



# Routine Engineering Services for Drainage

submitted to: **Jefferson Parish Council**

submitted by: **WSP USA Inc.**

June 21, 2024



## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.



## TEC Professional Services Questionnaire

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

SOQ 24-015-Provide Routine Engineering Services for Drainage Projects in Jefferson Parish

**B. Firm Name & Address:**

WSP USA Inc.  
1100 Poydras Street  
Suite 1175  
New Orleans, LA 70163

**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:**

Ian Chaney, PE  
Supervising Engineer  
277 Bendix Rd., Suite 300  
Virginia Beach, VA 23452  
757-466-9615  
ian.Chaney@wsp.com

**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.**

Rebecca Howell, PE	225-508-3872
Assistant Vice President Water Resources Engineer	Rebecca.Howell@wsp.com
301 N. Main Street, Suite 2200	
Baton Rouge, LA 70801	
1100 Poydras Street	
Suite 1175	
New Orleans, LA 70163	

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

<u>3</u> Administrative	<u>    </u> Estimators	<u>2</u> Specification Writers
<u>    </u> Architects (Licensed)	<u>    </u> Geologists	<u>2</u> Structural Engineers
<u>    </u> Chemical Engineers	<u>2</u> Geotechnical Engineers	<u>1</u> Graduate Engineers
<u>8</u> Civil Engineers	<u>    </u> Interior Designers	<u>6</u> Project Managers
<u>2</u> Construction Inspectors	<u>    </u> Landscape Architects	<u>    </u> Clerical
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>2</u> Grant/Funding Specialist
<u>1</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u>2</u> Sanitary Engineers
<u>4</u> Engineer Intern	<u>2</u> Environmental Engineers	
<u>    </u> Professional Land Surveyors		38 <b>TOTAL</b>

**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. None

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**

YES ☐ NO ☐

**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. None		
2.		
3.		

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

None

## 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:**

Rebecca D. Howell, PE  
Assistant Vice President Water Resources Engineer

**Project Assignment:**

Project Manager / Professional in Charge

**Name of Firm with which associated:**

WSP USA Inc.

**Years' experience with this Firm:**

2.5

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

BS, Civil Engineering, Louisiana State University / 2012  
BS, Atmospheric Science, University of Louisiana at Monroe / 2010

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

Professional Engineer: Louisiana (PE.0042559)/ 2018 / Civil, Mississippi (PE 34228) / 2023 / Civil

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

Rebecca is a civil engineer with consulting experience in engineering, design, project management. She is committed to providing quality service to stakeholders in the private and public sector for the design, management, bidding/contracting and construction administration for a broad range of civil engineering projects. Rebecca's project experience includes water distribution system design, sanitary and storm water collection systems, drainage impact analysis, HEC-RAS modeling (1D and 2D), sanitary sewer lift station and force main design, off-system bridge replacements, subdivision, and commercial site design.



## REBECCA DAVEZAC HOWELL, PE

Assistance Vice President, Water Resources Engineer

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### CAREER SUMMARY

Rebecca Davezac Howell is a civil engineer with consulting experience in engineering, design, project management. She is committed to providing quality service to stakeholders in the private and public sector for the design, management, bidding/contracting and construction administration for a broad range of civil engineering projects. As project manager, she is responsible for project planning, delegating, and organizing resources as well as tracking costs and managing budgets for multiple engineering projects as well as managing design teams and sub-consultants while leading complex projects. Rebecca's project experience includes water distribution system design, sanitary and storm water collection systems, drainage impact analysis, HEC-RAS modeling (1D and 2D), sanitary sewer lift station and force main design, off-system bridge replacements, subdivision, and commercial site design.

### Years with the firm

2.5

### Years total

12

### Education

Louisiana State University,  
BS in Civil Engineering,  
2012

University of Louisiana at  
Monroe, BS in Atmospheric  
Science, 2010

### Professional Registrations

Professional Engineer:  
LA 0042559; MS 34228

### Professional Certifications

Advanced Benefit Cost  
Analysis Training,  
National Emergency  
Planning and Training  
Association, 2019

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### RELEVANT PROJECT EXPERIENCE

- 2023-035D-WRB Kenner Waterline Project (21<sup>st</sup> Street to 14<sup>th</sup> Street), Jefferson Parish, LA. Project Engineer/Project Manager. WSP has been selected to provide design services for installation of a new 42" transmission line along Airport Access Rd from 21<sup>st</sup> Street to 14<sup>th</sup> Street. Anticipated installation methods will include CompressionFit, open cut and horizontal direction drilling (HDD). The segment of waterline includes an aerial crossing over West Metairie Canal, which will be relocated under the canal via HDD installation method. Project is currently in contract negotiations with Jefferson Parish and work is anticipated to start Q3 of 2024.
- Richmond Layover Facility, Virginia Passenger Rail Authority, CSXT CA-Line Fulton Yard, Richmond, VA, Project Engineer. Project Engineer for preliminary engineering on a 4 track Amtrak Level II layover facility at CSXT's Fulton Yard in Richmond, VA. The project contains 3 layover tracks and 1 service platform, with 1 future track and a future service platform. Rebecca's role on the project is hydrologic and hydraulic analysis and design lead. H&H design is in accordance with current, state, and Commonwealth of VA regulations and AREMA Manual regarding drainage and stormwater management. Project elements include hydrologic analysis for the 2 – 100 year storm events, pond design, and subsurface drainage improvements. This project is anticipated to move into the final design phase in early 2025. Client: Virginia Passenger Rail Authority, Mar 2024 - ongoing
- Louisiana Gulf Terminal Mainline Extension, Confidential Client, Plaquemines Parish, LA. Project Engineer. WSP was selected to perform 30% engineering design and permitting services for a freight rail mainline extension project. The project includes assistance with environmental approvals and development of engineering plans using Union Pacific Railroad standards to construct a nearly 9-mile mainline extension from the current NOGC terminus north of Ironton, LA to Woodland, LA in Plaquemines Parish. The project will develop the subgrade, drainage and permitting assistance to accommodate a proposed single mainline track (Phase 1) and expansion to a future double track mainline with access road (Phase 2). The project includes the construction of about 9 miles of new 136RE rail on timber track, a 7,000ft siding, shoofly alignments, and crash walls for adjacent and overhead structures while paralleling the Mississippi River. The project encompasses integration and coordination with federal, state and local public agencies and multiple private entities including Industries, Utility owners, and private land owners. Responsibilities include drainage design and utility coordination task lead.



## REBECCA DAVEZAC HOWELL, PE

Assistance Vice President, Water Resources Engineer

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- Program Management, Port of South Louisiana, Board of Commissioners Port of South Louisiana, St. Charles, St. James and St. John Parishes, Louisiana LA. USA, Project Manager/Project Engineer. The Program Management assignment includes but is not limited to oversight of the Master and Strategic Planning efforts including implementation, Grants Application and Management, Procurement Support including Assessment of Consultant Capabilities, Alternative Delivery and Public Private Partnerships, Design Management and Construction Administration through the life of the contract. The Program also includes the creation of a Project Controls system for the Port. As Project Manager and Project Engineer, Ms. Howell is responsible for project programming, holding pre-design kickoff meetings between the Port and design consultants, design oversight for civil engineering projects, which includes review of consultant's fee proposal, preliminary and final construction documents and Engineer's Construction Cost Estimate. Design oversight includes engineering oversight of the Globalplex and Executive Regional Airport Drainage Master Plan and Access Road to Building 71 Projects. She is responsible for compiling consultant monthly project status updates to the Port for projects in design and construction, which are provided to the Board of Commissioners for the monthly Construction Meeting. She provides Construction Administration oversight for projects in construction. Ms. Howell is also responsible for developing processes and procedures for the Port, including Pre-design Procedures for project scoping, Grants Management, and contracting. As a task order based contract, Rebecca is also responsible for scoping WSP task orders, developing manhour estimates, budgets and schedules, as well as delivering each task on time and within budget.
- Louisiana Watershed Initiative Iberville Parish White Castle Drainage Improvements, White Castle, LA, Engineer/Technical QA/QC. WSP is a subconsultant performing channel improvement design, development of plan and profiles and technical oversight for the LWI (Louisiana Watershed Initiative)- CDBG Grant funded White Castle Drainage Improvements Project. This project consists of the removal of accumulated sediment for approximately 4.5 miles of the channel bottom and immediate adjoining side slope to match historical grade lines. The project includes the removal of siltation above historical channel bottom grade lines and settled eroded materials on the bottom of the channel and the disposal of all excavated soils. Client: Iberville Parish Government. 2021- Ongoing.
- City of Central Drainage Master Plan, Central, Louisiana, Project Engineer. Mrs. Howell developed a drainage master plan for the city of Central following a series of local floods in 2016. The implementation of the drainage improvements recommended by the Master Plan will be funded by FEMA Hazard Mitigation Grant Program (HMGP). Rebecca incorporated LiDAR and topographic survey data to understand existing conditions, modeling the current system of natural and man-made drainage features, and recommending a series of capital improvements intended to manage stormwater flooding more effectively. She developed and calibrated six high-resolutions 2-dimensional hydrodynamic models for the existing conditions of Central's internal streams using the latest high-resolution LiDAR data and channel surveys. Rebecca evaluated all structures and the main channels during the 4% Annual Exceedance Probability or 25-year return interval synthetic storm event and designed improvements for structures failing to meet this level of service. The design team also identified regional detention areas which could reduce flood risk for the city. As part of this Master Plan, Ms. Howell provided direction to and coordinated with the survey team for the survey of over 160 drainage structures and over 100 cross-sections among the 5 main channels, developed HEC-HMS, 1D and 2D HEC-RAS models of the existing conditions and proposed improvements.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Ian Chaney, PE National Director – Geotechnical & Tunneling Senior Vice President
<b>Project Assignment:</b>
Principal in Charge
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
21
<b>Education: Degree(s)/Year/Specialization:</b>
MS, Geotechnical Engineer, Virginia Technical Institute / 2002 BS, Mining Engineering, Virginia Technical Institute / 2001
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana (PE. 0042288) / 2018 / Civil Professional Engineer (other states): Virginia, Tennessee, Louisiana, Florida, North Carolina, Kentucky
<b>Other experience and qualifications relevant to the proposed Project:</b>
Ian Chaney is the National Director for Geotechnical & Tunneling for WSP. He is experienced in multi-disciplinary project management and leading geotechnical project efforts. His technical experience includes providing detailed and concept designs for marine facilities, tunnels, bridges and buildings that consider site-specific geotechnical and environmental conditions, as well as the spectrum of multi-disciplinary concerns inherent with large infrastructure construction activities.





## IAN J. CHANEY, P.E.

*National Director – Geotechnical & Tunneling  
Senior Vice President*

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### PROFILE

Ian Chaney is the National Director for Geotechnical & Tunneling for WSP. He is experienced in multi-disciplinary project management and leading geotechnical project efforts. His technical experience includes providing detailed and concept designs for marine facilities, tunnels, bridges, and buildings that consider site-specific geotechnical and environmental conditions, as well as the spectrum of multi-disciplinary concerns inherent with large infrastructure construction activities.

