule is set to the owner’s requirements.</p>
<ul style="list-style-type: none"> • <u>Project Budget</u> 	<p>The Project Manager, based upon the project scope and project schedule, develops two budgets: one budget for the resources required to produce the finished project on schedule, and the second, in most cases, is a preliminary estimate of probable cost of construction. The first budget is submitted and usually used as the basis of a fee negotiation. Once completed, the project budget and schedule are the Project Manager’s guide to bring a quality project in on time. The second estimate, the probable cost of construction, is also a guide agreed to by the owner of the project design. It is referred to, updated, and reviewed at major milestones as the project progresses to completion.</p>

<ul style="list-style-type: none"> • <u>Quality Control/Quality Assurance</u> 	<p>QC/QA comprises an integral part of our design and project management process. Our QC/QA process is summarized as follows:</p>
<ul style="list-style-type: none"> • <u>General</u> 	<p>Ensuring a quality product is a primary goal of the firm. QC/QA is required for public safety as well as client satisfaction. The Manager of the firm QC/QA program is the president of the firm; subcontractors are included in the QC/QA program. All QC/QA plans shall include an independent check, a peer review, supervisory executive review, and a review by either the Owner or the Firm President.</p>
<ul style="list-style-type: none"> • <u>Check</u> 	<p>All computations, calculations, and drawings shall be checked by a competent qualified member of the team other than the originator and so marked.</p>
<ul style="list-style-type: none"> • <u>Peer Review</u> 	<p>All products shall be reviewed at the working level by an uninvolved, qualified team member. The results of the review shall be resolved before going to the Executive Review. A record of the checks and peer review shall accompany the product to the executive review.</p>
<ul style="list-style-type: none"> • <u>Executive Review</u> 	<p>The Project Manager shall ensure that the checks and reviews are complete, and resolve any unresolved issues from the review process. Cost estimates will be checked to ensure proper order of magnitude, and the project will then advance to the Owner or Firm President.</p>
<ul style="list-style-type: none"> • <u>Owner/President Review</u> 	<p>The Owner/President shall ensure that the checks and reviews are complete, resolve any outstanding issues, review the product, and determine if any changes are required in the QC/QA procedures.</p>

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:



Print Name: Jared B. Monceaux, P.E.

Title: President

Date: June 21, 2024



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

Mr. Jared Blayne Monceaux

License/Certificate Type - Number Expiration Date
PE.0032202 **03/31/2026**

Status: **Active**

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

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



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

Mr. Rolland Anthony Mura

License/Certificate Type - Number Expiration Date
PE.0014997 **03/31/2026**

Status: **Active**

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

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 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mrs. Danielle Bordelon Connelly

License/Certificate Type - Number Expiration Date
PE.0036284 **09/30/2025**

Status: **Active**

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

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



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

Mr. Sundararaja Channakesavapura Rao

License/Certificate Type - Number Expiration Date
PE.0017005 **09/30/2025**

Status: **Retired**

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

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 Phone (225) 925-6291
 www.lapels.com

Mr. Raul H. Regis

License/Certificate Type - Number Expiration Date
PE.0034006 **09/30/2024**

Status: **Active**

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

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 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Tony R. Tramel

License/Certificate Type - Number Expiration Date
PE.0019268 **09/30/2024**

Status: **Active**

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

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 Phone (225) 925-6291
 www.lapels.com

Mr. Emmett J. Mayer Jr.

License/Certificate Type - Number Expiration Date
PE.0012757 **03/31/2025**

Status: **Active**

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

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 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Connor Guidry

License/Certificate Type - Number Expiration Date
EI.0033801 **03/31/2025**

Status: **Active**

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

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 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Ms. Madeline M. Bourgeois

License/Certificate Type - Number Expiration Date
EI.0034782 **09/30/2025**

Status: **Active**

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

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(LAPELS)
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Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Jordan Edward LeBas

License/Certificate Type - Number Expiration Date
EI.0035548 03/31/2024

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Oscar James Boudreaux Jr.

