

July 16, 2024  
ELECTRONIC SUBMISSION

Submitted to Jefferson Parish  
Government  
Submitted by AECOM



SOQ 24-021

# Routine Engineering Services for Streets Projects

Jefferson Parish Government  
Res No. 144319

Delivering a better world



## 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:**

Routine Engineering Services for Streets Projects - Resolution No.144319

**B. Firm Name & Address:**

**AECOM**

AECOM Technical Services, Inc.  
1555 Poydras St. Suite 1200  
New Orleans, Louisiana 70112

**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:**

Michael Patorno, PE - Vice President  
504.338.9789  
mike.patorno@aecom.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.**

Sreenivasulu "Sreeni" Bollu, PE - Project Manager  
985.951.0413  
sreeni.bollu@aecom.com

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

<u>3</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>1</u> Architects (Licensed)	<u>7</u> Geologists	<u>13</u> Structural Engineers
<u>5</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>70</u> Civil Engineers	<u>0</u> Interior Designers	<u>38</u> Project Managers
<u>2</u> Construction Inspectors	<u>3</u> Landscape Architects	<u>0</u> Clerical
<u>1</u> Ecologists	<u>0</u> Land Surveyor	<u>2</u> Grant/Funding Specialist
<u>8</u> Electrical Engineers	<u>12</u> Mechanical Engineers	<u>0</u> Sanitary
<u>0</u> Engineer Intern	<u>12</u> Environmental Engineers	<u>43</u> Other
<u>0</u> Professional Land Surveyors		<u>218</u> <b>TOTAL</b>

*\* These numbers only represent our staff in Louisiana*

**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.  
N/A

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:**

\_\_\_\_\_

**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:**

Michael Patorno, PE  
Vice President, National Water Business Line, Heavy Civil Lead

**Project Assignment:**

Principal-in-Charge

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

30

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

BS/1983/Civil Engineering

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

2008/Professional Engineer/Civil/LA/24197  
Also a PE in TX, MS, AL, AR

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

Mr. Patorno is a professional engineer with experience as a Program and Operations Manager overseeing the programs within the gulf coast, including both federal and non-federal programs. Programs and projects include planning, designs, program and construction management, and permitting. This work includes oversight and management of various departments in transportation, water resources, structural, geotechnical, general civil, program and construction management, as well as environmental permitting and regulatory. Mr. Patorno has also run major programs as large as \$2B in size and spanning many years. These major programs required managing staff from over a dozen separate AECOM offices while providing coordination with numerous federal, state, and local stakeholder agencies, as well as with no-governmental organizations. He has also exported his expertise around the company for programs in California, Florida, Texas, Mississippi, the Northwest, and most recently on the East Coast.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Michael Patorno, PE, Principal-in-Charge**

**Program Management, 1998 Road Bond Improvement Program, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Principal for Jefferson Parish's \$275M Program, which includes 112 roadway and bridge projects throughout the Parish. The project included writing contracts and amendments for engineer's contracts; planning meetings; coordination of consultants Parish departments, Parish's politicians, SELA, LDOTD (when necessary), railroad companies and public and private utilities; approving consultant invoices and construction cost estimates; oversight on design; review of plans and specifications submittals; scheduling; budget analysis; right-of-way acquisition support; construction oversight; review of contractor invoices and claims; and project closeout. As a part of this program numerous intersections and signals were upgraded.

**Interstate 10 Improvements Clearview to Causeway, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Principal for project including preliminary and final design of roadway improvements to Interstate 10 from Clearview Boulevard to Causeway Boulevard in Jefferson Parish. Improvements include an auxiliary lane addition connecting both interchange transition lanes. Widening will include improvements to the bridge crossing over the Suburban Canal as well as transitioning near the Cleary Overpass.

**Earhart Boulevard Improvements Hamilton Street to Magnolia Street, City of New Orleans Department of Public Works, Orleans Parish, LA.** Principal for this City of New Orleans Program under the TIMED and Urban System funding programs. Responsible for maintaining coordination between the City of New Orleans Department of Public Works, the Sewerage and Water of New Orleans, LDOTD and the assigned consultants. Project Manager responsible for Program Management; coordination between the Sewerage & Water Board, the City, LDOTD, FHWA and the design consultants; client contact; review and evaluation of requests for extensions and additional compensation; coordination with the Regional Planning Commission on Urban Systems funding; program budget and projections; right-of-way acquisition coordination and plans; public information meetings; environmental public hearings; review comments on the plans submitted by the design consultants; and review and evaluation of consultants invoices.

**Program Management and Engineering Support Services, USACE-Hurricane Protection Office, Jefferson Parish and New Orleans, LA.** Mr. Patorno managed this 10 year program to initially repair and eventually upgrade the City of New Orleans Hurricane Protection System. This program included working with the USACE side by side as well as with contractors on design build delivery systems for this over \$2 Billion dollars in improvements. In a follow-up contract to the Task Force Guardian program to make repairs after Hurricane Katrina, we marketed and were awarded a contract to assist the HPO with providing improvements to the levee system in New Orleans East. Includes design and construction of floodwalls, levees, and gates, and requires utility relocation, pump station remediation, bridges, roadways, and real estate coordination.

**201 Facility Master Plan, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** This project provided a comprehensive analysis and planning of the sewerage needs of the West Bank and Portions of the East Bank of Jefferson Parish Sewer Facilities, Jefferson Parish, LA (Design/CM). In addition to this assessment, financial analyses and planning study, this project also included major lift station and pipeline improvements. Project administration for improvements to the following lift station facilities in Zone II (Marrero) Jefferson Parish in addition to the east bank was accomplished:

- M-13-1, L-13-7 and the Cousins Booster Stations; K-12-4, K-12-5 and L-13-8
- K-12-2A, K-14-3A, L-13-1A, L-14-2, L-15-2; L-11-2A, M-11-1, M-11-2 and K-11-1A

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Michael Patorno, PE, Principal-in-Charge**

**Sewer Facilities, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** West Bank scoping study and preliminary design report on the priority lift station facilities in Zone II (Marrero) Jefferson Parish.

