

Hartman Engineering, Inc.

Consulting Engineers

March 31, 2022

To:



**Subject: Provide Routine Engineering Services for WATER PROJECTS
in Jefferson Parish for a two-year period.
Resolution No. 138809
Response to Request for Statement of Qualifications**

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

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

Sincerely,
Hartman Engineering, Inc.

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

Jared B. Monceaux, P.E.
President

JBM/am

Enclosures

**Jefferson Parish
TEC Professional Services Questionnaire
Resolution No. 138809**



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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

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

Resolution No. 138809

B. Firm Name & Address:



**527 West Esplanade Avenue, Suite 300
Kenner, Louisiana 70065**

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

Jared B. Monceaux, P.E., President • LA License No. 32202 (2006)
jmonceaux@harteng.com
225-313-4617 • 225-313-6127 fax

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

Jared B. Monceaux, P.E., President • LA License No. 32202 (2006)
jmonceaux@harteng.com
225-313-4617 • 225-313-6127 fax

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

2	Administrative		Estimators		Specification Writers
	Architects (Licensed)		Geologists	1	Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
4	Civil Engineers		Interior Designers		Project Managers
2	Construction Inspectors		Landscape Architects		Clerical
	Ecologists		Land Surveyor		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
3	Engineer Intern	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.

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Jared B. Monceaux, P.E.
President

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

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

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

USACE Section 219 Program STAG Grant Environmental Information Document and Environmental Infrastructure Program Management USACE No. W912P8-04-D-0005, Ascension Parish, LA: HEI provided professional engineering services to the Corps of Engineers, New Orleans District for program management of the Corps' Environmental Infrastructure Program for Ascension Parish, LA. The work was part of the Corps' Section 219 Program and included assisting the New Orleans District in facilitating and coordinating needed water and wastewater projects in the Parish, including the Parish EPA STAG grant and Community Development Block grants and the area wide wastewater projects on the east bank. HEI services included interfacing with Parish officials, project engineering firms, and federal and state agencies. Specific projects involved included the following: ACUD No. 1 Water Distribution System Improvements; Hillaryville Community Wastewater Improvements; Darrow Sanitary Sewer System Project Cost Shortfall; Wastewater Planning and Tie-in of the Ascension Parish Jail to the City of Donaldsonville Wastewater Treatment Plant (WWTP); Design of the Ascension Parish regional WWTP; Planning for Livingston water supplies to serve Ascension Parish residents; Facilities Plan Review. (HEI Project No. 11-095-01-102)

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Jared B. Monceaux, P.E.
President

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

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

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

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

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

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)

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

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.

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

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

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

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Jared Blayne Monceaux	
License/Certificate Type - Number	Expiration Date
PE.0032202	03/31/2024
Status: Active	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>L.A.R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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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:



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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Name & Title:

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

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

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2007-070-WR, Grand Isle Waterline Improvement, Grand Isle, LA. Design of approximately 7500 feet of new, 12-inch, C-900 waterline from Ludwig Lane and LA 1 to Admiral Craig and Pirates Cove Marina Road, determine whether existing roadway servitudes are adequate to construct the line, taking into consideration above and below ground pipelines and other features within and/or crossing the servitudes, and responsible for integrating the waterline design with such pipelines and features and coordinate the effort with local property and pipeline owners as needed. (HEI Project No. 12-014-72)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer

Water Utility System Due Diligence Review and Evaluation (People's Water System), Ascension Parish, LA

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

Utilities General Engineering and Technical Support Services – Task Order No. 1 – SCADA (UTL-17-002)

Ascension, LA HEI is providing services for the SCADA system upgrades for PUA and ACUD #1 System Sites, including the Palo Alto Water Tower, the GST, RW Intake, and EST. Services include Design, Bidding, and Construction Administration. (HEI Project No. 12-031-12)

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)

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

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

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

Harahan Pump to the River, DPW Project No. 2001-046F-DR(SELA), Jefferson Parish, LA. This is a unique project in terms of complexity, administration, design, and rights of way to relieve chronic flooding in southeastern portion of east bank of Jefferson Parish via Southeast Louisiana Urban Flood Control Project (SELA), of the COE: A 700' 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)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Danielle B. Connelly, P.E.
Project Engineer



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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



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

Mrs. Danielle Bordelon Connelly

License/Certificate Type - Number	Expiration Date
PE.0036284	09/30/2023

Status: Active

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

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TEC Professional Services Questionnaire

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

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

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

Project Assignment:

Environmental Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

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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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.

