Hartman Engineering, Inc.
Consulting Engineers

March 25, 2022

To:

Jefferson Parish
State of Louisiana

Subject: **SOQ 22-010**
Provide Routine Engineering Services for SEWER PROJECTS in Jefferson Parish for a two-year period
Resolution No. 138812
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 sewerage treatment and collection 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.

Jared B. Monceaux, P.E.
President

JBM/am

Enclosures

527 WEST ESPLANADE AVENUE, SUITE 300 ▪ KENNER, LA 70065 ▪ (504) 466-5667 ▪ FAX (504) 466-6166 ▪ mail@harteng.com
16563 AIRLINE HIGHWAY, SUITE A & B ▪ PRAIRIEVILLE, LA 70769 ▪ (225) 313-4617 ▪ FAX (225) 313-6127 ▪ brmail@harteng.com

HEI Hartman Engineering, Inc.
Consulting Engineers

Jefferson Parish

TEC Professional Services Questionnaire

Resolution No. 138812

Provide Routine Engineering Services for

SEWER PROJECTS

In Jefferson Parish for a Two-Year Period

March 25,2022

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provide Professional Engineering Services for SEWER PROJECTS in Jefferson Parish for a Two-Year Period.

Resolution No. 138812

B. Firm Name & Address:

HEI Hartman Engineering, Inc. Consulting Engineers

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		*2*	Environmental Engineers		*2*	Designer
	Professional Land Surveyors		*1*	CAD Draftsman		***18***	**TOTAL**
	Environmental Scientist		*1*	Transportation Engineer			

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

YES ☐ NO ☒

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

TEC Professional Services Questionnaire

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

1. Not applicable

2.

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

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

Name & Address:	Specialty	Worked with Firm Before (Yes or No):
1.		
2.		
3.		

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

18

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Jared B. Monceaux, P.E.
President

Project Assignment:

Project Oversight

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

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.

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

SCIP Project D3123, Rehabilitate Existing Trickling Filters at Harvey Wastewater Treatment Plant, Jefferson Parish, LA. Project Manager & QA/QC for: Rehabilitate existing Trickling Filters at the Harvey Wastewater Treatment Plant - remove, clean and repair/replace existing trickling filter media (stacked 'crate' type), remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, inspect, repair and replace existing water supply (hydrant, water line), change existing vents with new SS or Aluminum vents, piping and media support inside filters, remove exist hand rails, and installation of new LED lighting. HEI Project No. 11-014-93

Design of SCIP Project D2131 - Rehabilitate Existing Trickling Filters at Marrero Wastewater Treatment Plant, Jefferson Parish, LA: Project 1*:* remove, clean and repair/replace existing trickling filter media, remove, remove and replace all influent and effluent sluice gates (new gates to have electric actuators), clean repair/replace existing geodetic dome covers over both trickling filter units, inspect, repair and coat existing concrete surface, change existing vents, piping and media support inside filters, remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, investigate if the existing electrical items in the trickling filter control room is above 100 Year BFE and all related incidental work. ***Project 2****:* Remove and replace vertical turbine recirculation pumps, motors and valves, blast and paint recirculation piping, redo all electrical control panels, motor control centers and other electrical items in the trickling filter electrical room, new electrical equipment building (pile supported, flat roof, window AC) constructed to conform to 100 years BFE requirement, mob/demo and all related incidental work. HEI Project #11-014-85

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system. HEI Project No.

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

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

Reserve Wastewater Treatment Plant (St. John the Baptist Parish Wastewater Retention Pond Conversion to Wastewater Oxidation Treatment Pond"), St. John the Baptist Parish, LA- HEI was Sub-Consultant to EES (Oscar Boudreaux, Jr., P.E.) for the conversion of the Reserve Wastewater oxidation pond to a 3.0 MGD Aerated Lagoon. HEI designed the following portions of the Lagoon: Effluent Pump Station and Force Main, Pipeline Levee Crossing, and all Structural components including Lagoon foundation, Headworks, Pipe Support, Chlorine Building foundation and Effluent Pump Station piping. Coordinated all Geotechnical aspects of the project. HEI also provided all permitting services for DEQ and LDHH approvals. HEI Project No. 11-023-06

Hanson City Area Sewer Lift Station Improvements for LS 4102 (Airline Drive/Minden St.) and LS 4103 (Firehouse/Hanson City), TASK 1, Kenner, LA.: Project Manager & QA/QC for: Lift Station 4103 (Firehouse Rd.) proposed improvements include installing new pumping equipment and associated controls, piping, electrical work, repairing the roof of the existing building on site, and converting the station to an underground station. The capacity of LS4103 will be increased from 1,280 GPM maximum (2 pumps running) to 2,000 GPM maximum (2 pumps running, 1 pump stand by). Lift Station 4102 (Airline and Minden) improvements include installing new pumping equipment and associated controls, piping, electrical work, and demolishing the existing building on site. The capacity of LS4102 will be increased from 745 GPM maximum (2 pumps running) to 800 GPM maximum (1 pump running, 1 pump stand by). This project is partially funded by U.S. Department of Housing and Urban Development Community Development Block Grant's Hurricanes Gustav/Ike Disaster Recovery Grant. HEI Project No. 11-011-77

Hanson City Area Sewer Lift Station Improvements for LS 4103 (Firehouse/Hanson City), TASK 2, Kenner, LA.: Project Manager & QA/QC for: The work consisted of the replacement of the existing Firehouse Road (4103) lift station asbestos concrete force main with a new 12" I.D. HDPE sewer force main via directional drilling method. The work included the installation of air release valves and two tie-in locations (one at Lift Station 4103 and one at the existing discharge manhole location), all located on Louis Armstrong International Airport (MSY) property. This project is partially funded by U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant's Hurricanes Gustav/Ike (CDBG) Disaster Recovery Grant and Louisiana Department of Environmental Quality Loan. HEI Project No. 11-011-77A

SCIP Project D5714, Sewer Lift Station D6-5 Force Main Improvements, Jefferson Parish, LA.: Project Manager & QA/QC for: Sewer pump upgrade, force main rerouting, associated electrical work and roadway replacement; Design of the West Napoleon Force Main between David Drive and Transcontinental Drive, generally consisting of the following: approximately 9000 linear feet of 30" sewer force main, with tie-ins to the existing D6-5 sewer lift station and the existing 18" force main at West Napoleon Avenue and Transcontinental Drive. HEI Project No. 11-014-74

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

Design Services for 35th & Ole Miss Lift Station, Kenner, LA.: Project Manager & QA/QC for: This project involved design of 4 submersible pumps in an 8,000 GPM capacity sewer pump station with 2 wet wells, 2 junction boxes, odor control for 2 wet wells and 2 junction boxes, relocation of 7 force mains (6" - 18") and gravity sewer, tie-in to existing 20" sewer force main, and demolition of existing pump station (with property transfer between City and Church). Project activities included Design, Preparation of Plans and Specifications, Construction Services and Resident Inspection. HEI Project No. 11-011-74

DPW Project No. 13-TP-MS-0047, North Wastewater Treatment Plant Master Plan Plant Improvements Project, Baton Rouge, LA.: Mr. Monceaux served as a Project Manager and senior QA/QC Design Engineer for the sub-consultant portion of this project which includes an interdisciplinary plan for capacity and performance improvements and rehabilitations at the plant. HEI responsibilities for this project include coordinating a proposed improvements master plant layout, design and layout of various types of yard piping, proposed potable water facilities, drainage analysis and design, grading, geometric roadway and pavement designs, striping and traffic control, and erosion control. Interdisciplinary coordination efforts and various permit requirements and application preparations (USACE wetlands, DHH, DEQ, Pontchartrain Levee District, CPRA, etc.), are also part of HEI responsibilities for this project. HEI is a Sub-consultant to CDM-Smith on this project, and design is 100% complete. HEI Project No. 12-093-12

Design of SCIP Project 03561 - Rehabilitate Existing Cooper & Wilbur Lift Station, Jefferson Parish, LA. Project Manager & QA/QC for: The contract work consists of construction of new sewer pumping station (including wet well, valve vault, control panel, associated electrical work, and all miscellaneous site work); gravity sewer; demolition of existing lift station and conversion of wet well to sewer manhole; connection to existing 6" force main and restoration of roadway and other disturbed areas. HEI Project No. 11-014-86

Project No. 07-PS-BD-0018 – Sullivan Road/Lovett Road/Wax Road Sewer Area, North Service Area NFE-C-0002, Baton Rouge, LA.: Mr. Monceaux served as Project Manager and Design Engineer; the project involved sewer capacity upgrades which included the design and cost analysis of three submersible pump stations (0.55, 1.96, and 1.38 MGD), and the design and replacement of approximately 2,300 linear feet of gravity sewer and approximately 4,700 linear feet of sewer force mains. HEI Project #12-093-07

UTL-18-0802, Hwy 42 Gravity Sewer Improvements (Cully Broussard Road to Harbor Lane), Ascension Parish, LA.: *Project Manager & QA/QC for:* 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. HEl-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.