**Bridge City Sewer, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Design and project administration for the Bridge City sewer mini- systems and treatment plant improvements for Jefferson Parish.

**Miscellaneous Urban Drainage Design Projects, USACE New Orleans District, Jefferson Parish, LA.**

**Projects Included:**

- R.R. Canal improvements from Avenue "B" to the Keyhole Canal. The project included geotechnical, hydraulic, and structural engineering as well as coordination with the local sponsors, utility companies and the railroad.
- Swift/Canal "A." The project included geotechnical, hydraulic, civil, and structural engineering for canal improvements from Canal "A" along the West Bank Expressway to the Patriot Street Canal.
- Elmwood Canal Bridge Crossing at Kawanee Avenue. The project included design reports, design plates/ drawings, detailed structural, civil, hydraulic and geotechnical design calculations, cost analysis and estimates, traffic analysis and utility design for improvements to replace an existing bridge and approaches traversing an existing major canal. Eventual construction will include maintenance of traffic, detours, major utility relocations, installation of phased bridge construction and roadway approaches.
- Algiers Canal. The project included geotechnical, hydraulic, civil and structural engineering, levee improvements, flood control structures, ramps and pavement designs for a major levee in Jefferson and Plaquemines Parishes.
- Swift and 4th Street Canals. Used the USACE UNET model for this area in coordination with Jefferson Parish to find solutions to alleviate flooding in the area.

**East of Harvey Floodwall, USACE New Orleans District, Jefferson Parish, LA.** Program manager who led a team of engineers in the design of 8,000 feet of floodwall in a heavy industrial area with limited construction area. Provided support to the design team on a number of technical and coordination issues. Project required designs for the foundation, hydraulics, concrete, and steel as well as development of relocation and ROW needs and right-of- way. All design work was completed in a short time frame. Cost: \$2.0M design \$136 Construction

**West Bank Master Drainage Plan, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** As Senior Water Resource Project Manager, Mr. Patorno has worked on various projects and updated his plan over the last seven years. This project encompassed a drainage model of some 57 square miles of the West Bank of Jefferson Parish. The model used HEC-2, HEC-2 and SWMM software. This model included hundreds of miles of open channels, numerous existing and proposed pumping stations and vast stretches of storage and wet areas.

**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:**

Sreenivasulu Bollu, PE, CFM, PMP  
Roadway Engineer/Project Manager

**Project Assignment:**

Project Manager

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

3

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

MS/2003/Civil Engineering  
BS/2000/Civil Engineering

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

2009/Professional Engineer/Civil/LA/34330  
Also a PE in TX

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

Mr. Bollu is Civil Engineer with over 22 years of experience in all phases of project development from conceptual design to construction management. He is in charge of project management and the civil engineering personnel, including schedules, staff, budgets, technical review and account management. He has provided professional consulting services to numerous public and private clients, serving as Project Manager or Project Engineer on numerous roadway improvements, drainage studies, hydraulic models and designs, drainage improvements, levees, flood control projects, site developments, commercial & residential subdivisions, and construction management.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Sreenivasulu Bollu, PE, CFM, PMP - Roadway Engineer/Project Manager**

**Milan Group A, City of New Orleans Department of Public Works, New Orleans, LA.** Project consisted of reconstruction/restoration of roadways in the Milan neighborhood, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. Assisted in the tabulation of quantities and development of cost estimates.

**Broadmoor Groups D& E Neighborhood Reconstruction, City of New Orleans Department of Public Works, New Orleans, LA.** Project facilitates a complete reconstruction of 22 neighborhood blocks within the Broadmoor neighborhood in New Orleans. Reconstruction includes the roadway, concrete sidewalks, concrete curbs and/or gutters, driveway aprons, waterlines, and stormwater system and corresponding infrastructure. Assisted in preliminary design, design plan development, and client meetings.

**LA 23 Bridge over Mid Barataria Sediment Diversion, Louisiana Coastal Protection and Restoration Authority, Plaquemines Parish, LA.** Drainage Task Lead for the state's first sediment diversion project, which will capture sediment-laden water from the Mississippi River and strategically convey the sediment to the Barataria Basin through a three-component system including a river inlet with gated control structure, conveyance channel, and outfall transition. The Design Team coordinates with CPRA's Diversion Program Management Team as well as the Construction Manager at Risk (CMAR) to complete project deliverables such as design reports, cost estimates and construction plans.

**College Drive Enhancement Project, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.

**Westwood Boulevard Roadway Improvements, Jefferson Parish, LA.** Designed widening of approximately 1500 feet of a two lane parish road to a four lane divided roadway in compliance with Parish and LADOTD design criteria. Upgraded the existing drainage system and coordinated with utility companies.

**West Metairie Blvd. Rehabilitation, Jefferson Parish, LA.** Evaluated & redesigned vertical and intersection geometry, to comply with AASHTO criteria to provide smooth and safer profile for vehicle ride at 15 intersections, and replacement of concrete panels and roadway section that have experienced base failures over a 3-mile length.

**Reynes Street Improvements, New Orleans, LA.** Responsible for the preparation of plans and specifications, construction administration and resident inspection.

**Lower Ninth Ward Quadrant 1, New Orleans, LA.** Prepared plans, specifications, and detailed quantity spreadsheets to track FEMA-Eligible and non-FEMA Eligible quantities for reimbursement to the City of New Orleans Public Works for a multi-block project in the Lower Ninth Ward consisting of removal and replacement of concrete and asphalt roadway pavement, concrete driveways and sidewalks, and point utility repairs.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Sreenivasulu Bollu, PE, CFM, PMP - Project Manager**

**Paul Maillard Road Revitalization Plan, St. Charles Parish, LA.** Assisted Planning Department's effort by providing typical roadway sections and alternative roadway configurations, concurrent with associated construction costs estimates in order to provide alternatives to the stakeholders for selection of the most feasible and cost-effective alternative for improvements along the Paul Maillard corridor from US90 to River Road.

