

# **Hartman Engineering, Inc.**

*Consulting Engineers*

March 31, 2022

To:



**Subject: Provide Routine Engineering Services for DRAINAGE PROJECTS  
in Jefferson Parish for a two-year period.  
Resolution No. 138811  
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 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



**Jefferson Parish  
TEC Professional Services Questionnaire  
Resolution No. 138811**



**Provide Routine Engineering Services for  
DRAINAGE PROJECTS  
In Jefferson Parish for a Two-Year Period  
March 31, 2022**

**TEC Professional Services Questionnaire**

**A. Project Name and Advertisement Resolution Number:**

**Provide routine engineering services for DRAINAGE PROJECTS in Jefferson Parish for a two-year period.**

**Resolution No. 138811**

**B. Firm Name & Address:**



**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  
 225-313-4617 • 225-313-6127 fax

**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  
 225-313-4617 • 225-313-6127 fax

**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	1	Environmental Engineers	1	Designer
	Professional Land Surveyors	1	CAD Draftsman	<b>16</b>	<b>TOTAL</b>
	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.		
2.		
3.		

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

16

**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:**

15 (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.

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### **PROFESSIONAL IN CHARGE OF PROJECT:**

#### **Name & Title:**

**Jared B. Monceaux, P.E.**  
President

**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 was 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 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)

**Lower Lafitte – Orange, Maise & 2<sup>nd</sup> Street Drainage Improvements, Lafitte Area Independent Levee District Drainage (A/E Project No. 20-2014F), Lafitte Parish, LA.:** Project consists of designing drainage improvements in the Lower Lafitte area. Design was done for a 10-year storm event in accordance with Jefferson Parish Standards, and the drainage was tied into the existing drainage system. Construction Documents consisting of Drawings and Specifications along with a Probable Construction Cost were prepared. (HEI Project No. 11-118-04)

**Midway Drive Drainage Improvements, Jefferson Hwy. to Charlotte Dr. (DPW No. 2020-005-DR), Jefferson Parish, LA.:** Providing professional engineering services for Design and Construction Administration. The project consists of drainage improvements along Midway Drive between Jefferson Highway and Charlotte Drive, including installation of 42-inch equivalent arch pipe, catch basins, and minor parallel collection drainage. Other work includes partial roadway removal and replacement, cold plane and overlay, sidewalk construction, and minor water and sewer modifications due to drainage conflicts. (HEI Project No. 11-014-99)

**Florence Street Drainage Improvements, Paillet Ave. to Brown Ave. Canal (PWP No. 2020-004-DR), Jefferson Parish, LA.:** HEI is providing professional engineering services for Design and Construction Administration. This project includes the installation of approximately 300 ft. of 54" RCP, and 400 ft. of 60" RCP along Florence Street between Paillet Avenue and the Brown Avenue Canal, including catch basins, manholes, outfall, street replacement, mill, and overlay of roadway, relocations of utilities that interfere with the construction, and other incidentals. (HEI Project No. 11-014-98)

**Canal No. 7 Drainage Improvements, P.W. No. 2006-022-DR, Jefferson Parish, LA.** Preparation of plans and specifications for the intersection at Joe Yenni Blvd. and Chateau Blvd. as per Jefferson Parish and LADOTD standards. Structural design/detail of cast-in-place Reinforced Concrete Box Culvert with CON SPAN alternative. Design performed included hydraulic analysis (2,000 cfs), vertical and horizontal alignment, and relocation of water, sewer, and gas mains. Provided engineering services during bid and construction phases of project. (HEI Project No. 11-014-63)

**South Claiborne Avenue Canal II, Leonidas to Lowerline, New Orleans, LA. Owner: Sewerage & Water Board of New Orleans (2012).** 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)

**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

**Sena Drive Subsurface Drainage Improvements P.W. Project No. 2009-040-DR, Jefferson Parish, LA.:** Project engineer for the Design of a drainage project including the replacement of 1,800 l.f. of storm drainpipe (48"-60" gravity), 1,800 l.f. of 8" sanitary sewer and 1,800 l.f. of 8" water main. The street will be reconstructed as part of this project. HEI Project No. 13-014-78

**Kenner Drainage Master Plan, City of Kenner, LA.:** Project involved field verification of existing survey data on drainage network followed by appropriate modifications to maps, drawings and databases. 50,000+ drain inlets and corresponding number of drainage conduits were included in the modeled network. UNET, SWMM and PCSWMM software packages were utilized to create and run hydraulic models of drainage patterns within the City of Kenner. The results were compared with known occurrences of flooding to verify model accuracy and for calibration purposes. The identified problems were prioritized by flooding severity (flooding duration and depth), and underwent alternatives evaluation modeling. The Master Plan involved preparing comprehensive reports with all findings of the modeling exercises along with recommended drainage improvement solutions and opinions of construction costs. The Master Plan drainage improvement recommendations were presented as phased improvement approach to enable long term planning by the City based on funding availability. HEI Project No. 11-011-73

**SPN 576-26-0028, Avenue D Drainage Improvements, Jefferson Parish, LA Statewide Flood Control:**

Design Construction Administration and Resident Inspection Services for a drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:

Phase I, PWP No. 2008-043-DR., SPN. 576-26-0028(334). Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (Construction Complete)

Phase IIA, PWP No. 2010-003-DR., SPN. 576-26-0028(335). Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6th Street. (Construction Complete)

Phase III, PWP No. 2012-006-DR., SPN. 576-26-0028(336). Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6th Street and 8th Street. (Construction on-going)

Phase IV, PWP No. 2014-026-DR., SPN. 576-26-0028(337). Installation of 48" drain line along Allo Street and Avenue C between 4th Street and 6th Street. (Design on-going)

Phase V, PWP No. XXXX-XXX-DR., SPN. 576-26-0028(338). Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4th Street and 6th Street. (Future Phase)

Phase VI, PWP No. XXXX-XXX-DR., SPN. 576-26-0028(339). Installation of 72" RCP on 7th Street between Avenue B and Avenue C. (Future Phase). HEI No. 11-014-72, 12-014-76

**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

**Drainage improvements- SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III, Kenner, LA. (statewide flood control):**

**TASK I I PHASE I-**(City No. 2012-001-DR, SPN H.010107). First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 lf), pavement restoration, conflict structures along Galan & Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall. (Construction Complete)

**TASK II I PHASE II-**(City No. 2014-002B-RB, SPN H.010107). Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

**TASK III I PHASE III-**(City No. 2012-001-DR, SPN H.010107). Third of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete) HEI Project No. 11-011-81

**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

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. HEI Project No. 13-014-77

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### PROFESSIONAL IN CHARGE OF PROJECT:

#### Name & Title:

**Jared B. Monceaux, P.E.**  
President

**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

**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

**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

**PW 2011-040-DR, 17th St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84” diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey’s By-pass; and modified transition structures that combines flows from Hoey’s Bypass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities.

HEI Project No. 11-014-84

**Clearview Drainage Pump Station (Phase 4), Jefferson Parish, LA.** Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required.

HEI Project No. 11-104-21

**DPW Project No. 97-046A-DR(SELA), Soniat Canal Improvements, Jefferson Parish, LA.** Federally funded project under the Southeast Louisiana Urban Flood Control (SELA) program that involves improving drainage along a major north-south running drainage canal via hydraulic studies, DDRs, design, geotechnical investigations, preparation of plans and specifications, construction management and resident inspection. This project will increase the capacity of Soniat Canal from Canal No. 3 to West Metairie Avenue in Metairie, LA from 3,000 cfs to 5,200 cfs. This involved designs for U-shaped concrete flumes, utility relocations, and sheet piling transitions in seven separate bid packages: 1. Canal No. 3 to Veterans Memorial Boulevard – 750’ in length, lined with concrete flume; 2. Veterans Memorial Boulevard vehicular bridge replacement – 300’ in length with three box culverts (each 18’H x 36’W); 3. Veterans Memorial Boulevard to West Napoleon Boulevard – 3,500’ total length, lined with concrete flume; 4. West Napoleon Avenue vehicular bridge replacement – 400’ in length; 5. West Napoleon Avenue to Lynette Drive – 1,100’ long; 6. Lynette Drive to Lester Street – approx. 2,900’ long; 7. Lester Street to West Metairie Avenue – approx. 450’ long with bridge replacement. The total construction cost is estimated to be \$155 M. All phases are constructed.

HEI Project No. 11-014-55 12-029-04

**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



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Jared Blayne Monceaux  
18465 Van Broussard  
Prairieville, Louisiana 70769

 <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Jared Blayne Monceaux</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0032202</b>	<b>03/31/2024</b>
<b>Status: Active</b>	
<p>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).</p> <p>L.A.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.</p>	



Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

**Disclaimer**

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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:**

15 (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.

**City of Kenner Master Drainage Plan, Kenner, LA.** Project involved field verification of existing survey data on drainage network followed by appropriate modifications to maps, drawings, and databases. 50,000+ drain inlets and corresponding number of drainage conduits were included in the modeled network. UNET, SWMM and PCSWMM software packages were utilized to create and run hydraulic models of drainage patterns within the City of Kenner. The results were compared with known occurrences of flooding to verify model accuracy and for calibration purposes. The identified problems were prioritized by flooding severity and underwent alternatives evaluation modeling. The Master Plan involved preparing comprehensive reports with all findings of the modeling exercises along with recommended drainage improvement solutions and opinions of construction costs. The Master Plan drainage improvement recommendations were presented as phased improvement approach to enable long term planning by the City based on funding availability. HEI Project No. 11-011-73

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### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

#### **Name & Title:**

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

**Lower Lafitte – Orange, Maise & 2<sup>nd</sup> Street Drainage Improvements, Lafitte Area Independent Levee District Drainage (A/E Project No. 20-2014F), Lafitte Parish, LA.:** Project consists of designing drainage improvements in the Lower Lafitte area. Design was done for a 10-year storm event in accordance with Jefferson Parish Standards, and the drainage was tied into the existing drainage system. Construction Documents consisting of Drawings and Specifications along with a Probable Construction Cost were prepared. (HEI Project No. 11-118-04)

**Midway Drive Drainage Improvements, Jefferson Hwy. to Charlotte Dr. (DPW No. 2020-005-DR), Jefferson Parish, LA.:** Providing professional engineering services for Design and Construction Administration. The project consists of drainage improvements along Midway Drive between Jefferson Highway and Charlotte Drive, including installation of 42-inch equivalent arch pipe, catch basins, and minor parallel collection drainage. Other work includes partial roadway removal and replacement, cold plane and overlay, sidewalk construction, and minor water and sewer modifications due to drainage conflicts. (HEI Project No. 11-014-99)

**Florence Street Drainage Improvements, Paillet Ave. to Brown Ave. Canal (PWP No. 2020-004-DR), Jefferson Parish, LA.:** HEI is providing professional engineering services for Design and Construction Administration. This project includes the installation of approximately 300 ft. of 54" RCP, and 400 ft. of 60" RCP along Florence Street between Paillet Avenue and the Brown Avenue Canal, including catch basins, manholes, outfall, street replacement, mill, and overlay of roadway, relocations of utilities that interfere with the construction, and other incidentals. (HEI Project No. 11-014-98)

**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)

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. (HEI Project No. 13-014-77)

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

#### Name & Title:

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

9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. HEI Project No. 13-014-77

**SPN 576-26-0028, H.003559, Avenue D Drainage Improvements, Jefferson Parish, LA.** Design of drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:

HEI Phase I, Public Works Project No. 2008-043-DR, S.P.N. 576-26-0028(334). Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE IV). (CONSTRUCTION COMPLETE)

HEI Phase II-A, Public Works Project No. 2010-003-DR, S.P.N. 576-26-0028(335). Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6th Street. (JP PHASE V). (CONSTRUCTION COMPLETE)

HEI Phase III, Public Works Project No. 2012-006-DR, S.P.N. 576-26-0028(336). Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6th Street and 8th Street. (JP PHASE VI). (CONSTRUCTION COMPLETE)