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

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

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

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

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

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

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

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PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Peavey Grain Elevator, Gramercy, Louisiana – Stormwater Treatment Plant
Keegan Bayou, Biloxi, MS – Wastewater Treatment Plant (Sludge)
Violet, St. Bernard Parish, Louisiana – Wastewater Treatment Plant (Sludge)
Greenleaves Utility Company, Mandeville, Louisiana – Wastewater Treatment Plant
Colonial Sugars, Gramercy, Louisiana – Wastewater Treatment Plant
Abita Beer, Mandeville, Louisiana – Wastewater Treatment Plant
Alliance Compressor Mfr., Natchitoches, Louisiana – Pre-Treatment Wastewater Plan

CONSULTED WITH OR SERVED AS TECHNICAL ADVISOR *

City of Hammond, Louisiana – Wastewater Treatment Plant
Town of Jena, Louisiana – Wastewater Treatment Plant
Indian River Development, Florida – Wastewater Treatment Plant
Town of Berthoud, Colorado – Wastewater Treatment Plant
Town of Eunice, Louisiana – Wastewater Treatment Plant
City of Jackson, MS – Wastewater Treatment Plant
City of Trenton, Georgia – Wastewater Treatment Plant
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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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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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
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Mr. Oscar James Boudreaux Jr.

<small>License/Certificate Type - Number</small>	<small>Expiration Date</small>
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:



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

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

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

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 collect 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 to 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 manufacturers 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.

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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.

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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.

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

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

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

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

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

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

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

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 overflows (SSOs). Detailed field investigation of nearly 5,000 manholes and 225 plus pump stations were

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

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

Harahan Pump to the River, DPW Project No. 2001-046F-DR(SELA), Jefferson Parish, LA.

This is a unique project in terms of complexity, administration, design, and rights of way to relieve chronic flooding in southeastern portion of east bank of Jefferson Parish via Southeast Louisiana Urban Flood Control Project (SELA), of the COE: A 700 ft long Suction canal; a 1,200 cfs pumping station; Three 9,000 ft long 84 inch diameter discharge piping to the Mississippi River levee, Reinforced concrete levee crossing of discharge pipes; Reinforced concrete discharge basin in Mississippi River; coordination with local community, regulatory agencies and DOTD regarding a very old oak tree (the Old Dickory); and relocation of several high tension electrical transmission towers. Project involved Detailed Design, construction documents (Plans and Specifications), cost estimate,

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Name & Title:

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

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

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

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

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

Subsurface Improvements to Sena Drive (Phase I & II), Project No. 2009-040-DR, 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 No. 13-014-78)

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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



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

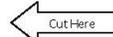
Mr. Rolland Anthony Mura

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

Status: **Active**

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

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TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Hydraulics Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

15 (2007)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Year First Registered: 1978

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

Other experiences and qualifications relevant to the proposed Project:

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

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

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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 a 16-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.

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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)



Jefferson
Parish
State of Louisiana

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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



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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Raul H. Regis, P.E.
Project Engineer

Project Assignment:

QA/QC Engineer

Name of Firm with which associated:



Years’ experience with this Firm:

5 (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 (LPELS) has the following information on file:

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

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

Mr. Raul H. Regis

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

Status: Active

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

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

Project Assignment:

Lead Traffic Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years' experience with this Firm:

8 (2014)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experiences and qualifications relevant to the proposed Project:

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

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

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

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

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

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

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

RELATED PROJECTS:

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

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

SPN H.003920, FAP H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place) Ascension Parish, LA (2015-On Going) Design of a traditional shaped dual lane 5 legged roundabout at the intersection of LA 20 and Jackson St. in Thibodeaux, LA. The proposed roundabout shall branch from LA 20 into Canal Boulevard and Jackson St., also connecting Back St. and Thompson Place at the east and west approaches. Design conforms to EDSM V1.11.6., and current 2017 roadway design guidelines. HEI Project No. 12-092-09

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

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

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

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

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

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

Other Experience and Qualifications for Mr. Tramel:

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

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



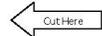
LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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



 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Tony R. Tramel	
License/Certificate Type - Number	Expiration Date
PE.0019268	09/30/2022
Status: Active	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>L.A.R. 5: 37-689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	



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

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TEC Professional Services Questionnaire

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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

David L. Atkins
Designer

Project Assignment:

Roadway Designer

Name of Firm with which associated:



Years’ experience with this Firm:

7 (2015)

Education: Degree(s)/Year/Specialization:

N/A

Active registration: Year first registered/discipline:

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

Other experiences and qualifications relevant to the proposed Project:

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

HIS EXPERIENCE IS AS FOLLOWS:

Sewer and Water Experience

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

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

David L. Atkins
Designer

UTL-17-002, Task Order No. HEI-19-003, LA HWY 42 – LA HWY 73 Roadway Corridor (Project Area PI-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

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

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

Drainage and Erosion Control Experience

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

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

Road and Bridge Experience

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

Airport Experience

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

TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

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

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:

Sushil K. Jain, P.E.
Structural 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 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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT

Name & Title:

Sushil K. Jain, P.E.
Structural Engineer

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

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

TEC Professional Services Questionnaire

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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:

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.

- Completed "Introduction to ArcGIS I" ESRI certification (2008)

Water Utility System Due Diligence Review and Evaluation (People's Water System), Ascension Parish, LA

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryan K. Joseph, E.I.
Project Engineer

Waterline Replacement Program, West Riverside, PW#20667, New Orleans, LA. The purpose of this Project is to replace water lines on the East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement is based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed will be coordinated with the City of New Orleans street restoration program, submerged roads program, ongoing Board projects for water point repairs, sewer repair and replacement projects. 976 linear feet of watermain to be replaced in the West Riverside neighborhood. The Scope of Work is: Design of water line recommended for replacement, including preparation of a preliminary design report (30%), final design plans and specifications (90%), and contract documents for bidding in accordance with Board standards. Develop opinion of probable construction cost. Design may also include street repair and restoration efforts, replacement of drainage and sewer systems in accordance with City, Federal DOT and Board standards, respectively; Bid Services; and Engineering Services during construction including inspection.