**Railroad crossing H&H Modeling, Jefferson Parish, LA.** H&H model to study inadequate drainage crossings under the railroad tracks between the Mississippi River and US 90 in the Waggaman area of Jefferson Parish from Avondale Garden Road to Modern Farms. The project required the collection of topographic survey data and the input of data into an existing conditions hydraulic model. A hydrologic model was then constructed to simulate an actual rainfall event. The model is then calibrated and results are evaluated. Proposed improvements are then entered into the model to evaluate benefits. A report was prepared which recommended an improvement option with preliminary costs estimates. USACE HEC-HMS and HEC-RAS were used for the modeling software.

**South Kenner Rd- Avondale Garden Railroad Crossing Drainage Evaluations, Phase II, Jefferson Parish, LA.** H&H study of a large basin draining to Lake Catouache. Nearly 29 miles of open channel flow over a total of 10,240 acres were modeled, contributing an estimated 13,500 cfs at the outfall. USACE HEC-HMS and HEC-RAS (unsteady flow with storage areas) were used to develop existing and improved state models, determining what combination of flood control projects will yield upstream flooding relief for residents, and open additional vacant property for development.

**Maplewood Area Drainage, Jefferson Parish, LA.** Provided project engineering for the development of construction drawings and specifications for the installation of 9,100 linear feet of stormwater culverts, 33 junction boxes, 80 catch basins, and 3,500 square yards of paving.

**Subsurface Drainage Improvement Program (SDIP), Jefferson Parish, LA.** H & H models to evaluate repetitive loss/flooding areas within existing neighborhood subsurface drainage systems. The models were created using a combination of and analyzing GIS, LiDAR, and topographic survey data of pipe sizes and invert elevations. The project then included the creation of an existing condition model, calibration of the model, evaluation of existing conditions to propose alternative solutions and the development of a report with recommended solutions and cost estimates for delivery to Jefferson Parish.

**Breaux Ditch Improvements - Jefferson Parish, LA.** Project Manager responsible for civil design and preparation of the drawings to replace the existing ditch with 8' wide x 4' deep reinforced concrete flume between East Ames Blvd. and Leo Kerner Pkwy on the West bank of Jefferson Parish to provide improved maintenance and stability. The total project length is approximately 1500 feet.

**Airline Park Blvd. Road and Drainage Improvements, Jefferson Parish, LA.** Designed removal of 2,500 L.F. existing two-lane, two-way concrete roadway, along with removal and replacement of mainline subsurface drainage. Analyzed area hydrology and performed hydraulic calculations to establish proposed subsurface pipe sizes. Designed roadway vertical geometry and drainage structure placement to AASHTO standards providing pleasing riding characteristics and eliminating localized street flooding.

**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:**

Jonathan McDowell, PE  
AVP, Senior Project Manager

**Project Assignment:**

Quality Manager

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

21

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

BS/1996/Civil Engineering

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

2003/Professional Engineer/Civil/LA/30508  
Also a PE in AR, MS, and TX

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

Mr. McDowell has 25 years of experience as a project manager for a wide variety of transportation and public infrastructure projects in Louisiana and Mississippi. His roles have included planning, design, contract administration, and construction engineering and inspection for numerous projects involving interstate highways, urban and rural roadways, streetcars, railroads, bridges, drainage canals and culverts, water and sewer facilities, and airports. Through his experience, he has gained an understanding of the process required to bring a transportation project from an idea to a built reality, including the use of LDOTD, FHWA, and AASHTO design standards and guidelines in preparing plans and specifications. Mr. McDowell has an understanding of the process required to bring a transportation project from an idea to a built reality, including the NEPA process. His recent experience also includes transportation safety analysis using the AASHTO Highway Safety Manual.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Jonathan McDowell, PE, AVP, Senior Project Manager**

**LA 23 Bridge over Mid Barataria Sediment Diversion, Louisiana Coastal Protection and Restoration Authority, Plaquemines Parish, LA.** Quality Manager for the state's first sediment diversion project, which will capture sediment-laden water from the Mississippi River and strategically convey the sediment to the Barataria Basin through a three-component system including a river inlet with gated control structure, conveyance channel, and outfall transition. The Design Team coordinates with CPRA's Diversion Program Management Team as well as the Construction Manager at Risk (CMAR) to complete project deliverables such as design reports, cost estimates and construction plans.

**College Drive Enhancement Project, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.

**Mounes Street Drainage Improvements (Phase I), Jefferson Parish Dept. of Public Works, Metairie, LA.** Task Manager and Project Engineer for the development of Maintenance of Traffic Plans for to install a new covered canal from the pump station at Mounes Street and Dickory Avenue to Clearview Parkway. Plans included a temporary detour roads to shift Dickory Avenue northbound traffic to the southbound lanes around the pump station in order to construct the box culvert in the northbound lanes

**Siegen Lane Improvements (Highland Rd. to 650 south of Perkins Rd.), City of Baton Rouge Dept. of Public Works, Baton Rouge, LA.** Project Manager/Engineer of Record for the design of a 1.2-mile segment of Siegen Lane that was widened to a four-lane boulevard with an urban subsurface drainage system. The existing roadway is two lanes with ditches. Interesting features of the project include the relocation of a 24-inch sewer force main and the placement of the widened roadway and drainage in a narrow, densely developed corridor. The project was divided into two parts: a design study and the preparation of construction plans. The design study included an alignment analysis, preliminary drainage design using HEC-RAS and the DOTD's HYDRWIN program, traffic analysis, an environmental assessment, wetland inventory, and a noise study. Tasks beyond project management included the geometric design of the roadway, drainage design, sequence of construction, and analysis of construction impacts. Total estimated construction cost of the project is \$19 million.