HEI Phase IV, Public Works Project No. 2014-026-DR, S.P.N. 576-26-0028(337). Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE VII). (ABOUT TO BEGIN CONSTRUCTION)

HEI Phase V, Public Works Project No. 2019-014-DR, S.P.N. 576-26-0028(338). Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4th Street and 6th Street. (JP PHASE VIII)

HEI Phase VI, Public Works Project No. XXXX-XX-DR, S.P.N. 576-26-0028(339). Installation of 72" RCP on 7th Street between Avenue B and Avenue C. (JP PHASE IX). (FUTURE PHASE)

HEI Project No. 11-014-72, 12-014-76, 76-80

**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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Senior Project Engineer

#### **SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III, Kenner, LA.**

**TASK I PHASE I (City No. 2012-001-DR, SPN H.010107).** First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 lf), pavement restoration, conflict structures along Galan & Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall. (Construction Complete)

**TASK II PHASE II (City No. 2014-002B-RB, SPN H.010107).** Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

**TASK III PHASE III (City No. 2012-001-DR, SPN H.010107).** Third of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete) HEI Project No. 11-011-81

**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

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

**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

**PW 2011-040-DR, 17th St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84” diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey’s By-pass; and modified transition structures that combines flows from Hoey’s By-pass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities. HEI Project No. 11-014-84

**Clearview Drainage Pump Station (Phase 4), Jefferson Parish, LA.** Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required. HEI Project No. 11-104-21

**SPN H.004747 F.A.P. No. STP-3609(518): LADOTD - Lake Forest Blvd. Widening (Eastover to I-510), New Orleans, LA: (2012 – On Going)** Road Design Engineer for the extension (approx. 650’) a new westbound section of this urban collector road, approximately 450 ft west of its interchange with I-510. Responsible for the geometric and hydraulic design. A Categorical Exclusion (CE) was required for this project. HEI Project No. 12-092-08

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

**SPN 742-26-0033 / H.007175, F.A.P. No. 6130 (010): LADOTD – Lapalco Blvd. Improvements Phase I – 900' West of Victory Dr. to Westwood Dr. Jefferson Parish, LA (2011 – On Going)** Roadway Engineer for the widening of this major arterial Urban Systems Project from 2 lanes to 3 lanes. Mr. Rao was responsible for geometrical and hydraulic design. The project is approximately 0.8 miles and includes installation of new curb and gutter sections, gab surface drainage, and pavement widening. HEI Project No. 11-014-53

**SPN H.011490, F.A.P. No. H.011490: LADOTD – LA 30: Left Turn Lane at S. Purpera Ave, Ascension Parish, LA: (2014 – Present)** Mr. Rao is the QA/QC engineer responsible for the review 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. Mr. Rao provides 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. HEI Project No. 12-031-07

#### **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)

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Senior Project Engineer



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 10/8/2021 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Sundararaja Channakesavapura Rao  
1618 Ridgeland Drive  
Baton Rouge, Louisiana 70810



**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
<b>PE.0017005</b>	<b>09/30/2023</b>

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).

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.



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**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:**

4 (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**

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**Raul H. Regis, P.E.**  
Project Engineer

#### **RELEVANT PROJECT EXPERIENCE FROM PREVIOUS FIRM:**

**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)

**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 the 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.

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Project Engineer

**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 the 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)

**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).

**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)

**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,

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Project Engineer

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).

**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)

**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) (Completed).

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT**

**Name & Title:**

**Raul H. Regis, P.E.**  
Project Engineer



**LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD**

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Raul H. Regis  
16851 Jefferson Highway,  
Baton Rouge, LA 70817

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

**Mr. Raul H. Regis**

<small>License/Certificate Type - Number</small>	<small>Expiration Date</small>
<b>PE.0034006</b>	<b>09/30/2022</b>

**Status: Active**

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**TEC Professional Services Questionnaire**

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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:**

17 (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:

- 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,
- Utility Designs for Water Distribution and Sanitary Sewer Collection Systems (gravity and force main via traditional and trenchless installation methods),
- Roadway and Bridge Design for local corridors and highways (geometric, traffic, and sequencing).

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### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

#### **Name & Title:**

**Danielle B. Connelly, P.E.**  
Project Engineer

**Lower Lafitte – Orange, Maise & 2<sup>nd</sup> Street Drainage Improvements, Lafitte Area Independent Levee District Drainage (A/E Project No. 20-2014F), Lafitte Parish, LA.:** Project consists of designing drainage improvements in the Lower Lafitte area. Design was done for a 10-year storm event in accordance with Jefferson Parish Standards, and the drainage was tied into the existing drainage system. Construction Documents consisting of Drawings and Specifications along with a Probable Construction Cost were prepared. (HEI Project No. 11-118-04)

**Florence Street Drainage Improvements, Paillet Ave. to Brown Ave. Canal (PWP No. 2020-004-DR), Jefferson Parish, LA.:** HEI is providing professional engineering services for Design and Construction Administration. This project includes the installation of approximately 300 ft. of 54" RCP, and 400 ft. of 60" RCP along Florence Street between Paillet Avenue and the Brown Avenue Canal, including catch basins, manholes, outfall, street replacement, mill, and overlay of roadway, relocations of utilities that interfere with the construction, and other incidentals. (HEI Project No. 11-014-98)

**Midway Drive Drainage Improvements, Jefferson Hwy. to Charlotte Dr. (DPW No. 2020-005-DR), Jefferson Parish, LA.:** Providing professional engineering services for Design and Construction Administration. The project consists of drainage improvements along Midway Drive between Jefferson Highway and Charlotte Drive, including installation of 42-inch equivalent arch pipe, catch basins, and minor parallel collection drainage. Other work includes partial roadway removal and replacement, cold plane and overlay, sidewalk construction, and minor water and sewer modifications due to drainage conflicts. (HEI Project No. 11-014-99)

**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)

**SPN 576-26-0028, H.003559, Avenue D Drainage Improvements, Jefferson Parish, LA.** Design of drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:

**HEI Phase I, Public Works Project No. 2008-043-DR, S.P.N. 576-26-0028(334).** Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE IV). (CONSTRUCTION COMPLETE)

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### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

#### **Name & Title:**

**Danielle B. Connelly, P.E.**  
Project Engineer

HEI Phase II-A, Public Works Project No. 2010-003-DR, S.P.N. 576-26-0028(335). Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6th Street. (JP PHASE V). (CONSTRUCTION COMPLETE)

HEI Phase III, Public Works Project No. 2012-006-DR, S.P.N. 576-26-0028(336). Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6th Street and 8th Street. (JP PHASE VI). (CONSTRUCTION COMPLETE)

HEI Phase IV, Public Works Project No. 2014-026-DR, S.P.N. 576-26-0028(337). Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE VII). (ABOUT TO BEGIN CONSTRUCTION)

HEI Phase V, Public Works Project No. 2019-014-DR, S.P.N. 576-26-0028(338). Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4th Street and 6th Street. (JP PHASE VIII)

HEI Phase VI, Public Works Project No. XXXX-XX-DR, S.P.N. 576-26-0028(339). Installation of 72" RCP on 7th Street between Avenue B and Avenue C. (JP PHASE IX). (FUTURE PHASE)

HEI Project No. 11-014-72, 12-014-76, 76-80

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. HEI Project No. 13-014-77

**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

**SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III, Kenner, LA.**

**TASK I PHASE I (City No. 2012-001-DR, SPN H.010107).** First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 lf), pavement restoration, conflict structures along Galan & Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall. (Construction Complete)

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**Name & Title:**

**Danielle B. Connelly, P.E.**  
Project Engineer

TASK II PHASE II (City No. 2014-002B-RB, SPN H.010107). Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

TASK III PHASE III (City No. 2012-001-DR, SPN H.010107). Third of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

HEI Project No. 11-011-81

*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

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### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

#### **Name & Title:**

**Danielle B. Connelly, P.E.**  
Project Engineer

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

**PW 2011-040-DR, 17th St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84" diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey's By-pass; and modified transition structures that combines flows from Hoey's By-pass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities.

HEI Project No. 11-014-84

**City of Kenner Master Drainage Plan, Kenner, LA.** Project involved field verification of existing survey data on drainage network followed by appropriate modifications to maps, drawings and databases. 50,000+ drain inlets and corresponding number of drainage conduits were included in the modeled network. UNET, SWMM and PCSWMM software packages were utilized to create and run hydraulic models of drainage patterns within the City of Kenner. The results were compared with known occurrences of flooding to verify model accuracy and for calibration purposes. The identified problems were prioritized by flooding severity and underwent alternatives evaluation modeling. The Master Plan involved preparing comprehensive reports with all findings of the modeling exercises along with recommended drainage improvement solutions and opinions of construction costs. The Master Plan drainage improvement recommendations were presented as phased improvement approach to enable long term planning by the City based on funding availability.

HEI Project No. 11-011-73

**Clearview Drainage Pump Station (Phase 4), Jefferson Parish, LA.** Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required.

HEI Project No. 11-104-21

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### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

#### **Name & Title:**

**Danielle B. Connelly, P.E.**  
Project Engineer

**DPW Project No. 97-046A-DR(SELA), Soniat Canal Improvements, Jefferson Parish, LA.** Federally funded project under the Southeast Louisiana Urban Flood Control (SELA) program that involves improving drainage along a major north-south running drainage canal via hydraulic studies, DDRs, design, geotechnical investigations, preparation of plans and specifications, construction management and resident inspection. This project will increase the capacity of Soniat Canal from Canal No. 3 to West Metairie Avenue in Metairie, LA from 3,000 cfs to 5,200 cfs. This involved designs for U-shaped concrete flumes, utility relocations, and sheet piling transitions in seven separate bid packages: 1. Canal No. 3 to Veterans Memorial Boulevard –750' in length, lined with concrete flume; 2. Veterans Memorial Boulevard vehicular bridge replacement – 300' in length with three box culverts (each 18'H x 36'W); 3. Veterans Memorial Boulevard to West Napoleon Boulevard – 3,500' total length, lined with concrete flume; 4. West Napoleon Avenue vehicular bridge replacement – 400' in length; 5. West Napoleon Avenue to Lynette Drive – 1,100' long; 6. Lynette Drive to Lester Street – approx. 2,900' long; 7. Lester Street to West Metairie Avenue – approx. 450' long with bridge replacement. The total construction cost is estimated to be \$155 M. All phases are constructed. HEI Project No. 11-014-55

**Evaluation of Canal Constrictions in District 4, Jefferson Parish, LA.** Conducted a thorough field summary and identified all significant constrictions in major canals in Council District 4, hydraulically modeled constrictions to identify excessive head loss constrictions and estimate the cost to alleviate those excessive constrictions. HEI Project No. 11-014-75

**South Claiborne Avenue Canal II, Leonidas to Lowerline, New Orleans, LA. Owner: Sewerage & Water Board of New Orleans (2012).** 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

**PW Project No. 2009-040-DR, Sena Drive Subsurface Drainage Improvements,(2011), Jefferson Parish, LA.** Design of drainage project including the replacement of 1,800 lf of storm drain pipe (48"- 60" gravity), 1,800 lf of 8" sanitary sewer and 1,800 lf of 8" water main. The street will be reconstructed as part of this project. HEI Project No. 13-014-78

**NOLA Motorsports Park, Laney Chouest (Owner), Jefferson Parish, LA.** Project engineer for design of a 450-acre auto racetrack complex, including a go-kart track, miscellaneous service buildings, condominiums and other race track related facilities. Project included an overall site drainage study; design of access roads and parking areas (115,000 sy), 8" water mains (22,315 lf), 8" sanitary sewer (12,345 lf), multiple pump stations with force mains (11,400 lf), various sized storm drainage facilities (15,150 lf); and an overall site grading plan. HEI Project No. 13-115-01

**North Natchez Drainage and Canal Street Improvements, Phase II, Natchez, MS.** Urban storm sewer system design for 200-acre drainage basin. Responsible for street improvements that require catch basin, sidewalk repair and asphalt overlay. HEI Project No. 21-019-12

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Danielle B. Connelly, P.E.**  
Project Engineer



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 10/8/2021 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mrs. Danielle Bordelon Connelly  
16563 Airline Highway, Suite A&B  
Prairieville, Louisiana 70769

**LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)**  
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
<b>PE.0036284</b>	<b>09/30/2023</b>

Status: **Active**

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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:**

**HEI** Hartman Engineering, Inc.  
Consulting Engineers

**Years' experience with this Firm:**

20 (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.