### PROFESSIONAL EXPERIENCE

#### Years of Experience

21

#### Education

*M.S. Geotechnical  
Engineering, Virginia Tech,  
2002*

*B.S. Mining Engineering,  
Virginia Tech, 2001*

#### Professional Registrations

*Professional Engineer:  
Virginia, Tennessee,  
Louisiana, Florida, North  
Carolina, Kentucky*

#### Professional Affiliations

*American Society of Civil  
Engineers*

*Underground Construction  
Association of SME*

*Deep Foundations  
Institute*

**Mid-Barataria Sediment Diversion Project – New Orleans, Louisiana:** As part of this CMAR project to design an intake structure and 2-mile long conveyance channel from the Mississippi River, Ian is the lead designer and WSP project manager providing designs for a concrete intake approach. Options considered were floating U-structures, able to be placed 400 feet out into the Mississippi River, cast-in-place concrete structures with sheet pile seepage cutoffs, and a bored tunnel. The U-structure is being advanced and is being constructed on a piled foundation. At completion, the project will accommodate a diverted flow of more than 75,000 cfs of sediment-laden water that will ultimately be deposited and dispersed into the Barataria Bay, enabling marsh creating for future decades.

**Gamesa Offshore Wind Turbine, Chesapeake Bay, Virginia:** Project Manager responsible for the final design and installation of what would have been the first offshore wind turbine constructed in the United States. Project was cancelled after design completion, and consists of the design and installation of a 5 megawatt wind turbine founded in an offshore environment. Detailed geotechnical and structural analysis were performed by WSP to account for the static loads and dynamic operation of the turbine, coupled with the hydrodynamic loading imparted by waves and currents. An extensive offshore geotechnical engineering investigation utilizing CPTs, soil borings and laboratory testing was implemented to define subsurface conditions, critical for determining lateral soil spring values and for analyzing pile drivability.

**Virginia Port Authority – North Wharf Extension, Norfolk, Virginia:** geotechnical engineer responsible for the geotechnical design of sheet pile bulkheads consisting of both cantilever sections and anchored sections. In addition, Ian provided recommendations for ground improvement behind the bulkhead consisting of deep vibro-compaction of soils and staged construction and was responsible for the testing and evaluation of the vibro-compaction operations.

**Puerto Bolivar Due Diligence Study, Ecuador:** Geotechnical Engineer responsible for the due diligence review of all geotechnical design and construction aspects of the project that included a 450m wharf expansion, rock bund and land reclamation, ground improvements, and dredging.

**Hampton Roads Bridge-Tunnel Expansion, Norfolk, Virginia:** Engineering Manager for this \$4B marine bridge and tunnel expansion project that consists of two new bored tunnels under the Hampton Roads shipping channel, artificial island expansion, access dredging, 4 miles of new bridge trestles and 4 miles of highway widening on land. On behalf of the owner, VDOT, Ian is responsible for all marine design and construction for this project that encompasses tunnels, island expansion, scour protection, Navy coordination and permitting. The project also includes two major excavations at the manmade islands – each over 50' deep and underwater, that are to be dewatered for launching and receiving the Tunnel Boring Machine.



IAN J. CHANEY, P.E.

*National Director – Geotechnical & Tunneling  
Senior Vice President*

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**Dominion Energy VOWTAP Offshore Wind Turbines:** Provided engineer-of-record geotechnical services to Orsted for two, 6 MW offshore wind turbines to be constructed 30 miles off the Virginia Beach coast line. Ian was responsible for the foundation design of the offshore monopile foundations, scour design and constructability aspects of the projects.

**Midtown Tunnel – Martin Luther King Expressway Project, Norfolk and Portsmouth, Virginia:** on this long-term, \$2.1B Mega-Project, Ian's duties started as the geotechnical design manager and finished with being the on-site Project Manager during construction. As the on-site Design Manager During Construction, Ian was responsible for daily management of design services during construction, claim mitigation and negotiation, and financial decisions regarding design work.

As geotechnical design manager for this immersed tunnel project that parallels an existing immersed tunnel, Ian was responsible for the management of all geotechnical, underground and marine aspects of the design and the coordination of these works between the civil, geotechnical and structural disciplines. Work consisted of dredging and foundation preparation for the immersed tubes, immersed tube design, island reclamation, buoyancy and transportation, as well as the design of the support-of-excavation system that included over 4,000 lf of in-water sheet piling, some of which utilized tiebacks and underwater struts, and that included two 50-foot deep dewatered excavations for the tunnel approaches. The scope also required the remediation of the Portsmouth Marine Terminal, which the tunnel passes through. The port facility was returned with a 750-psf live-load allowance, with no reduction in service due to the newly constructed tunnel.

**UK Round 3 Offshore Wind Farm Study, Southern North Sea, UK:** Ian provided review services for the design basis document and concept-level turbine support foundation details. The study investigated various foundation types (monopile, jacket and gravity base) for numerous turbine sizes.

**Kwajalein Wind Project, Marshall Islands:** for this pilot project on a remote Pacific Ocean Island, Ian prepared conceptual foundation designs for nearshore, 6-megawatt, 115-meter diameter wind turbines founded on a coral reef. Due to the remote nature of the project, conventional offshore construction methods could not be implemented. Therefore, more conventional, drilled foundation elements and tiebacks to "tune" the dynamic stiffness of the structure was utilized.

**Brooklyn Navy Yard, Brooklyn, New York:** geotechnical engineer responsible for the development and design for all aspects of a Confined Disposal Facility and the protection of an on-site sewer outfall, including design recommendations, construction specifications, and construction drawings. The sewer outfall, which would be affected and destroyed by the construction of the CDF, was designed to be protected by the placement of an A-frame tieback retaining wall or by a bridged structure in which the loads that would be imposed by the placement of dredge fill were transferred to the A-frame structure, anchored into the underlying bedrock. The CDF was optimized using staged surcharge programs that would ultimately allow for land reclamation for useable land space.

**Chesapeake Bay Bridge-Tunnel – Parallel Thimble Shoals Tunnel Pursuit, Virginia Beach, Virginia:** As pursuit manager, Ian was responsible for preliminary designs of both an immersed tunnel option and a bored tunnel option, including manmade island extensions, ground improvement, and protection of the existing tunnels and islands, built in the Chesapeake Bay on a subsurface consisting of up to 80 feet of soft compressible clays.

**Enighed Pond Backland Improvement, St. John, US Virgin Islands:** geotechnical engineer responsible for the design of a ground improvement scheme to make a 5-acre parcel land consisting of dredge spoils usable for port operations. Ground improvement

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Max Nassar Senior Vice President Senior Managing Director, Local Business Leader
<b>Project Assignment:</b>
Officer in Charge
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
6
<b>Education: Degree(s)/Year/Specialization:</b>
BA, Psychology Louisiana State University / 1976
<b>Active registration: Year first registered/discipline:</b>
None
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Max is a Louisiana native who has spent 30 years in executive level positions in Fortune 500 Companies in both the Manufacturing/Industrial Sector and AE Consulting Services Sector. Over the past 25 years, he has overseen a multiplicity of infrastructure projects in the Southeast United States and in Central America and with a value in the billions. Many of these projects have been FEMA Federal Aid Funded in Louisiana and have been performed for a variety of public and private clients. Max possesses demonstrated experience in NEPA Project Leadership, Government and Stakeholder Relations, Program Management, Project Management, Program and Project Development, and Construction Management and Inspection services related to major infrastructure and facilities projects which include roadway, highway and bridge infrastructure, drainage and utilities infrastructure, railways and transit ways, airport facilities, and various waterfront infrastructure and facilities.</p>



## MAX NASSAR

*Vice President*

*Senior Managing Director, Local Business Leader*



### Years with the firm

6

### Years total

44

### Education

*BA, Psychology Louisiana State University, 1976*

### Additional Training

*Post-graduate studies in: Business, Finance, Labor Relations, and Industrial Operations, Tulane and Loyola Universities, New Orleans, LA*

### CAREER SUMMARY

Max is a Louisiana native who has spent 30 years in executive level positions in Fortune 500 Companies in both the Manufacturing/Industrial Sector and AE Consulting Services Sector. Over the past 25 years, he has overseen a multiplicity of infrastructure projects in the Southeast United States and in Central America and with a value in the billions. Many of these projects have been FEMA Federal Aid Funded in Louisiana and have been performed for a variety of public and private clients.

Max possesses demonstrated experience in NEPA Project Leadership, Government and Stakeholder Relations, Program Management, Project Management, Program and Project Development, and Construction Management and Inspection services related to major infrastructure and facilities projects which include roadway, highway and bridge infrastructure, drainage and utilities infrastructure, railways and transit ways, airport facilities, and various waterfront infrastructure and facilities.

### RELEVANT PROJECT EXPERIENCE

- **Bonnabel Boulevard Roadway Improvements (Metairie Rd. to I-10), Jefferson, LA, Project Principal** The project, which is a Federal Aid program with joint FHWA and Jefferson Parish funding, will provide a 3" mill and overlay of the roadway surface, full depth concrete patching and curb replacement. The project required coordination Jefferson Parish and LADOTD engineering staff, the creation of preliminary drawings per LADOTD standards, establishment of a proposed profile to aide surface drainage and the creation proposed cross sections. The Project also included a Phase I Noise Mitigation Investigation at the Interstate 10 Overpass. The design work was performed with Inroads SS2. Design guidelines followed included Jefferson Parish, LADOTD and AASHTO. Client: Jefferson Parish. Dates: September 2020 – Present.
- **Pontchartrain Levee District; Cross Bayou Pump Station Inspection and Assessment.** Project Principal. The Cross Bayou Pump Station is owned by the Pontchartrain Levee District. The District desires to transfer the Station to ownership of St. Charles Parish. Prior to the transfer the station will undergo an in-depth inspection and assessment of the infrastructure. The Project Team will review O & M experience, develop a Rough Order Repair Estimate, and develop a Scope of Services and Plan for refurbishment of the Statement. A partial listing of the systems included are Diesel Pump Drives, Fuel Transfer and Storage Tanks, Power Take Off and Gear Reducer, Main Pumps, Auxiliary Pumps, Standby Generator, Trolley System, Automated Bar Screen and Telemetry and Controls
- **Louisiana Department of Transportation and Development. IDIQ Contract for Electrical and Mechanical Engineering Services** – Project Principal for this Task Order based engineering services contract which supports efforts on mechanical and electrical services related to roadways, pump stations and other mechanical and electrical needs. June 2017 to present
  - ✓ Task Order 1: State Project No. H.010439: Boyd Street & 21ST Street Pump Station Improvements
  - ✓ Task Order 2: State Project No. H.010439.5: Boyd Street & 21St St Pumping Station Improvements I-110
  - ✓ Task Order 3: State Project No. H.010565 Acadian St. Pumping Station Improvements
  - ✓ Task Order 4: State Project No. H.010565.5 Acadian Street Pumping Station