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 No.09-PS-UF-0001 - Sanitary Sewer System Upgrades Force Main and Gravity System Pump Station 58A SGC-C-PS58A (Staring Lane - Overflow Pump Station), Baton Rouge, LA.: Mr. Monceaux served as Project Manager for the civil site layout for the 88 MGD Overflow Pump Station (58A) that flows directly to the South Wastewater Treatment Plant. HEI was a Sub-consultant to GEC on this project and design is 100% complete. HEI Project No. #12-093-08

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

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

DPW Project No. 11-FM-MS-0004, Sanitary Sewer System Improvements, Highland Road Pipeline Project, SGL-C-0003, East Baton Rouge Parish, LA.: Design installation of 6,000 lf of gravity sewer with diameters on 12 through 27-inches. HEI Project No. 12-117-01

Project No. 11-PS-MS-0026 South Forcemain System Capacity Improvement Project, SFL-C-0003 (Multiple Pump Stations, Burbank Drive – Siegen Lane), Baton Rouge, LA. Mr. Monceaux served as Project Manager for 6 Pump Station replacements, 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. HEI Project No. 12-093-11

Chetta Drive Sewer Improvements Project, Jefferson Parish, LA. Project Engineer for: Provide design and construction engineering services for 2700 LF of new 8" sanitary sewer in Chetta Drive, Lisa Drive, Magnolia Drive and Power Boulevard from Veterans Boulevard to I-10. HEI Project No. 11-014-50

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

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

Mr. Jared Blayne Monceaux

License/Certificate Type - Number	Expiration Date
PE.0032202	03/31/2024

Status: Active

Fold Here

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.

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
All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.

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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:

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.

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system. HEI Project No.

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

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

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

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

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

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

Sanitary Sewer System, Town of Estherwood, LA.: Project manager of this $700,000 dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Town of Estherwood located in Acadia Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepared necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

Sanitary Sewer System, Town of Morse, LA.: Project manager of this $ 600,000 dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Town of Morse located in Acadia Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepared necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

Sanitary Sewer System, Town of Washington, LA.: Project manager of this $1.2 million dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Town of

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:

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

Washington located in St. Landry Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepared necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

Sanitary Sewer System, Village of Sicily Island, LA.: Project manager of this $600,000 dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Village of Sicily Island located in Catahoula Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepared necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

Sanitary Sewer System, Town of Walker, LA.: Project manager of this $2.5 million dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Town of Walker located in Livingston Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepare necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

Sanitary Sewer System, Village of Hall Summit, LA.: Project manager of this $500,000 dollar EPA and Farmers Home Administration funded wastewater collection, pumping and treatment facilities project for the Village of Hall Summit located in Red River Parish. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepare necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the Town.

Oxidation Pond Rehabilitation, City of Denham Springs, LA.: Project manager of this $2.5 million dollar EPA and Farmers Home Administration funded project involving rehabilitation of existing 100-acre single cell oxidation pond. The project consisted of dividing the existing pond into a three cell system by constructing dividing levees, construction of a16-acre artificial marsh filter, installation of UV system for disinfection and flow monitoring system, construct and equip an on-site wastewater testing laboratory. Key responsibilities included overall project development from conceptual stage to start-up and operation. Prepare necessary engineering and cost data for funding and bond issues, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the City.

Sewer System Rehabilitation and Improvements, City of Denham Springs, LA.: Project manager of several sewer system rehabilitation and improvement projects for the City of Denham Springs involving, rehabilitation of collection lines using In-Situform method, rehabilitation of manholes, rehabilitation of existing pump stations, new collection lines, pump stations and force mains, etc. Key responsibilities included preparation of plans and specifications, construction bidding, construction overseeing, process contractor's payment requests, change orders, coordination between funding agencies and the City.

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:

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

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)

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:

Sundararaja C. Rao, P.E.
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

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

Mr. Sundararaja Channakesavapura Rao

License/Certificate Type - Number	Expiration Date
PE.0017005	09/30/2023

Status: Retired

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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:

Danielle B. Connelly, P.E.
Project Engineer

Project Assignment:

Project Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

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:

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer

SCIP Project D3123, Rehabilitate Existing Trickling Filters at Harvey Wastewater Treatment Plant, Jefferson Parish, LA. Project Manager for: Rehabilitate existing Trickling Filters at the Harvey Wastewater Treatment Plant - remove, clean and repair/replace existing trickling filter media (stacked 'crate' type), remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, inspect, repair and replace existing water supply (hydrant, water line), change existing vents with new SS or Aluminum vents, piping and media support inside filters, remove exist hand rails, and installation of new LED lighting. HEI Project No. 11-014-93

Design of SCIP Project D2131 - Rehabilitate Existing Trickling Filters at Marrero Wastewater Treatment Plant, Jefferson Parish, LA: Project 1: remove, clean and repair/replace existing trickling filter media, remove, remove and replace all influent and effluent sluice gates (new gates to have electric actuators), clean repair/replace existing geodetic dome covers over both trickling filter units, inspect, repair and coat existing concrete surface, change existing vents, piping and media support inside filters, remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, investigate if the existing electrical items in the trickling filter control room is above 100 Year BFE and all related incidental work. ***Project 2:*** Remove and replace vertical turbine recirculation pumps, motors and valves, blast and paint recirculation piping, redo all electrical control panels, motor control centers and other electrical items in the trickling filter electrical room, new electrical equipment building (pile supported, flat roof, window AC) constructed to conform to 100 years BFE requirement, mob/demo and all related incidental work. HEI Project #11-014-85

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system. HEI Project No.

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer

Reserve Wastewater Treatment Plant (St. John the Baptist Parish Wastewater Retention Pond Conversion to Wastewater Oxidation Treatment Pond"), St. John the Baptist Parish, LA- HEI was Sub-Consultant to EES (Oscar Boudreaux, Jr., P.E.) for the conversion of the Reserve Wastewater oxidation pond to a 3.0 MGD Aerated Lagoon. HEI designed the following portions of the Lagoon: Effluent Pump Station and Force Main, Pipeline Levee Crossing, and all Structural components including Lagoon foundation, Headworks, Pipe Support, Chlorine Building foundation and Effluent Pump Station piping. Coordinated all Geotechnical aspects of the project. HEI also provided all permitting services for DEQ and LDHH approvals. HEI Project No. 11-023-06

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

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

City/Parish DPW Project No. 09-GS-UF-008, Sanitary Sewer Overflow (SSO) 25th – North Acadian, CGN-C-0002, Baton Rouge, LA. Ms. Connelly provided assistance with design; the project involved sanitary sewer overflow upgrades which included the design and installation of approximately 13,000 linear feet of gravity sewer with diameters of 15" through 24". Project included LADOTD and C.N. Railroad permitting. Of particular note, design was 100% complete (including Survey and Geotech) within 7 months of Notice to Proceed due to the request of City/Parish. HEI Project #12-093-09

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer

PW Project No. 07-PS-BD-0018, Sanitary Sewer System Upgrades (Multiple Pump Stations - Lovett Road Area), Service Area NFE-C-0002, Baton Rouge, LA. Ms. Connelly assisted in the design and quantity computations for three submersible pump stations (0.55, 1.96, and 1.38 MGD), 2,300 linear feet of gravity sewer and approximately 4,700 linear feet of sewer force mains. HEI Project #12-093-07

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

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

South Beech Street Pump Station & Force Main Upgrade, Picayune, MS. As part of EPA Region 4 SPAP grant for wastewater infrastructure improvements, Ms. Connelly assisted with the design for preliminary and final engineering plans and specifications for pump station and force main system upgrade. Improvements included installation of new pumps for 1520 GPM pump station capacity and new directionally drilled 8" parallel force main for existing collection system. HEI Project #21-019-04

DPW Project No. 13-TP-MS-0047, North Wastewater Treatment Plant Master Plan Plant Improvements Project, Baton Rouge, LA. Project engineer for the sub-consultant portion of this project which includes an interdisciplinary plan for capacity and performance improvements and rehabilitations at the plant. HEI responsibilities for this project include coordinating a proposed improvements master plant layout, design and layout of various types of yard piping, proposed potable water facilities, drainage analysis and design, grading, geometric roadway and pavement designs, striping and traffic control, and erosion control. Interdisciplinary coordination efforts and various permit requirements and application preparations (USACE wetlands, DHH, DEQ, Pontchartrain Levee District, CPRA, etc.), are also part of HEI responsibilities for this project. HEI is a Sub-consultant to CDM-Smith on this project, and design is 90% complete. HEI Project #12-093-12

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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

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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
PE.0036284	09/30/2023

Status: Active

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TEC Professional Services Questionnaire

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Environmental Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

3 (2019)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Year First Registered: 1980
Discipline: Civil/Environmental State: Louisiana License No.: 18859
Also registered in Mississippi (16235)

Other experiences and qualifications relevant to the proposed Project:

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

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

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

Renovation of a three (3) MGD water treatment facility for the City of Opelousas and a 1.25 MGD water treatment facility for the Town of Church Point is credited to his design leadership on these projects.

In the wastewater field, Mr. Boudreaux has participated in Inflow/Infiltration Analysis and Sewer System Evaluation Survey for the City of Westwego and the City of Baton Rouge. The fieldwork included the collection of dry and wet weather flow information, dye testing for monitoring inflow sources, and close circuit television of the system. Afterward, he performed the analysis of the system.