**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 was 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 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)

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

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

**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

**SPN 576-26-0028, H.003559, Avenue D Drainage Improvements, Jefferson Parish, LA.** Design of drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:

**HEI Phase I, Public Works Project No. 2008-043-DR, S.P.N. 576-26-0028(334).** Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE IV). (CONSTRUCTION COMPLETE)

**HEI Phase II-A, Public Works Project No. 2010-003-DR, S.P.N. 576-26-0028(335).** Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6th Street. (JP PHASE V). (CONSTRUCTION COMPLETE)

**HEI Phase III, Public Works Project No. 2012-006-DR, S.P.N. 576-26-0028(336).** Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6th Street and 8th Street. (JP PHASE VI). (CONSTRUCTION COMPLETE)

**HEI Phase IV, Public Works Project No. 2014-026-DR, S.P.N. 576-26-0028(337).** Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE VII). (ABOUT TO BEGIN CONSTRUCTION)

**HEI Phase V, Public Works Project No. 2019-014-DR, S.P.N. 576-26-0028(338).** Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4th Street and 6th Street. (JP PHASE VIII)

**HEI Phase VI, Public Works Project No. XXXX-XX-DR, S.P.N. 576-26-0028(339).** Installation of 72" RCP on 7th Street between Avenue B and Avenue C. (JP PHASE IX). (FUTURE PHASE) HEI Project No. 11-014-72, 12-014-76, 76-80

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. HEI Project No. 13-014-77

**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:**

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

**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

**SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III, Kenner, LA.**

**TASK I PHASE I (City No. 2012-001-DR, SPN H.010107).** First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 lf), pavement restoration, conflict structures along Galan & Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall. (Construction Complete)

**TASK II PHASE II (City No. 2014-002B-RB, SPN H.010107).** Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

**TASK III PHASE III (City No. 2012-001-DR, SPN H.010107).** Third of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete) HEI Project No. 11-011-81

**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

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

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

**PW 2011-040-DR, 17th St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84” diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey’s By-pass; and modified transition structures that combines flows from Hoey’s By-pass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities. HEI Project No. 11-014-84

**City of Kenner Master Drainage Plan, Kenner, LA.** Project involved field verification of existing survey data on drainage network followed by appropriate modifications to maps, drawings and databases. 50,000+ drain inlets and corresponding number of drainage conduits were included in the modeled network. UNET, SWMM and PCSWMM software packages were utilized to create and run hydraulic models of drainage patterns within the City of Kenner. The results were compared with known occurrences of flooding to verify model accuracy and for calibration purposes. The identified problems were prioritized by flooding severity and underwent alternatives evaluation modeling. The Master Plan involved preparing comprehensive reports with all findings of the modeling exercises along with recommended drainage improvement solutions and opinions of construction costs. The Master Plan drainage improvement recommendations were presented as phased improvement approach to enable long term planning by the City based on funding availability. HEI Project No. 11-011-73

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**Name & Title:**

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

**Clearview Drainage Pump Station (Phase 4), Jefferson Parish, LA.** Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required. HEI Project No. 11-104-21

**DPW Project No. 97-046A-DR(SELA), Soniat Canal Improvements, Jefferson Parish, LA.** Federally funded project under the Southeast Louisiana Urban Flood Control (SELA) program that involves improving drainage along a major north-south running drainage canal via hydraulic studies, DDRs, design, geotechnical investigations, preparation of plans and specifications, construction management and resident inspection. This project will increase the capacity of Soniat Canal from Canal No. 3 to West Metairie Avenue in Metairie, LA from 3,000 cfs to 5,200 cfs. This involved designs for U-shaped concrete flumes, utility relocations, and sheet piling transitions in seven separate bid packages: 1. Canal No. 3 to Veterans Memorial Boulevard – 750' in length, lined with concrete flume; 2. Veterans Memorial Boulevard vehicular bridge replacement – 300' in length with three box culverts (each 18'H x 36'W); 3. Veterans Memorial Boulevard to West Napoleon Boulevard – 3,500' total length, lined with concrete flume; 4. West Napoleon Avenue vehicular bridge replacement – 400' in length; 5. West Napoleon Avenue to Lynette Drive – 1,100' long; 6. Lynette Drive to Lester Street – approx. 2,900' long; 7. Lester Street to West Metairie Avenue – approx. 450' long with bridge replacement. The total construction cost is estimated to be \$155 M. All phases are constructed. HEI Project No. 11-014-55

**Hoey's Pump to the River Economic Study, Jefferson Parish, LA.** Conduct a preliminary analysis of the proposed Hoey's Pump to the River (PTR) Plan to check the economic validity of the plan. If the plan is found to be economically valid; i.e., Benefit-to-Cost-Ratio (BCR) is greater than unity, the proposed PTR plan will be included with the three authorized flood control features which will be considered during the preparation of a full report on the proposed Hood control improvements planned for the Hoey's Basin as required by Section 533(d) of the Water Resources Act of 1996 (P.L. 104-3030). The Preliminary Analysis will be prepared at the reconnaissance level using presently available data from previous studies of the Hoey's Basin, to the extent possible, and existing conceptual plans for the Hoey's PTR and will include: summarization of previous drainage studies, such as "Master Drainage Plan for Hoey's Basin; dated March, 2008; an XPSWMM model of Hoey's Basin, of recent vintage; a C.O.E. set of HEC models of Hoey's Basin and the East Bank Orleans Parish, updated in 2011. HEI Project No. 11-071-06

**PW Project No. 2009-009-DR, Elise Avenue/Camphor Street Drainage Improvements, Jefferson Parish, LA.** Design, operation, and maintenance plans for a 140 cfs pump station including motors, electrical components, conduit and wire,

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Senior Project Manager

generator, fuel tank and piping, switch gear, pumping controls and processes, pumps, discharge piping, pipe and conduit supports, valves, and overall hydraulic functions. HEI Project No. 11-104-22

**Periodic Levee Inspections – (i) St. Charles, Jefferson and Orleans Levee System; and (ii) West of Atchafalaya Basin and Simmesport Ring Levee Systems.** The St. Charles, Jefferson and Orleans Levee System inspection consisted of collecting available as-built or design information from the local sponsors and performing a design criteria review comparing the original design standards to the current USACE design standards. This project also included the visual inspection of approximately 28 miles of earthen levee and 7 miles of concrete floodwalls, the exercising 60 drainage valves and the exercising of 70 floodgate closure structures. An inspection report was written upon the completion of the field inspections documenting the results and recommendation for repairs of any deficiencies. The West of Atchafalaya Basin and Simmesport Ring Levee Systems project consisted of collecting available as-built or design information from the local sponsors and performing a design criteria review comparing the original design standards and information to the current USACE design standards. This project also included the visual inspection of approximately 80 miles of earthen levee and 1 drainage closure structure. An inspection report was written upon the completion of the field inspections documenting the results and recommendation for repairs of any deficiencies. HEI Project No. 11-108-09

**PW Project No. 2009-040-DR, Sena Drive Subsurface Drainage Improvements, (2011), Jefferson Parish, LA.** Design of drainage project including the replacement of 1,800 lf of storm drain pipe (48"- 60" gravity), 1,800 lf of 8" sanitary sewer and 1,800 lf of 8" water main. The street will be reconstructed as part of this project.

HEI Project No. 13-014-78

**Hazard Mitigation Grant Program (HMGP), Picayune, MS. Project**—Drainage Improvements in Alligator West Branch Basin, Monroe Branch Basin and Sycamore Branch Basin. ***Project details*** – A total of 350 ft of concrete pipes and 200 ft of box culverts were proposed at nine locations in two drainage basins. In all cases the drainage capacity were increased significantly to reduce area flooding. The flood mitigation projects were based on 10-year and 25-year design frequency storms. ***HEI tasks*** – Preparation and submittal of the FEMA/MEMA HMGP Drainage Project Grant Application using agency supplied electronic application software and models; preparation of the FEMA Benefit-Cost Analysis and FEMA environmental impact analysis for the proposed projects utilizing available City drainage studies and flood claim and flood loss data; access FEMA and MEMA flood mitigation web sites and databases on behalf of the City for grant application purposes; update and provide opinion of probable construction costs for proposed FEMA drainage projects; attend scheduled Picayune City Council meetings on an as needed basis; attend meetings with FEMA, MEMA, and the Picayune Public Works, Planning & Community Development departments on an as needed basis; attend Pearl River County Utility Authority meetings on an as needed basis; assist the City in interactions and communications with FEMA and MEMA, and other governmental agencies; coordinate City's grant application and submittal process with that of Pearl River County. HEI Project No. 21-019-12-20

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**Name & Title:**

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



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/23/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS)

has the following information on file:

Mr. Rolland Anthony Mura  
9421 Liberty Court  
River Ridge, Louisiana 701232542



**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LPELS)**

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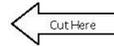
**Mr. Rolland Anthony Mura**

License/Certificate Type - Number	Expiration Date
<b>PE.0014997</b>	<b>03/31/2024</b>

**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).

L.A.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.



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**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:**

**HEI** Hartman Engineering, Inc.  
Consulting Engineers

**Years' experience with this Firm:**

8 (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

**RELATED PROJECTS:**

As City Transportation Engineer for the City of Lafayette, 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.

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.

He 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.

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.

The FHWA issued a “Record of Decision” after more than 8 years of engagement, and right of way acquisition and preliminary design is now occurring

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Traffic Engineer

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.

**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. 12-092-09

**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)

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**Traffic Engineer**



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Tony R. Tramel  
 1929 West Wisconsin Ave  
 Harlingen, TX 78550



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 Phone (225) 925-6291  
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**Mr. Tony R. Tramel**

License/Certificate Type - Number	Expiration Date
<b>PE.0019268</b>	<b>09/30/2022</b>

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).

LAR. 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.



Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

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**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:**

**David L. Atkins**  
Designer

**Project Assignment:**

Roadway Designer

**Name of Firm with which associated:**



**Years’ experience with this Firm:**

7 (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:**

***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).*

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

#### Name & Title:

**David L. Atkins**  
Designer

#### ***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).*

#### ***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).*

**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

**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

#### ***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).*

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

Sushil K. Jain, 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:**

12 (2010)

**Education: Degree(s)/Year/Specialization:**

M.S.C.E., 1966, Michigan State University, Michigan USA  
B.S.C.E., 1960, Punjab University, India  
B.A., 1956, Punjab University, India

**Active registration: Year first registered/discipline:**

Active Registration: Year First Registered: 1976  
Discipline: Civil State: Louisiana License No.: 15712

**Other experiences and qualifications relevant to the proposed Project:**

Mr. Jain is a Registered Professional Engineer with a Master's Degree in Civil Engineering. He has 45+ years of experience in Structural Analysis and Design in both government and private industry. His background includes: Structural analysis and design of bridges, drainage structures, multi storied buildings and structures using current IBC codes, foundation for major industrial project, power plants, waste water treatment plants, waterfront structures, refinery and petrochemical plants etc. Engineering design of highways, roads, streets and general civil projects. Inspection and analysis of structural stability of buildings and structures.