## MAX NASSAR

*Vice President*

*Senior Managing Director, Local Business Leader*

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- ✓ Task Order 5: State Project No. H.972249.1 Generator Site Investigation and Load Study for Airline Drive Pump Station and LADOTD Maintenance Facility and Construction Docs for Airline Drive Pump Station
- ✓ Task Order 6: State Project No. H.010253: Bluebonnet Blvd Pump Station Improvements LA 1248
- ✓ Task Order 7: State Project No. H.010251: Chippewa St Pumping Station Improvements US61/190
- **LADOTD Contract FOR 5 Movable Bridges, Vermillion, St. Martin, Assumption, and Cameron Parishes: Project Principal.** WSP USA was selected by the Louisiana Department of Transportation and Development to both inspect and to develop a rehabilitation or replacement plan for 5 movable bridges located in various Parishes across Louisiana. As part of the project scope, WSP will perform site inspections and an LRFR Load Rating and/or NBIS In-Depth inspection on the 5 bridges. The load rating shall be based on the current condition, capacity, and loading of the bridge structure, and shall be performed on all load carrying members including approach spans and movable spans. The development of preliminary and final plans as well as all construction related engineering services are also included in the assignment. As a part of the Construction Plan Set, WSP will prepare and submit a Transportation Management Plan. Many bridges in Louisiana have been designated “Historic” in the Section 106 document “Programmatic Agreement Regarding Management of Historic Bridges in Louisiana”.
- **St. Bernard Group A, New Orleans, Louisiana: Roadway reconstruction, roadway repairs, sidewalk repairs, and handicap ramp replacement for forty-five blocks within the City of New Orleans, Project Principal.** The project was FEMA Federal Aid funded and provided Engineering Services from initial project meetings with the New Orleans Department of Public works Sewerage and Water Board, design, preparation of construction documents to bidding. Client: City of New Orleans Department of Public Works. Dates: December 2016 – June 2018.
- **St. Bernard Group A, New Orleans, Louisiana Waterline replacement for forty-five blocks within the City of New Orleans, Project Principal.** The project was FEMA Federal Aid funded and provided Engineering Services from initial project meetings with the New Orleans Department of Public works Sewerage and Water Board, design, preparation of construction documents to bidding. Client: City of New Orleans Department of Public Works. Dates: December 2016 – June 2018.
- **Ormond Boulevard Pavement and Rehabilitation, St. Charles Parish, Louisiana, Project Officer.** The project, which was a Federal aid program with joint FHWA and St. Charles Parish funding consisted of concrete roadway patching and a 2-mile asphalt mill and overlay of Ormond Boulevard. Client: St. Charles Parish Department of Public Works and Wastewater. Dates: November 2016 - December 2017.
- **LADOTD Emergency Repairs New Orleans Signals, Project Principal.** In the aftermath of Hurricane Katrina the Louisiana DOTD immediately undertook an emergency effort to restore Traffic Control Systems on the Federally Funded System in multiple parishes within the Greater New Orleans region, for a total project cost of \$6 Million. Funded by FHWA Emergency Relief Grant Funds, the project consisted of condition assessment, preliminary and final design, financial management and budget controls, construction engineering and inspection, and program management.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jessica Butterfield, PE Civil Engineer
<b>Project Assignment:</b>
Water Resources Engineer
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Environmental Engineering, North Carolina State University / 2019
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana (0048123) / 2023 / Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
Jessica Butterfield is a civil engineer with experience in developing comprehensive civil sites from concept through completion for commercial and residential projects. Her project experience includes Hydrologic and Hydraulic modeling, site grading and drainage design, road design, sanitary sewer gravity conveyance system and water distribution system layout and design. She develops construction documents (plans and specifications), quantifies projects and prepares engineering cost estimates, and performs calculations and creates design reports for hydraulic modeling. In addition, Jessica has experience utilizing the following software: AutoCAD/Civil 3D, MicroStation/OpenRoads, StormCAD/Hydraflow Hydrographs, Vehicle Tracking, Geographical Information System (GIS).



## JESSICA BUTTERFIELD, PE

### Civil Engineer



#### CAREER SUMMARY

Jessica Butterfield is a civil engineer with experience in developing comprehensive civil sites from concept through completion for commercial and residential projects. Her project experience includes Hydrologic and Hydraulic modeling, site grading and drainage design, road design, sanitary sewer gravity conveyance system and water distribution system layout and design. She develops construction documents (plans and specifications), quantifies projects and prepares engineering cost estimates, and performs calculations and creates design reports for hydraulic modeling. In addition, Jessica has experience utilizing the following software: AutoCAD/Civil 3D, MicroStation/OpenRoads, StormCAD/Hydraflow Hydrographs, Vehicle Tracking, Geographical Information System (GIS).

#### Years with the firm

2

#### Years total

5

#### Education

**North Carolina State University, BS in Environmental Engineering, 2019**

#### Professional Registrations

**Professional Engineer:**

**Louisiana, 2023  
(PE.0048123)**

#### PROJECT EXPERIENCE

- **2023-035D-WRB Kenner Waterline Project (21st Street to 14th Street), Jefferson Parish, LA. Project Engineer.** WSP has been selected to provide design services for installation of a new 42" transmission line along Airport Access Rd from 21st Street to 14th Street. Anticipated installation methods will include CompressionFit, open cut and horizontal direction drilling (HDD). The segment of waterline includes an aerial crossing over West Metairie Canal, which will be relocated under the canal via HDD installation method. Project is currently in contract negotiations with Jefferson Parish and work is anticipated to start Q3 of 2024.
- **Richmond Layover Facility, Virginia Passenger Rail Authority, CSXT CA-Line Fulton Yard, Richmond, VA, Project Engineer.** Project Engineer for preliminary engineering on a 4 track Amtrak Level II layover facility at CSXT's Fulton Yard in Richmond, VA. The project contains 3 layover tracks and 1 service platform, with 1 future track and a future service platform. Jessica's role on the project is hydrologic and hydraulic analysis and design. H&H design is in accordance with current, state, and Commonwealth of VA regulations and AREMA Manual regarding drainage and stormwater management. Project elements include hydrologic analysis for the 2 – 100 year storm events, pond design, and subsurface drainage improvements. This project is anticipated to move into the final design phase in early 2025.
- **Program Management, Port of South Louisiana, Louisiana, Engineer Intern.** The Program Management assignment includes but is not limited to oversight of the Master and Strategic Planning efforts including implementation, Grants Application and Management, Procurement Support including Assessment of Consultant Capabilities, Alternative Delivery and Public Private Partnerships, Design Management and Construction Administration through the life of the contract. The Program also includes the creation of a Project Controls system for the Port. As engineer intern, Jessica attends project meetings and performs design and construction administration oversight. Client: Port of South Louisiana
- **Livingston Parish Government Early Warning Systems and Rain Gauges Project, Livingston Parish, Louisiana. Engineer Intern.** WSP is a subconsultant providing engineering services for this FEMA & GOHSEP HMGP (DR-4277) funded project. This project includes providing schematic designs for the purpose of the installation of 24 water gauges and 46 weather stations to evaluate suitability, document safety and environmental concerns and determine site preparation and equipment required for installation. The scope of work includes project administration and management, data collection and site investigations, schematic design and design development, preliminary and final cost estimating, FEMA Phase II BCA, bidding and contracting administration, construction administration and construction closeout. As engineer intern, Jessica helps with design



## JESSICA BUTTERFIELD, PE

### *Civil Engineer*

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document development and assisting with plan updates. Client: Livingston Parish Government.

- **Louisiana Watershed Initiative Iberville Parish White Castle Drainage Improvements, White Castle, LA, Engineer Intern.** WSP is a subconsultant providing technical oversight for the LWI (Louisiana Watershed Initiative)- CDBG Grant funded White Castle Drainage Improvements Project. This project consists of the removal of accumulated sediment for approximately 4.5 miles of the channel bottom and immediate adjoining side slope to match historical grade lines. The project includes the removal of siltation above historical channel bottom grade lines and settled eroded materials on the bottom of the channel and the disposal of all excavated soils. As engineer intern, Jessica assisted with reviewing previous plans for design requirements, created a proposed channel and berm surface, and helped develop design documents. Client: Iberville Parish Government.
- **Louisiana Watershed Initiative Town of Maringouin Drainage Improvements, Maringouin, LA, Engineer Intern.** WSP is a subconsultant providing technical oversight for the LWI (Louisiana Watershed Initiative)- CDBG Grant funded Town of Maringouin Drainage Improvements Project. The project includes improvements and upsizing of the existing drainage systems, including open channels, drainage structures and culverts. Existing pipes and structures that are inadequate for proper stormwater conveyance will be removed and replaced with those that are adequately sized to handle storm surge. Existing ditches and other open conveyance channels will be resized, sediment accumulation removed, regraded and, in some cases hardened, to convey required storm event runoff within the town limits. Client: Town of Maringouin.
- **Wolfspeed Silicon Carbide Materials Facility, Wolfspeed, Chatham County, North Carolina, Professional Engineer.** WSP is the prime performing the design for a 445-acre silicon carbide materials facility to expand existing Wolfspeed materials capacity by 10x. Jessica laid out the stormwater system for five proposed ponds on-site, created StormCAD models for each system to analyze pre and post development flow, formatted stormwater data for permitting, as well as assisting with permitting packages and documents, creating construction documents, and erosion control plans. Client: Wolfspeed
- **Pounds Lake Sediment Management, Gwinnett County Department of Water Resources, Georgia, Professional Engineer.** The primary intent of this project is to perform necessary maintenance to the WIP project at Pounds Lake. This will be accomplished through dredging of accumulated sediment and construction of sediment capture areas within the lake footprint to allow cost-efficient future maintenance to provide prolonged water quality benefits. Jessica created three pond sedimentation removal options with grading and a cut/fill analysis for the client to review, as well as putting together a set of construction plans and specifications for the chosen design. Client: Gwinnett County Department of Water Resources
- **Charlotte Douglass International Airport CLT Center Stormwater Maintenance Project, Mecklenburg County, North Carolina. Engineer Intern.** Engineering Intern assisting with design of airport maintenance parking lot flooding. Assisted with proposed stormwater network design, calculations, and modeling. Provided technical data for report consisting of three potential stormwater design options. The project includes an analysis of various possible solutions as well as a set of construction plans and specifications for the best solution. Client: Charlotte Douglass International Airport



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Brian C. Hundt, PE Senior Civil Engineer
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
6
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Civil Engineering, Louisiana State University, Baton Rouge / 2009
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana (PE.0039459) / 2015 / Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Brian brings 14 years of experience to this team as a civil engineer on numerous projects such as roadway design, waterline replacement, drainage design, construction administration, and inspection. Throughout his professional career, Brian has worked closely with Jefferson Parish, Louisiana Department of Transportation &amp; Development (LADOTD), New Orleans Sewerage and Water Board, City of New Orleans Department of Public Works, and St. Charles Parish. Brian has a comprehensive knowledge of Autodesk Civil 3D and Excel.</p>



## BRIAN HUNDT, PE, PMP

### Lead Civil Engineer

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#### CAREER SUMMARY

Brian Hundt has over 10 years of experience as a Civil Engineer on numerous projects such as roadway design, waterline replacement, drainage design, construction administration, and inspection. Throughout his professional career, Mr. Hundt has worked closely with Jefferson Parish, the Louisiana Department of Transportation, New Orleans Sewerage and Water Board, City of New Orleans Department of Public Works, and St. Charles Parish.