**Route LA 3139, Earhart Expressway Extension to US 61, LDO TD, Jefferson Parish, LA.** Task manager and lead roadway engineer for the extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, location and potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor in order to transition back to the current lane configuration at the west end of the project. Reviewed traffic report and participation in the environmental and public involvement tasks.

**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Greg Trahan, PE, RSP1  
Project Manager

**Project Assignment:**

Roadway and Construction Administration

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

18

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

BS/2005/Civil Engineering

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

2011/Professional Engineer/Civil/LA/36041  
2022/ Professional Engineer/ Civil/ TX/143633  
2022/ Professional Engineer/ Civil/ MS/ 33149

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

Greg is a Civil Engineer and a certified Project Manager, at AECOM, with 18 years of experience leading traffic, roadway, and design projects. His experience as a roadway designer includes Road Design, Drainage Design, Safety Studies, ADA Compliance, Maintenance of Traffic, Construction Phasing, and Construction Oversight. He has delivered quality projects for AECOM throughout his career. He is also the Past President of the Baton Rouge Chapter Louisiana Engineers Society. Greg has an understanding of the LDOTD, FHWA, and AASHTO design standards and guidelines, and using them to prepare plans and specifications. Mr. Trahan's traffic expertise includes traffic data collection (speed and vehicular classification), crash data capacity and safety improvements, crash analysis, and collision diagrams.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Greg Trahan, PE, RSP1, Project Manager**

**College Drive Enhancement Project, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.

**Siegen Lane Improvements (Highland Rd. to 6500'south of Perkins Rd.), City of Baton Rouge, East Baton Rouge Parish, LA, Project Engineer.** Project Engineer that performed design and plan development of a 1.18-mile segment of Siegen Lane that is planned to be widened to a four-lane boulevard. The design tasks include the geometric design of the roadway, subsurface drainage, and the development of the sequence of construction. He has also prepared quantities and cost estimates for the project.

**LA 23 Over Mid-Barataria Sediment Diversion, Coastal Protection and Restoration Authority, Plaquemines Parish, LA), Project Engineer.** Assisted in the preliminary design plans for the new bridge and roadway structure over the new sediment diversion. The project consists of a new concrete precast girder bridge, approximately 2,200 feet in length, and the connecting asphalt roadway.

**Earhart Expressway Extension to US 61,(LADOTD, Jefferson Parish, LA, Project Engineer.** Project Engineer for the traffic study involving the new extension of the Earhart Expressway a six lane urban freeway, to Airline Drive, a four-lane highway, for a total of ten lanes. The study included analyzing existing and future conditions along the US 61 (Airline Highway) and LA 3154 (Dickory Avenue). As part of this project Mr. Trahan is analyzed design alternatives, traffic data collection (speed and vehicular classification) along the corridor, and crash data.

**Safety Retainer Contract, LA 49 (Williams Blvd.) Corridor Study, LADOTD, Jefferson Parish, LA, Project Engineer.** Project Engineer that preformed the crash analysis and environmental inventory associated with the LA 49 feasibility study. Collected and analyzed data to identify trends and determine overrepresented crash types. Developed collision diagrams. Used Crash Modification Factors to analyze safety countermeasures proposed for each alternative. The study considered a 2.5 mile segment of a heavily traveled, heavily developed five lane urban roadway that has moderate pedestrian use, three major intersections and an interchange with Interstate 10.

**I-49 South, Interim Improvements for Safety and Efficiency, Raceland to Westbank Expressway, LDOTD, Lafourche, St. Charles, and Jefferson Parishes, LA.** Project engineer tasked to develop alternative concepts that would provide interim capacity and safety improvements along the US 90 corridor from LA Highway 1 to the current terminus of the elevated portion of the Westbank Expressway. Mr. Trahan's responsibilities included preparation of geometric alternatives, assistance in development of the interim program, review of cost estimates for alternative concepts, and preparation of the draft and final reports.

**Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA.** Project engineer for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves. The tasks associated with this project include; site visits to the curves, plan preparation of safety countermeasures for each curve, cost estimates for the plan set, and a pre-construction meeting with each LDOTD district. Each site visit includes a ball bank test, photo and an existing conditions documentation of each curve.

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Jennifer Duhe, PE  
Senior Civil/Highway Engineer

**Project Assignment:**

Roadway and Bridge Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

22

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

BS/1999/Civil and Environmental Engineering

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

2004/Professional Engineer/Civil/LA/31336

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

Ms. Duhe is a licensed professional engineer with 22 years of technical and project management experience. She has led the planning, design, and implementation of flood protection projects, transportation systems, and general civil-site projects for municipal, state and federal clients. Ms. Duhe has represented local parishes and flood authorities in developing and constructing flood protection projects, with a particular focus on meeting federal requirements to receive Work In-Kind credits from the U.S. Army Corps of Engineers.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Jennifer Duhe, PE, Senior Civil/Highway Engineer**

**Interstate Highway Design I-10 Auxiliary Lanes (Clearview Parkway to Causeway Boulevard), LADOTD, Jefferson Parish, LA.** Developed pavement-striping plans, permanent signing plans and quantity calculations for the addition of 2-lanes to the I-10, a new bridge spanning the Suburban Canal and the construction of a noise barrier along the interstate. Compiled the Special Provisions and cost estimate for the project.

**Southeast Louisiana Urban Flood Control Project, (Louisiana Avenue Improvements Constance Street to South Claiborne Avenue), USACE, New Orleans District, Orleans Parish, LA.** Design engineer for roadway improvements to Louisiana Ave., where a new box culvert will be installed to increase drainage capacity. Responsible for the development of project specifications and construction plans including roadway geometrics, typical sections, cross sections, and traffic control. Coordinated with other engineering disciplines to accommodate the structural requirements of the box culvert and multiple existing and proposed utilities within the project area. Coordinated with sub-consultants during the survey, geotechnical discovery, right-of-way mapping and cost estimating phases. Met frequently with local stakeholders such as the City of New Orleans Department of Public Works, the Sewerage and Water Board of New Orleans and the Regional Transit Authority to ensure that the proposed improvements complied with their requirements. Because portions of Louisiana Ave. are included in the RTA's bus route and the project intersects the streetcar line at St. Charles Ave., special consideration was given to traffic control features to minimize impact not only to vehicular traffic, but public bus transit and the streetcar lines. Construction phasing was coordinated with similar projects in the area to provide minimum disruption to streetcar activities.