**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);

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

#### Name & Title:

**Sushil K. Jain, P.E.**  
Structural Engineer

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

**SPN 576-26-0028, H.003559, Avenue D Drainage Improvements, Jefferson Parish, LA.** Design of drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:

**HEI Phase I, Public Works Project No. 2008-043-DR, S.P.N. 576-26-0028(334).** Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE IV). (CONSTRUCTION COMPLETE)

**HEI Phase II-A, Public Works Project No. 2010-003-DR, S.P.N. 576-26-0028(335).** Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6th Street. (JP PHASE V). (CONSTRUCTION COMPLETE)

**HEI Phase III, Public Works Project No. 2012-006-DR, S.P.N. 576-26-0028(336).** Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6th Street and 8th Street. (JP PHASE VI). (CONSTRUCTION COMPLETE)

**HEI Phase IV, Public Works Project No. 2014-026-DR, S.P.N. 576-26-0028(337).** Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE VII). (ABOUT TO BEGIN CONSTRUCTION)

**HEI Phase V, Public Works Project No. 2019-014-DR, S.P.N. 576-26-0028(338).** Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4th Street and 6th Street. (JP PHASE VIII)

**HEI Phase VI, Public Works Project No. XXXX-XX-DR, S.P.N. 576-26-0028(339).** Installation of 72" RCP on 7th Street between Avenue B and Avenue C. (JP PHASE IX). (FUTURE PHASE)

HEI Project No. 11-014-72, 12-014-76, 76-80

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. HEI Project No. 13-014-77

**PW 2011-040-DR, 17th St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work

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### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

#### Name & Title:

**Sushil K. Jain, P.E.**  
Structural Engineer

is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84” diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey’s By-pass; and modified transition structures that combines flows from Hoey’s By-pass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities. HEI Project No. 11-014-84

**One Bridge Crossing Replacement (Roundtree Road), Ascension Parish, LA.** Demo existing timber bridge and replace with new concrete slab span bridge. HEI Project No. 12-031-03

**Reserve Wastewater Treatment Plant (“St. John the Baptist Parish Wastewater Retention Pond Conversion to Wastewater Oxidation Treatment Pond”).** Civil, Mechanical and Structural engineering design for the following components of the 3.0 MGD wastewater treatment plant and oxidation pond conversion. HEI responsibilities included:

- WWTP/Structural (EES #1108)
- Pump Station/Structural (EES #1507)
- Pump Station/Civil & Mechanical (EES #1508)
- Force Main/Civil & Mechanical (EES #1508)
- Permitting – WW Discharge, LDEQ
- Permitting – Levee Crossing & Coastal Zone, COE & LDNR

HEI Project No. 11-023-06

**SFL-C-003, 11-PS-MS-0026, City of Baton Rouge Sewer Program, (Multiple Pump Stations, Burbank Drive – Siegen Lane) Baton Rouge, LA.** 6 Pump Station replacements combined capacity increase of 0.5 to 12.5 million gallons per day (MGD) (150 – 9,000 GPM). Project includes replacement of one in-line booster pump station with a submersible pump station. The larger of the 6 required a Site Assessment, wetland delineation, wetland permitting and mitigation for a new 1-acre site. HEI Project No. 12-093-11

**Donaldsonville Park Pavilion, Ascension Parish, LA.** Prepared Preliminary and Final Construction drawings for the installation of a new 16,000 sf Pavilion including restroom facilities, vehicular access and parking lot.

HEI Project No. 12-031-01

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT**

**Name & Title:**

**Sushil K. Jain, P.E.**  
Structural Engineer

**Other projects which Mr. Jain worked on and has experience with in previous positions:**

- Gonzales Motor Vehicle Building, Gonzales, LA.
- Donaldsonville DPW Maintenance Building, Donaldsonville, LA
- Social Service Building Renovation, Gonzales, LA
- Banks Elementary School Piping/Insulation Replacement, Baton Rouge, LA.
- Glen Oaks Middle School, Piping/Insulation Replacement, Baton Rouge, LA.
- Shenandoah Elementary School Piping/Insulation Replacement, Baton Rouge, LA
- Park Improvements, Lake Providence, LA
- Solid Waste Building Renovation Plaquemine Parish, LA
- Library building renovation, Grand Isle, LA
- Baker Junior High School Roof Replacement, Baker, LA
- Oxidation Pond Renovation, Rayville, LA
- African American Museum, Monroe, LA
- Structural design LA OCS building in Amite, LA
- Renovation of housing units, Alexandria, LA
- Master plan Update at Baton Rouge Airport, Baton Rouge, LA
- Sidewalk along Hwy 75, City of St. Gabriel, LA
- Recreation Center, Reserve, LA
- Annunciation Street Condo, New Orleans, LA
- B.R. Airport- Security Area Modifications, Baton Rouge, LA
- Public Safety Complex Renderings, City of Baker, LA

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

**Bryan K. Joseph, E.I.**  
Project Engineer

**Project Assignment:**

Project Engineer

**Name of Firm with which associated:**

**HEI** Hartman Engineering, Inc.  
Consulting Engineers

**Years' experience with this Firm:**

20 (2002)

**Education: Degree(s)/Year/Specialization:**

B.S., 2001, Mechanical Engineering, Southern University and A&M College, Baton Rouge, LA

**Active registration: Year first registered/discipline:**

Year First Registered: 2003

Discipline: Engineer Intern State: Louisiana License No.: EI20836

**Other experiences and qualifications relevant to the proposed Project:****Completed "Introduction to ArcGIS I" ESRI certification (2008)**

Mr. Joseph's experience includes a variety of civil and environmental engineering projects, ranging from complex modeling of sanitary and storm-water system, design of collection system sanitary sewer lift-stations, various recovery/disaster efforts through federal (Corp of Engineers, FEMA, EPA, HUD) and state authorities (LDEQ, MDEQ). In addition, Mr. Joseph has performed environmental (Phase I, categorical exemption) for federal clearance. Highlights from his career include the projects noted below.

**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

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**Name & Title:**

**Bryan K. Joseph, E.I.**  
Project Engineer

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

**SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III, City of Kenner, LA.** TASK I / I PHASE I (City No. 2012-001-DR, SPN H.010107). First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 LF), pavement restoration, conflict structures along Galan & Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall.

TASK II / PHASE II (City No. 2014-002B-RB, SPN H.010107). Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project.

TASK III / PHASE III (City No. 2012-001-DR, SPN H.010107). Third of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. HEI Project No. 11-011-81

**PW 2011-040-DR, 17<sup>th</sup> St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84" diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey's By-pass; and modified transition structures that combines flows from Hoey's By-pass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities. HEI Project No. 11-014-84

**Kenner Drainage Master Plan, City of Kenner, LA.** Project involved field verification of existing survey data on drainage network followed by appropriate modifications to maps, drawings and databases. 50,000+ drain inlets and corresponding number of drainage conduits were included in the modeled network. UNET, SWMM and PCSWMM software packages were utilized to create and run hydraulic models of drainage patterns within the City of Kenner. The results were compared with known occurrences of flooding to verify model accuracy and for calibration

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Bryan K. Joseph, E.I.**  
Project Engineer

purposes. The identified problems were prioritized by flooding severity (flooding duration and depth), and underwent alternatives evaluation modeling. The Master Plan involved preparing comprehensive reports with all findings of the modeling exercises along with recommended drainage improvement solutions and opinions of construction costs. The Master Plan drainage improvement recommendations were presented as phased improvement approach to enable long term planning by the City based on funding availability. HEI Project No. 11-011-73

**Clearview Drainage Pump Station (Phase 4), Jefferson Parish, LA.** Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required. HEI Project No. 11-104-21

**DPW Project No. 97-046A-DR(SELA), Soniat Canal Improvements, Jefferson Parish, LA.** Federally funded project under the Southeast Louisiana Urban Flood Control (SELA) program that involves improving drainage along a major north-south running drainage canal via hydraulic studies, DDRs, design, geotechnical investigations, preparation of plans and specifications, construction management and resident inspection. This project will increase the capacity of Soniat Canal from Canal No. 3 to West Metairie Avenue in Metairie, LA from 3,000 cfs to 5,200 cfs. This involved designs for U-shaped concrete flumes, utility relocations, and sheet piling transitions in seven separate bid packages: 1. Canal No. 3 to Veterans Memorial Boulevard –750' in length, lined with concrete flume; 2. Veterans Memorial Boulevard vehicular bridge replacement – 300' in length with three box culverts (each 18'H x 36'W); 3. Veterans Memorial Boulevard to West Napoleon Boulevard – 3,500' total length, lined with concrete flume; 4. West Napoleon Avenue vehicular bridge replacement – 400' in length; 5. West Napoleon Avenue to Lynette Drive – 1,100' long; 6. Lynette Drive to Lester Street – approx. 2,900' long; 7. Lester Street to West Metairie Avenue – approx. 450' long with bridge replacement. The total construction cost is estimated to be \$155 M. All phases are constructed. HEI Project No. 11-014-55

**Hoey's Pump to the River Economic Study, Jefferson Parish, LA.** Conduct a preliminary analysis of the proposed Hoey's Pump to the River (PTR) Plan to check the economic validity of the plan. If the plan is found to be economically valid; i.e., Benefit-to-Cost-Ratio (BCR) is greater than unity, the proposed PTR plan will be included with the three authorized flood control features which will be considered during the preparation of a full report on the proposed Hood control improvements planned for the Hoey's Basin as required by Section 533(d) of the Water Resources Act of 1996 (P.L 104-3030). The Preliminary Analysis will be prepared at the reconnaissance level using presently available data from previous studies of the Hoey's Basin, to the extent possible, and existing conceptual

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#### **Name & Title:**

**Bryan K. Joseph, E.I.**  
Project Engineer

plans for the Hoey's PTR and will include: summarization of previous drainage studies, such as "Master Drainage Plan for Hoey's Basin; dated March, 2008; an XPSWMM model of Hoey's Basin, of recent vintage; a C.O.E. set of HEC models of Hoey's Basin and the East Bank Orleans Parish, updated in 2011. HEI Project No. 11-071-06

**Periodic Levee Inspections – (i) St. Charles, Jefferson and Orleans Levee System; and (ii) West of Atchafalaya Basin and Simmesport Ring Levee Systems.** The St. Charles, Jefferson and Orleans Levee System inspection consisted of collecting available as-built or design information from the local sponsors and performing a design criteria review comparing the original design standards to the current USACE design standards. This project also included the visual inspection of approximately 28 miles of earthen levee and 7 miles of concrete floodwalls, the exercising 60 drainage valves and the exercising of 70 floodgate closure structures. An inspection report was written upon the completion of the field inspections documenting the results and recommendation for repairs of any deficiencies. The West of Atchafalaya Basin and Simmesport Ring Levee Systems project consisted of collecting available as-built or design information from the local sponsors and performing a design criteria review comparing the original design standards and information to the current USACE design standards. This project also included the visual inspection of approximately 80 miles of earthen levee and 1 drainage closure structure. An inspection report was written upon the completion of the field inspections documenting the results and recommendation for repairs of any deficiencies. HEI Project No. 11-108-09

**Vegetative Ridge and Marsh Creation Project, Plaquemines Parish, LA.** Project planning, engineering and design, permitting, surveying, geotechnical analysis, preparation of specifications and construction bid packages, and/or other related services for the following project. The project goal is to assist Plaquemines Parish Government (PPG) in implementing the Parish coastal restoration plan with the development of sustainable, resilient vegetated ridge for the reach defined as Reach B-1, Empire to Fort Jackson, adjacent to levee reaches or on present or historical ridge footprint on the West Bank of the Parish. The ridge concept implements the multiple lines of defense approach to hurricane protection, which calls for the full utilization of habitat and mitigation measures in addition to traditional structural protection (levees, floodwalls, etc.), and this concept is routinely endorsed in various coastal restoration/hurricane protection plans such as the State's Comprehensive Master Plan for a Sustainable Coast. The scope is to assist the Parish in bringing the Reach B-1 Vegetated Ridge and Marsh Creation project to construction ready status. HEI Project No. 11-122-01

**PW Project No. 2009-040-DR, Sena Drive Subsurface Drainage Improvements, (2011), Jefferson Parish, LA.** Design of drainage project including the replacement of 1,800 lf of storm drain pipe (48"- 60" gravity), 1,800 lf of 8" sanitary sewer and 1,800 lf of 8" water main. The street will be reconstructed as part of this project. HEI Project No. 13-014-78

**Hazard Mitigation Grant Program (HMGP), Picayune, MS. Project** – Drainage Improvements in Alligator West Branch Basin, Monroe Branch Basin and Sycamore Branch Basin. **Project details** – A total of 350' of concrete pipes and 200' of box culverts were proposed at nine locations in two drainage basins. In all cases the drainage capacity were increased significantly to reduce area flooding. The flood mitigation projects were based on 10-year and 25-year design frequency storms. **HEI tasks** – Preparation and submittal of the FEMA/MEMA HMGP Drainage Project Grant Application using agency supplied electronic application software and models; preparation of the

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Bryan K. Joseph, E.I.**  
Project Engineer

FEMA Benefit-Cost Analysis and FEMA environmental impact analysis for the proposed projects utilizing available City drainage studies and flood claim and flood loss data; access FEMA and MEMA flood mitigation web sites and databases on behalf of the City for grant application purposes; update and provide opinion of probable construction costs for proposed FEMA drainage projects; attend scheduled Picayune City Council meetings on an as needed basis; attend meetings with FEMA, MEMA, and the Picayune Public Works, Planning & Community Development departments on an as needed basis; attend Pearl River County Utility Authority meetings on an as needed basis; assist the City in interactions and communications with FEMA and MEMA, and other governmental agencies; coordinate City’s grant application and submittal process with that of Pearl River County. HEI Project No. 21-019-12-20



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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Bryan K. Joseph, E.I.**  
Project Engineer

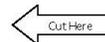


LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 9/14/2021 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Bryan Keith Joseph  
1328 West Esplanade Avenue, Apt. O  
Kenner, Louisiana 70065

 <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Bryan Keith Joseph</b>	
License/Certificate Type - Number	Expiration Date
<b>EI.0020836</b>	<b>09/30/2023</b>
Status: <b>Active</b>	
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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:**

**HEI** Hartman Engineering, Inc.  
Consulting Engineers

**Years' experience with this Firm:**

4 (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.