#### EDUCATION

BS, Civil Engineering, Louisiana State University, Baton Rouge

2009

#### PROFESSIONAL EXPERIENCE

#### Years with the firm

6

#### Years total

14

#### Professional registrations

*Professional Engineer:*  
*Louisiana, 2015 (PE0039459);*  
*Project Management*  
*Professional (2701475)*

*Traffic Control Supervisor, LA*  
*Specific and Traffic Control*  
*Technician, LA Specific*

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#### **Bonnabel Boulevard Roadway Improvements (Metairie Rd. to I-10), Jefferson, LA:**

Project Engineer for the project, which is a Federal aid program with joint FHWA and Jefferson Parish funding, will provide a 3" mill and overlay of the roadway surface, full depth concrete patching and curb replacement. As project engineer, Brian coordinated with Jefferson Parish and LADOTD engineering staff, created preliminary drawings per LADOTD standards, established a proposed profile to aide surface drainage and create proposed cross sections. The design work was performed with Inroads SS2. Design guidelines followed included Jefferson Parish, LADOTD and AASHTO.

#### **Jefferson Parish Submerged Roads Program, Council Districts 1, 2, & 5, Jefferson Parish, Louisiana:**

As Project Engineer, Brian designed 12 Jefferson Parish projects for PCCP and asphaltic pavement repairs and overlay of Hurricane Katrina roadway damage under a FEMA funded program. The total program design spanned approximately 100 miles of Jefferson Parish roadway. He designed 375,000 square yards of Portland Cement Concrete Pavement for street replacement and 80,000 tons of asphaltic street replacement and repairs. He also managed Jefferson Parish agreements, managed design staff, and coordinated the bidding process with Jefferson Parish including prebid meetings, addenda, and review of bids. During the construction phase, Brian managed project inspection, testing reports, contractor payment request, and project closeout. All design was in accordance with Jefferson Parish and FEMA requirements.

**Texas High Speed Rail, Dallas, Texas:** The project is a design-build job for the design and construction of a high-speed rail from Houston to Dallas. As Project Engineer, he created plan sheets for proposed realignments of 40 existing rural and collector roadways that were affected by the proposed rail alignment. In addition, he created vertical and horizontal alignments for 10 proposed road over rail crossings. The design work was performed with InRoads SS2 and SS4. Local county, TXDOT and AASHTO design guidelines were followed for the design of realigned roadways.

**Columbia City Residences at Bayou District, New Orleans, Louisiana:** As Project Engineer, Brian created plan and profile sheets for roadways, drainage and water lines during the design phase. Brian also performed drainage calculations for sizing of the stormwater drainage system and provided routine inspections of civil work during the construction phase. The project consisted of surveying, civil engineering and transportation planning services for the housing portion of the Bayou District Foundation



## BRIAN HUNDT, PE, PMP

### *Lead Civil Engineer*

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project, which includes 465 mixed income units. Brian was involved with phases 2A, 2B and 3 of the Columbia City project.

**St. Bernard Group A, New Orleans, Louisiana:** Project Engineer for Roadway reconstruction, roadway repairs, waterline replacement, sidewalk repairs, and handicap ramp replacement for forty-five blocks within the City of New Orleans. Brian attended design meetings with the New Orleans Department of Public Works, Sewerage and Water Board. He conducted field visits to determine the location of utilities (including water and sewer lines) roadway and sidewalk repairs, creating plan sheets, calculating quantities, creating cost estimates and compiling bid documents and specifications.

**Ormond Boulevard Pavement and Rehabilitation, St. Charles Parish, Louisiana:** Project Engineer for the construction administration phase of the project which consisted of concrete roadway patching and a 2-mile asphalt mill and overlay of Ormond Boulevard. Brian's duties included submittal approvals, site visits, approving daily reports, generating monthly estimates and creating change orders in LADOTD's Site Manager.

**Island Road Restoration, Terrebonne Parish, Louisiana:** Project Engineer for the construction administration phase of the project which consisted cold mill of existing asphalt pavement, placing 20,000 cubic yards of new crushed stone base course, and placing 6,600 tons of superpave asphalt surface and overlay on the existing and widened roadway. The design also included 17,000 cubic yards of stone riprap to stabilize and line the side slopes adjacent to waterways on both sides of the roadway. Duties included approving submittals, weekly inspections, recommending plan changes, tracking quantities, reviewing pay requests and creating change orders.

**First St. Wharf Deck Replacement – Phase 2, New Orleans, Louisiana:** Senior Project Manager for the construction administration project that repaired the First Wharf concrete deck. The scope of work for the construction included identifying damaged concrete sections below wharf deck on the Mississippi River side and above the wharf deck. Repair work included full depth and partial depth concrete deck repairs. Project duties also included attending meetings, managing inspectors, reviewing submittals, monitoring schedule and budget and approving contractor request for payment.

**WB Veterans: Severn Ave – Clearview, Jefferson, LA:** As Project Engineer, this project calls for the design of a 3.5" asphalt mill and overlay, full depth asphalt patching, curb replacement and striping replacement of Veterans Blvd. westbound lanes from Clearview Pkwy. to Severn Ave. This project involves coordination between Jefferson Parish Engineering Department and LADOTD. Brian's duties include creating plan sheets per LADOTD standards, identifying roadway repair locations, and calculating project quantities.

**Southeast Louisiana Hospital Replacement of Potable Water Lines, St. Tammany Parish, Louisiana:** Brian provided inspection and construction administration for the replacement of the water distribution system for a campus of 67 buildings (approximately 462,000 square feet). Duties included inspection of construction, writing inspection reports, attending monthly progress meetings, reviewing pay requests and creating change orders.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Everett Gupton, PE, PMP, ENV SP Southern States District Water Business Lead
<b>Project Assignment:</b>
Senior Drainage Stormwater Engineer
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
17
<b>Education: Degree(s)/Year/Specialization:</b>
B.S., Civil Engineering, North Carolina State University / 2005 B.S., Environmental Engineering, North Carolina State University / 2005
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana, 2022 (0046820) / Civil ,North Carolina, 2014 (041292) / Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
Everett Gupton is a professional engineer with WSP and specializes in water resources engineering and the implementation of innovative green infrastructure. He is experienced in roadway drainage, complex hydraulics, watershed restoration, stormwater management, water quality retrofit and TMDL analysis. Everett is a certified project management professional (PMP) with experiences delivering projects within budget and on schedule.





## EVERETT GUPTON, PE, PMP, ENV SP

### *Southern States District Water Business Lead*



#### Years with the firm

17

#### Years total

20

#### Education

**North Carolina State University, BS in Civil Engineering, 2005 and BS in Environmental Engineering, 2005**

#### Professional qualifications

**Professional Engineer: LA 2022 (0046820), NC 2014 (041292)**

**Project Management Professional**

#### CAREER SUMMARY

Everett Gupton is a professional engineer with WSP and specializes in water resources engineering and the implementation of innovative green infrastructure. He is experienced in roadway drainage, complex hydraulics, watershed restoration, stormwater management, water quality retrofit and TMDL analysis. Everett is a certified project management professional (PMP) with experiences delivering projects within budget and on schedule.

#### PROJECT EXPERIENCE

- **Town of Morrisville, Morrisville Carpenter Road Culvert Analysis, Morrisville, NC, Project Manager.** Culvert replacement analysis along a major artery through the Town of Morrisville. Everett prepared a rainfall-runoff model using HEC-HMS modeling software to determine peak discharges for the 2, 10, 25, 50, and 100-year storm frequencies along the stream. Using the hydrologic calculations, Everett developed a hydraulic model to reflect the existing conditions culvert and grading as well as two proposed alternatives to investigate for upgrading the existing culvert. Conceptual-level cost estimates for each of the proposed alternatives were then prepared to assist the Town in selecting the best alternative.
- **City of Raleigh, Stormwater Management Division, Drainage Assistance Projects, Raleigh, NC, Project Manager.** Local drainage assistance projects within the City of Raleigh to assist citizens and property owners with existing stormwater drainage concerns such as flooding and severe erosion. Everett leads the effort to analyze existing drainage concerns within the city, develop detailed drainage models to identify potential solutions, and produce plans and specifications for the chosen solution. The many projects under this task order agreement are used to address problems such as street and structural flooding, severe erosion, failing drainage infrastructure, and drainage contribution from a public street or other City property.
- **Wake Forest MS4 Gap Analysis, Wake Forest, NC.** Everett acted as the Technical Advisor for a team that developed a Gap Analysis for the Town of Wake Forest's MS4 program in preparation for a regulatory audit by the NC DEQ. The team performed an analysis of the existing stormwater program in relation to audit parameters, identified gaps in the program, and prioritized implementation of improvements to meet audit criteria.
- **City of Durham Floodplain Review Assistance, Durham, NC.** Everett led a team to supplement the City of Durham's review of development plans in relation to floodplain requirements. Acting as a trusted advisor, the team was able to assist the new City's review of an influx of development submittals within a quick timeframe to meet the City's required review times. The reviews included evaluation of development plans in relation to the City's floodplain development requirements. In addition, where development was proposed within regulatory flood hazard areas, Everett led the review of detailed hydraulic models to ensure that development impacts were accurately depicted.
- **GoRaleigh Transit Station Renovation, Raleigh, NC, Task Manager.** Transit station renovation project which includes the addition and realignment of bus lanes at the existing Moore Square Transit Station along with the addition of a ticket building, restroom facility, and pedestrian friendly courtyard. Everett led the stormwater design task for the replacement of the existing stormwater conveyance system. This project involved coordination with a multi-disciplinary



## EVERETT GUPTON, PE, ENV SP

### *Lead Water Resources Engineer*

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team to complete a phased design to ensure that bus service will remain operational at the station during construction. The stormwater management design was conducted using Bently StormCAD to model existing and proposed conveyance systems to ensure the City of Raleigh requirements would be met under proposed conditions.