(HEI Project No. 11-016-04-67)

Waterline Replacement Program, Audubon, PW#20679, New Orleans, LA. The purpose of this Project is to replace water lines on the East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement is based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed will be coordinated with the City of New Orleans street restoration program, submerged roads program, ongoing Board projects for water point repairs, sewer repair and replacement projects. 8,263 linear feet of watermain to be replaced in the Audubon neighborhood. The Scope of Work is: Design of water line recommended for replacement, including preparation of a preliminary design report (30%), final design plans and specifications (90%), and contract documents for bidding in accordance with Board standards. Develop opinion of probable construction cost. Design may also include street repair and restoration efforts, replacement of drainage and sewer systems in accordance with City, Federal DOT and Board standards, respectively; Bid Services; and Engineering Services during construction including inspection.

(HEI Project No. 11-016-04-79)

Waterline Replacement Program, Uptown, PW#20683, New Orleans, LA. The purpose of this Project is to replace water lines on the East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement is based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed will be coordinated with the City of New Orleans street restoration program, submerged roads program, ongoing Board projects for water point repairs, sewer repair and replacement projects. 4,430 linear feet of watermain to be replaced in the Uptown neighborhood. The Scope of Work is: Design of water line recommended for replacement, including preparation of a preliminary design report (30%), final design plans and specifications (90%), and contract documents for bidding in accordance with Board standards. Develop opinion of probable construction cost. Design may also include street repair and restoration efforts, replacement of drainage and sewer systems in accordance with City, Federal DOT and Board standards, respectively; Bid Services; and Engineering Services during construction including inspection.

(HEI Project No. 11-016-04-83)

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

DPW Project No. 2017-RR189, PW7120355; K17-420, RR189 Village De L'est 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. 11-076-08)

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. 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)

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)

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



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



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

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

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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

Project Assignment:

Project Engineer

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years’ experience with this Firm:

5 (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

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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Connor D. Guidry, E.I.
Project Engineer

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 Ave
Baton Rouge, LA 70817

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

Mr. Connor Guidry

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

Status: Active

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TEC Professional Services Questionnaire

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Madeline M. Bourgeois, E.I.
Project Engineer

Project Assignment:

Project Design

Name of Firm with which associated:

HEI Hartman Engineering, Inc.
Consulting Engineers

Years’ experience with this Firm:

1 (2021)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Active Registration: Year First Registered: 2021
Discipline: Engineer Intern State: Louisiana License No.: EI34782

Other experiences and qualifications relevant to the proposed Project:

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

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Madeline M. Bourgeois, E.I.
Project Engineer

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

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



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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Madeline M. Bourgeois, E.I.
Project Engineer



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/16/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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



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

Ms. Madeline M. Bourgeois

<small>License/Certificate Type - Number</small>	<small>Expiration Date</small>
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:



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.

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

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

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Stephen F. Urquhart
Civil/CAD Technician

DPW Project No. 2017-RR189, PW7120355; K17-420, RR189 Village De L'est Group C (FRC), New Orleans,

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

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

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

Water Utility System Due Diligence Review and Evaluation (People's Water System), Ascension Parish, LA:

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

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

DPW Project No. 2001-046F-DR(SELA), Harahan Pump to the River, Jefferson Parish, LA. This is a unique project in terms of complexity, administration, design, and rights of way to relieve chronic flooding in southeastern portion of east bank of Jefferson Parish via Southeast Louisiana Urban Flood Control Project (SELA), of the COE: A 700' long Suction canal; a 1,200 cfs pumping station; Three 9,000' long 84" diameter discharge piping to the Mississippi River levee, Reinforced concrete levee crossing of discharge pipes; Reinforced concrete discharge basin in Mississippi River; coordination with local community, regulatory agencies and DOTD regarding a very

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Stephen F. Urquhart
Civil/CAD Technician

old oak tree (the Old Dickory); and relocation of several high tension electrical transmission towers. Project involved Detailed Design, construction documents (Plans and Specifications), cost estimate, engineering during construction, and construction management/QA, for construction cost of \$106.8 Million. HEI Project No. 11-012-09

DPW Project No. 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, 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)

South Claiborne Avenue Canal II, Leonidas to Lowerline, New Orleans, LA. Owner: Sewerage & Water Board of New Orleans (2012). The project consisted of approximately 3,300 linear feet of box culvert parallel to an existing box on S. Claiborne between Leonidas to Lowerline. The new box culvert was approximately 15' x 10'. Additionally, the project consists of utility relocations and traffic control during construction. HEI Project No. 11-029-02, 12-029-04