**Vienna Street Improvements (Corinne Street -Nighthart Street), City of New Orleans Department of Public Works, Project Engineer.** Project Engineer for a residential street in New Orleans. Developed construction plans, specifications and estimates for vertical realignment, pavement rehabilitation, utility relocation coordination, and subsurface drainage improvements.

**Southeast Louisiana Urban Flood Control Project, Louisiana Avenue Improvements (Constance Street to South Claiborne Avenue, USACE, New Orleans District, Project Engineer.** Design Engineer for the reconstruction of Louisiana Avenue, including traffic control plans, roadway plan and profile sheets, and typical sections. Developed specifications and construction estimates.

**LA 23 Bridge over Mid Barataria Sediment Diversion, Louisiana Coastal Protection and Restoration Authority, Plaquemines Parish, LA.** Deliverables Manager/Senior Engineer. Deliverables Manager and Senior Design Team Engineer for the state's first sediment diversion project, which will capture sediment-laden water from the Mississippi River and strategically convey the sediment to the Barataria Basin through a three-component system including a river inlet with gated control structure, conveyance channel, and outfall transition. Responsibilities include design task management for hydraulic modeling, highway-bridge design, structural and civil design of flood protection features, utility relocations, geotechnical analyses and consideration for placement of beneficial use material. The Design Team coordinates with CPRA's Diversion Program Management Team as well as the Construction Manager at Risk (CMAR) to complete project deliverables such as design reports, cost estimates and construction plans.

**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:**

Will Fullilove, EI  
Civil Engineer

**Project Assignment:**

Roadway Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

2

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

BS/Civil Engineering

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

2022/EI/LA/0034290

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

Mr. Fullilove is a Civil Engineering Intern with experience in technical development for transportation engineering projects. Tasks and project experience include construction cost estimating, construction submittal reviews, design plan development, document control, plan checking, and roadway design.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Will Fullilove, EI, Civil Engineer**

**West Bank Road Bond Program Management, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Jefferson Parish is addressing serious transportation needs via the 2017 Road Bond Program, which includes approximately 70 projects split evenly between the East and West Banks of Jefferson Parish. AECOM has been selected to be the Program Manager for the 34 projects on the West Bank worth approximately \$137 Million. The program includes 8 Federal Aid/Urban Systems Funded projects, which are being designed by the Parish Consultants and constructed by the State. The remaining 26 projects are being designed and constructed by the Parish.

**Salt Water Intrusion Event, Jefferson Parish Department of Public Works, Jefferson Parish, LA..**

Jefferson Parish is working to supply fresh water to its citizens by installing temporary 12-inch pipes from a location near the St. Charles Parish/Jefferson Parish line on the West Bank for a distance of approximately 15 miles to its existing raw water intake facility in Marrero.

**Milan Group A, City of New Orleans Department of Public Works, New Orleans, LA.** Project consisted of reconstruction/restoration of roadways in the Milan neighborhood, which is bounded by Napoleon, Claiborne, Louisiana and St. Charles avenues. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. Assisted in the tabulation of quantities and development of cost estimates.

**LA 23 Bridge over Mid Barataria Sediment Diversion, Louisiana Coastal Protection and Restoration Authority, Plaquemines Parish, LA.** Planning, engineering and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with traffic report, roadway design calculations, guardrail design, plan checking, temporary traffic control planning and design, typical sections, geometric details, cost estimating, and plan development.

**Broadmoor Groups D & E Neighborhood Reconstruction, City of New Orleans Department of Public Works, New Orleans, LA.** Project facilitates a complete reconstruction of 22 neighborhood blocks within the Broadmoor neighborhood in New Orleans. Reconstruction includes the roadway, concrete sidewalks, concrete curbs and/or gutters, driveway aprons, waterlines, and stormwater system and corresponding infrastructure. Assisted in preliminary design, design plan development, and client meetings.

**College Drive Enhancements, Perkins Rd to I-10, Baton Rouge, LA.** Engineering Intern performing CADD design service and engineering calculations for the Green Infrastructure, landscaping, and roadway tasks on College Drive corridor. The project includes a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver, bicycle, and pedestrian safety. The selected alternative will move to preliminary and final design where the implementation will occur over several construction packages.

**PO-29 Mississippi River Reintroduction to Maurepas Swamp CPRA, St. John the Baptist Parish, LA.** Planning, engineering and design services for the reconstruction of US 61 and Airline Rd. The roads will be created in conjunction with the diversion channel to reintroduce sediment and freshwater into Lake Maurepas from the Mississippi River. Assisted on plan development, cost estimation, roadway design calculations, and plan checking.

**US 49 – Orange Grove Boulevard to St. Charles Street, MissDOT, Harrison County, MS.** Project consists of converting two median turn locations into directional left turns with a mill and overlay on the remaining six lanes of traffic. In addition to the road work, roadway drainage will be altered to collect the runoff from the new drainage patterns. Worked on design plan development and roadway design calculations for temporary traffic control.