- **Wake County BRT New Bern Avenue 30% Design, Raleigh, North Carolina: Engineer.** Drainage design lead for the 5.1 mile corridor including 3.3 miles of dedicated transit lanes between the GoRaleigh Station, in downtown Raleigh, and Sunnybrook Road. Everett provided preliminary design of stormwater improvements needed for the project including green stormwater infrastructure measures to treat new impervious bus lane surfaces. Client: GoRaleigh Transit.
- **North Hillsboro Industrial Area Development, Hillsboro, OR, Senior Engineer.** Responsible for development of stormwater management for the industrial area development study. The project involves the study of converting approximately 1,000 acres of agricultural and industrial property in northern Hillsboro to a development conducive to attracting industrial growth. Everett was responsible for developing conceptual approaches for stormwater management including infrastructure for collection and conveyance as well as selection of BMP's for stormwater quantity and quality management. The project involves the use of continuous simulation modeling to meet more stringent regulatory requirements.
- **I-3819B/U-6039, Statesville, NC, Hydraulics and Erosion Control Discipline Lead.** Led hydraulic design on 5 bridge structures and 1 box culvert conveying FEMA streams including development of hydraulic survey reports and preparation and submittal of MOA packaged to NCFMP. Responsible for drainage design on approximately 8 miles of interstate with median barrier and a modified turbine interchange. Responsible for development of permit drawings and stormwater management design for the project including 9 dry detention basins. Led design for erosion control on the project.
- **East Side Combined Sewer Overflow Shaft Site Stormwater Design, Portland, OR, Engineering Associate.** Providing stormwater quality and conveyance design for roadway runoff adjacent to the project site. The scope involved detailed design of a 180' stormwater treatment swale connecting to the existing stormwater sewer system. In addition, Everett designed a stormwater treatment system using the stormwater filter technology approved for use in Portland.
- **TriMet LRT Orange Line Preliminary Engineering, Portland, OR, Project Engineering Associate.** Responsible for the preliminary design of stormwater management facilities along approximately 3 miles of new track. The design included stormwater conveyance facilities and BMPs for 4 passenger stations, 2 park and ride facilities, along with numerous roadway crossings.
- **Battle Creek Flood Study, Salem, OR, Project Engineering Associate.** Responsible for the stream modeling of potential development areas surrounding Battle Creek in Salem, OR. The project involved a detailed watershed assessment using HEC-HMS software to develop existing runoff calculations for Battle Creek and 3 tributary streams.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Ashwini Kashelikar, PE, CFM Senior Water Resources Engineer
<b>Project Assignment:</b>
Water Resources Engineer
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
15
<b>Education: Degree(s)/Year/Specialization:</b>
B.S., Chemical Engineering, University of Pune, India / 2005 M.S., Environmental Engineering, Michigan Technological University / 2009
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana, (0033148) / Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
Ashwini is a water resources engineer with experience in hydrologic and hydraulic modeling for a diverse range of projects including streamflow forecasting, dam break analysis, levee certification, no-rise determination, sanitary sewer analysis, stormwater design, reservoir operations, and flood risk assessment. Ms. Kashelikar has experience with ESRI GIS Software, HEC-1, HEC-2, HEC-RAS, HEC-HMS, HEC-ResSim, PCSWMM, InfoSWMM, FLO-2D, HAZUS-MH, and ICPR.



## ASHWINI KASHELIKAR, PE, CFM

### Senior Water Resources Engineer



#### Years with the firm

15

#### Years total

15

#### Education

*Master's Degree,  
Environmental Engineering,  
Michigan Technological  
University, 2009*

*BS, Chemical Engineering,  
University of Pune, India,  
2005*

#### Professional registrations

*Professional Engineer  
(LA, TX)*

*Certified Floodplain  
Manager*

#### Professional associations

*Association of State Floodplain  
Managers*

*American Society of Civil  
Engineers*

*Louisiana Floodplain  
Managers Association*

#### Languages

*English*

#### Office location

*Nashville, TN*

#### CAREER SUMMARY

Ms. Kashelikar is a water resources engineer with experience in hydrologic and hydraulic modeling for a diverse range of projects including streamflow forecasting, dam break analysis, levee certification, no-rise determination, sanitary sewer analysis, stormwater design, reservoir operations, and flood risk assessment. Ms. Kashelikar has experience with ESRI GIS Software, HEC-1, HEC-2, HEC-RAS, HEC-HMS, HEC-ResSim, PCSWMM, InfoSWMM, FLO-2D, HAZUS-MH, and ICPR.

#### PROFESSIONAL EXPERIENCE

- **Louisiana Watershed Initiative Region 3 (Northeast Louisiana) >\$8M, 11/04/2020 - Present: Project Manager.**
  - Ms. Kashelikar is managing the development of hydrologic and hydraulic models in four watersheds in northeast Louisiana – Boeuf River, Bayou Macon, Bayou Cocodrie and Tensas River – adding up to over 5800 square miles. The full scope of this effort has involved conducting a data gap analysis and development of detailed methodologies to model each watershed. The modeling contract also includes scoping, public outreach, hydrologic and hydraulic analyses, consequence modeling and floodplain mapping. The watershed-scale models developed by WSP for the LWI program will serve as the basis for analysis of future developments, flood mitigation feasibility studies, watershed management strategies and consequence and risk assessment. The extensive hydraulic modeling effort will include development of a combination of 1-dimensional and 2-dimensional models using HEC-RAS and covering over 4,900 square miles.
- **Metro Nashville Stormwater Design, Nashville, TN, 2020, \$50,000 2020-2021: Project Engineer**
  - Developed a 2D model for a study area in the Green Hills neighborhood of Nashville, TN, near Ackerman Court. The hydrologic and hydraulic study analyzed the extent of flooding from a tributary to West Fork Browns Creek following rainfall events corresponding to the 2-year, 5-year and 10-year return periods. A combined 1D/2D model was developed using PCSWMM to evaluate flooding under existing and proposed conditions. Modeled proposed conditions scenarios included channel modification and culvert resizing. A video presentation was also developed to present results of the study to the affected community members.
- **State of Missouri Emergency Management Agency – Watershed RiskMAP Services, Multiple Watersheds, >2.5M, 2016 – 2021: Project Manager.**
  - Led a team of engineers, surveyors and geographic information systems personnel in performing field survey, developing hydrologic (HEC-HMS, regression, gage analyses) and hydraulic models for over 2,000 miles of streams in several HUC-8 watersheds, performing floodplain mapping and developing Risk MAP products. Supervised development of large scale 2D HEC-RAS models in over 3600 square miles of the Meramec River, Gasconade River and Bourbuese River Watersheds. ARCO/BP, South Tank Farm Barrier Wall Installation, East Chicago, Indiana, Engineering Design Services and Site Assessment





## **ASHWINI KASHELIKAR, PE, CFM**

### **Senior Water Resources Engineer**

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- **SRWMD FEMA Risk MAP Program, Suwannee River Water Management District, Live Oak, FL, Multiple Watersheds, >2.5M, 2012 – 2023: Lead Engineer.**
  - Lead engineer for the Lower Suwannee, Upper Suwannee, Santa Fe, Withlacoochee, and Waccasassa Watershed Risk MAP projects. Responsibilities have included developing and reviewing survey plans and supervising the execution of approximate and detailed studies for both riverine and closed basin flooding sources. Most recently, Ms. Kashelikar has led the large scale 2D modeling effort in over 800 square miles of the Santa Fe River watershed. The modeling effort has involved the use of both ICPR and HEC-RAS.
- **USACE Vicksburg District, USACE MMC Production Center - Corps Water Management System (CWMS) Model Development, Multiple Geographies, >1M, 2014 – 2018: Watershed Lead/Project Engineer**
  - Supervised the development of HEC-HMS, HEC-RAS, HEC-ResSim, HEC-FIA models and integration into CAVI in Thames River and Chemung River watersheds. As a project engineer, developed and calibrated HEC-RAS models in the Big Sandy River and Blackstone River and Pecos River watersheds and refined the HEC-ResSim model in the Yazoo River watershed.
- **State of Alabama ADECA OWR - Upper Alabama and Middle Coosa Watershed Risk MAP, Montgomery, AL, >1M, 2009-2013: Watershed Lead/Project Engineer**
  - Performed detailed hydraulics studies (HEC-RAS) for streams in Elmore and Autauga counties. Ms. Kashelikar also developed a FLO-2D model to route overflow from Mill Creek in Elmore County, AL and determine the resulting extent and depth of flooding within the City of Millbrook. In Talladega County, Ms. Kashelikar supervised the development of HEC-HMS, regression and HEC-RAS studies and managed the production of non-regulatory flood risk products associated with FEMA's RiskMAP projects.

### **PUBLICATIONS & PRESENTATIONS**

- Identification of Teleconnections and Improved Flood Risk Forecasts using Bulletin 17B, Ashwini Kashelikar, MTU M.S. Thesis, April 2009.
- Kashelikar, A.S., and V.W. Griffis, "Forecasting flood risk with Bulletin 17B LP3 model and climate variability" World Water and Environmental Resources Congress, 2008 Editors R.W. Babcock and R. Walton, American Society of Civil Engineers, Reston, Virginia, 2008.
- Kashelikar, Ashwini "A Case Study in Scoping, Modeling and Mapping FEMA Risk MAP Studies – Alligator Creek, FL", Tennessee Association of Floodplain Management Annual Conference 2016, August 23 – 25, 2016
- Kashelikar, Ashwini "Introduction to Risk MAP Products – What are these great toys (I mean, tools)?" Tennessee Association of Floodplain Management Annual Conference 2017, August 23 – 25, 2017

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Kristen Navaroli, PE Water Resources Engineer	
<b>Project Assignment:</b>	
Water Resources Engineer	
<b>Name of Firm with which associated:</b>	
WSP USA Inc.	
<b>Years' experience with this Firm:</b>	
4	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S., Biological Engineering, North Carolina State University / 2017	
<b>Active registration: Year first registered/discipline:</b>	
Professional Engineer: North Carolina, (052441) / Civil	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Kristen is a water resources engineer with over six years of experience. Kristen's experience includes hydraulic structures, watershed planning, scour analysis, drainage design, climate resiliency assessments, and GIS data analysis.	



## KRISTEN NAVAROLI, PE

### Water Resource Engineer



#### CAREER SUMMARY

Kristen is a water resources engineer with over six years of experience. Kristen's experience includes hydraulic structures, watershed planning, scour analysis, drainage design, climate resiliency assessments, and GIS data analysis.

#### EDUCATION

B.S., Biological Engineering, North Carolina State University,  
Raleigh, North Carolina

2017

#### PROFESSIONAL EXPERIENCE

##### Years with the firm

4

##### Years total

6

##### Professional qualifications

Professional Engineer

##### Areas of practice

Water Resources

Hydraulic Structures

Scour

Climate Resiliency

##### Languages

English

- **Pinellas County Infrastructure Resiliency Pilots, Florida:** water resources engineer supporting a series of climate resiliency pilots studying the impacts of climate change on County owned assets and evaluating alternatives to increase future resiliency. Pinellas County is largely the peninsula and barrier islands located between Tampa Bay and the Gulf of Mexico. The County is heavily populated but low-lying and at risk due to changing sea levels and storm surge conditions. The study included evaluations of storm surge impacts as a wastewater treatment / water reclamation facility, storm surge impacts to a wastewater lift station, sea level rise impacts to a storm drain system serving a principal arterial roadway, sea level rise impacts on a storm drain system serving a residential neighborhood, and storm surge impacts on a hurricane evacuation route.
- **Pensacola Bay Bridge, Pensacola, Florida:** engineer that conducted the hydraulic reevaluation and scour computations for the design/build replacement of the Pensacola Bay Bridge. The project included dynamic ADCIRC+SWAN modeling of coastal design storm conditions. Bridge foundation scour calculations were performed following FDOT scour methods for complex and multiple piers. Wave impact calculations were performed following AASHTO guidance for loadings on piers. Additionally, the design included the development of riprap and ACBM revetment designs for the protection of approach roadway embankments. The embankments required protection from both storm surge and wave impact erosive forces.
- **Wake Transit Plan Bus Rapid Transit (BRT), 30 Percent Drainage Design, Raleigh, North Carolina:** engineer that conducted the hydraulic analysis utilizing EPA SWMM to evaluate the current capacity of the drainage infrastructure. The existing hydraulic capacity of the pipe was evaluated in conjunction with its potential to convey additional flow as part of the BRT proposed roadway improvements. Assisted in the 30% drainage design in Microstation incorporating green infrastructure stormwater design and water quality measures.
- **Matthew Mitigation Site CLOMR, Four Oaks, North Carolina:** project engineer assisting in the hydraulic analysis and CLOMR application. The project included a natural channel design through a previously drained pond. Since the proposed improvements result in an increased one percent Annual Chance water surface elevation, the project required CLOMR approval.
- **Cutchin Drive Storm Drainage Improvements Project, Charlotte, North Carolina:** engineer that assisted with the 98 percent design submittal which involved design plan edits, quantities, and special provisions. This project