**Lower Lafitte – Orange, Maise & 2<sup>nd</sup> Street Drainage Improvements, Lafitte Area Independent Levee District Drainage (A/E Project No. 20-2014F), Lafitte Parish, LA.** Project consists of designing drainage improvements in the Lower Lafitte area. Design was done for a 10-year storm event in accordance with Jefferson Parish Standards, and the drainage was tied into the existing drainage system. Construction Documents consisting of Drawings and Specifications along with a Probable Construction Cost were prepared. (HEI Project No. 11-118-04)

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### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

#### **Name & Title:**

**Connor D. Guidry, E.I.**  
Project Engineer

**Midway Drive Drainage Improvements, Jefferson Hwy. to Charlotte Dr. (DPW No. 2020-005-DR), Jefferson Parish, LA.** Providing professional engineering services for Design and Construction Administration. The project consists of drainage improvements along Midway Drive between Jefferson Highway and Charlotte Drive, including installation of 42-inch equivalent arch pipe, catch basins, and minor parallel collection drainage. Other work includes partial roadway removal and replacement, cold plane and overlay, sidewalk construction, and minor water and sewer modifications due to drainage conflicts. (HEI Project No. 11-014-99)

**Florence Street Drainage Improvements, Paillet Ave. to Brown Ave. Canal (PWP No. 2020-004-DR), Jefferson Parish, LA.** HEI is providing professional engineering services for Design and Construction Administration. This project includes the installation of approximately 300 ft. of 54" RCP, and 400 ft. of 60" RCP along Florence Street between Paillet Avenue and the Brown Avenue Canal, including catch basins, manholes, outfall, street replacement, mill, and overlay of roadway, relocations of utilities that interfere with the construction, and other incidentals. (HEI Project No. 11-014-98)

**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

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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. 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

**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

**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

**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

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Connor D. Guidry, E.I.**  
Project Engineer



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Connor Guidry  
5563 North Snowden Ave  
Baton Rouge, LA 70817

 <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Connor Guidry</b>	
License/Certificate Type - Number	Expiration Date
<b>EI.0033801</b>	<b>03/31/2023</b>
<b>Status: Active</b>	

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**TEC Professional Services Questionnaire**

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**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:**

1 (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.

**SPN H. SPN H.014100.5, LADOTD - Task Order – LA 408: I-110 End of Concrete Section (Hooper Rd.), IDIO 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

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Madeline M. Bourgeois, E.I.**  
Project Engineer

**SPN H.0141112, LADOTD - Task Order – LA 16, IDIO 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, IDIO 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



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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Madeline M. Bourgeois, E.I.**  
**Project Engineer**



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/16/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS)

has the following information on file:

Ms. Madeline M. Bourgeois  
6209 Petersburg Drive  
Baton Rouge , Louisiana 70817

 <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Ms. Madeline M. Bourgeois</b>	
License/Certificate Type - Number	Expiration Date
<b>EI.0034782</b>	<b>09/30/2023</b>
<b>Status: Active</b>	
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**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:**

**HEI** Hartman Engineering, Inc.  
Consulting Engineers

**Years' experience with this Firm:**

25 (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.

**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

**SPN 576-26-0028, H.003559, Avenue D Drainage Improvements, Jefferson Parish, LA.** Design of drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of

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**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

**Stephen F. Urquhart**  
Civil/CAD Technician

approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:

HEI Phase I, Public Works Project No. 2008-043-DR, S.P.N. 576-26-0028(334). Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE IV). (CONSTRUCTION COMPLETE)

HEI Phase II-A, Public Works Project No. 2010-003-DR, S.P.N. 576-26-0028(335). Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6th Street. (JP PHASE V). (CONSTRUCTION COMPLETE)

HEI Phase III, Public Works Project No. 2012-006-DR, S.P.N. 576-26-0028(336). Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6th Street and 8th Street. (JP PHASE VI). (CONSTRUCTION COMPLETE)

HEI Phase IV, Public Works Project No. 2014-026-DR, S.P.N. 576-26-0028(337). Installation of 54", 72" and 78"x122" arch pipe along 8th Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6th Street and 8th Street. (JP PHASE VII). (ABOUT TO BEGIN CONSTRUCTION)

HEI Phase V, Public Works Project No. 2019-014-DR, S.P.N. 576-26-0028(338). Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4th Street and 6th Street. (JP PHASE VIII)

HEI Phase VI, Public Works Project No. XXXX-XX-DR, S.P.N. 576-26-0028(339). Installation of 72" RCP on 7th Street between Avenue B and Avenue C. (JP PHASE IX). (FUTURE PHASE)

HEI Project No. 11-014-72, 12-014-76, 76-80

**DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements, Jefferson Parish, LA.** Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments. The work included: Directionally drilled 2,500 LF of 30" DR11 and 36" DR11 HDPE lines with installation of accompanying required valves; Mississippi River levee crossings to a river outfall; Installation of standby generator w/transfer switch gear. HEI Project No. 13-014-77

**SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III, Kenner, LA.**

TASK I PHASE I (City No. 2012-001-DR, SPN H.010107). First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 lf), pavement restoration, conflict structures along Galan & Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall. (Construction Complete)

TASK II PHASE II (City No. 2014-002B-RB, SPN H.010107). Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

TASK III PHASE III (City No. 2012-001-DR, SPN H.010107). Third of 3 Phases designed to improve drainage for

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**Name & Title:**

**Stephen F. Urquhart**  
Civil/CAD Technician

University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. (Construction Complete)

HEI Project No. 11-011-81

**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

**PW 2011-040-DR, 17th St. Crossing at Airline Highway, (Monticello Canal at Airline Highway Drainage Improvements Council District 2), Jefferson Parish, LA.** Preparation of an Engineering Alternative Report (EAR) for the construction of drainage improvements to a portion of the Monticello Canal extending from approximately the north-side of Airline Highway (US 61) to the south-side of the New Orleans Public Belt Railroad (Amtrak). This work is located on the boundary of Jefferson Parish and Orleans Parish, Louisiana. The project consists of drainage improvements to the Monticello Canal to include a 3 – 84” diameter culvert crossing at Airline Highway and KCS Railroad to accommodate Hoey’s By-pass; and modified transition structures that combines flows from Hoey’s By-pass and Monticello Canal. The professional services required of the ENGINEER include conceptual engineering and design, preliminary drawing preparation, surveying and mapping the project site, incorporating utility relocation into the design documentation, determining ROW and permitting requirements, performing the geotechnical investigations required to obtain necessary design parameters, preparing preliminary quantity and cost estimates all combined into the EAR. Finally, the ENGINEER shall prepare a cost sharing agreement with all affected entities. HEI Project No. 11-014-84

**Clearview Drainage Pump Station (Phase 4), Jefferson Parish, LA.** Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required. HEI Project No. 11-104-21

**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

**DPW Project No. 97-046A-DR(SELA), Soniat Canal Improvements, Jefferson Parish, LA.** Federally funded project under the Southeast Louisiana Urban Flood Control (SELA) program that involves improving drainage along a major north-south running drainage canal via hydraulic studies, DDRs, design, geotechnical investigations, preparation of plans and specifications, construction management and resident inspection. This project will increase the capacity of Soniat Canal from Canal No. 3 to West Metairie Avenue in Metairie, LA from 3,000 cfs to 5,200 cfs. This involved designs for U-shaped concrete flumes, utility relocations, and sheet piling transitions in seven separate bid packages: 1. Canal No. 3 to Veterans Memorial Boulevard –750' in length, lined with concrete flume; 2. Veterans Memorial Boulevard vehicular bridge replacement – 300' in length with three box culverts (each 18'H x 36'W); 3. Veterans Memorial Boulevard to West Napoleon Boulevard – 3,500' total length, lined with concrete flume; 4. West Napoleon Avenue vehicular bridge replacement – 400' in length; 5. West Napoleon Avenue to Lynette Drive – 1,100' long; 6. Lynette Drive to Lester Street – approx. 2,900' long; 7. Lester Street to West Metairie Avenue – approx. 450' long with bridge replacement. The total construction cost is estimated to be \$155 M. All phases are constructed. HEI Project No. 11-014-55

**South Claiborne Avenue Canal II, Leonidas to Lowerline, New Orleans, LA. Owner: Sewerage & Water Board of New Orleans (2012).** 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

**PW Project No. 2009-040-DR, Sena Drive Subsurface Drainage Improvements (2011), Jefferson Parish, LA.** Design of drainage project including the replacement of 1,800 lf of storm drain pipe (48"- 60" gravity), 1,800 lf of 8" sanitary sewer and 1,800 lf of 8" water main. The street will be reconstructed as part of this project.

HEI Project No. 13-014-78

**NOLA Motorsports Park, Laney Chouest (Owner), Jefferson Parish, LA.** Project engineer for design of a 450-acre auto racetrack complex, including a go-kart track, miscellaneous service buildings, condominiums and other race track related facilities. Project included an overall site drainage study; design of access roads and parking areas (115,000 sy), 8" water mains (22,315 lf), 8" sanitary sewer (12,345 lf), multiple pump stations with force mains (11,400 lf), various sized storm drainage facilities (15,150 lf); and an overall site grading plan. HEI Project No. 13-115-01

**North Natchez Drainage and Canal Street Improvements, Phase II, Natchez, MS.** Urban storm sewer system design for 200-acre drainage basin. Responsible for street improvements that require catch basin, sidewalk repair and asphalt overlay. HEI Project No. 21-019-12

**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**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

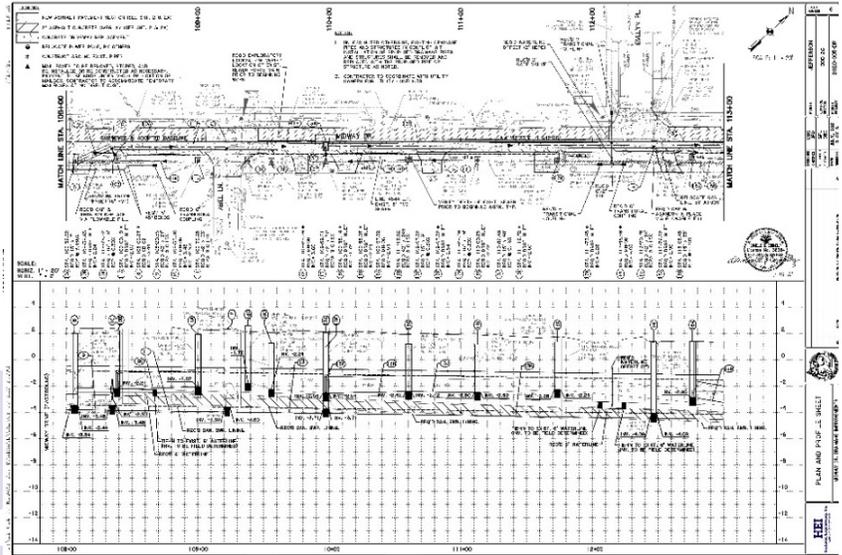
**Midway Drive Drainage Improvements,  
Jefferson Hwy. to Charlotte Dr.  
(DPW No. 2020-005-DR)**

**Jefferson Parish, LA**  
*(HEI Project No. 11-014-99)*

*Owner:*

**Jefferson Parish**  
Dept. of Capital Projects  
1221 Elmwood Park Blvd., Suite  
906, Jefferson, LA 70123

*Project Manager :*  
**Neil Schneider, P.E.**  
504-736-6833  
nshneider@jeffparish.net



HEI is providing professional engineering services for Design and Construction Administration. The project consists of drainage improvements along Midway Drive between Jefferson Highway and Charlotte Drive, including installation of 42-inch equivalent arch pipe, catch basins, and minor parallel collection drainage. Other work includes partial roadway removal and replacement, cold plane and overlay, sidewalk construction, and minor water and sewer modifications due to drainage conflicts.