**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Greer Kenney, EI  
Civil Engineer

**Project Assignment:**

Roadway Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

1

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

BS/2023/Civil Engineering

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

2024/EI/LA

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

Since graduation from Louisiana State University, Ms. Kenney has gained roadway engineering experience throughout the region. She is proficient in MicroStation V8i, Power InRoads V8i, Microsoft Office programs, and more.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Greer Kenney, EI, Civil Engineer

**College Drive Enhancements, MoveBR/City of Baton Rouge, Baton Rouge, LA.** This project is to provide access management, signalization, and capacity improvements along College Dr. This project will also improve access for pedestrians through signal improvements, sidewalk connections, and transit stop improvements. Personal involvement in this project has included production and detailing of the title sheet, plan and profile sheets, typical sections, geometric layout sheets, and striping plans.



**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Avery Prevot, EI  
Civil Engineer

**Project Assignment:**

Roadway Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

1

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

BS/2023/Civil Engineering

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

2024/EI/LA

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

Since graduation from Louisiana State University, Ms. Prevot has gained roadway engineering experience throughout the region. She is proficient in AutoCAD Civil 3D, MicroStation V8i, and Microsoft office programs.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Avery Prevot, EI, Civil Engineer

**College Drive Enhancements, MoveBR/City of Baton Rouge, Baton Rouge, LA.** AECOM was chosen by East Baton Rouge to perform engineering services for College Drive according to MOVEBR guidelines. The project consists of existing roadway alterations including modification to existing drainage structures and the addition of new drainage structures. Ms. Prevot's work involved drainage design and analyzing existing and proposed drainage structures, along with general markups in MicroStation regarding other aspects of the submittal set.

**US 61 Over Maurepas Swamp Diversion – Airline Hwy, LADOTD, Garyville, LA.** St. John the Baptist Parish chose AECOM to perform improvements along US 61 (Airline Hwy) with accordance to LADOTD standards. Along with roadway improvements, the project consisted of a swamp diversion aspect that connects the Amite River and Mississippi River. Ms. Prevot's work focused on the transportation side, assisting in the detailing and design of typical sections and plan and profiles.



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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Kordel Braley, PE, PTOE  
Associate Vice President

**Project Assignment:**

Traffic and Signal Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

6

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

MS/Civil & Environmental Engineering/2007  
BS/Civil & Environmental Engineering/2005

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

2022/Professional Engineer/Civil/0047329/LA  
2011/PTOE/3173

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

Kordel is a senior traffic engineer with extensive experience in transportation analysis. He specializes in the development and application of complex microsimulation models such as VISSIM to help planners, designers, and decision-makers create safe and efficient projects. In Texas, Kordel has led or assisted in the development of several Interchange Access Justification Reports (IAJRs). With the recent update of the FHWA Traffic Analysis Toolbox (TAT) Volume III, Kordel has worked proactively with TxDOT's DES Division to perform new types of analysis, including cluster analysis and statistical evaluation of alternatives to provide a more data-driven approach to traffic analysis.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Kordel Braley, Associate Vice President**

**I-10/I-410 (North) Interchange Evaluation, TxDOT, San Antonio, TX.** Traffic Task Lead. Kordel providing preliminary analysis of the I-10/I-410 interchange evaluation in northern San Antonio. AECOM is evaluating several options for this interchange and approach legs and developing a preferred alternative to advance to the schematic/ENV phase. Kordel led the traffic team in using innovative analysis procedures to evaluate existing and future no build conditions and assist in the development of alternatives. Kordel worked collaboratively and proactively with the other discipline leads to identify and document issues and develop and analyze potential options.

**LP 1604, FM 1346 to FM 1303, TxDOT, San Antonio, TX.** Lead Traffic Engineer. Kordel provided traffic design, including capacity analysis of segments and intersections using HCS and Synchro. He collected and processed traffic from active and passive sources, developed traffic forecasts, and analyzed travel times, delay, and LOS. He also supported design of signing and pavement marking, performed traffic engineering at intersections, supported environmental analysis, and oversaw predictive safety analysis.

**LP 1604 and I-10 Schematic and IAJR, TxDOT, San Antonio, TX.** Lead Traffic Engineer. Kordel is the traffic lead for the development and calibration of a VISSIM model for over 20 miles of freeway and frontage road corridor in northern San Antonio. The model was used to evaluate numerous scenarios and to prepare a draft IAJR for the I-10 interchange area. The IAJR also included a detailed crash analysis and predictive safety analysis using ISATe. The IAJR was approved by FHWA in 2022. Kordel is now leading efforts to analyze dozens of traffic control plans for construction of this project ensuring safety of all modes.

**I-35W at US 67 IAJR, TxDOT, Alvarado, TX. Lead Traffic Engineer.** Kordel developed an IAJR for this project that improves safety and operations to I-35W near US 67 in Alvarado. The IAJR analyzes the impacts to mainlanes, frontage roads, and frontage road cross streets both in terms of traffic operations but also safety. The IAJR was approved in 2022.

**Oak Hill Parkway Design Build, TxDOT, Austin, TX.** Lead Traffic Engineer. Kordel provided traffic analysis and development of VISSIM models for maintenance of traffic phases and steps for this freeway construction project, which involves the reconstruction and widening of US 290 from the east end of Circle Drive to Loop 1 (MoPac) and SH 71 from US 290 to Silvermine Drive in Travis County.

**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Peter Bakhit, PhD, PE, PTOE  
Traffic Engineer

**Project Assignment:**

Traffic and Signal Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

2

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

BS/2012/Civil Engineering,  
MS/2015/Transportation and Highway Engineering  
PhD/2018/Civil Engineering

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

2022/Professional Engineer/Civil/Texas/00143705  
2024/PTOE/5723

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

Peter is a Civil Engineering Ph.D. graduate and Senior Traffic Engineer with five years of experience focusing on transportation safety and intelligent transportation systems. Dr. Bakhit has led, designed, conducted several experimental studies under various applications, specializing in data analytics, data mining, and machine learning models, using naturalistic driving studies and driving simulator databases.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Peter Bakhit, PhD, PE, PTOE Traffic Engineer**

**Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA.** Traffic Engineer. Responsible for traffic analysis of proposed alternatives using VISSIM software.