**KRISTEN NAVAROLI, PE**

*Water Resource Engineer*

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- includes an existing conditions analysis, alternative analysis, and design of the selected alternative for storm drainage improvements along the system.
- **Deicing Pad and South Crossfield Taxiway, Charlotte Douglas International Airport, Charlotte, North Carolina:** engineer that produced the 30 percent schematic design plans for the Coffey Creek culvert running under the proposed deicing pad. The project's design includes three major components: (1) new deicing pad, (2) extension of Taxiway F, and (3) a new taxiway that will connect east and west sides of the southern airfield.
  - **FDOT Scour Critical Bridge Analysis, Florida:** hydraulic engineer conducting hydraulic analysis on existing structures in riverine and tidal environments for the Florida Department of Transportation. Tasks included hydraulic modeling of existing structures utilizing HEC RAS and scour analysis of simple and complex piers using the latest FDOT local scour guidance. This analysis was used in support of Phase 2, Phase 3, and Phase 4 Scour Reports for scour criticality.
  - **Walnut Creek Basin Restudy, Cary, NC:** Conducted the hydrologic and hydraulic analysis of the Walnut Creek watershed in EPA SWMM. The evaluation included determining the current capacity of the existing infrastructure and identifying areas of private property structural flooding. Floodplain maps were derived using the integration of EPA SWMM and GIS software. A risk assessment report was generated using floodplain boundaries and key structure elevations to determine the areas of the watershed that should be prioritized for drainage improvements. Alternatives were crafted and prioritized based on the level of overall watershed improvements and community impacts.
  - **Clark Avenue Emergency Culvert Repair, Raleigh, NC:** Assisted on the emergency repair project by analyzing the current hydraulic capacity of the culvert and providing design recommendations for the culvert replacement. The existing contributing watershed and infrastructure was modeling using EPA SWMM. This project was an emergency repair and had a condensed timeline. Deliverables included construction plans and hydraulic summary memorandum.
  - **Lake Wheeler Road Emergency Culvert Repair, Raleigh, NC:** Conducted the hydrologic and hydraulic analysis of the failing culvert under Lake Wheeler Road using EPA SWMM. The hydraulic model determined the culvert's existing level-of-service and proposed drainage improvements considered potential development upstream. Design recommendations were proposed based on the hydraulic performance of the pipe and the materials available to the client. This emergency project was expedited to reduce lane closures and eliminate the public safety hazards.
  - **Withers Basin Watershed Study, Myrtle Beach, SC:** Conducted the hydrologic and hydraulic analysis in EPA SWMM of the existing stormwater conveyance system within the Withers Basin. Floodplains derived from EPA SWMM and GIS were compared to FEMA floodplains effective prior to expansive development of the coastal city. The watershed possessed drainage problems consistent with coastal areas. Alternatives included stormwater control measures and other green infrastructure to provide water quality improvements as well as hydraulic retention.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
David Loduca, Ph.D., PE, LEED AP Professional Associate, Certified Project Manager Supervising Electrical Engineer
<b>Project Assignment:</b>
Electrical Engineer
<b>Name of Firm with which associated:</b>
WSP USA Inc.
<b>Years' experience with this Firm:</b>
25
<b>Education: Degree(s)/Year/Specialization:</b>
Ph.D., Engineering Management, Missouri University for Science and Technology / 2011 M.S., Engineering Management, University of Missouri – Rolla / 2005 B.S., Electrical Engineering, Virginia Military Institute / 1981 A.A.S., summa cum laude, Management, Virginia Western Community College / 1985
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer: Louisiana, 1998 (28117) / Electrical, Virginia, 1990 (20603); California, 1998 (E15878); Texas, 2007 (99060), U.S. Green Building Council LEED BD+C Accredited Professional Record: National Council of Examiners for Engineering and Surveying, 1990; (9600) Project Management Professional (1826714)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>David (Dave) is a supervising electrical engineer with WSP. He is experienced on projects including industrial facilities, light rail and subway lighting and electrical systems, highway lighting, renewable energy, airport land side facilities, telecommunications facilities, government facilities, campus lighting, educational facilities, transportation maintenance facilities, commercial offices, restaurants, retail stores, and gas stations.</p> <p>Dave's duties include power distribution and lighting design, grounding, fire detection and alarm, public address, intrusion detection, CCTV, code compliance, and utility coordination. He prepares specifications, construction cost estimates, and calculations such as lighting level, voltage drop, and short-circuit/coordination. He supports construction management and administration by answering RFIs and conducting site surveys, inspections, submittal reviews. Dave's supervisory duties include plan-checking, design reviews, scheduling and staging personnel, and ordinary supervisory tasks for an electrical design group.</p>





## DAVID LODUCA, PHD, PE, LEED AP

### Principal, Supervising Engineer

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Years with the firm

25

Years total

43

Education

PhD, Missouri University of  
Science & Technology, 2011

MS, University of Missouri-  
Rolla, 2005

AAS, Virginia Western  
Community College, 1995

BS, Virginia Military  
Institute, 1981

Professional Registrations

Professional Engineer:  
LA (28117), 1998

LEED AP, 2003

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#### CAREER SUMMARY

Dave is a supervising engineer registered in Louisiana with experience in electrical systems design. He will review adequacy of electrical service and feeder distribution, lighting, and provisions for backup power. Dave currently serves as project manager for an on-call contract with the LADOTD under which WSP has completed the inspections and upgrades of four Department-owned pump stations and is currently in the design phase of upgrading three others. In addition to his leadership on multiple pump station projects, Dave has been an electrical and design lead for a broad range of projects, such as industrial facilities, subway and light rail, telecom facilities, and maintenance fueling facilities.

- New Sarpy Pump Station Upgrades, New Sarpy, Louisiana: Project Engineer. WSP providing mechanical, electrical and SCADA/telemetry services for the New Sarpy Pump Station Upgrades. St. Charles Parish desires to increase the pumping capacity of the facility from 150 to 250 cfs. Full upgrades will include hydraulic, structural, site civil, mechanical, electrical and SCADA/telemetry. The first phase of the project includes an initial site investigation and assessment of the existing station to provide the Parish with recommendations for station upgrades. In the second phase, WSP will prepare preliminary and final plans and provide support through bidding and contracting and construction administration phases. Client: St. Charles Parish.
- H.010439.5 Boyd Avenue and 21st Street Pumping Station Improvements, Baton Rouge, Louisiana: Project Manager for rehabilitation of existing storm pump station facilities serving I-110 consisting of dry pit and vertical turbine pumps. Included five main and low-flow dry pit pumps and the Boyd Avenue station, five main and low-flow vertical turbine pumps at the New 21st Street station and two main dry-pit pumps at the Old 21st Street station. Facility upgrade involved pump replacement; upgrades of electrical service, distribution, motor controls, lighting, gas detection equipment and building ventilation; and new doors, pit-access ladders, and a chain hoist. Project also included repair of building finishes, station walkways, stairs and railings; and new overhead gantry cranes for pump equipment. Client: LADOTD.
- H.972249.1 Airline Drive Pumping Station Improvement, Metairie, Louisiana: Project Manager providing engineering design services that included a generator study for the Airline Drive Underpass Drainage System Pump House at the Causeway Interchange on Airline Drive in Metairie, LA and the New Orleans East Maintenance Unit Facility. WSP provided electrical design services that included replacement and upgrade of the electrical equipment and worked in close coordination with the Department of Environmental Services from the City of Baton Rouge, and Entergy, the local electrical utility, in order to satisfy the Department's specific needs and requirements. WSP managed development of the contract plans, specifications, and construction cost estimates, and assisted in contract letting for the projects. Tasks included reviewing shop drawing submittals and responding to requests for information. Client: LADOTD.
- H.010565.5 Acadian Thruway Pumping Station Improvements, Baton Rouge, Louisiana: Project Manager. This project was for the rehabilitation of an existing storm pump station facility serving Acadian Thruway consisting of two dry pit main pumps. The facility upgrade involved pump replacement; upgrades of electrical service, distribution, motor controls, lighting, gas detection equipment,



DAVID LODUCA, PHD, PE, LEED AP

Principal, Supervising Engineer

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pit and building ventilation; and new doors, and pit-access ladders. The project also included repair of building finishes and station walkways. Client: LADOTD.

- H.010253 Bluebonnet Pump Stations, Baton Rouge, Louisiana: Project Manager for rehabilitation of existing storm pump station facility serving Bluebonnet Boulevard near Mall of Louisiana consisting of three existing dry pit main pumps. Facility upgrade involved pump controls replacement; upgrades of electrical service, distribution, motor controls, lighting, gas detection equipment, pit and building ventilation; and new doors, and pit-access ladders. Project also included upgrade of the existing standby generator installation, repair of building finishes, soffits, roof, station walkways, stairs and railings; and also including new doors, pit-access ladders, chain hoist. Client: LADOTD.
- H.010251 Chippewa Storm Pump Stations, Baton Rouge, Louisiana: Project Manager for a hydrology evaluation to assisting in scoping the upgrade of the existing dry pit pump station. WSP performed a simplified peak flow analysis using the Rational Method Formula. The study defined the basin boundaries, pervious and impervious area and time and concentration using LIDAR information from GIS and existing drainage as-built plans. The study established the intensity of the 50, 25, and 10 year/24 hour storm. In addition, the study performed an evaluation of the existing Chippewa Station and provided a preliminary pump selection and existing wet well volumetric analysis to support a planning level opinion regarding the practical expansion limits of station pumping equipment. Client: LADOTD.
- Pontchartrain Levee District, Cross Bayou Pump Station Inspection and Assessment. Project Engineer/Project Manager. The Cross Bayou Pump Station is owned by the Pontchartrain Levee District. The District desires to transfer the Station to ownership of St. Charles Parish. Prior to the transfer the station will undergo an in-depth inspection and assessment of the infrastructure. The Project Team will review O & M experience, develop a Rough Order Repair Estimate, and develop a Scope of Services and Plan for refurbishment of the Statement. A partial listing of the systems included are Diesel Pump Drives, Fuel Transfer and Storage Tanks, Power Take Off and Gear Reducer, Main Pumps, Auxiliary Pumps, Standby Generator, Trolley System, Automated Bar Screen and Telemetry and Controls. Client: Pontchartrain Levee District.
- Fire Pump Replacement Project, Lima, Ohio. Project Engineer. WSP USA was retained by a Confidential Client in Ohio to develop a hydraulic model of the fire water distribution network and to evaluate the system for sizing new diesel pumps. The Confidential Client operates a multi-building industrial campus that is served by a dedicated water distribution network to meet fire protection demands that use two 30-year old diesel pumps that discharge into the same fire water distribution network and located in adjacent buildings. In addition, WSP provided design services involving phased demolition of one of the pump building and phased construction of new addition to the other pump building to accommodate two new diesel pumps. WSP provided construction documents for hydraulic modifications for the new pump installation as well as architectural, structural, mechanical, electrical and fire protection services for the upgraded pumping facility. Client: Confidential