**% of work Performed in LA: 100%**

**Firm's Responsibility: Prime**

**Key Staff on Project:**

- Jared B. Monceaux, P.E. (Project Manager & QA/QC)
- Danielle B. Connelly, P.E. (Project Engineer)
- Sundararaja C. Rao, P.E. (Hydraulic Engineer)
- Stephen F. Urquhart (CAD Designer)

**Completion Date (Actual or estimated):**

**Estimated Cost:**

**Entire Project:**

**Work for which Firm was Responsible:**

**Start Date:** 4/2019

\$228.07 (Fee)

\$228.07 (Fee)

**End Date:** 2022 (Est.)

**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**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:													
<p><b>Florence Street Drainage Improvements, Paillet Ave. to Brown Ave. Canal (PWP No. 2020-004-DR), Jefferson Parish, LA</b> <i>(HEI Project No. 11-014-98)</i></p> <p><i>Owner:</i> <b>Jefferson Parish</b> Dept. of Capital Projects 1221 Elmwood Park Blvd., Suite 906, Jefferson, LA 70123</p> <p><i>Project Manager:</i> <b>Neil Schneider, P.E.</b> 504-736-6833 nschneider@jeffparish.net</p> 	 <table border="1" data-bbox="1396 445 1502 1054"> <tr> <td>Client:</td> <td>Hartman Engineering, Inc.</td> </tr> <tr> <td>Project:</td> <td>Proposed Drainage Improvements</td> </tr> <tr> <td>Location:</td> <td>Harvey, Louisiana</td> </tr> <tr> <td>Project No.:</td> <td>4.8.2020</td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Scale:</td> <td>Not To Scale</td> </tr> </table> <p>HEI is providing professional engineering services for Design and Construction Administration. This project includes the installation of approximately 300 ft. of 54" RCP, and 400 ft. of 60" RCP along Florence Street between Paillet Avenue and the Brown Avenue Canal, including catch basins, manholes, outfall, street replacement, mill, and overlay of roadway, relocations of utilities that interfere with the construction, and other incidentals.</p> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility: Prime</b></p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Sundararaja C. Rao, P.E. (Hydraulic Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>		Client:	Hartman Engineering, Inc.	Project:	Proposed Drainage Improvements	Location:	Harvey, Louisiana	Project No.:	4.8.2020	Date:		Scale:	Not To Scale
Client:	Hartman Engineering, Inc.													
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Project No.:	4.8.2020													
Date:														
Scale:	Not To Scale													
<p><b>Completion Date (Actual or estimated):</b></p> <p><b>Start Date:</b> 4/2020</p> <p><b>End Date:</b> 2022 (Estimated)</p>	<p><b>Estimated Cost:</b></p> <table border="1" data-bbox="560 1669 1531 1848"> <thead> <tr> <th data-bbox="560 1669 1023 1732">Entire Project:</th> <th data-bbox="1023 1669 1531 1732">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 1732 1023 1848">\$152.73 (Fee)</td> <td data-bbox="1023 1732 1531 1848">\$152.73 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$152.73 (Fee)	\$152.73 (Fee)								
Entire Project:	Work for which Firm was Responsible:													
\$152.73 (Fee)	\$152.73 (Fee)													

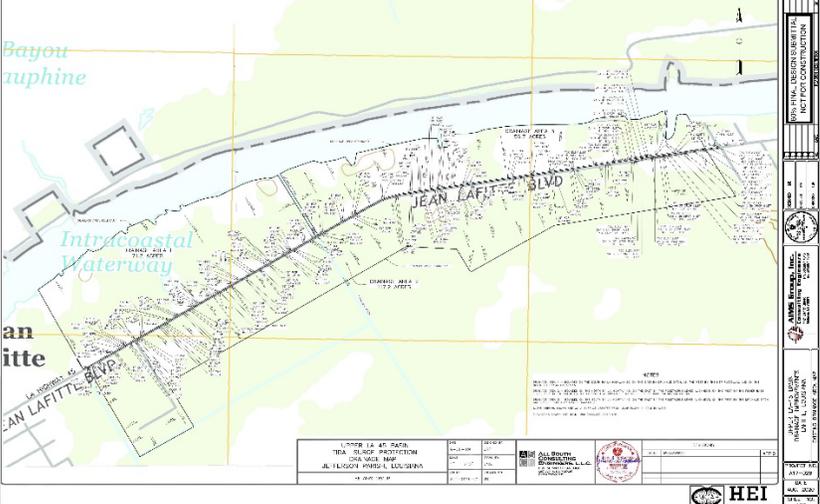
**TEC Professional Services Questionnaire**

**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.**

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Lower Lafitte – Orange, Maise &amp; 2<sup>nd</sup> Street Drainage Improvements, Lafitte Area Independent Levee District Drainage (A/E Project No. 20-2014F)</b></p> <p align="center"><b>Jefferson, Parish, LA</b> <small>(HEI Project No. 11-118-04)</small></p> <p align="center"><i>Owner:</i> <b>Lafitte Area Independent Levee District</b> 799 Jean Lafitte Boulevard (LA 45) Jean Lafitte, LA 70067</p> <p align="center"><i>Project Manager:</i> <b>Ann Theriot, P.E.</b> 504-885-9892 atheriot@meyer-e-L.com</p>	 <p>Project consists of designing drainage improvements in the Lower Lafitte area. Design was done for a 10-year storm event in accordance with Jefferson Parish Standards, and the drainage was tied into the existing drainage system. Construction Documents consisting of Drawings and Specifications along with a Probable Construction Cost were prepared.</p> <ol style="list-style-type: none"> <li>1. Orange Avenue (approximately 2,400') – Design drainage improvements along Orange Avenue from LA 45 to the existing Orange Street Pump Station.</li> <li>2. Kenal Road (approximately 2,000') – Design drainage improvements along Kenal Road to the proposed Kenal Road Pump Station.</li> <li>3. Maise Street and LA 45 (approximately 1,400') – Design drainage improvements along Maise Street from Perrin Street to LA 45 and along LA 45 from Maise Street to the Marrero Street Pump Station.</li> <li>4. 2nd Street and LA 45 (approximately 1,100')- Design drainage improvements along 2nd Street from Perrin Street to LA 45 and along LA 45 from 2nd Street to the Marrero Street Pump Station.</li> </ol> <p><b>% of work Performed in LA:</b> 100%</p> <p><b>Firm's Responsibility:</b> Prime</p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Rolland A. Mura, P.E. (Senior Project Engineer)</li> <li>• Connor D. Guidry, E.I. (Project Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<p><b>Start Date:</b> 3/10/2021 (NTP) <b>End Date:</b> 12/01/2021</p>	\$2,231,000 (Const. Est)	\$183,507 (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.**