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

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

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>S&WB Contract No. R-053-2012, Water Line Replacement Program (Audubon, Uptown and West Riverside) Neighborhoods, New Orleans, LA HEI Project No. 11-016-04</p> <p><i>Owner:</i> Sewerage and Water Board Of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p>Susan Diehl 504-930-7209</p>	 <p>HEI was responsible for design of water lines recommended for replacement, including preparation of preliminary design plans, 70% plans, and final design plans, in accordance with Board standards. Developed opinion of probable construction cost. Firm's Role: Design, Bid Services, Resident Inspection, and Construction Management</p> <p>The purpose of this Project is to replace water lines in three neighborhoods on the New Orleans East Bank as a result of the floodwater from Hurricane Katrina in August 2005. The eligible water lines for replacement are based upon a FEMA and Board developed pipe evaluation criteria. All waterline work performed was coordinated with the City of New Orleans Street restoration program, Submerged Roads Program, ongoing Sewerage & Water Board projects for water point repairs, sewer repair and replacement projects. Over 12,700 linear feet of water mains are to be replaced in the West Riverside, Uptown, and Audubon neighborhoods.</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Sundararaja C. Rao, P.E. (Hydraulic Engineer) • Tony R. Tramel, P.E. (Traffic Engineer) • Bryan K. Joseph, E.I. (Project / Construction Engineer) • Stephen F. Urquhart (CAD Designer) 					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2012 End Date: 2023 (est.)</p>	<p align="center">Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="602 1696 1065 1770">Entire Project:</th> <th data-bbox="1065 1696 1549 1770">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="602 1770 1065 1860">\$3,200,000 (Construction)</td> <td data-bbox="1065 1770 1549 1860">\$</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$3,200,000 (Construction)	\$
Entire Project:	Work for which Firm was Responsible:					
\$3,200,000 (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. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>DPW Project. No. 2017-RR189, PW7120355; K17-420, RR189 Village De L'est Group C (FRC), New Orleans, LA</p> <p>Sewerage and Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p>Brian Fontaine DPW Project Manager 504-658-8036</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager & QA/QC) • Danielle B. Connelly, P.E. (Project Engineer) • Bryan K. Joseph, E.I. (Project/Construction Engineer) • Connor D. Guidry E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	<p>HEI provided professional engineering design services for FEMA-eligible street repairs and utility installations on four assigned streets within the Village De L'Est Group C Project boundary. Design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations.</p> <p>Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins.</p> <p>Key Project Elements:</p> <ul style="list-style-type: none"> • 6,500 linear feet of 15" – 54" Storm Drain Pipe • 6,000 linear feet of 8" Water Main • 2,500 linear feet of 8" Sewer Gravity Main • Full Reconstruction of Roads, Sidewalks, and Drives <div style="display: flex; justify-content: space-around; align-items: center;">   </div>					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2017 (Actual)</p> <p>End Date: 2022</p>	<p align="center">Estimated Cost:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th data-bbox="594 1629 1062 1705">Entire Project:</th> <th data-bbox="1062 1629 1529 1705">Work for which Firm was responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="594 1705 1062 1799" style="text-align: center;">\$7,500,00 (Construction)</td> <td data-bbox="1062 1705 1529 1799" style="text-align: center;">\$ (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was responsible:	\$7,500,00 (Construction)	\$ (Fee)
Entire Project:	Work for which Firm was responsible:					
\$7,500,00 (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.

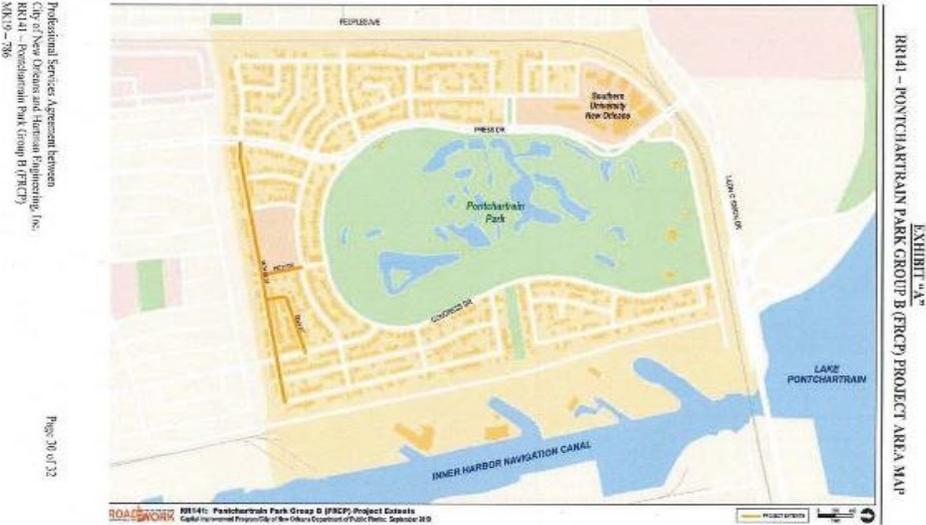
PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Faubourg Coquille Water System – Water Quality Evaluation, St. Tammany, LA HEI Project No. 12-126-01-10</p> <p align="center"><i>Owner:</i> St. Tammany Parish Government P.O. Box 628 Covington, LA 70434</p> <p align="center">Andrew M Hontiveros, P.E. 985-898-2700</p> 	 <p>HEI was responsible for sampling and testing each well site to analyze for inorganics (catons and anions), silicon, TOC, silt density index (SDI) and soft metals. The data analysis will include a water chemistry balance. Firm's Role: Design and Construction Administration</p> <p>HEI is providing engineering services to conduct an analysis of Tammany Utilities' Faubourg Coquille water system. Tammany Utilities' has five wells on the Faubourg Coquille water system that include the Diversified Water Well, Faubourg Water Well, Timber Branch Water Well, Black River Water Well and the Christwood Water Well. The Faubourg Coquille water system currently serves approximately 4,300 customers.</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Larry E. Shriver (Treatment Process Specialist) • Stephen F. Urquhart (CAD Designer) 					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 5/10/2021 End Date: 9/13/2021</p>	<p align="center">Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="602 1638 1063 1753">Entire Project:</th> <th data-bbox="1063 1638 1554 1753">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td align="center" data-bbox="602 1753 1063 1833">\$35,000</td> <td align="center" data-bbox="1063 1753 1554 1833">\$35,000</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$35,000	\$35,000
Entire Project:	Work for which Firm was Responsible:					
\$35,000	\$35,000					