**Freeval Lane Closure Analysis: Major Metropolitan Areas, LADOTD, Baton Rouge, LA.** Responsible for developing and calibrating the FREEVAL models for multiple freeway corridors in New Orleans, and Baton Rouge. This project aimed to provide a tool to analyze different lane closure scenarios for the interstate freeways in major metropolitan areas of Louisiana.

**US 61 Corridor Study (Airline Hwy), LADOTD, Baton Rouge, Louisiana.** Traffic Analyst. Responsible for the corridor safety analysis. The purpose of the study is to assess traffic operations and potential safety improvements for this urban, 4-lane divided highway. Scope of services include existing traffic data collection and analyses, safety data analyses, future traffic projections considering corridor growth rates, assessment of access management improvements (implementing "Superstreet" concept), and evaluation of concept using HCM methodologies.

**Development of an Optimal Ramp Metering Control Strategy For I-12, LADOTD, Baton Rouge, LA.** Responsible for developing different traffic VISSIM models with various ramp metering plans. The purpose of the study is to evaluate different ramp metering strategies to identify the optimal algorithm that can improve traffic operations on I-12.

**I-10 (LA 73 to LA 429) Ascension Parish IMR & IJR Study, LADOTD, Ascension Parish, LA.** Transportation Engineer. Providing technical support for various tasks including data collection, development of build alternatives through a tiered analysis, and conceptual drawings of critical roadway geometry. The purpose of the project is to evaluate improvements to an existing interchange and configuration of two new interchanges along I-10 in Ascension Parish.

**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** Traffic Engineer. Responsible for a wide range of traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.

**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Daniel Boyd, PE  
Structural Engineer

**Project Assignment:**

Bridge/ Structural

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

5

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

BS/2006/Civil Engineering

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

2011/Professional Engineer/Civil/LA/36728  
Also a PE in MS and TX

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

Mr. Boyd has more than 15 years of structural engineering experience in the transportation industry as well as the oil and gas and petrochemical industries. His technical experience includes deep and shallow concrete foundation design, steel girder bridge design, precast/prestressed concrete girder design, structural steel design, structural concrete design. He has thorough working knowledge of ACI, AISC, and ASCE, as well as AASHTO and Louisiana DOTD Standards. He has experience in both new construction and design projects, as well as retrofit and/or expansion projects requiring modifications to existing structures, bridges, and foundations to meet current engineering codes. Daniel also has field experience before, during, and after construction for projects to gather information, perform layouts, inspections, QA/QC, and to coordinate with contractors and clients.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Daniel Boyd, PE, Structural Engineer**

**College Drive Enhancement Project, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.

**LA 23 Bridge over Mid Barataria Sediment Diversion, Louisiana Coastal Protection and Restoration Authority, Plaquemines Parish, LA.** Structural Engineer. Performed peer review for QA/QC for LA 23 bridge layouts and plans for the state's first sediment diversion project, which will capture sediment-laden water from the Mississippi River and strategically convey the sediment to the Barataria Basin through a three-component system including a river inlet with gated control structure, conveyance channel, and outfall transition. The Design Team coordinates with CPRA's Diversion Program Management Team as well as the Construction Manager at Risk (CMAR) to complete project deliverables such as design reports, cost estimates and construction plans.

**I-49 Connector, LADOTD, Lafayette, LA.** Structural Engineer. Performed a review of I-49 mainline viaduct layouts for the three different structural options being presented to LADOTD for selection. Performing reviews and updating structural quantities and costs to reflect current design layouts and current bid pricing to ensure consistency across the three structural options.

**Highland Road Improvements Project, East Baton Rouge Parish, Baton Rouge, LA.** Structural Engineer, Structural design engineer for two new bridges on Highland Road at Ward's Creek crossing. Performed structural analysis on multiple aspects of project. Design included concrete bridge deck, guard rails, analysis and design of prestressed quad beam concrete girders, girder bearing design and, prestressed concrete piles and concrete bents. Also performed calculation reviews on multiple aspects of project.

**IH 635 LBJ East Design-Build Project, TxDOT, Dallas, TX.** Structural task leader for the design of Overhead Sign Structures along the project corridor. Design includes analysis of steel trusses for both overhead structures and cantilevered overhead structures. Design of concrete support columns for truss structures, and foundations for structures. Structural analysis and designs performed using STAAD.pro and SPColumn software, along with Excel.

**Red River Bridge on US 71, LADOTD, Alexandria, LA,** Structural design engineer for new Red River Bridge crossing on US 71 in Alexandria. Provided structural analysis and design for steel plate girders. Designed main river spans consisting of two 3-span units (one each direction) with 300'-400'-300' spans, and multiple simple spans greater than 200' crossing river levees. Design challenges included curved steel plate girders, and girder units with skews. Designed all aspects and components of the steel plate girder bridge units, including diaphragms, bolted splices, steel rocker bearings and elastomeric bearing, stiffeners, etc. MDX and Mathcad software was used to perform steel girder analysis for both simple and multi-span bridge units. Also performed analysis and design of prestressed concrete girders, concrete bridge deck, concrete columns, pile bents and piles, and performed peer review on multiple components of this project. LEAP Bridge software, among others was used for the design and review of concrete and foundation structures. Closely collaborated with the steel fabricators to review and approve shop drawings for all steel bridge girders and components to comply with the design drawings.