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p style="text-align: center;"><b>Upper LA 45 Pump Station, Design Services for Upper LA 45 Evacuation Route Tidal Surge Protection, (A/E Project No. 20-2014F)</b></p> <p style="text-align: center;"><b>Jefferson, Parish, LA</b> (HEI Project No. 11-118-03)</p> <p style="text-align: center;"><i>Owner:</i> <b>Lafitte Area Independent Levee District</b> 799 Jean Lafitte Boulevard (LA 45) Jean Lafitte, LA 70067</p> <p style="text-align: center;"><i>Prime :</i> <b>AIMS Group, Inc.</b> 4421 Zenith Street Metairie, LA 70001</p> <p style="text-align: center;"><i>Project Manager :</i> <b>Lowell Pitre, P.E.</b> 504-887-7045 ljp@aimsgroupinc.com</p>		
	<p>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 was 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 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.</p> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility:</b> Sub – to AIMS Group, Inc.</p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Rolland A. Mura, P.E. (Senior Project Engineer)</li> <li>• Connor D. Guidry, E.I. (Project Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<p><b>Start Date:</b> 2019 <b>End Date:</b> 2021</p>	<p>\$10,301,800 (Const. Est.)</p>	<p>\$ 646,667</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. 5**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>																				
<p style="text-align: center;"><b>SPN 576-26-0028 H.003559 Avenue D Drainage Improvements,</b></p> <p style="text-align: center;"><b>Jefferson Parish, LA</b> <small>(HEI Project No. 11-014-72, 12-014-76, 76-80)</small></p> <p style="text-align: center;"><i>Owner:</i> <b>Jefferson Parish</b> Dept. of Capital Projects 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123</p> <p style="text-align: center;"><i>Project Manager :</i> <b>Neil Schneider, P.E.</b> 504-736-6833 nshneider@jeffparish.net</p> <p>% of work Performed in LA: 100%</p> <p>HEI: Prime</p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager)</li> <li>• Sundararaja C. Rao, P.E. (Lead Design Engineer)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Tony R. Tramel, P.E., PTOE (Traffic Engineer)</li> <li>• Stephen F. Urquhart (Drafting)</li> </ul>	<div style="text-align: center;">  </div> <p>Design of drainage project (funded in part by LADOTD Statewide Flood Control), in highly urbanized neighborhood, including the upgrade of approximately 20,000 lf of storm drain pipe (15" – 96") and relocating approximately 10,000 lf of (6" – 48") waterlines and 8" sanitary sewer. Entire road was reconstructed as part of the project. The Project is divided into six (6) phases generally described as follows:</p> <p><b><u>HEI Phase I, Public Works Project No. 2008-043-DR, S.P.N. 576-26-0028(334).</u></b> Installation of 54", 72" and 78"x122" arch pipe along 8<sup>th</sup> Street between Avenue C and Gaudet Drive, and 54" and 60" drain line along Allo Street between 6<sup>th</sup> Street and 8<sup>th</sup> Street. <b>(JP PHASE IV). (CONSTRUCTION COMPLETE)</b></p> <p><b><u>HEI Phase II-A, Public Works Project No. 2010-003-DR, S.P.N. 576-26-0028(335).</u></b> Installation of 54"x88", 72", 62"x102" and 2 – 10'x7' box culverts along Avenue D between the Westbank Expressway and 6<sup>th</sup> Street. <b>(JP PHASE V). (CONSTRUCTION COMPLETE)</b></p> <p><b><u>HEI Phase III, Public Works Project No. 2012-006-DR, S.P.N. 576-26-0028(336).</u></b> Installation of 54" and 60" drain line along Avenue A, 60" and 72" along Avenue C, and 48" and 54" along Gaudet Drive between 6<sup>th</sup> Street and 8<sup>th</sup> Street. <b>(JP PHASE VI). (CONSTRUCTION COMPLETE)</b></p> <p><b><u>HEI Phase IV, Public Works Project No. 2014-026-DR, S.P.N. 576-26-0028(337).</u></b> Installation of 48" drain line along Avenue C between 4<sup>th</sup> Street and 6<sup>th</sup> Street. <b>(JP PHASE VII). (CONSTRUCTION COMPLETE)</b></p> <p><b><u>HEI Phase V, Public Works Project No. 2019-014-DR, S.P.N. 576-26-0028(338).</u></b> Installation of 42" and 48" drain line along Gaudet Drive and 48" and 54" along Avenue A between 4<sup>th</sup> Street and 6<sup>th</sup> Street. <b>(JP PHASE VIII) (FUTURE PHASE)</b></p> <p><b><u>HEI Phase VI, Public Works Project No. XXXX-XX-DR, S.P.N. 576-26-0028(339).</u></b> Installation of 72" RCP on 7<sup>th</sup> Street between Avenue B and Avenue C. <b>(JP PHASE IX). (FUTURE PHASE)</b></p>																				
<p><b>Completion Date (Actual or estimated):</b></p>	<b>Estimated Cost:</b>																				
	<b>Entire Project:</b>		<b>Work for which Firm was Responsible:</b>																		
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Phase I</b> Aug 2011 (Actual)</td> <td style="width: 50%;"><b>Phase II-A</b> July 2014 (Actual)</td> </tr> <tr> <td><b>Phase III</b> Aug 2017 (Actual)</td> <td><b>Phase IV</b> 2019 (Estimated)</td> </tr> <tr> <td><b>Phase V</b> TBD</td> <td><b>Phase VI</b> TBD</td> </tr> </table>	<b>Phase I</b> Aug 2011 (Actual)	<b>Phase II-A</b> July 2014 (Actual)	<b>Phase III</b> Aug 2017 (Actual)	<b>Phase IV</b> 2019 (Estimated)	<b>Phase V</b> TBD	<b>Phase VI</b> TBD	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Phase I</b> \$2,702</td> <td style="width: 50%;"><b>Phase II-A</b> \$2,544</td> </tr> <tr> <td><b>Phase III</b> \$5,000</td> <td><b>Phase IV</b> \$3,000</td> </tr> <tr> <td><b>Phase V</b> TBD</td> <td><b>Phase VI</b> TBD</td> </tr> </table>	<b>Phase I</b> \$2,702	<b>Phase II-A</b> \$2,544	<b>Phase III</b> \$5,000	<b>Phase IV</b> \$3,000	<b>Phase V</b> TBD	<b>Phase VI</b> TBD	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Phase I</b> \$216</td> <td style="width: 50%;"><b>Phase II-A</b> \$220</td> </tr> <tr> <td><b>Phase III</b> \$260</td> <td><b>Phase IV</b> \$281</td> </tr> <tr> <td><b>Phase V</b> TBD</td> <td><b>Phase VI</b> TBD</td> </tr> </table>	<b>Phase I</b> \$216	<b>Phase II-A</b> \$220	<b>Phase III</b> \$260	<b>Phase IV</b> \$281	<b>Phase V</b> TBD	<b>Phase VI</b> TBD	
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**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**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p><b>DPW Project No. 2001-046F-DR(SELA), Harahan Pump to the River,</b></p> <p><b>Jefferson Parish, LA</b> <i>(HEI Project No. 11-012-09)</i></p> <p><i>Owner:</i> <b>Jefferson Parish Dept. of Drainage</b> 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123</p> <p><i>Prime Consultant:</i> <b>CDM-Smith</b> 1515 Poydras St., Ste. 1350 New Orleans, LA 70112</p> <p><i>Project Manager:</i> <b>Jessica Watts, P.E.</b> 504-799-1167 wattsjl@cdmsmith.com</p> 	 <p>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.</p> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility:</b> Subconsultant</p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager; QA/QC)</li> <li>• Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Sundararaja C. Rao, P.E. (Hydraulic Engineer)</li> <li>• Bryan K. Joseph, E.I. (Project / Construction Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>					
<p><b>Completion Date (Actual or estimated):</b></p> <p><b>Start Date:</b> 2005 <b>End Date:</b> 2018</p>	<p><b>Estimated Cost:</b></p> <table border="1"> <thead> <tr> <th data-bbox="602 1665 1065 1734">Entire Project:</th> <th data-bbox="1065 1665 1554 1734">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="602 1734 1065 1827">\$7.1M (Fee) \$106.8M (Construction)</td> <td data-bbox="1065 1734 1554 1827">\$802 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$7.1M (Fee) \$106.8M (Construction)	\$802 (Fee)
Entire Project:	Work for which Firm was Responsible:					
\$7.1M (Fee) \$106.8M (Construction)	\$802 (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. 7**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>DPW Project No. 2009-039-DR, Sauve Road Drainage Improvements,</b></p> <p><b>Jefferson Parish, LA</b> <small>(HEI Project No. 13-014-77)</small></p> <p><i>Owner:</i> <b>Jefferson Parish</b> Dept. of Capital Projects 1221 Elmwood Park Blvd., Suite 906 Jefferson, LA 70123</p> <p><i>Project Manager :</i> <b>Neil Schneider, P.E.</b> 504-736-6833 nshneider@jeffparish.net</p> 	<div style="display: flex; justify-content: space-around;">   </div> <p>Provide A/E services (design and construction administration) for subsurface drainage improvements to the Sauve Road area in River Ridge, LA on the east bank of Jefferson Parish. The work consisted of construction of a drainage pump station with two 9,000 gpm pumps, associated discharge piping, gravity drain installations, and street work and utility adjustments.</p> <p>The work included:</p> <ul style="list-style-type: none"> <li>• Directionally drilled 2,500 LF of 30"DR11 and 36"DR11 HDPE lines with installation of accompanying required valves.</li> <li>• Mississippi River levee crossings to a river outfall.</li> <li>• Installation of standby generator w/transfer switch gear.</li> </ul> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility: Prime</b></p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>• Sundararaja C. Rao, P.E. (Roadway/Hydraulic Engineer)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>	
<p><b>Completion Date (Actual or estimated):</b></p>	<p><b>Estimated Cost:</b></p>	
<p><b>Start Date:</b> 2010</p> <p><b>End Date:</b> 2014</p>	<p><b>Entire Project:</b></p> <p>\$5,000 (Construction)</p>	<p><b>Work for which Firm was Responsible:</b></p> <p>\$735 (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.**

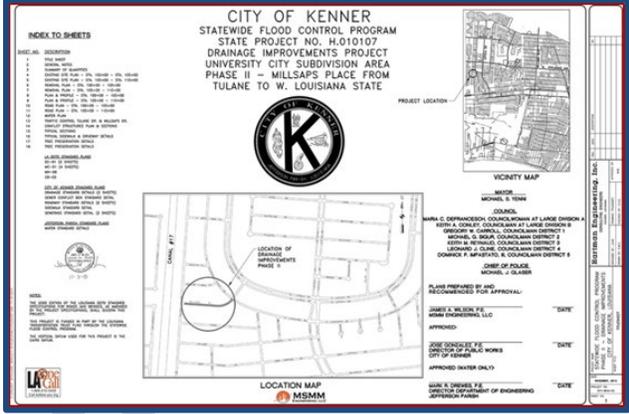
**PROJECT NO. 8**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Project No. 2015-029-DR, Bayou Segnette Drainage Pump Station No. 1,</b></p> <p><b>Jefferson Parish, LA</b> (HEI Project No. 11-014-86)</p> <p><i>Prime Consultant:</i> <b>Rahman &amp; Associates</b> 3645 Williams Blvd., Suite 208 Kenner, LA 70065</p> <p><i>Owner:</i> <b>Jefferson Parish</b> Dept. of Drainage 1221 Elmwood Park Blvd., Suite 907 Jefferson, LA 70123</p> <p><i>Project Manager:</i> <b>Mitch Theriot, P.E., Director</b> 504-736-6752 mtheriot@jeffparish.net</p> 	  <p>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:</p> <p>Prime Scope Engines</p> <ul style="list-style-type: none"> <li>• Replace all 6 existing engines, #1, #2, #3, #4, #5, &amp; #6.</li> <li>• Increase new engine power to 350 H.P.</li> <li>• New Engines to run at 1800 RPM</li> </ul> <p>Gearboxes:</p> <ul style="list-style-type: none"> <li>• Refurbish all existing gearboxes, #1, #2, #3, #4, #5, &amp; #6.</li> <li>• Maintain similar or almost similar gear ratios.</li> <li>• All gearboxes to have same drive ratios</li> <li>• Each refurbished Gearbox – Service Factor of 2.0</li> </ul> <p>Pumps:</p> <ul style="list-style-type: none"> <li>• Replace Pumps # 1, # 3, #4 &amp; #5</li> <li>• Pump Capacity – 150 (156) CFS each</li> <li>• Keep Pumps #2 and # 6 (Johnston Model 42PO) No refurbishing.</li> </ul> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility:</b> Subconsultant</p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>• Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer)</li> <li>• Danielle B. Connelly, P.E. (Roadway Engineer)</li> <li>• Sundararaja C. Rao, P.E. (Hydraulic Engineer)</li> <li>• Bryan K. Joseph, E.I. (Project / Construction Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>	
<p><b>Completion Date (Actual or estimated):</b></p>	<p><b>Estimated Cost:</b></p>	
<p><b>Start Date:</b> 2015</p> <p><b>End Date:</b> Project "On Hold" as of 2020</p>	<p><b>Entire Project:</b></p> <p>\$4.68M (Construction) (Estimate)</p>	<p><b>Work for which Firm was Responsible:</b></p> <p>\$120 (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. 9**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:																	
<p><b>SWFCP PISD (University City and Audubon Place Subdivision Areas) Phases I, II, III,</b></p> <p><b>Kenner, LA</b> (HEI Project No. 11-011-81)</p> <p><i>Owner:</i> <b>City of Kenner</b> Public Works Dept. 1610 Reverend Richard Wilson Drive Kenner, LA 70062</p> <p><i>Project Manager :</i> <b>Thomas M. Schreiner, P.E.</b> 504-468-7515 tschreiner@kenner.la.us</p> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility: Prime</b></p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>•Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>•Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer)</li> <li>•Sundararaja C. Rao, P.E. (Hydraulic Engineer)</li> <li>•Bryan K. Joseph, E.I. (Construction Engineer)</li> <li>•Stephen F. Urquhart (CAD Designer)</li> </ul>	 <p><b>TASK I PHASE I (City No. 2012-001-DR, SPN H.010107).</b> First of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of installation of drain pipe/catch basins (over 1125 lf), pavement restoration, conflict structures along Galan &amp; Hooper Drive and the installation of a 45x73 outfall pipe (75 lf) from the intersection of Tulane Drive and Millsaps Place to Outfall. <b>(Construction Complete)</b></p> <p><b>TASK II PHASE II (City No. 2014-002B-RB, SPN H.010107).</b> Second of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Millsaps Place through the installation of drainage pipe/catch basins (over 700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, from the intersection of Millsaps Place and Louisiana State Dr. to Phase I outfall pipe at the intersection of Tulane Drive and Millsaps Place. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. <b>(Construction Complete)</b></p> <p><b>TASK III PHASE III (City No. 2012-001-DR, SPN H.010107).</b> Third of 3 Phases designed to improve drainage for University City and Audubon Place Subdivision. Work consisted of upgrading existing drainage along Tulane Drive through the installation of drainage pipe/catch basins (over 1,700 lf), pavement restoration, driveway/sidewalk restoration, and conflict structures, along Tulane Dr. from Houston Pl. to Kilgore Pl. and along Kilgore Pl. from Tulane Dr. to Northwestern Dr. In addition, incidental installation of various sewer utilities (over 520 lf) and water utilities (over 180 lf) are a part of this project. <b>(Construction Complete)</b></p>																	
<p><b>Completion Date (Actual or estimated):</b></p> <table border="0"> <tr> <td>Start Date:</td> <td>End Date:</td> </tr> <tr> <td>Task I / Phase I 2013</td> <td>Task I / Phase I 2014 (Actual)</td> </tr> <tr> <td>Task II / Phase II 2015</td> <td>Task II / Phase II 2016 (Actual)</td> </tr> <tr> <td>Task III / Phase III 2017</td> <td>Task III / Phase III 2019 (Actual)</td> </tr> </table>	Start Date:	End Date:	Task I / Phase I 2013	Task I / Phase I 2014 (Actual)	Task II / Phase II 2015	Task II / Phase II 2016 (Actual)	Task III / Phase III 2017	Task III / Phase III 2019 (Actual)	<p><b>Estimated Cost:</b></p> <table border="1"> <thead> <tr> <th data-bbox="654 1556 1062 1671">Entire Project:</th> <th data-bbox="1062 1556 1554 1671">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td>Task I / Phase I \$882.7 (Const. Cost)</td> <td>Task I / Phase I \$75.3 (Fee)</td> </tr> <tr> <td>Task II / Phase II \$969.8 (Const. Cost)</td> <td>Task II / Phase II \$96 (Fee)</td> </tr> <tr> <td>Task III / Phase III \$1,515 (Const. Cost)</td> <td>Task III / Phase III \$160 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	Task I / Phase I \$882.7 (Const. Cost)	Task I / Phase I \$75.3 (Fee)	Task II / Phase II \$969.8 (Const. Cost)	Task II / Phase II \$96 (Fee)	Task III / Phase III \$1,515 (Const. Cost)	Task III / Phase III \$160 (Fee)
Start Date:	End Date:																	
Task I / Phase I 2013	Task I / Phase I 2014 (Actual)																	
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**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.**