TEC Professional Services Questionnaire

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

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>DPW FEMA No. 21032, Contract No. 1266, MK19-786, Project No. 2019-RR141, RR141 Pontchartrain Park Group B (FRCP), New Orleans, LA (HEI Project No. 11-076-09)</p> <p><i>Owner:</i> Sewerage and Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165</p> <p>Ahmed Hamed, E.I. 504-494-1412 Ahmed.Hamed@nola.gov</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> Jared B. Monceaux, P.E. (Project Manager & QA/QC) Danielle B. Connelly, P.E. (Project Engineer) Sundararaja C. Rao, P.E. (Hydraulic Engineer) Connor D. Guidry, E.I. (Project Engineer) Stephen F. Urquhart (CAD Designer) 	 <p>HEI provided professional engineering design services for FEMA-eligible street repairs and utility installations on assigned streets within the Pontchartrain Park neighborhood. Improvements include the following design features: roadway pavement and base construction complete with curbs, sidewalks, drives, and ADA handicapped ramps; subsurface drainage, water, and sanitary sewer installation. Final grades designed to be compatible with adjacent properties and existing pavements and provide for a positive flow of water towards catch basins.</p> <p>Project technical design work included horizontal and vertical design and modeling of fully reconstructed residential streets, hydraulic study for design and modeling of drainage system (pipe sizes ranging from 15" to 54", circular and arch), and design of water and sanitary sewer installations.</p> <p>Coordinated with subconsultant on surveying, preliminary design, final design, bidding, construction administration, and resident inspection. Provided design QA/QC at preliminary and final design milestones. Project work located along Mithra St., Piety Dr., Desire Dr., and Odin St. (Final Design On-Going)</p>					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2017 End Date: 2021 (Actual)</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="532 1640 1008 1715">Entire Project:</th> <th data-bbox="1008 1640 1547 1715">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="532 1715 1008 1812">\$4,412,000 (Fee)</td> <td data-bbox="1008 1715 1547 1812">\$29,000 (Fee)</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$4,412,000 (Fee)	\$29,000 (Fee)
Entire Project:	Work for which Firm was Responsible:					
\$4,412,000 (Fee)	\$29,000 (Fee)					

TEC Professional Services Questionnaire

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

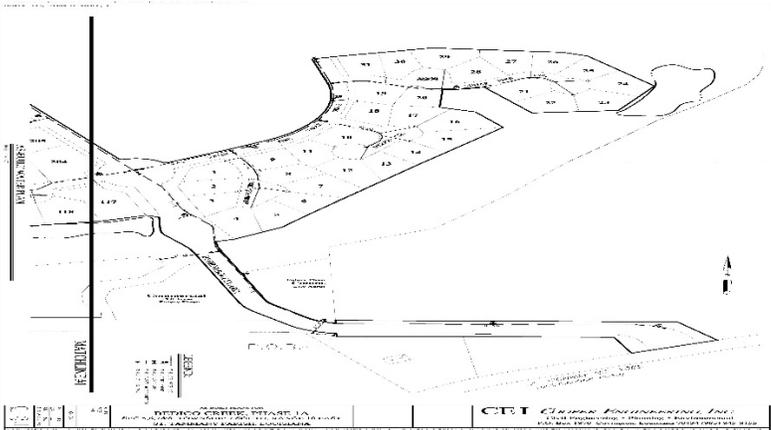
PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Waterline Improvements, Project No. 2007-070-WR Grand Isle, LA HEI Project No. 12-014-72</p> <p><i>Owner:</i> Jefferson Parish Dept. of Water 1221 Elmwood Park Blvd. Jefferson, LA 70123</p> <p>Bob Dale 504-736-6724</p> 	 <p>HEI was responsible for integrating the waterline design with such pipelines and features and coordinate the effort with local property and pipeline owners as needed. Firm's Role: Design, Construction Administration, and Resident Inspection</p> <p>Design of approximately 7500 feet of new, 12-inch, C-900 waterline from Ludwig Lane and LA 1 to Admiral Craig and Pirates Cove Marina Road, determine whether existing roadway servitudes are adequate to construct the line, taking into consideration above and below ground pipelines and other features within and/or crossing the servitudes.</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	
<p>Completion Date (Actual or estimated):</p>	<p>Estimated Cost:</p>	
<p>Start Date: 2008 End Date: 2009</p>	<p>Entire Project:</p> <p>\$2,000 (Construction)</p>	<p>Work for which Firm was Responsible:</p> <p>\$2,000</p>