## TEC Professional Services Questionnaire

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

<b>PROJECT NO. 1</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Louisiana Watershed Initiative – Region 3 Modeling Contract Boeuf River, Bayou Macon, Tensas River and Bayou Cocodrie Watersheds, Louisiana</p> <p>LADOTD Ms. Jie Gu, PE 225.379.1483 Jie.Gu2@la.gov</p>	<p>WSP was awarded the contract to model Louisiana Department of Transportation &amp; Development (DOTD) Modeling Region 3 as a part of the Louisiana Watershed Initiative (LWI) statewide modeling effort. This Region encompasses four watersheds in northeast Louisiana, including the Boeuf River watershed (HUC8 #08050001). The first part of this modeling effort included data gap analysis and development of detailed methodologies to model each watershed. Additionally, multiple diversions, weirs and other flood control structures make for very complex flow patterns. The modeling contract also includes scoping, public outreach, hydrologic and hydraulic analyses, consequence modeling and floodplain mapping. The watershed-scale models developed by WSP for the LWI program will serve as the basis for analysis of future developments, flood mitigation feasibility studies, watershed management strategies and consequence and risk assessment. Across the four watersheds in Region 3, WSP is modeling over 2,900 miles of streams. The models will incorporate extensive survey data for hydraulic structures (over 1600 structures) and channel bathymetry (over 800 channel cross-sections) that is being collected by the WSP Team. The hydrologic and hydraulic models will be calibrated to multiple historic events and will include both one- and two-dimensional models developed using Hydrologic Engineering Center's (HEC) suite of software products.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$ 12,000,000	\$10,500,000

<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Louisiana Gulf Terminal Mainline Extension, Plaquemines Parish, LA</p> <p>Confidential Client Plaquemines Parish, LA</p>	<p>WSP was selected to perform engineering design and permitting services for a freight rail mainline extension project. The project includes assistance with environmental approvals and development of engineering plans using Union Pacific Railroad standards to construct a nearly 9-mile mainline extension from the current NOGC terminus north of Ironton, LA to Woodland, LA in Plaquemines Parish. The project will develop the subgrade, drainage and permitting assistance to accommodate a proposed single mainline track (Phase 1) and expansion to a future double track mainline with access road (Phase 2). The project encompasses integration and coordination with federal, state, and local public agencies and multiple private entities including Industries, Utility owners, and private landowners. A double track roadbed with an access road is included in this project to accommodate a future 2nd mainline once the new Plaquemines Container Terminal is completed. Scope of work includes rail design, geotechnical and surveying services, drainage design, roadway design, utility coordination and relocations, construction administration and Project Closeout.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
On Hold (30% design submitted 12/2022)	\$20,000,000	\$4,500,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<p>Louisiana Watershed Initiative White Castle Drainage Improvements</p> <p>Iberville Parish Government Office of the Parish President 225.687.5190 JBurleigh@ibervillparish.com</p>	<p>WSP is a subconsultant providing engineering services to Iberville Parish for the White Castle Drainage Improvements project. The White Castle Canal serves as major drainage lateral for the rural portion of Iberville Parish and the Town of White Castle. The 4.5-mile canal conveys storm runoff from local residences, farms, and businesses to Lake Natchez.</p> <p>This proposed project will consist of the removal of accumulated sediment for approximately 4.5 miles of the channel bottom and immediate adjoining side slope to match historical grade lines. The project will include the removal of siltation above historical channel bottom grade lines and settled eroded materials on the bottom of the channel and the disposal of all excavated soils.</p> <p>WSP is responsible for the channel widening and deepening design, spoil bank placement, earthwork calculations and providing plan, profile, and cross section construction documents.</p>	
Completion Date (Actual or estimated)	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
July 2024	\$2,200,000	\$ 26,720

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>LADOTD Mechanical and Electrical On-Call Baton Rouge, Louisiana Sarah Golz Louisiana Department of Transportation and Development Public Works, Hydraulic Section 225-379-1430 Sarah.Golz@LA.GOV</p>	<p>Under a statewide retainer contract with the LADOTD, WSP provided engineering design services for rehabilitation of storm water pumping stations along the I-110 Corridor in Baton Rouge, Louisiana as well as US 61 in Jefferson Parish, Louisiana. As part of the overall program of pump station upgrades, WSP was the prime consultant for rehabilitation efforts of 6 pump stations. WSP provided initial inspection and assessment as well as architectural, mechanical, electrical, hydraulic design services, structural and civil design services. Task orders for this contract have included:</p> <p>•<b>H.010439.5 Task Order No. 2:</b> Boyd Avenue Pump Station (total pumping capacity = 35.7 cfs); Old 21st Street Pump Station (total pumping capacity = 42.3 cfs); New 21st Street Pump Station (total pumping capacity = 53.5 cfs); Site investigations and scoping; Design and construction administration.</p> <p>•<b>H.010565.5 Task Order No. 4:</b> Acadian St Pump Station (total pumping capacity = 6.7 cfs) WSP scope of work included: Site investigations and scoping; Design and construction administration.</p> <p>•<b>H.972249.1 Task Order No. 5:</b> Airline Drive Pump Station (total pumping capacity = 33.42 cfs); Design and construction administration as well as a standby generator study for the East New Orleans Maintenance Facility and the Airline Drive Pumping Station</p> <p>•<b>H.010251 Task Order Nos. 8 and 10:</b> Chippewa Pumping Station (total pumping capacity = 33.42 cfs): included a hydrology study to compare the existing capacity to the 2-, 5- and 10-year storms, and a follow-on study to include 25- and 50-year storms; design and construction administration.</p> <p>•<b>H.010253 Task Order No. 9:</b> Bluebonnet Boulevard Stations (total pumping capacity = 23.4 cfs): Design, construction administration and follow-on work to provide an advanced warning system for motorists at the roadway segment protected by the pump station</p>	
Completion Date (Actual or estimated):	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$ 4,529,885	\$830,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Louisiana Watershed Initiative Town of Maringouin Drainage Improvements, Maringouin, LA Mayor Maurice Harris 225-642-2630 tom@spillwaycable.com	WSP is a subconsultant providing QA/QC and technical oversight on the Town of Maringouin Drainage Improvements Project. The project includes improvements and replacement of the existing drainage systems components, including open channels, drainage structures and culverts. Existing pipes and structures that are inadequate for proper stormwater conveyance will be removed and replaced with those that are adequately sized to handle storm surge. Existing ditches and other open conveyance channels will be resized, sediment accumulation removed, regraded and, in some cases hardened, to convey required storm event runoff within the town limits.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
02/2025	\$ 902,497	\$ 13,500

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Cross Bayou Pumping Station Assessment St. Charles Parish, LA Pontchartrain Levee District Monica Salins Gorman 225-869-9721 mgorman@leveedistrict.org	<p>The Cross Bayou Pumping Station (CBPS) was completed in 2011 by the Pontchartrain Levee District as part of a post-Katrina flood protection upgrade and is designed to keep homes and businesses dry within the drainage basin that encompasses Destrehan and St. Rose; it is a key facility among the many pumping stations serving St. Charles Parish.</p> <p>The CBPS has five 1000 hp diesel main, and one 250 hp low-flow submersible pumps that, combined, provide over one half million gallons per minute of flow capacity. The Pontchartrain Levee District, owner of the Cross Bayou Pumping Station, commissioned WSP to perform an assessment of the station as part of a due diligence in anticipation of a full and complete transfer of ownership to the St. Charles Parish Department of Public Works and Wastewater.</p> <p>WSP focused on several key systems: the 1000 hp diesel pump drives, including the radiators and cooling air circuit; individual day and main fuel tanks, including the fuel transfer piping and systems; power takeoff, right-angle gear reducer, and linkage assemblies of each main pump, including the water lubrication system; the main pumps, including the accessory water lubrication system; the standby generator, including the transfer switch; the bridge crane; the bar screen and motorized trash rake; the lighting and electrical system; the main station ventilation system; and the telemetry and controls.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2023	\$ 76,000	\$ 76,000



## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Midtown Tunnel Stormwater Pump Stations Norfolk, VA Virginia Department of Transportation Jim Long 757-494-5470	The Midtown (Elizabeth River) Tunnel project included five stormwater pump stations. One of these, the Midtown Tunnel Stormwater Pump Station, pumps stormwater and tunnel wash water received from the tunnel low point pump station which discharges to the tidally-influenced Elizabeth River. WSP's design for the tunnel involves stormwater pumping of rainfall on the open approach. The area is well below the FEMA tidal flood plain and approach roads must be protected from tidal surge overflowing into the tunnel. This is accomplished by isolating the entrance to the tunnel and draining it by means of stormwater pumping. Levees were required and approach roads elevated or isolated with flood walls to prevent the rainfall events that flood Tarrant Creek from overflowing into the tunnel. The drainage design must meet the 25 year rain event. However, given that the area is experiencing sea level rise, the basis for design included a modification to consider the future 25 year tide event.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
11/2014	\$3,500,000	\$3,100,000

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Eastern Shore Drive Stormwater Pump Stations Virginia Beach, VA City of Virginia Beach Mike Mundy 757-385-8452	WSP is providing planning, design, permitting and construction services for three stormwater pump stations and associated conveyance systems to protect the community against rainfall and tidal inundation flooding and is located adjacent to the Chesapeake Bay and Atlantic Ocean. The three pump stations range in size from 45,000 to 80,000 gpm. The largest pump station will be a Smart Pump Station and will usher in a new era of flood protection using automated logic controls to provide flooding protection against tidal influence and rainfall. Pump station controls will be interconnected with other pump stations and consider remote operation and storm forecasting for preemptive action. This is a multi-disciplinary project including water, civil, structural, architectural, traffic, mechanical, electrical, and environmental disciplines.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
12/2020	\$83,000,000	\$ 7,000,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Morrisville Carpenter Road Culvert Study Morrisville, NC Town of Morrisville Joshua Baird 919-463-6908 jbaird@townofmorrisville.org</p>	<p>As a precursor to roadway widening, we conducted both hydrologic and hydraulic analysis of an existing culvert crossing under Morrisville Carpenter Road. With the intent of widening to increase capacity, the town decided to assemble a comprehensive assessment of the current/future culvert performance. We performed all relevant analysis using ArcGIS, and HEC-HMS modeling systems. Additionally, our team developed an alternatives analysis, with preliminary construction cost, for the replacement of the existing dual 72-inch RCP.</p> <p>The current crossing is not mapped or modeled within the existing FEMA floodplain mapping database, as such, our team created an existing conditions model to be used as a basis for design. The model was then adjusted to account for higher future peak flows and two alternatives were selected, which adequately conveyed the design discharge.</p> <p>We developed a watershed model for this 1 square mile watershed in Wake County to develop a design that accounts for the 2-, 5-, 10-, 25-, 50-, and 100-year storm events.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
11/2015	\$ 38,899	\$ 38,899

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Pierson-Greenhaven Storm Drainage Improvement Project Charlotte, NC City of Charlotte Harold Smith 704-432-5532</p>	<p>The City of Charlotte initiated this project to address frequent and severe flooding of residential properties and public roadways in the Pierson-Greenhaven neighborhood, which is a 110-acre area of mostly residential development within the Edwards Branch watershed. WSP provided planning and design to mitigate flooding including existing conditions analysis, development of alternatives, and final design of measures to alleviate the problems, including drainage system upgrades, channel improvements, and culvert replacements. Our team developed a solution that greatly reduced expected construction impacts and need for easements by designing a bypass alignment that utilized existing right-of-way. The project involved the use of HEC-1, HEC-RAS, HEC-GeoRAS, StormCAD, AutoCAD and Civil3D.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
12/2016	\$ 5,000,000	\$ 413,741

## 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		
2.		
3.		
4.		

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

Please see additional information.