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

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system. HEI Project No.

Reserve Wastewater Treatment Plant (St. John the Baptist Parish Wastewater Retention Pond Conversion to Wastewater Oxidation Treatment Pond"), St. John the Baptist Parish, LA.: HEI was Sub-Consultant to EES (Oscar Boudreaux, Jr., P.E.) for the conversion of the Reserve Wastewater retention pond to a 3.0 MGD Aerated Lagoon. HEI designed the following portions of the Lagoon: Effluent Pump Station and Force Main, Pipeline Levee Crossing, and all Structural components including Lagoon foundation, Headworks, Pipe Support, Chlorine Building foundation and Effluent Pump Station piping. Coordinated all Geotechnical aspects of the project. HEI also provided all permitting services for DEQ and LDHH approvals. Civil, Mechanical, and Structural engineering design for the expansion of the 3.0 MGD wastewater treatment plant and oxidation pond conversion to an Aerated Lagoon. **HEI Project No. 11-023-06**

LEAD DESIGNER OF THE FOLLOWING TREATMENT FACILITIES *

City of Ville Platte, Louisiana – Wastewater Treatment Plant
City of Pineville, Louisiana – Wastewater Treatment Plant
City of Winnfield, Louisiana – Wastewater Treatment Plant
Town of Madisonville, Louisiana – Wastewater Treatment Plant
Town of Homer, Louisiana – Wastewater Treatment Plant
Town of Pearl River, Louisiana – Wastewater Treatment Plant
Town of Simmsport, Louisiana – Wastewater Treatment Plant
Village of Natchez, Louisiana – Wastewater Treatment Plant
Town of Addis, Louisiana – Wastewater Treatment Plant
Galliano, Louisiana – Wastewater Treatment Plant
City of Elsa, Texas – Wastewater Treatment Plant
Clinton, Louisiana – Sewer Treatment Plant
City of San Juan, Texas – Wastewater Treatment Plant
City of Winnfield, Louisiana – Wastewater Treatment Plant Improvements
City of Jeanerette, Louisiana – Wastewater Treatment Plant
Town of Addis, Louisiana – Wastewater Treatment Plant
City of Natchitoches, Louisiana – Wastewater Treatment Plant
Town of Lutcher, Louisiana – Wastewater Treatment Plant Upgrades
St John the Baptist Parish, Reserve Wastewater Treatment Plant
City of Morgan City, Louisiana – Wastewater Treatment Plant
Diamondhead Water & Sewer Dist., Diamondhead, MS – Wastewater Treatment Plant
Town of Lutcher, Louisiana – Wastewater Treatment Plant
City of Donaldsonville, Louisiana – Wastewater Treatment Plant
Town of Port Barre, Louisiana – Wastewater Treatment Plant
Sewer District No. 4, St. Tammany, Louisiana – Wastewater Treatment Plant
City of Opelousas, Louisiana – Water Treatment Plant
City of Churchpoint, Louisiana – Water Treatment Plant
Town of Amite City, Louisiana – Wastewater Treatment Plant
Town of Gramercy, Louisiana – Wastewater Treatment Plant
St.John the Baptist Parish, Louisiana – Wastewater Treatment Plant (Sludge)
PepsiAmericas, Reserve, Louisiana – Wastewater Treatment Plant
Sewer District No. 6, St. Tammany, Louisiana – Wastewater Treatment Plant
Town of Many, Louisiana – Water Treatment Plant
Cenex Harvest Grain Elevator, Belle Chasse, Louisiana – Wastewater Treatment Plant
Peavey Grain Elevator, Gramercy, Louisiana – Stormwater Treatment Plant
Keegan Bayou, Biloxi, MS – Wastewater Treatment Plant (Sludge)
Violet, St. Bernard Parish, Louisiana – Wastewater Treatment Plant (Sludge)
Greenleaves Utility Company, Mandeville, Louisiana – Wastewater Treatment Plant
Colonial Sugars, Gramercy, Louisiana – Wastewater Treatment Plant
Abita Beer, Mandeville, Louisiana – Wastewater Treatment Plant
Alliance Compressor Mfr., Natchitoches, Louisiana – Pre-Treatment Wastewater Plan

CONSULTED WITH OR SERVED AS TECHNICAL ADVISOR *

City of Hammond, Louisiana – Wastewater Treatment Plant
Town of Jena, Louisiana – Wastewater Treatment Plant

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Indian River Development, Florida – Wastewater Treatment Plant
Town of Berthoud, Colorado – Wastewater Treatment Plant
Town of Eunice, Louisiana – Wastewater Treatment Plant
City of Jackson, MS – Wastewater Treatment Plant
City of Trenton, Georgia – Wastewater Treatment Plant
Waveland, Mississippi – Wastewater Treatment Plant
City of Sulphur, Louisiana – Wastewater Treatment Plant
Whisperwood Subdivision, Slidell, Louisiana – Wastewater Treatment Plant
City of Morgan City, Louisiana – Water Treatment Plant
City of Mandeville, Louisiana – Wastewater Treatment Plant
Port of South Louisiana, LaPlace, Louisiana – Wastewater Treatment Plant
Town of Abbeville, Louisiana – Wastewater Treatment Plant
Beau Chene Subdivision, Mandeville, Louisiana – Wastewater Treatment Plant
Monsanto, Luling, Louisiana – Wastewater Treatment Plant

SITE TOURS FOR EVALUATION *
Over 250 in approximately 20 states
*** Performed by Mr. Boudreaux with EES or previous employment.**

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/26/2021 , the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Oscar James Boudreaux Jr.

Baton Rouge, Louisiana 70810

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

Mr. Oscar James Boudreaux Jr.

License/Certificate Type - Number	Expiration Date
PE.0018859	03/31/2023

Status: Active

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Larry E. Shriver
Treatment Process Specialist

Project Assignment:

Water Treatment Specialist

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

7 (2015)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experiences and qualifications relevant to the proposed Project:

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

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system. HEI Project No.

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Larry E. Shriver
Treatment Process Specialist

Specific experience for Aerated Lagoons

Alexandria, LA - Wrote my Master's Thesis on this plant.
Oakdale, LA - With effluent filtration

Mechanical Plants -

Ruston
Shepherd Oil - Ethanol plant
Baton Rouge
Myriant Corporation, Lake Providence

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

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

Improvements to Wastewater Treatment Plan (WWTP) No. 2, City of Kenner, LA - Project involved the abandoning of the existing WWTP and constructing a 15 MGD transfer pump station to convey wastewater to the City of Kenner WWTP No. 3. Professional engineering services consisted of modeling, design, bidding and construction phase services. Design included a collection trough to collected and transfer the wastewater from 14 sewer force mains, a pile supported reinforced concrete wetwell, three vertical turbine pumps, 30" diameter piping and force main, generator, fuel tank controls, and site work.

Capacity Upgrade for Effluent Pump Station at Wastewater Treatment Plant No. 3, City of Kenner, Louisiana – Project involved the feasibility evaluation, design, bidding, and construction phase services. The evaluation/preliminary design required modeling and analysis too determine the most feasible way to upgrade the existing 30 MGD effluent pump station to a 40 MGD. The interim solution was designed and constructed and included additional parallel 36" discharge piping in restrictive areas to increase the capacity of the station by 1 MGD.

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

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

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:

Larry E. Shriver
Treatment Process Specialist

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

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

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

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

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

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

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

New Orleans SWB – London Avenue Canal Project; calculated flow data from the pump stations that pump into the canal, participated in the conceptual process selection for treatment – disinfection and trash collection, prepared routing maps of storm water from the drainage areas of the City that are pumped into this canal, assisted in the installation of a temporary-pilot floating baffle for trash collection information for the final report on this project.

Bionol Louisiana, LLC - Lake Providence, Louisiana – Air permit application and air permit acquisition for this proposed 108 Million Gallons of Ethanol Per Year corn to ethanol plant.

Celunol, LLC – Jennings, Louisiana – Pilot study to determine the treatability of their wastewater. The wastewater is from a lignocellulosic sugars to ethanol pilot and demonstration plant. The project included the use of membranes for wastewater treatment and possible reuse.

Myriant Corporation – Boston, MA – Designed and proposed a wastewater treatment system for the high strength industrial wastewater from their demonstration plant in Lake Providence, LA that will produce Succinic Acid by a fermentation process. Also obtained the air, water, stormwater and sludge handling and disposal LDEQ permits for this facility. After plant completion, served in a advisory capacity for water supply, wastewater treatment, and membrane separations processes within this demonstration plant.

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:

HEI Hartman Engineering, Inc.
Consulting Engineers

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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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

RELEVANT PROJECT EXPERIENCE FROM PREVIOUS FIRM:

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

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

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

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).

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

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.

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)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

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

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

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

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

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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 (LAPELS) has the following information on file:

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

Cut Here

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

Mr. Raul H. Regis

License/Certificate Type - Number	Expiration Date
PE.0034006	09/30/2022

Status: Active

Fold Here

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.

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

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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.