TEC Professional Services Questionnaire

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

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Bedico-Faubourg Interconnect 12-inch Waterline, St. Tammany Parish, LA HEI Project No. 12-126-02</p> <p><i>Owner:</i> St. Tammany Parish P.O. Box 628 Covington, LA 70434</p> <p>Andrew Hontiveros 504-462-1147</p> 	 <p>HEI will prepare Construction Plans and Specifications, Bidding and Construction Management Services for 5,000 LF of 12" Waterline Extension. This project will connect 2 different water systems. Firm's Role: Engineering Design, Bidding, Resident Inspection, and Construction Administration</p> <p>The Bedico-Faubourg Interconnect Project will include the construction of approximately 5,000 LF of 12" water main along Louisiana Highway 1085 (LA-1085) from Bedico Boulevard to Red Fox Run Boulevard. The new 12" water main will be constructed to connect the Bedico and Faubourg Water Public Systems. The new 12" water main will tie-in to an existing 12" water main on Bedico Boulevard and existing 8" water main on Red Fox Run Boulevard. The new water main shall be constructed using C900 PVC and C906 HFPE and shall have 12" inside diameter as required to provide the desired flow and pressure. Additionally, fire hydrants and isolation valves shall be installed along the water main extension.</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Connor D. Guidry, E.I. (Project Engineer) • Stephen F. Urquhart (CAD Designer) 					
<p>Completion Date (Actual or estimated):</p> <p>Start Date: 2021 End Date: 2023 est.</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="602 1696 1065 1770">Entire Project:</th> <th data-bbox="1065 1696 1554 1770">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="602 1770 1065 1854">\$575,575 est. (Construction)</td> <td data-bbox="1065 1770 1554 1854">\$</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	\$575,575 est. (Construction)	\$
Entire Project:	Work for which Firm was Responsible:					
\$575,575 est. (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. 7

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

10-inch Waterline Extension along Gause Boulevard, Slidell, LA
HEI Project No. 12-090-12

Owner:
City of Slidell
P.O. Box 828
Slidell, LA 70458

Blaine Clancy
985-646-4270



HEI will prepare Construction Plans and Specifications, Bidding, and Construction Management Services for approximately 2,000 LF of Waterline Extension along Gause Boulevard. Firm's Role: Engineering Design, Bidding, Permitting, and Construction Administration

The Gause Blvd. route corridor for the 10-inch waterline extension along Gause Blvd. is approximately 1,300 feet eastward from the northbound lanes of the Northshore Blvd. intersection. The professional services are to include the following for the 10-inch waterline extension: Surveying the proposed route and alignment on the north side of Gause Blvd. from northbound lanes of the Northshore Blvd. intersection, approximately 200 feet north of the west bound lanes of Gause Blvd. and on and along the north rights-of way of Gause Blvd. to approximately 200 feet east of the property located at 2170 Gause Blvd. The proposal is to include, at a minimum, the following information along the proposed route.

% 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. (Enviro. / Hydraulic Engineer)
- Danielle B. Connelly (Project Engineer)
- Connor D. Guidry, E.I. (Project Engineer)
- Stephen F. Urquhart (CAD Designer)

Completion Date (Actual or estimated):

Estimated Cost:

Start Date: 2021
End Date: 2023 est.

Entire Project:

Work for which Firm was Responsible:

\$91,900 (Construction)

\$91,900

TEC Professional Services Questionnaire

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

PROJECT NO. 8

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

TEC Professional Services Questionnaire

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

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>East Bank Water Treatment Plant Expansion, Jefferson Parish, LA <i>(HEI Project No. 11-012-04)</i></p> <p><i>Owner:</i> Jefferson Parish Department of Water 1221 Elmwood Park Boulevard Jefferson, LA 70123</p> <p>Dan Gerrity, P.E. 504-835-4252</p> 	<p>Preparation of plans and specifications for the structural design concerning a 17 MGD expansion of the East Bank Water Treatment Plant. Plant processes included tankage, pumps, and expanded chemical addition facilities.</p> <p>Firm's Role: Design and Construction Administration</p> <p>% of work Performed in LA: 100%</p> <p>Firm's Responsibility: Prime</p> <p>Key Staff on Project:</p> <ul style="list-style-type: none"> • Jared B. Monceaux, P.E. (Project Manager; QA/QC) • Rolland A. Mura, P.E. (Enviro. / Hydraulic Engineer) • Danielle B. Connelly (Project Engineer) • Stephen F. Urquhart (CAD Designer) 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>Start Date: 1993 End Date: 1993</p>	\$15,000 (Construction)	33%