License/Certificate Type - Number Expiration Date
PE.0018859 03/31/2025

Status: **Retired**

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

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

4/17/24, 10:33 AM Print Lookup Details

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: **Public Address:**
 Hartman Engineering, Inc. B.K. Sneed, C.E.O.
 527 West Esplanade Avenue, Suite 300
 Kenner, Louisiana 70065

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001344	Active	09/25/1986	03/31/2026	Mr. Jared Blayne Monceaux # PE.0032202



City of Gonzales

120 SOUTH IRMA BOULEVARD • GONZALES, LOUISIANA 70737 • PHONE (225) 647-2841 • FAX (225) 647-9557

BARNEY D. ARCENEUX
MAYOR/ADMINISTRATOR

DAVID J. GUITREAU-Division A
COUNCILMAN
DRAINAGE COMMISSIONER

KIRK J. BOUDREAU-Division B
COUNCILMAN
MAYOR PRO-TEMPORE
TREASURER
STREETS COMMISSIONER
AEDC LIAISON

HAROLD L. STEWART-Division C
COUNCILMAN
FIRE-DEPARTMENT COMMISSIONER
SANITATION COMMISSIONER

TYLER J. TURNER-Division D
COUNCILMAN
ASSISTANT TREASURER
UTILITIES COMMISSIONER

NEAL M. BOURQUE-Division E
COUNCILMAN
RECREATION COMMISSIONER
TOURIST COMMISSIONER

SHERMAN D. JACKSON
CHIEF OF POLICE

TRACEY N. NORMAND
FIRE CHIEF

CLAY A. STAFFORD
CITY CLERK
FINANCE DIRECTOR

ERIN LANOUX
CITY ATTORNEY

May 31, 2017

Mr. Jared Monceaux P.E., President
Hartman Engineering, Inc.
16563 Airline Highway, Suite A
Prairieville, LA 70769

Subject: City of Gonzales, Ascension Parish
LA 30: Turn Lanes @ S. Purpera & S. Hodgeson
LADOTD S.P.N. H.011490

Dear Mr. Monceaux:

I am writing to acknowledge and commend you for the excellent performance of Hartman Engineering, Inc. on the subject project and the resultant improvements to the intersection of LA 30 and Purpera in the City of Gonzales. Your firm's planning, design, and engineering services will ultimately lead to improved traffic safety and increased efficiency thru the intersection. Hartman Engineering has been responsive and adaptive to the needs of the City and its citizens in addressing the growing and high profile traffic conditions in Gonzales.

HEI and its key staff have provided excellent services for this transportation project and have fulfilled all task responsibilities in a quality, timely, and professional manner. The commitment of your design team and staff was integral to the success of the project and keeping the improvements on schedule and within budget.

The City of Gonzales is honored to have your firm as a valued member of our team. I would whole-heartedly recommend Hartman Engineering for consideration for future transportation projects.

Sincerely,

Jackie Baumann, P.E.
City Engineer
City of Gonzales, Louisiana

CC: Mayor Barney Arceneaux



DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

REPLY TO
ATTENTION OF

February 10, 2012

Engineering Division
Control Branch

Mr. B. K. Sneed, CEO
Hartman Engineering, Inc.
527 West Esplanade Avenue, Suite 300
Kenner, LA 70065-2568

Dear Mr. Sneed:

The US Army Corps of Engineers would like to take this time to extend both our gratitude and appreciation to your firm for its contribution towards design and construction of the Greater New Orleans Hurricane and Storm Damage Risk Reduction System (HSDRRS).

On August 29, 2005, Hurricane Katrina struck South Louisiana resulting in unprecedented devastation. Since that tragic day, the US Army Corps of Engineers and our A-E partners have worked expeditiously to design and construct the HSDRRS.