Project No. D6800, Sewer Infiltration/Inflow Management Services, Jefferson Parish, LA. HEI is the Prime Consultant for Jefferson Parish, LA on this US EPA funded project. The project tasks conducted by HEI includes field survey of sewer manholes and pump stations utilizing GPS equipment (GPS System 500) and SKI-Pro software (both from Leica Geosystems), data entry into database and management of database (MS Access) to create and maintain Jefferson Parish's intricate wastewater collection system network in ArcGIS software, mapping of the system's features, followed by hydraulic modeling (InfoWorks) to identify problem areas under various storm conditions graphically within a GIS mapping environment, and recommend capacity and rehabilitation improvements to minimize rainfall derived infiltration and inflow (I&I) and related sanitary sewer

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

overflows (SSOs). Detailed field investigation of nearly 5,000 manholes and 225 plus pump stations were conducted. Many rehabilitation projects have been identified costing upwards of $500 million, along with identifying many areas that will require sewer system evaluation surveys (SSES) to further pin point problem locations and causes. HEI Project No. 11-014-49

Design of SCIP Project D2131 - Rehabilitate Existing Trickling Filters at Marrero Wastewater Treatment Plant, Jefferson Parish, LA: ***Project 1****:* remove, clean and repair/replace existing trickling filter media, remove, remove and replace all influent and effluent sluice gates (new gates to have electric actuators), clean repair/replace existing geodetic dome covers over both trickling filter units, inspect, repair and coat existing concrete surface, change existing vents, piping and media support inside filters, remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, investigate if the existing electrical items in the trickling filter control room is above 100 Year BFE and all related incidental work. ***Project 2****:* Remove and replace vertical turbine recirculation pumps, motors and valves, blast and paint recirculation piping, redo all electrical control panels, motor control centers and other electrical items in the trickling filter electrical room, new electrical equipment building (pile supported, flat roof, window AC) constructed to conform to 100 years BFE requirement, mob/demo and all related incidental work. HEI Project #11-014-85

SCIP Project D3123, Rehabilitate Existing Trickling Filters at Harvey Wastewater Treatment Plant, Jefferson Parish, LA. Project Engineer for: Rehabilitate existing Trickling Filters at the Harvey Wastewater Treatment Plant - remove, clean and repair/replace existing trickling filter media (stacked 'crate' type), remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, inspect, repair and replace existing water supply (hydrant, water line), change existing vents with new SS or Aluminum vents, piping and media support inside filters, remove exist hand rails, and installation of new LED lighting. HEI Project No. 11-014-93

Wastewater Treatment Plant No. 3 and Effluent Pump Station Upgrades and Expansion Kenner, LA.: provided program and project management for extensive upgrades to the City of Kenner's Wastewater Treatment Plant (WWTP) No. 3. HEI was responsible for preparing a compliance plan, 201 Facility Plan, environmental information document (EID), and sludge management plan necessary for the City to maintain its wastewater collection and treatment system in compliance with U.S. Environmental Protection Agency (EPA) and Louisiana Department of Environmental Quality (LDEQ) requirements. HEI Project No. 11-011-65-30

Design Services for 35th & Ole Miss Lift Station, Kenner, LA. This project involved design of 4 submersible pumps in an 8,000 GPM capacity sewer pump station with 2 wet wells, 2 junction boxes, odor control for 2 wet wells and 2 junction boxes, relocation of 7 force mains (6" - 18") and gravity sewer, tie-in to existing 20" sewer force main, and demolition of existing pump station (with property transfer between City and Church). Project activities included Design, Preparation of Plans and Specifications, Construction Services and Resident Inspection. (HEI Project #11-011-74)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Design Services for Chateau Transfer Station Force Main, City of Kenner, LA. This conceptual study involved evaluating alternative alignment routes of a replacement sewer force main from the Chateau Sewer Transfer Station to WWTP No. 3. Alternatives were evaluated based upon hydraulic capacity, construction cost, constructability, and street conditions. The approximate length of the replacement force main is 7,000 feet of 30" diameter pipe. HEI Project #11-011-75

Design of SCIP Project 03561 - Rehabilitate Existing Cooper & Wilbur Lift Station, Jefferson Parish, LA. The contract work consists of construction of new sewer pumping station (including wet well, valve vault, control panel, associated electrical work, and all miscellaneous site work); gravity sewer; demolition of existing lift station and conversion of wet well to sewer manhole; connection to existing 6" force main and restoration of roadway and other disturbed areas. HEI Project #11-014-86

Montrachet Lift Station and Force Main Sewer Capital Improvement Program, Kenner, LA. The work consisted of modifications to the existing Montrachet (LS 4303) sewer lift station and the construction of new 10" diameter sewer force main. The modifications to the existing lift station included the replacement of the then current self-priming motors and pumps with submersible pumps, the construction of a pile supported valve pit, the rehabilitation of the existing wet well, and the installation of a new control panel, fence, and hatch covers. The new 10" diameter sewer force main work included the installation of approximately 2000' of 10" HDPE pipe by directional drilling and also included the tie-in at the improved Montrachet Lift Station valve pit and the tie-in at the wet well of the Vintage and Medoc (LS 4305) Sewer Lift Station. Project activities included Design, Plans and Specifications, Bidding, Construction Management, Record Drawings, and Resident Inspection. HEI Project #11-011-76

Hanson City Area Sewer Lift Station Improvements for LS 4102 (Airline Drive/Minden) St. and LS 4103 (Firehouse/Hanson City), Kenner, LA. Lift Station 4103 (Firehouse Rd.) proposed improvements include installing new pumping equipment and associated controls, piping, electrical work, repairing the roof of the existing building on site, and converting the station to an underground type station. The capacity of LS4103 will be increased from 1,280 GPM maximum (2 pumps running) to 2,000 GPM maximum (2 pumps running, 1 pump stand by). Lift Station 4102 (Airline and Minden) improvements include installing new pumping equipment and associated controls, piping, electrical work, and demolishing the existing building on site. The capacity of LS4102 will be increased from 745 GPM maximum (2 pumps running) to 800 GPM maximum (1 pump running, 1 pump stand by). This project is partially funded by U.S. Department of Housing and Urban Development Community Development Block Grant's Hurricanes Gustav/Ike Disaster Recovery Grant. HEI Project #11-011-77

Provide Professional Service Assistance for WW O&M to the Sewerage Department, City of Kenner, LA. Provided the City of Kenner with assistance for returning all wastewater operations and maintenance functions to a reconstituted Sewerage Department for the specific purpose of providing a more cost effective and more responsive service to the citizens of Kenner. Also improved compliance with regulatory permits for the protection of public health and the environment. HEI Project No. 11-011-82

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

SCIP Project D5714, Sewer Lift Station D6-5 Force Main Improvements, Jefferson Parish, LA. Sewer pump upgrade, force main rerouting, associated electrical work and roadway replacement; Design of the West Napoleon Force Main between David Drive and Transcontinental Drive, generally consisting of the following: approximately 9000 linear feet of 30" sewer force main, with tie-ins to the existing D6-5 sewer lift station and the existing 18" force main at West Napoleon Avenue and Transcontinental Drive. HEI Project #11-014-74

Price Bros. Pipe Evaluation, Jefferson Parish, LA. ***Task 1:*** Prepare route maps based on existing Parish G.I.S. system and computerized hydraulic sewer system model. ***Task 2:*** Investigate the availability of in-place non-destructive methods to evaluate the existing structural condition at the existing network of Price Brothers Precast Concrete Cylinder Pipe (PCCP) Force Mains. ***Task 3:*** Prepare bidding documents for the evaluation of Price Brothers Precast Concrete Cylinder Pipe (PCCP) Force Mains. ***Task 4:*** Provide bidding documents for the repair of Price Brothers Precast Concrete Cylinder Pipe (PCCP) Force Mains identified in Task 3. ***Supplemental:*** Identify/locate air relief valves throughout Council District. No. 4. HEI Project No. 11-014-83

Fairfield Plantation/TPC Wastewater Pump Station and Force Main, West Bank Jefferson Parish, LA. Designed sewage pump station, force main, and influent gravity sewers for the area and TPC Golf Course on Lapalco Boulevard. The project included a duplex, 400-GPM capacity pump station with two above-ground, self-priming, non-clog sewerage pumps, 1100 linear feet of gravity sewers, over 5,500 linear feet of 10" sewer force main, and a wet-tap tie-in to an existing 36" diameter Price Brothers concrete pipe force main, jack and bore highway crossings. HEI Project #11-014-50-60/61

Project No. 11-PS-MS-0026 South Forcemain System Capacity Improvement Project, SFL-C-0003 (Multiple Pump Stations, Burbank Drive – Siegen Lane), Baton Rouge, LA. Project Engineer for 6 Pump Station replacements, 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. HEI Project #12-093-11

Project No. PW 18971 & 19124, St. Bernard Parish Government Sewer Project, Phase II, Area B, St. Bernard, LA. As a result of damages caused by Hurricane Katrina, St. Bernard Parish proposed to clean, televise, and repair their gravity sewer system east of Highway 47 through funding provided by FEMA. HEI conducted Design, Construction Administration, and Resident Inspection Services for this project. HEI was responsible for reviewing sewer evaluation survey results and FEMA recommendations to prepare work directives for the Contractor; and to inspect the work as it was completed. Rehabilitation work to the gravity sewer system consisted of open cut point repairs to damaged portions of gravity mainlines, full gravity line replacement by pipe bursting, house sewer service lateral replacement, and manhole lining and repair/replacement. Additionally, all roadway replacement incidentals required by the sewer repairs were performed as part of this project. As of December 2012, over 50,000 linear feet of gravity sewer and 25,000 square yard of roadway have been repaired. HEI Project #11-025-08

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

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 (LAPELS) has the following information on file:

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

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

Mr. Rolland Anthony Mura

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

Status: Active

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

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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:

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

More than 25 intersections and more than 15 miles of roadways have been improved by the use of better pavement

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

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 were 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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Name & Title:

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

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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

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9643 Brookline Avenue, Suite 121
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Mr. Tony R. Tramel

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

Status: Active

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

David L. Atkins
Designer

Project Assignment:

Roadway Designer

Name of Firm with which associated:

HEI Hartman Engineering, Inc. Consulting Engineers

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:

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).*

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).*

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

David L. Atkins
Designer

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

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

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. HEl-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.