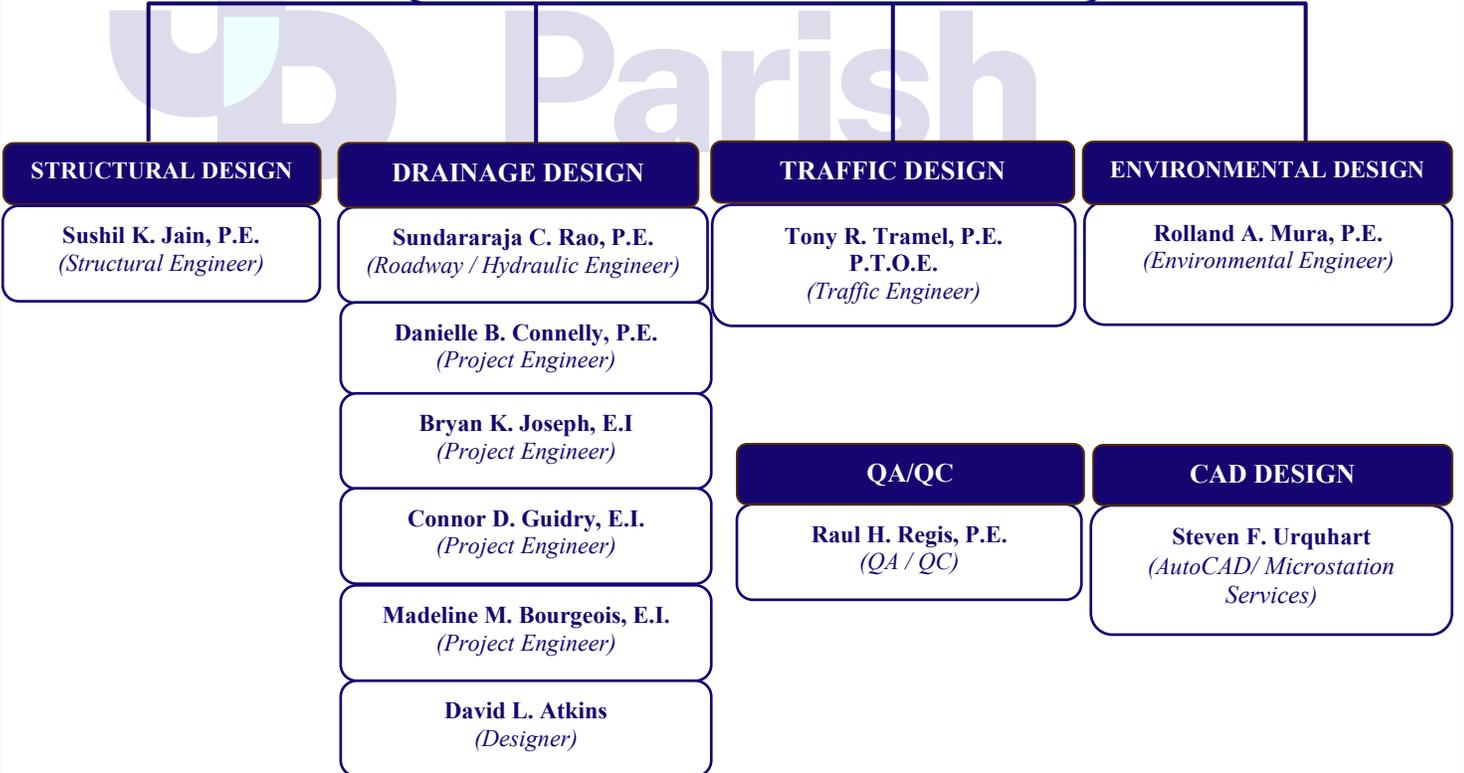
**PROJECT NO. 10**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Clearview Drainage Pump Station (Phase 4),</b></p> <p><b>Jefferson Parish, LA</b> (HEI Project No. 11-104-21)</p> <p><i>Owner:</i> <b>Jefferson Parish</b> Dept. of Drainage 1221 Elmwood Park Blvd. Jefferson, LA 70123</p> <p><i>Prime:</i> <b>APTIM, Inc.</b> (Formerly: CB&amp;I; SHAW) Metairie Centre 2424 Edenborn Ave., Suite 450 Metairie, LA 70001</p> <p><i>Project Manager:</i> <b>Gene Gillen, P.E.</b> 504-832-4878 gene.gillen@aptim.com</p> 	 <p>Hartman Engineering, Inc. (HEI) is responsible for the design, operation, and maintenance plans of the proposed 220 cfs pump station structure, wet-well, pumps, motors, electrical components, conduit and wire, generator, fuel tank and piping, switch gear, pumping controls and processes, pump discharge piping, pipe and conduit supports, valves, overall hydraulic functions and replacement of the Earhart On-Ramp and Temporary Traffic Control per LADOTD guidelines. The wet-well structure shall consist of concrete walls, trash screen, and dirt work required for smooth transition from existing trapezoidal channel and ponds to the pump intake. HEI shall also design the proper electrical control station structure, including foundation, walls, roof, lighting, and necessary venting to meet current building codes and Jefferson Parish acceptance. Discharge pipe shall be designed for aerial crossing over Cross Canal and mount to Stilling Basin (under Phase 3a construction). The Stilling Basin will be adjusted to enclose the south face, separating St. Peter's Ditch from Cross Canal. As-builts of the Stilling Basin will be provided by SCI. HEI will be required to coordinate with existing utility companies to incorporate any relocations required.</p> <p><b>% of work Performed in LA: 100%</b></p> <p><b>Firm's Responsibility: Subconsultant</b></p> <p><b>Key Staff on Project:</b></p> <ul style="list-style-type: none"> <li>• Jared B. Monceaux, P.E. (Project Manager &amp; QA/QC)</li> <li>• Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer)</li> <li>• Danielle B. Connelly, P.E. (Project Engineer)</li> <li>• Sundararaja C. Rao, P.E. (Hydraulic Engineer)</li> <li>• Stephen F. Urquhart (CAD Designer)</li> </ul>	
<p><b>Completion Date (Actual or estimated):</b></p>	<p><b>Estimated Cost:</b></p>	
<p><b>Start Date:</b> 2012 <b>End Date:</b> Professional: 2014 Construction: 2017 (actual)</p>	<p><b>Entire Project:</b></p> <p>\$235 (Design) \$6,063 (Construction)</p>	<p><b>Work for which Firm was Responsible:</b></p> <p>100% (Design)</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**



**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. 3/31/2024**
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. 3/31/2024**
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 subcontractor may meet this requirement only if the advertised Project involves more than one discipline.)
  - **Jared B. Monceaux, P.E. HEI PE 32202 Exp. 3/31/2024**
  - **Rolland A. Mura, P.E. HEI PE 14997 Exp. 3/31/2024**
  - **Raul H. Regis, P.E. HEI PE 34006 Exp. 9/30/2022**
  - **Danielle B. Connelly, P.E. HEI PE 36284 Exp. 9/30/2023**

**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, 25<sup>th</sup> 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><b>Mark Drewes, P.E., Dir. of Public Works</b>                  Jefferson Parish                  1221 Elmwood Park Blvd., Ste. 904                  Jefferson, LA 70123                  504-736-6783</p>	<p><b>Neil Schneider, P.E., Dir. of Capital Projects</b>                  Jefferson Parish                  1221 Elmwood Park Blvd., Ste. 906                  Jefferson, LA 70123                  504-736-6833</p>	<p><b>Mike Lockwood, MSPH, Dir. of Sewerage</b>                  Jefferson Parish                  1221 Elmwood Park Blvd., Ste. 803                  Jefferson, LA 70123                  504-736-6661</p>
<p><b>Jackie Baumann, P.E., City Engineer,</b>                  City of Gonzales                  120 S. Irma Blvd.                  Gonzales, LA 70737                  225- 647-9589</p>	<p><b>Melissa LeBas, P.E., Urban Systems Project Mgr.</b>                  LaDOT                  1201 Capital Access Road, Room S-616                  Baton Rouge, LA. 70802                  225-379-1046</p>	<p><b>Tom Schreiner, Deputy CAO Public Works and Capital Projects for City of Kenner</b>                  1610 Reverend Richard Wilson Drive                  Kenner, LA 70062                  504-468-7515</p>
<p><b>Ryan Foster, P.E., Project Engineer</b>                  Orleans Levee District                  6920 Franklin Ave.                  New Orleans, LA 70122                  504-286-3100</p>	<p><b>Joan M. Exnicios, Chief of Planning</b>                  US Army Corps of Engineers, N.O. District                  P.O. Box 60267                  New Orleans, LA 70160                  504-862-1760</p>	<p><b>Jason LaCombe, P.E., Assistant Road Design Engineer Administrator, LADOTD</b>                  1201 Capitol Access Rd.                  Baton Rouge, LA 70802                  225-379-1046</p>
<p><b>Ignacio Harrouch, P.E., Chief of Construction</b>                  Coastal Protection Restoration Authority                  P.O. Box 44027                  Baton Rouge, LA 70804                  225-342-4501</p>		<p><b>Ron Savoy, Drainage Director</b>                  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"> <li>• <u>Project Scope</u></li> </ul>	<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"> <li>• <u>Project Schedule</u></li> </ul>	<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"> <li>• <u>Project Budget</u></li> </ul>	<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"> <li>• <u>Quality Control/Quality Assurance</u></li> </ul>	<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"> <li>• <u>General</u></li> </ul>	<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"> <li>• <u>Check</u></li> </ul>	<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"> <li>• <u>Peer Review</u></li> </ul>	<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"> <li>• <u>Executive Review</u></li> </ul>	<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"> <li>• <u>Owner/President Review</u></li> </ul>	<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: March 31, 2022**

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

Name:	Public Address:
Hartman Engineering, Inc.	Mr. B.K. Sneed 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	03/31/2024	Mr. Jared Blayne Monceaux # PE.0032202 - Active



# 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,

A handwritten signature in blue ink, appearing to read "Jackie Baumann", is written over a circular stamp.

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 cursive script, appearing to read "Walter Baummy Jr.", written in black ink.

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 6/22/2021 to 6/22/2022 .

Certification No. 13205

A handwritten signature in black ink that reads "Stephanie 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

**HEI** Hartman Engineering, Inc.  
*Consulting Engineers*

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mail@harteng.com

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(225) 313-4617 • Fax: (225) 313-6127  
brmail@harteng.com