Your firm's responsibility for one or more actions affiliated with design, planning, modeling, engineering during construction, environmental studies or construction management was instrumental in completing expedited design and construction of the HSDRRS.

The commitment of your firm's leadership and design team was integral to our success in delivering a world class system with functional capability for the 2011 Hurricane Season. Your dedication to quality and delivery has been evident resulting in improved public safety and risk reduction for the greater New Orleans area.

The New Orleans District is truly honored to have your firm as a valued member of our team. Please accept my sincere thanks and the enclosed certificate expressing our appreciation.

ESSAYONS!

Sincerely,

A handwritten signature in black ink, appearing to read "Walter Baummy Jr.", written in a cursive style.

WALTER O. BAUMMY JR., P.E.
Chief, Engineering Division

Enclosure



USACE - New Orleans District
Certificate of Appreciation

is presented to

Hartman Engineering, Inc.

For exceptional achievement in support of the Mississippi Valley Division's New Orleans District and the execution of the Hurricane and Storm Damage Risk Reduction System (HSDRRS) mission. The Hartman Engineering, Inc. contractors' professionalism, competence, and initiative were instrumental to the successful execution in surveying of multiple sites critical to the completion of both design and the construction of the HSDRRS project.

Hartman Engineering's outstanding achievement is in keeping with the finest traditions of public service and reflects great credit upon the Hartman Engineering, Inc. team, the U.S. Army Corps of Engineers, and the United States Army.

06 February 2012



**US Army Corps
of Engineers**®
New Orleans District

Edward R. Fleming
Colonel, US Army
Commander, New Orleans District
US Army Corps of Engineers



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

August 4, 2008

Hartman Engineering, Inc.
527 West Esplanade Avenue, Suite 300
Kenner, LA 70065

Subject: Environmental Justice Support for Environmental Compliance for New Orleans Area Hurricane Protection System; St. Charles, Jefferson, Orleans, St. Bernard and Plaquemines Parishes (COE No. W912P8-07-D-0014, Task Order 5)

Gentlemen:

I would like to acknowledge Hartman Engineering, Inc.'s excellent performance on all facets of their ongoing environmental justice support to the Corps' New Orleans area hurricane protection system projects. They have been responsive and adaptive to the various changing conditions and demands of the project and public sensitivity in post-Hurricane Katrina New Orleans. HEI's products and professionalism have had a positive impact on the Corps' efforts to engage the public during this time of rebuilding.

The high profile and complex nature of this project cannot be overemphasized. HEI has done an excellent job in fulfilling the task responsibilities with care towards quality, timeliness, professionalism and public attitudes. Negotiating the myriad interactions between a multitude of public, private and community organizations was handled quite professionally by HEI. Their level of commitment to the project is commendable and I would whole-heartedly recommend HEI be considered for planning projects in the future.

Sincerely,

A handwritten signature in cursive script that reads "Joan M. Exnicios".

Joan M. Exnicios
Chief, Natural and Cultural
Resources Analysis Section



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Hartman Engineering, Inc.

is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative.

This certification is valid from 6/13/2024 to 6/13/2025 .

Certification No. 13205

A handwritten signature in black ink that reads "Stephanie R. Hartman". The signature is written in a cursive style and is positioned above a horizontal line.

**Stephanie Hartman,
Director, Entrepreneurial Services**



Division of Small and Emerging Business Development
SEBD CERTIFICATION

Hartman Engineering, Inc.

is hereby certified as a Small and Emerging Business Enterprise.

This certification is valid beginning 6/20/2016 and supersedes any registration or listing previously issued. At any time there is a change in ownership or control of the firm, notification must be made immediately to the Division of Small and Emerging Business Development.

Issued at Baton Rouge, Louisiana 6/20/2016

This certification expires on: 6/20/2026

Certification No. 13205

A handwritten signature in black ink that reads "John W. Matthews, Jr." with a stylized flourish at the end.

John W. Matthews, Jr.,
Executive Director, Entrepreneurial Services