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Sushil K. Jain, P.E.
Structural Engineer

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

576-26-0028 (Phase V) JP Project No. 2010-003-DR, LADOTD – Ave D Drainage Improvements (Westbank Expressway to 6th St.), Jefferson Parish, LA (2010-2012). Design Engineer for the preparation of preliminary and final plans and specifications for drainage and roadway improvements (LADOTD Statewide Flood Control Program). Design includes upgrade of existing drainage structures (which range from 15" to 96" RCP), structural design and detail of large conflict boxes, roadway reconstruction and utility relocation. **HEI Project No. 12-014-76**

576-26-0028 H.003559 (Phase VI) JP Project No. 2012-006-DR, LADOTD – Ave D Drainage Improvements (Ave C, Ave A, Gaudet: Between 6th St. and 8th St.), Jefferson Parish, LA. Design Engineer for the preparation of preliminary and final plans and specifications for drainage and roadway improvements (LADOTD Statewide Flood Control Program). Design includes upgrade of existing drainage structures (which range from 15" to 72" RCP) structural design and detail of large conflict boxes, roadway reconstruction, utility relocations, and temporary traffic control. **(HEI Project No. 12-014-76)**

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 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

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Name & Title:

Sushil K. Jain, P.E.
Structural Engineer

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

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: HEI Project No. 11-023-06

- 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

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

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

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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.

Design of SCIP Project 03561 - Rehabilitate Existing Cooper & Wilbur Lift Station, Jefferson Parish, LA.
The contract work consists of construction of new sewer pumping station (including wet well, valve vault, control panel, associated electrical work, and all miscellaneous site work); gravity sewer; demolition of existing lift station and conversion of wet well to sewer manhole; connection to existing 6" force main and restoration of roadway and other disturbed areas. **(HEI Project No.11-014-86)**

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Name & Title:

Bryan K. Joseph, E.I.
Project Engineer

Hanson City Area Sewer Lift Station Improvements for LS 4102 (Airline Drive/Minden St.) and LS 4103 (Firehouse/Hanson City), TASK 1, Kenner, LA. **Project Engineer:** Lift Station 4103 (Firehouse Rd.) proposed improvements include installing new pumping equipment and associated controls, piping, electrical work, repairing the roof of the existing building on site, and converting the station to an underground type station. The capacity of LS4103 will be increased from 1,280 GPM maximum (2 pumps running) to 2,000 GPM maximum (2 pumps running, 1 pump stand by). Lift Station 4102 (Airline and Minden) improvements include installing new pumping equipment and associated controls, piping, electrical work, and demolishing the existing building on site. The capacity of LS4102 will be increased from 745 GPM maximum (2 pumps running) to 800 GPM maximum (1 pump running, 1 pump stand by). This project is partially funded by U.S. Department of Housing and Urban Development Community Development Block Grant's Hurricanes Gustav/Ike Disaster Recovery Grant. **HEI Project No. 11-011-77**

Hanson City Area Sewer Lift Station Improvements for LS 4103 (Firehouse/Hanson City), TASK 2, Kenner, LA. **Project Engineer:** The work consisted of the replacement of the existing Firehouse Road (4103) lift station asbestos concrete force main with a new 12" I.D. HDPE sewer force main via directional drilling method. The work included the installation of air release valves and two tie-in locations (one at Lift Station 4103 and one at the existing discharge manhole location), all located on Louis Armstrong International Airport (MSY) property. This project is partially funded by U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant's Hurricanes Gustav/Ike (CDBG) Disaster Recovery Grant and Louisiana Department of Environmental Quality Loan. **HEI Project No. 11-011-77A**

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

Project No. PW 18971 & 19124, St. Bernard Parish Government Sewer Project, Phase II, Area B, St. Bernard, LA. As a result of damages caused by Hurricane Katrina, St. Bernard Parish proposed to clean, televise, and repair their gravity sewer system east of Highway 47 through funding provided by FEMA. HEI conducted Design, Construction Administration, and Resident Inspection Services for this project. HEI was responsible for reviewing sewer evaluation survey results and FEMA recommendations to prepare work directives for the Contractor; and to inspect the work as it was completed. Rehabilitation work to the gravity sewer system consisted of open cut point repairs to damaged portions of gravity mainlines, full gravity line replacement by pipe bursting, house sewer service lateral replacement, and manhole lining and

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:

Bryan K. Joseph, E.I.
Project Engineer

repair/replacement. Additionally, all roadway replacement incidentals required by the sewer repairs were performed as part of this project. As of December 2012, over 50,000 linear feet of gravity sewer and 25,000 square yard of roadway have been repaired. **(HEI Project No.11-025-08)**

Project No. 2009-040-DR, Subsurface Improvements to Sena Drive (Phase I & II), Jefferson Parish, LA. Design and construction administration for subsurface drainage improvements between Nero Street and West Esplanade Avenue consisting of gravity line installations watermain replacement, sanitary sewer replacement and the replacement of street, drive approaches and miscellaneous sidewalks. Extreme care had to be given to the existing live oak trees that lined both sides of the street. A professional arborist provided design assistance to the engineer. **(HEI Project #13-014-78)**

Design Services for 35th & Ole Miss Lift Station, Kenner, LA. Project Engineer: This project involved design of 4 submersible pumps in an 8,000 GPM capacity sewer pump station with 2 wet wells, 2 junction boxes, odor control for 2 wet wells and 2 junction boxes, relocation of 7 force mains (6" - 18") and gravity sewer, tie-in to existing 20" sewer force main, and demolition of existing pump station (with property transfer between City and Church). Project activities included Design, Preparation of Plans and Specifications, Construction Services and Resident Inspection. **HEI Project No. 11-011-74**

Design Services for Chateau Transfer Station Force Main, City of Kenner, LA.: *Project Engineer:* This conceptual study involved evaluating alternative alignment routes of a replacement sewer force main from the Chateau Sewer Transfer Station to WWTP No. 3. Alternatives were evaluated based upon hydraulic capacity, construction cost, constructability, and street conditions. The approximate length of the replacement force main is 7,000 feet of 30" diameter pipe. **HEI Project No.11-011-75**

SCIP Project D5714, Sewer Lift Station D6-5 Force Main Improvements, Jefferson Parish, LA. *Project Engineer:* Sewer pump upgrade, force main rerouting, associated electrical work and roadway replacement; Design of the West Napoleon Force Main between David Drive and Transcontinental Drive, generally consisting of the following: approximately 9000 linear feet of 30" sewer force main, with tie-ins to the existing D6-5 sewer lift station and the existing 18" force main at West Napoleon Avenue and Transcontinental Drive. **HEI Project No. 11-014-74**

Design of SCIP Project 03561 - Rehabilitate Existing Cooper & Wilbur Lift Station, Jefferson Parish, LA. *Project Engineer:* The contract work consists of construction of new sewer pumping station (including wet well, valve vault, control panel, associated electrical work, and all miscellaneous site work); gravity sewer; demolition of existing lift station and conversion of wet well to sewer manhole; connection to existing 6" force main and restoration of roadway and other disturbed areas. **HEI Project No. 11-014-86**

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryan K. Joseph, E.I.
Project Engineer

SCIP Project D3123, Rehabilitate Existing Trickling Filters at Harvey Wastewater Treatment Plant, Jefferson Parish, LA. *Project Engineer*: Rehabilitate existing Trickling Filters at the Harvey Wastewater Treatment Plant - remove, clean and repair/replace existing trickling filter media (stacked 'crate' type), remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, inspect, repair and replace existing water supply (hydrant, water line), change existing vents with new SS or Aluminum vents, piping and media support inside filters, remove and exist hand rails, and installation of new LED lighting. **HEI Project No. 11-014-93**

UTL-18-0802, Hwy 42 Gravity Sewer Improvements (Cully Broussard Road to Harbor Lane), Ascension Parish, LA.: *Project Engineer:* 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. HEl-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**

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

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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 (LAPELS) has the following information on file:

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

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Mr. Bryan Keith Joseph

License/Certificate Type - Number	Expiration Date
EI.0020836	09/30/2023

Status: Active

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TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

Project Assignment:

Project Engineer

Name of Firm with which associated:

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.