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

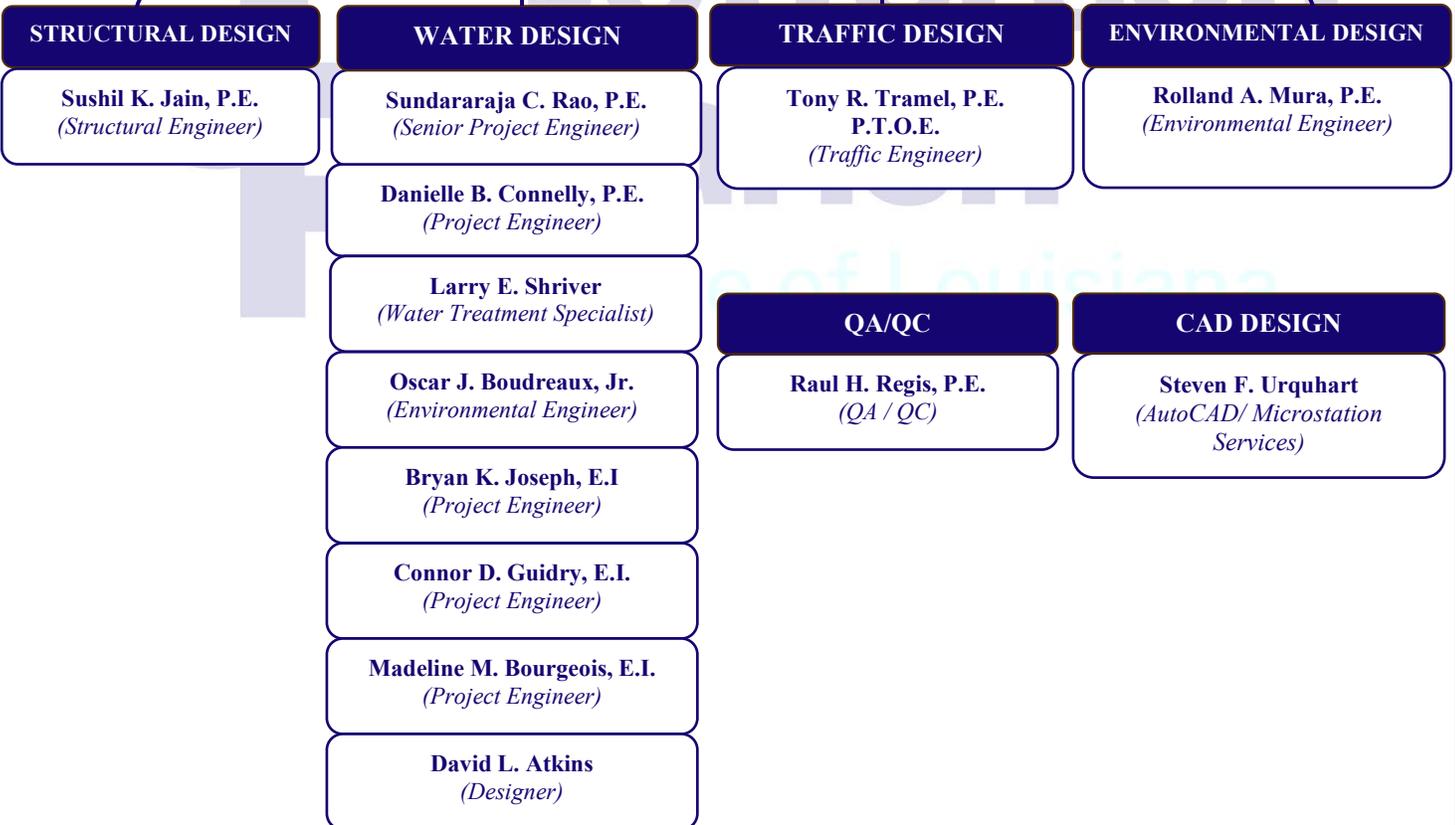
TEC Professional Services Questionnaire

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

HEI Organizational Chart



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



TEC Professional Services Questionnaire

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

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

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

MINIMUM REQUIREMENTS FOR SELECTION:

1. One principal who is a professional engineer who shall be registered in Louisiana.
 - **Jared B. Monceaux, P.E. HEI PE 32202 Exp. 3/31/2024**
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 drainage, sewer, and roadway projects. We offer the following references for your review and invite you to contact them directly for a discussion of HEI’s capabilities.

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

6. FIRM SIZE (10 points)

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

7. PAST PERFORMANCE (10 points)

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

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

PAST AND CURRENT PROFESSIONAL ACCOMPLISHMENTS

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

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

President of Louisiana Water Environment Association
(Rolland Mura, P.E., B.C.E.E.)

Director, New Orleans Branch of ASCE
(Rolland Mura, P.E., B.C.E.E.)