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

Signature:  \_\_\_\_\_ Print Name: Max Nassar \_\_\_\_\_

Title: Senior Vice President Managing Director \_\_\_\_\_ Date: 6/19/24 \_\_\_\_\_

## Introduction

WSP USA offers over a century of experience in the planning, design, and construction management of municipal infrastructure projects, including water, wastewater, drainage and roadways nationwide. WSP is an industry leader in developing infrastructure solutions for the way we will live in the 21st century.

WSP USA Inc. is a leading engineering professional services consulting firm. Nationally, our staff of 10,000+ provide engineering and multidisciplinary services in a vast array of industry sectors, with a focus on technical excellence and client service. The firm has a 132-year history, with roots in companies founded in the United States, the United Kingdom and Canada. WSP is committed to performing our services in a socially, ethically and environmentally responsible manner. In the United States, the firm's roots date back to 1885.

We offer expertise in every phase of project delivery, from concept to completion. Our services include strategic consulting, program management, planning, engineering design, construction management, and operations & maintenance.

Municipalities rely on us to execute projects under every form of project delivery, including design-

build and public-private partnership. We employ the latest technologies and methodologies to develop infrastructure that addresses anticipated demographic, social, and economic changes, and we plan and design infrastructure systems to be resilient to the threats posed by climate change.

Our engineers and planners view municipal infrastructure planning and design to improve the communities in which we live and work, and wherever possible we apply the latest concepts in sustainable development to improve social, economic, and environmental conditions.

We help our clients find the right solutions to their challenges through innovative planning and design, deep knowledge of the federal and local regulatory environments, and strong management of project delivery.

In addition to a full range of specialized services, we provide broad oversight and direction for complex mega projects, working on integrated teams with our

clients to deliver some of the world's largest and most well-known infrastructure projects.

To every project we bring a total commitment to achieving client goals, with strict attention to schedule and budget, drawing on the multidisciplinary skills of professionals across the U.S.

WSP was selected as a Prime Contractor for the 2023-035D-WRB Kenner Waterline Project (21<sup>st</sup> Street to 14<sup>th</sup> Street) (Resolution #143101). This project consists of installing a new 42" transmission line along Airport Access Rd from 21<sup>st</sup> Street to 14<sup>th</sup> Street. Anticipated installation methods will include CompressionFit, open cut and horizontal direction drilling (HDD). The segment of waterline includes an aerial crossing over West Metairie Canal, which will be relocated under the canal via HDD installation method. Project is currently in contract negotiations with Jefferson Parish and work is anticipated to start Q3 of 2024.

## Minimum Qualifications

1. One principal who is a professional engineer who shall be registered as such in Louisiana.

Senior Vice President, Ian Chaney, PE is WSP's National Director for Geotechnical and Tunneling. He maintains his Louisiana PE (0042288) and will serve as the Principal for any work WSP is awarded by Jefferson Parish. He brings 21 years of experience to this team.

2. 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.

Rebecca Howell, PE will serve in the role of Professional in Charge and Project Manager. She has 12 years of experience in civil engineering, including consulting experience in engineering, design, project management. Rebecca's project experience includes water distribution system design, sanitary and storm water collection systems, sanitary sewer lift station and force main design, drainage impact analysis, HEC-RAS modeling (1D and 2D), off-system bridge replacements, subdivision, and commercial site design. Rebecca serves as the Project Manager and Project Engineer on the 2023-035D-WRB Kenner

Waterline Project (21<sup>st</sup> Street to 14<sup>th</sup> Street). Her resume is included in this submission.

3. One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.

Brian Hundt, PE and Rebecca Howell, PE both meet the requirements of MPR #3.

### Evaluation Criteria

1. Professional training and experience in relation to the type of work required for the routine engineering services.

WSP has extensive experience with and an understanding of stormwater and drainage conveyance, hydrologic processes, and stormwater pump station design.

The controlling factors governing the design discharges and flow volumes in urban pipe networks and open channel systems are a key component in providing successful solutions to Jefferson Parish's drainage needs. Dense development of a watershed and a high percentage of impervious cover generates rapid runoff of stormwater and extremely high peak flow volumes. Limitations on peak flows created by aged and undersized conveyance systems act to dampen the peak flows in interceptors and at outfalls, but in-turn causing increases in flooding in upland neighborhood locations along the watershed. Understanding these existing hydrologic processes is necessary to fully examine the potential success of a proposed project.

Our team brings a highly skilled set of water resources engineers that have experience developing dynamic runoff hydraulic models in urban environments. We have experience in developing hydrologic watershed / sewershed models using Rational Method, TR-55, TR-20, HSPF, HP-SWMM, or EPA SWMM. These dynamic models will be developed in consideration of both the flashy nature of stormwater flows in the Parish and considering system constraints that will limit the conveyance of peak flows through the system.

For hydraulic modeling, our team includes technical experts in the development and implementation of piped and open channel conveyance system models. Our team members have both the capacity and capability of delivering on any modeling task from

simple HGL hand computations to two-dimensional modeling exercises. We are experienced in all phases of modeling from development and calibration to the execution and routine updates of models to test various proposed condition scenarios.

2. Capacity for timely completion of newly assigned work, considering the factors of type of routine engineering task, current unfinished workload, and person or firm's available professional and support personnel.

WSP has the capacity to complete all tasks that might be assigned under this contract. The individuals identified, resumes provided, have the availability to start work immediately. WSP prides itself in providing high quality services on time and within our clients' budgets.

Even if there is an aggressive schedule, we can provide resources quickly to meet demands. With more than 2500 professionals located in the firm's Southeast region, we can staff projects and contracts large and small, simple, and complex, at a moment's notice.

3. Location of the principal office where work will be performed.

WSP's office is located at 1100 Poydras Street in New Orleans. Most of the work will be performed from this office. There could be instances when a subject matter expert is needed, and their work could be performed remotely, but all work will undergo the strict quality control and assurance reviews in our New Orleans office. This ensures that all state and local regulations and requirements are met.

4. Adversarial legal proceedings between the Parish and the person or firm performing professional services.

WSP USA Inc. has had NO legal proceedings with Jefferson Parish.

5. Prior successful completion of projects of the type and nature of routine engineering services, as defined, for which firm has provided verifiable references.

WSP has a portfolio of experience that spans from planning, design, and construction management of large diameter pipelines, sewers, outfalls, water



and force mains, separate and combined collection systems, pump stations, flow control facilities, as well as special structures related to the storage, transmission and conveyance of water, wastewater, and reclaimed water. Jefferson Parish will benefit from the lessons learned and innovative solutions we bring from similar projects. The projects included in the questionnaire all have verifiable references.

6. Size of firm, considering the number of professional and support personnel required to perform the type of routine engineering tasks, including project evaluation, project design, drafting of technical plans, development of technical specifications and construction administration.

Nationally, our staff of 10,000+ provide engineering and multidisciplinary services in a vast array of industry sectors, with a focus on technical excellence and client service. In Louisiana, we have a staff of 38. We will assemble our team as we see the scope of the work for any engineering tasks.

7. Past Performance by person or firm on Parish contracts.

WSP is currently completing work on the Jefferson Parish Bonabel Blvd. Improvements project. Brian Hundt, PE is serving as the project engineer on the Bonabel Blvd. project. His resume is included in this package. WSP anticipates starting work in Q3 of 2024 on Project 2023-035D-WRB Kenner Waterline Project (21st Street to 14th Street) (Resolution #143101), which will be lead and managed by Rebecca Howell.

Additionally, all proposed team members have experience working on projects within Jefferson Parish or in neighboring Parishes. In addition, our Louisiana Area Manager, Max Nassar, will serve as Officer in Charge. Max will ensure that Jefferson Parish receives the highest quality of service and deliverables.

Max is a life-long resident of Louisiana and will devote his considerable efforts to understanding the challenges faced by the Parish and will make sure that the very best individuals are assigned to exceed your expectations of our firm.

## Statement of Qualifications

### AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Max Nassar  
, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Senior Vice President of WSP USA, Inc. (Entity),  
the party who submitted a Statement of Qualifications (SOQ) to 24-015  
Routine Engineering Services for Drainage Projects (Briefly describe the services the SOQ  
will cover), to the Parish of Jefferson.

Affiant further said:

#### Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A X

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

Solicitation of Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all elected officials of the Parish of Jefferson, whether still holding office at the time of the affidavit or not, where the elected official, individually, either by **telephone or by personal contact**, solicited a campaign contribution or other monetary consideration from the Entity, including the Entity's officers, directors and owners, and employees owning twenty-five percent (25%) or more of the Entity, during the two-year period immediately preceding the date the affidavit is signed. Further, to the extent known to the Affiant, the date of any such solicitation is included on the attached list.

Choice B X there are **NO** solicitations for campaign contributions which would require disclosure under Choice A of this section.

Affiant further said:

Subcontractor Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Affiant further said that attached is a listing of all subcontractors, excluding full time employees, who may assist in providing professional services for the aforementioned SOQ.

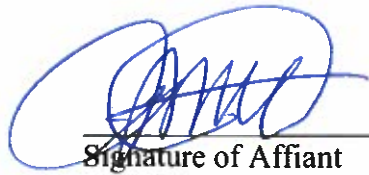
**Choice B**   X   There are **NO** subcontractors which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

MAX NASSAR

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 12<sup>th</sup> DAY OF June, 2024 in Baton Rouge, Louisiana.



Notary Public

Phaedra Canright

Printed Name of Notary

83530

Notary/Bar Roll Number



My commission expires lifetime, Ascension



Contributions by Affiant, Max Nassar		
ELECTED OFFICIAL	Date	Amount
JEFFERSON PARISH		
Dominic Impastato, Councilmember		
	April 21, 2022	\$100.00
	May 21, 2022	\$100.00
	June 21, 2022	\$100.00
	July 21, 2022	\$100.00
	August 21, 2022	\$100.00
Deano Bonano	April 28, 2023	\$100.00
Jack Rizzuto, Candidate Jefferson Parish Council		
	August 14, 2023	\$1,000.00
	September 28, 2023	\$1,500.00