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

Ascension Parish East Bank Sewer Consolidation, Ascension Parish, LA: The proposed East Bank planning area includes the service areas of the Hwy 42 and Hwy 73 LDOTD construction projects. The development of potential alternatives had to include a collection and transport system that featured utilization and consolidation of Parish sewerage system assets installed as part of these two LDOTD projects, as well as provide wastewater treatment for flows from this consolidated network. The proposed system would link these assets via a new mainline collection system, transporting flows to a regional wastewater treatment facility (10 MGD) for treatment and discharge into the Mississippi River. This proposed system begins the formation of a Parish-wide municipal sewerage system. HEI Project No.

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

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

DPW FEMA No. 21032, Contract No. 1271, MK19-788, Project No. 2019-RR143, RR143 Pontchartrain Park Group D (FRC), New Orleans, LA. Provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks,

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

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

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 (LAPELS) has the following information on file:

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

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Mr. Connor Guidry

License/Certificate Type - Number	Expiration Date
EI.0033801	03/31/2023

Status: Active

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

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

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

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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 (LAPELS) has the following information on file:

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

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Ms. Madeline M. Bourgeois

License/Certificate Type - Number	Expiration Date
EI.0034782	09/30/2023

Status: Active

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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.

Design Services for 35th & Ole Miss Lift Station, Kenner, LA.: Project Manager & QA/QC for: This project involved design of 4 submersible pumps in an 8,000 GPM capacity sewer pump station with 2 wet wells, 2 junction boxes, odor control for 2 wet wells and 2 junction boxes, relocation of 7 force mains (6" - 18") and gravity sewer, tie-in to existing 20" sewer force main, and demolition of existing pump station (with property transfer between City and Church). Project activities included Design, Preparation of Plans and Specifications, Construction Services and Resident Inspection. HEI Project No. 11-011-74

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

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

(City/Parish DPW Project No. 09-GS-UF-008), Sanitary Sewer Overflow (SSO) 25th – North Acadian, CGN-C-0002, Baton Rouge, LA. Mr. Urquhart provided CAD services and support; the project involved sanitary sewer overflow upgrades which included the design and installation of approximately 13,000 linear feet of gravity sewer with diameters of 15" through 24". Project included LADOTD and C.N. Railroad permitting. Of particular note, design was 100% Complete within 7 months (including Survey and Geotech) of Notice to Proceed due to the request of City/Parish. (HEI Project #12-093-09)

PW Project No. 07-PS-BD-0018, Sanitary Sewer System Upgrades (Multiple Pump Stations - Lovett Road Area), North Service Area NFE-C-0002, Baton Rouge, LA. Mr. Urquhart provided CAD services and support for the design of sewer gravity and force mains. Replacement of three pump stations. (HEI Project #12-093-07)

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

City/Parish DPW Project No. 09-PS-MS-0034, Sanitary Sewer System Upgrades Booster Pump Station 514 Improvements, Baton Rouge, LA. Mr. Urquhart provided CAD services and support for the civil site layout for the 77 MGD Overflow Pump Station (514), HEI was a Sub-consultant to GEC on this project and design is 100% complete. (HEI Project #12-093-10)

South Beech Street Pump Station & Force Main Upgrade, Picayune, MS. As part of EPA Region 4 SPAP grant for wastewater infrastructure improvements, Mr. Urquhart provided CAD services and support for preliminary and final engineering plans and specifications pump station and force main system upgrade. Improvements included installation of new pumps for 1520 GPM pump station capacity and new 8" parallel force main for existing collection system. (HEI Project #21-019-04)

PW Project No. 2009-039-DR, Hillings Ditch/Sauve Road Drainage Improvements, Jefferson Parish, LA. Mr. Urquhart provided CAD services and support for the design of drainage project including storm water pump station (40 CFS (25.85 MGD) capacity), 1,200 linear feet of 36" force main and 1,200 linear feet of 30" force main and miscellaneous gravity storm sewers. This project provided a direct discharge to the Mississippi River.HEI Project #13-014-77

Project No. 11-PS-MS-0026, City of Baton Rouge Sewer Program, (Multiple Pump Stations, Burbank Drive – Siegen Lane) SFL-C-0003, Baton Rouge, LA. 6 Pump Station replacements, 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. (HEI Project #12-093-11)

DPW Project No. 13-TP-MS-0047, North Wastewater Treatment Plant Master Plan Plant Improvements Project, Baton Rouge, LA. Mr. Urquhart provided CAD services and support for the design of this project to include coordinating a proposed improvements master plant layout, design and layout of various types of yard piping,

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

proposed potable water facilities, drainage analysis and design, grading, geometric roadway and pavement designs, striping and traffic control, and erosion control. Interdisciplinary coordination efforts and various permit requirements and application preparations (USACE wetlands, DHH, DEQ, Pontchartrain Levee District, CPRA, etc.), are also part of HEI responsibilities for this project. HEI is a Sub-consultant to CDM-Smith on this project, and design is 90% complete. (HEI Project #12-093-12)

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

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

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:
Reserve Wastewater Treatment Plant (St. John the Baptist Parish Wastewater Retention Pond Conversion to Wastewater Oxidation Treatment Pond"), **St. John the Baptist Parish, LA** **HEI Project No. 11-023-06** *Owner:* **St. John the Baptist Parish** 1801 W. Airline Hwy. LaPlace, LA 70068 *Prime Consultant:* **Environmental Engineering Services, Inc. (EES)** 610 Belle Terre Blvd. LaPlace, LA 70068 *Project Manager:* **Oscar J. Boudreaux, Jr., P.E** 985-653-0185 oboudreaux@eesinc.net **% 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) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Connor D. Guidry E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer)	 HEI was sub-consultant to EES (Oscar Boudreaux, P.E.) for the conversion of the Reserve WW retention pond to a 3.0 MGD Aerated Lagoon. HEI designed the following portions of the Lagoon: Effluent Pump Station and Force Main, Pipeline Levee Crossing and all Structural Components including Lagoon foundation, Headworks, Pipe S, Chlorine Building foundation and Effluent Pump Station piping. Coordinated all Geotechnical aspects of the project. HEI also provided all permitting services for DEQ and LDHH approvals. Project involved converting a wastewater detention pond into a 3.0 MGD wastewater aerated lagoon. HEI was responsible for all environmental permitting for USACE, Ponchartrain Levee District, CPRA and Coast Guard. Wetland Delineation was also provided. HEI responsibilities included: • WWTP/Structural • Pump Station/Structural • Effluent Pump Station/Civil & Mechanical • Effluent Force Main/Civil & Mechanical • Permitting – WW Discharge, LDEQ • Permitting – Levee Crossing & Coastal Zone, COE & LDNR • Effluent Levee Crossing

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was responsible:**
Start Date: May 2015 **End Date:** October 2015	$9,000,00 (Construction)	$ (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. 2

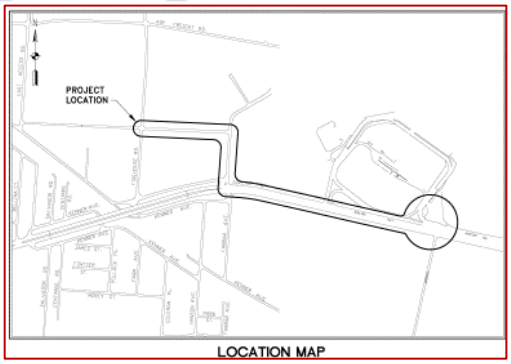
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Hanson City Area Sewer Lift Station Improvements for LS 4102 (Airline Drive/Minden St.) and LS 4103 (Firehouse/Hanson City), Kenner, LA City of Kenner Dep. of Public Works 1905 24th Street Kenner, LA 70062 Laney P. Rivera, P.E. 504-468-6129 lrivera@deii.net % of work Performed in LA: 100% Firm's Responsibility: Prime Key Staff on Project: • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Stephen F. Urquhart (CAD Designer)	 Lift Station 4103 (Firehouse Rd.) proposed improvements include installing new pumping equipment and associated controls, piping, electrical work, repairing the roof of the existing building on site, and converting the station to an underground type station. The capacity of LS4103 will be increased from 1,280 GPM maximum (2 pumps running) to 2,000 GPM maximum (2 pumps running, 1 pump stand by). Lift Station 4102 (Airline and Minden) improvements include installing new pumping equipment and associated controls, piping, electrical work, and demolishing the existing building on site. The capacity of LS4102 will be increased from 745 GPM maximum (2 pumps running) to 800 GPM maximum (1 pump running, 1 pump stand by). This project is partially funded by U.S. Department of Housing and Urban Development Community Development Block Grant's Hurricanes Gustav/Ike Disaster Recovery Grant. **HEI Project #11-011-77**