Board Certified Environmental Engineer, American Academy of Environmental Engineers
(Rolland Mura, P.E. B.C.E.E.)

Arthur Sidney Bedelle Award
Water Pollution Control Federation
(Rolland Mura, P.E., B.C.E.E.)

STATEMENT OF MAXIMUM FEE

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

Project Approach

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

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

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

<ul style="list-style-type: none"> • <u>Project Scope</u> 	<p>The first action taken by HEI’s Project Manager upon award of project is to develop the scope of the project. This scope will include a detailed listing of project tasks to be accomplished, the logical order to accomplish these tasks, and a listing of project deliverables. This scope is typically submitted, or at a minimum discussed, with the project owner to verify that HEI management and the owner see the project, the required tasks, and the final products the same way.</p>
<ul style="list-style-type: none"> • <u>Project Schedule</u> 	<p>The second action taken by HEI’s Project Manager is to develop a project schedule. Each task listed in the scope is given a start date, an estimated duration, and an estimated finish date. Once again this is forwarded to the owner’s representative for approval. The initial schedule is set to the owner’s requirements.</p>
<ul style="list-style-type: none"> • <u>Project Budget</u> 	<p>The Project Manager, based upon the project scope and project schedule, develops two budgets: one budget for the resources required to produce the finished project on schedule, and the second, in most cases, is a preliminary estimate of probable cost of construction. The first budget is submitted and usually used as the basis of a fee negotiation. Once completed, the project budget and schedule are the Project Manager’s guide to bring a quality project in on time. The second estimate, the probable cost of construction, is also a guide agreed to by the owner of the project design. It is referred to, updated, and reviewed at major milestones as the project progresses to completion.</p>
<ul style="list-style-type: none"> • <u>Quality Control/Quality Assurance</u> 	<p>QC/QA comprises an integral part of our design and project management process. Our QC/QA process is summarized as follows:</p>
<ul style="list-style-type: none"> • <u>General</u> 	<p>Ensuring a quality product is a primary goal of the firm. QC/QA is required for public safety as well as client satisfaction. The Manager of the firm QC/QA program is the president of the firm; subcontractors are included in the QC/QA program. All QC/QA plans shall include an independent check, a peer review, supervisory executive review, and a review by either the Owner or the Firm President.</p>
<ul style="list-style-type: none"> • <u>Check</u> 	<p>All computations, calculations, and drawings shall be checked by a competent qualified member of the team other than the originator and so marked.</p>
<ul style="list-style-type: none"> • <u>Peer Review</u> 	<p>All products shall be reviewed at the working level by an uninvolved, qualified team member. The results of the review shall be resolved before going to the Executive Review. A record of the checks and peer review shall accompany the product to the executive review.</p>
<ul style="list-style-type: none"> • <u>Executive Review</u> 	<p>The Project Manager shall ensure that the checks and reviews are complete, and resolve any unresolved issues from the review process. Cost estimates will be checked to ensure proper order of magnitude, and the project will then advance to the Owner or Firm President.</p>
<ul style="list-style-type: none"> • <u>Owner/President Review</u> 	<p>The Owner/President shall ensure that the checks and reviews are complete, resolve any outstanding issues, review the product, and determine if any changes are required in the QC/QA procedures.</p>

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

Signature:



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

Title: President

Date: March 31, 2022

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

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

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001344	Active	09/25/1986	03/31/2024	Mr. Jared Blayne Monceaux # PE.0032202 - Active



City of Gonzales

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

BARNEY D. ARCENEUX
MAYOR/ADMINISTRATOR

DAVID J. GUITREAU-Division A
COUNCILMAN
DRAINAGE COMMISSIONER

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

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

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

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

SHERMAN D. JACKSON
CHIEF OF POLICE

TRACEY N. NORMAND
FIRE CHIEF

CLAY A. STAFFORD
CITY CLERK
FINANCE DIRECTOR

ERIN LANOUX
CITY ATTORNEY

May 31, 2017

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

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

Dear Mr. Monceaux:

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

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Jackie Baumann".

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

CC: Mayor Barney Arceneaux



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

REPLY TO
ATTENTION OF

February 10, 2012

Engineering Division
Control Branch

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

Dear Mr. Sneed:

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

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

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

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

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

ESSAYONS!

Sincerely,

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

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

Enclosure



USACE - New Orleans District
Certificate of Appreciation

is presented to

Hartman Engineering, Inc.

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

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

06 February 2012



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

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



REPLY TO
ATTENTION OF

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

August 4, 2008

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

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

Gentlemen:

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

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

Sincerely,

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

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Hartman Engineering, Inc.

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

This certification is valid from 6/22/2021 to 6/22/2022 .

Certification No. 13205

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

Stephanie Hartman,
Director, Entrepreneurial Services



Division of Small and Emerging Business Development
SEBD CERTIFICATION

Hartman Engineering, Inc.

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 6/20/2016

This certification expires on: 6/20/2026

Certification No. 13205

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

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

HEI Hartman Engineering, Inc.
Consulting Engineers

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brmail@harteng.com