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was responsible:**
Start Date: 2014 (Actual) End Date: 2016 (Actual)	$865 (Construction)	$187 (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. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Hanson City Area Sewer Lift Station Improvements for LS 4103 (Firehouse/Hanson City) Force Main, Kenner, LA City of Kenner Dep. of Public Works 1905 24th Street Kenner, LA 70062 Laney P. Rivera, P.E. 504-838-6009 lrivera@deii.net % of work Performed in LA: 100% Firm's Responsibility: Prime Key Staff on Project: • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Stephen F. Urquhart (CAD Designer)	The proposed work consists of the replacement of the existing Firehouse Road (4103) lift station asbestos concrete force main with a new 12" I.D. HDPE sewer force main via directional drilling method. The work shall include the installation of air release valves and two tie-in locations (one at Lift Station 4103 and one at the existing discharge manhole location), all located within close proximity to Louis Armstrong International Airport (MSY). This project is partially funded by U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant's Hurricanes Gustav/Ike (CDBG) Disaster Recovery Grant. HEI Project #11-011-77A    LOCATION MAP

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was responsible:**
Start Date: 2014 End Date: 2020 (Estimated)	$863 (Estimated)	$108

TEC Professional Services Questionnaire

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

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:

Design Services for
35th &
Ole Miss Lift Station,
Kenner, LA

City of Kenner
Dept. of Public Works
1905 24th Street
Kenner, LA 70062

Laney P. Rivera, P.E.
504-468-6129
lrivera@deii.net

% of work Performed in LA: 100%

Firm's Responsibility: Prime

Key Staff on Project:
- Jared B. Monceaux, P.E. (Project Manager & QA/QC)
- Rolland A. Mura, P.E. (Senior Project Engineer)
- Bryan K. Joseph, E.I. (Project/Construction Engineer)
- Stephen F. Urquhart (CAD Designer)

This project involved design of 4 submersible pumps in an 8,000 GPM capacity sewer pump station with 2 wet wells, 2 junction boxes, odor control for 2 wet wells and 2 junction boxes, relocation of 7 force mains (6" - 18") and gravity sewer, tie-in to existing 20" sewer force main, and demolition of existing pump station (with property transfer between City and Church). Project activities include design, preparation of plans and specifications, construction services and resident inspection.

HEI Project #11-011-74

Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was responsible:
Start Date:	End Date:		
2009	2009 (Design)	$2,100 (Construction)	$139 (Fee)
2011	2012 (Construction)		

TEC Professional Services Questionnaire

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

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Chateau Transfer Station Force Main, Alternative Alignment Study/Design Kenner, LA City of Kenner Dept. of Public Works 1905 24th Street Kenner, LA 70062 Thomas M. Schreiner, P.E. 504-468-6129 tschreiner@kenner.la.us **% of work Performed in LA:** 100% **Firm's Responsibility**: Prime **Key Staff on Project:** • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Bryan K. Joseph, E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer)	   This conceptual study involved evaluating alternative alignment routes of a replacement sewer force main from the Chateau Sewer Transfer Station to WWTP No. 3. Alternatives were evaluated based upon hydraulic capacity, construction cost, constructability, and street conditions. The approximate length of the replacement force main is 7,000 LF of 30" diameter pipe. Subsequently the project was broken into three portions for design with HEI designing 3,000 LF of the force main. **HEI Project #11-011-75**

Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	**Work for which Firm was responsible:**
Start Date: 2009 2013	End Date: 2009 (Study) 2020 (Construction)	$7,000 (Construction)	$57 (Fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
SCIP Project D5714, **Sewer Lift Station D6-5** **Force Main Improvements,** **Jefferson Parish, LA** Jefferson Parish SCIP 1221 Elmwood Park Blvd. Jefferson, LA 70123 Neil Schneider, P.E. 504-736-6833 nschneider@jeffparish.net **% of work Performed in LA:** 100% **Firm's Responsibility:** Prime **Key Staff on Project:** • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Danielle B. Connelly, P.E. (Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Stephen F. Urquhart (CAD Designer)	   Sewer pump upgrade, force main rerouting, associated electrical work and roadway replacement; Design of the West Napoleon Force Main between David Drive and Transcontinental Drive, generally consisting of the following: approximately 9000 linear feet of 30" sewer force main, with tie-ins to the existing D6-5 sewer lift station and the existing 18" force main at West Napoleon Avenue and Transcontinental Drive. (HEI Project #11-014-74)

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was Responsible:**
Start Date: 2009 End Date: 2012	$2.589 (Construction)	100%

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:
Design of SCIP Project D2131 - Rehabilitate Existing Trickling Filters at Marrero Wastewater Treatment Plant, **Jefferson Parish, LA** (HEI Project #11-014-85) *Owner:* **Jefferson Parish** Dept. of Capital Projects 1221 Elmwood Park Blvd., Jefferson, LA 70123 *Project Manager:* **Sid Trouard, P.E.** 504-736-6386 strouard@jeffparish.net **% of work Performed in LA**: 100% **Firm's Responsibility:** Prime **Key Staff on Project:** • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Danielle B. Connelly, P.E. (Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Stephen F. Urquhart (CAD Designer)	  **Project 1:** Rehabilitate existing Trickling Filters at the Marrero Wastewater Treatment Plant - remove, clean and repair/replace existing trickling filter media, remove, remove and replace all influent and effluent sluice gates (new gates to have electric actuators), clean repair/replace existing geodetic dome covers over both trickling filter units, inspect, repair and coat existing concrete surface, change existing vents, piping and media support inside filters, remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, investigate if the existing electrical items in the trickling filter control room is above 100 Year BFE and all related incidental work.   **Project 2**: Remove and replace vertical turbine recirculation pumps, motors and valves, blast and paint recirculation piping, redo all electrical control panels, motor control centers and other electrical items in the trickling filter electrical room, new electrical equipment building (pile supported, flat roof, window AC) constructed to conform to 100 years BFE requirement, mob/demob and all related incidental work.

Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	**Work for which Firm was responsible:**
Start Date: 2013 2014	**End Date:** Project 1 - 2015 Project 2 – 2017	Projects 1 & 2 $3,800 (Construction)	Project 1 – 90% Project 2 – 75% $163 (Design)

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:
Design of SCIP Project D3561 - Rehabilitate Existing Cooper & Wilbur Lift Station, Jefferson Parish, LA Jefferson Parish Dept. of Capital Projects 1221 Elmwood Park Blvd., Suite 906, Jefferson, LA 70123 Sid Trouard, P.E. 504-736-6386 strouard@jeffparish.net **% of work Performed in LA:** 100% **Firm's Responsibility:** Prime **Key Staff on Project:** • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Danielle B. Connelly, P.E. (Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Stephen F. Urquhart (CAD Designer)	   The contract work consists of construction of new sewer pumping station (including wet well, valve vault, control panel, associated electrical work, and all miscellaneous site work); gravity sewer; demolition of existing lift station and conversion of wet well to sewer manhole; connection to existing 6" force main and restoration of roadway and other disturbed areas. (HEI Project #11-014-86)

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was responsible:**
Start Date: 2014 End Date: 2015 Design 2016 Construction	$677 (Construction)	$155 (Fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 9

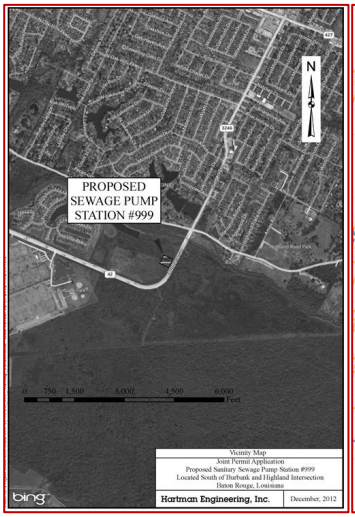
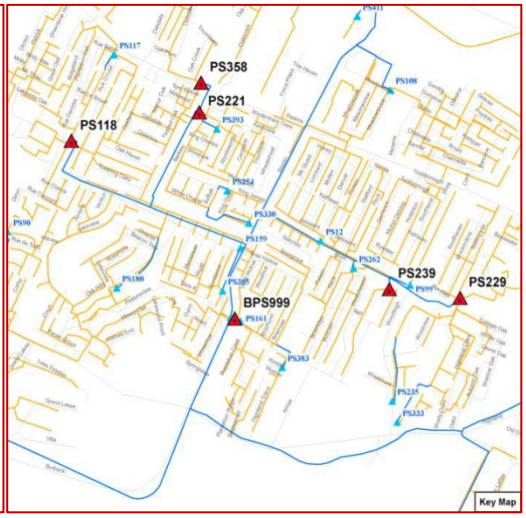
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
Design of SCIP Project D3123, Rehabilitate Existing Trickling Filters at Harvey Wastewater Treatment Plant, Jefferson Parish, LA Jefferson Parish Dept. of Capital Projects 1221 Elmwood Park Blvd., Suite 906, Jefferson, LA 70123 Sid Trouard, P.E. 504-736-6386 strouard@jeffparish.net **% of work Performed in LA:** 100% **Firm's Responsibility:** Prime **Key Staff on Project:** • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Danielle B. Connelly, P.E. (Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Stephen F. Urquhart (CAD Designer)	   Rehabilitate existing Trickling Filters at the Harvey Wastewater Treatment Plant - remove, clean and repair/replace existing trickling filter media (stacked 'crate' type), remove existing rotary distribution systems and replace with new stainless steel rotary distribution systems, inspect, repair and replace existing water supply (hydrant, water line), change existing vents with new SS or Aluminum vents, piping and media support inside filters, remove and exist hand rails, and installation of new LED lighting. (HEI Project #11-014-93)

Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was responsible:
Start Date: 2017	End Date: 2020 Design (Est.) 2021 Construction (Est.)	$2,641 (Fee)	100%

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

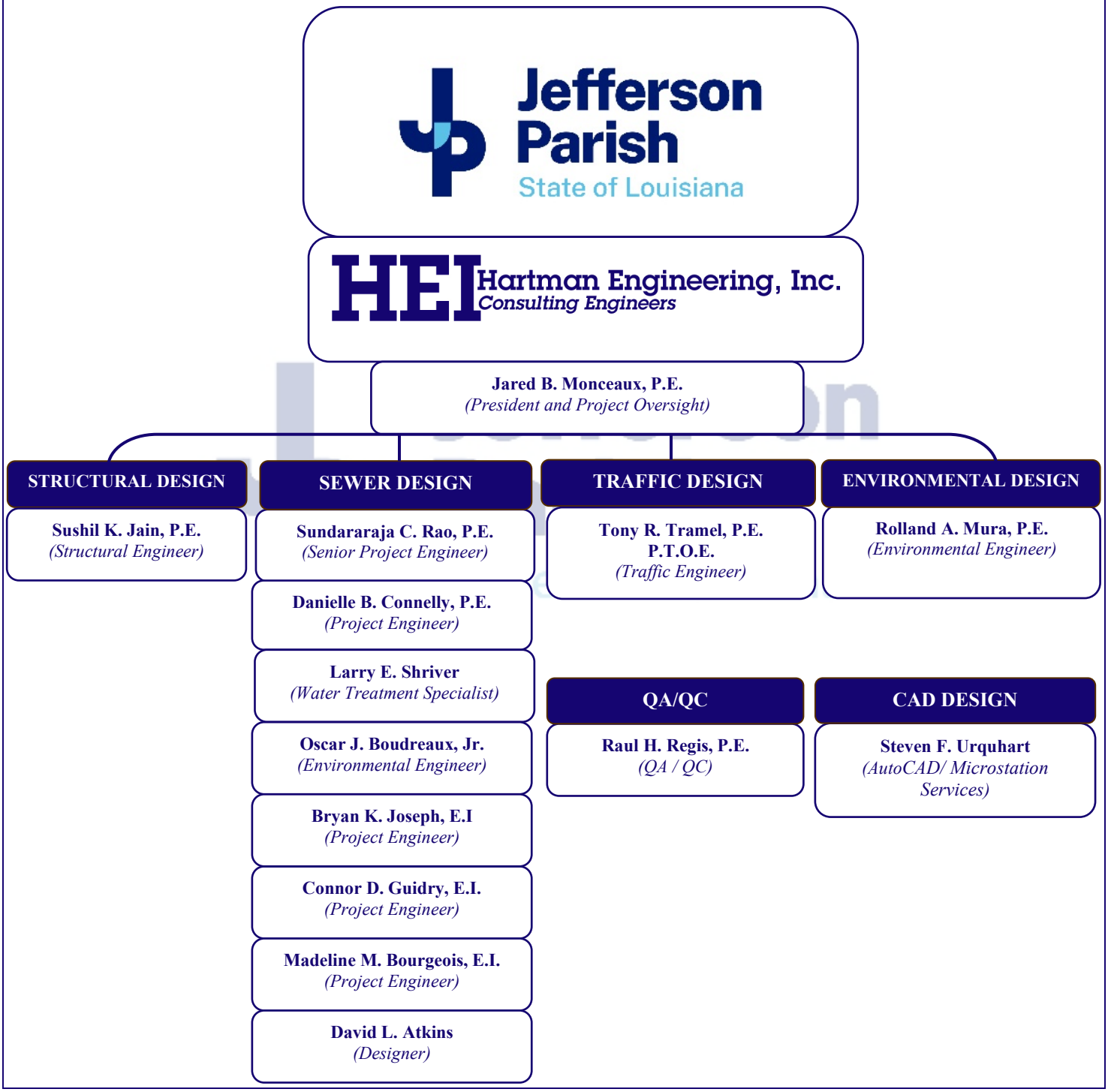
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
SFL-C-0003, **Project No. 11-PS-MS-0026,** **City of Baton Rouge Sewer Program,** **(Multiple Pump Stations,** **Burbank Drive – Siegen Lane)** East Baton Rouge Parish DPW P.O. Box 1471 Baton Rouge, LA 70821 Adam Smith 225-389-5623 x315 asmith@brgov.com **% of work Performed in LA:** 100% **Firm's Responsibility:** Prime **Key Staff on Project:** • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Rolland A. Mura, P.E. (Senior Project Engineer) • Danielle B. Connelly, P.E. (Project Engineer) • Stephen F. Urquhart (CAD Designer)	  As part of East Baton Rouge Parish on-going compliance order, 6 Pump Station, ranging from 0.5 to 12.5 million gallons per day (MGD) (150 – 9,000 GPM) were proposed for replacement. Project includes replacement the rehab of one (peak design flow 23GPM) of the six stations and completely new booster station (8,536 GPM). In addition to design, HEI performed ASTM Phase I Environmental Site Assessment for sites for two proposed sanitary sewer lift stations. (HEI Project #12-093-11)

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was responsible:**
Start Date: 2011 End Date: 2013 Design 2017 Construction	$1,500 (Fee) $10,000 (Const.)	$1,100 (Fee)

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

3. LOCATION OF THE PRINCIPAL OFFICE (15 points)

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

4. LITIGATION (15 points)

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

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

HEI has successfully completed many projects for Jefferson Parish in its more than thirty-year tenure including all aspects of planning, design, and construction for 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.

Mark Drewes, P.E., Dir. of Public Works Jefferson Parish 1221 Elmwood Park Blvd., Ste. 904 Jefferson, LA 70123 504-736-6783	**Neil Schneider, P.E., Dir. of Capital Projects** Jefferson Parish 1221 Elmwood Park Blvd., Ste. 906 Jefferson, LA 70123 504-736-6833	**Mike Lockwood, MSPH, Dir. of Sewerage** Jefferson Parish 1221 Elmwood Park Blvd., Ste. 803 Jefferson, LA 70123 504-736-6661
Jackie Baumann, P.E., City Engineer, City of Gonzales 120 S. Irma Blvd. Gonzales, LA 70737 225- 647-9589	**Melissa LeBas, P.E., Urban Systems Project Mgr.** LaDOTD 1201 Capital Access Road, Room S-616 Baton Rouge, LA. 70802 225-379-1046	**Tom Schreiner, Deputy CAO Public Works and Capital Projects for City of Kenner** 1610 Reverend Richard Wilson Drive Kenner, LA 70062 504-468-7515
Ryan Foster, P.E., Project Engineer Orleans Levee District 6920 Franklin Ave. New Orleans, LA 70122 504-286-3100	**Joan M. Exnicios, Chief of Planning** US Army Corps of Engineers, N.O. District P.O. Box 60267 New Orleans, LA 70160 504-862-1760	**Jason LaCombe, P.E., Assistant Road Design** Engineer Administrator, LADOTD 1201 Capitol Access Rd. Baton Rouge, LA 70802 225-379-1046
Ignacio Harrouch, P.E., Chief of Construction Coastal Protection Restoration Authority P.O. Box 44027 Baton Rouge, LA 70804 225-342-4501		**Ron Savoy, Drainage Director** East Ascension Drainage District 42077 Churchpoint Rd. Gonzales, LA 70737 225-621-5737

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:

• *Project Scope*	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.
• *Project Schedule*	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.
• *Project Budget*	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.
• *Quality Control/Quality Assurance*	QC/QA comprises an integral part of our design and project management process. Our QC/QA process is summarized as follows:
• *General*	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.
• *Check*	All computations, calculations, and drawings shall be checked by a competent qualified member of the team other than the originator and so marked.
• *Peer Review*	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.
• *Executive Review*	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.
• *Owner/ President Review*	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.

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 25, 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

May 31, 2017

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

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

Dear Mr. Monceaux:

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

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

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

Sincerely,

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

CC: Mayor Barney Arceneaux

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

REPLY TO
ATTENTION OF

February 10, 2012

Engineering Division
Control Branch

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

Dear Mr. Sneed:

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

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

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

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

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

ESSAYONS!

Sincerely,

WALTER O. BAUMY 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

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

US Army Corps of Engineers ®
New Orleans District

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

REPLY TO
ATTENTION OF

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,

Joan M. Exnicios

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

LOUISIANA ECONOMIC DEVELOPMENT

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

Stephanie Hartman,
Director, Entrepreneurial Services

LOUISIANA ECONOMIC DEVELOPMENT

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

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

HEI Hartman Engineering, Inc.
Consulting Engineers

527 West Esplanade Avenue, Suite 300 • Kenner, Louisiana 70065
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mail@harteng.com

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