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Bruce Lelong, PE  
AVP, Civil Manager

**Project Assignment:**

Structural Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

23

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

BS/1995/Civil Engineering  
BA/1989/History

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

2001/Professional Engineer/Civil/LA/29393

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

Bruce Lelong has more than 22 years of experience structurally designing drainage culverts and providing engineering support during construction for major drainage projects. Currently, Mr. Lelong is the project engineer and engineer of record for the structural designs of multi-barrel box culverts crossing River Road, the CN railroad and Airline Highway as part of the Maurepas Freshwater Diversion Project, which is currently being permitted by USACE. Recent projects also include the Louisiana Avenue Box Culvert Project and the Claiborne Avenue, Lowerline to Leonidas Project, both SELA projects in Uptown New Orleans. Mr. Lelong also is experienced designing and specifying precast concrete box culverts, such as the Conspan system, and designing complicated tie-ins of major lateral drain lines. Mr. Lelong has designed multi-level braced structural shoring systems. He has extensive experience designing both pile-supported and soil-supported culverts.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Bruce Lelong, PE, AVP, Civil Manager**

**Mid-Barataria Sediment Diversion, Coastal Protection and Restoration Authority (CPRA), Plaquemines Parish, LA.** Senior Project Manager. Managing the engineering and design of 75,000-cfs sediment diversion on the Mississippi River that ties into the MRL and crosses the NOV-5a.1 non-federal levee. Project includes flood gates, flood walls, earthen embankments, inverted drainage siphon bank, railroad and highway bridges, shoreline protection, and riprap armoring.

**PO-29 Mississippi River Reintroduction to Maurepas Swamp CPRA, St. John the Baptist Parish, LA.** Task Manager. Mr. Lelong is currently the AECOM task manager for the permitting and post-95% design phases. During the prior design phases, he supervised the designs of the headworks structures, CN box culverts crossing, KCS bridge, the Airline Highway box culvert crossing and the 250-cfs drainage pumping station.

**Lower Breton Sediment Diversion Study (Phase 1), CPRA, Plaquemines Parish, LA.** Mr. Lelong was the lead structural engineer for the first phase of the study during which the major structural components were conceptually designed and arranged. Components conceptually designed included: intake structures, inlet gate monolith, steel tainter gates, tie-in floodwalls, headworks outlet monoliths, and the outlet structure and wing walls at Black Bay.

**Permanent Canal Closures, Pump Stations, USACE New Orleans District, New Orleans, LA.** Mr. Lelong served as structural reviewer for Design Quality Assurance Team (DQA) assisting the USACE in reviewing the contractor's design of the contractor's open-cell design for their pump station intake basins for this fast paced, \$615 mil design-build project that included pumping stations, floodwalls, and levees.

**East of Harvey Canal Bulkhead floodwall, USACE, New Orleans District, Jefferson Parish, LA.** Project Engineer. Marine Engineering work entailed designing an anchored bulkhead floodwall segment along the canal and a fender and barge mooring system.

**Old Estelle Drainage Pumping Station Expansion, Jefferson Parish Public Works Department, Jefferson Parish, LA.** Structural design engineer supervised the rehabilitation designs of a 600-cubic-feet-per-second drainage pumping station, which entailed the replacement of four 150-cubic-feet-per-second vertical pumps and discharge tubes, along with modifications to the structure to accommodate the new pumps.

**Mount Kennedy Pumping Station, US Army Corps of Engineers, Jefferson Parish, LA.** Civil / structural engineer was responsible for the final designs of reinforced concrete suction and discharge basins and a station bridge deck for 600-cubic-feet-per-second pumping station. Provided shop drawing and design reviews of contractor-designed cofferdam systems.

**Coastal Flood Protection System Designs LPV, 105-111, USACE, SLFPA-E, New Orleans East, LA.** Mr. Lelong was the project manager and engineer of record for the LPV 111 enlargement, the largest soil mixing project to date in North America, and was the lead structural engineer for the retrofitting of the fronting protection at Pump Station 15, raising the flood walls by 12 feet. Mr. Lelong performed ITRs of the structural designs of the drainage structures and floodwalls in the LPV 109 reach, and was the lead structural engineer for the retrofit of the St Charles Pumping Station within the LPV 105 sub-reach, designing modifications for the addition of vertical roller gates closing the station's discharge culvert into Lake Pontchartrain. Mr. Lelong is supervising the production of the plans, specifications, and cost estimate for the ongoing LPV 109 levee Lift Project for SLFPA-E.

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Ryan Koenig, PE  
Civil/Structural Engineer

**Project Assignment:**

Structural Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

21

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

BS/1995/Biology  
BS/1999/Civil Engineering

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

2004/Professional Engineer/Civil/LA/0031036

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

Mr. Koenig is a civil/structural engineer and project manager with more than 20 years of expertise in design and project management, including levees, flood protection structures, concrete and steel hydraulic structures, pumping stations, buildings, marine structures, and flood walls. He has managed several large USACE projects and brings experience in all phases of engineering and construction projects, including conceptual design, permitting, final design, shop drawing review, field inspection, and project and construction management. He also has extensive ECI (CMAR) and Design Build experience.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Ryan Koenig, PE, Civil/Structural Engineer**

**Mounes Street Drainage Improvements (Phase I), Jefferson Parish Department of Public Works, Metairie, LA.** Project Manager for the development of Maintenance of Traffic Plans for to install a new covered canal from the pump station at Mounes Street and Dickory Avenue to Clearview Parkway. Plans included a temporary detour roads to shift Dickory Avenue northbound traffic to the southbound lanes around the pump station in order to construct the box culvert in the northbound lanes.

**Mississippi River Diversion into Maurepas Swamp, Coastal Restoration Division Louisiana Department of Natural Resources, St. John the Baptist Parish, LA.** Structural Engineer. Served as Lead Engineer for the design of three (3) 9' x 9' box culverts crossing that will cross under Airline Highway, the Kansas City Southern (KCS) Rail Line, and the Illinois Central (IC) Rail Line. Responsible for oversight of production of plans and specifications, cost estimates, and all other structural design aspects.

**Mid-Barataria Sediment Diversion, LA CPRA, Belle Chasse, LA.** Deputy Project Manager. Deputy Project Manager and Civil/Structural Engineer for the Mid Barataria Sediment Diversion Project, which will divert 75,000 cfs of sediment-laden Mississippi River water into Barataria Basin for the purpose of building new land within an eight-mile radius of the diversion's outfall over 50 years. The project is currently in the 30%-design phase, and the design is scheduled to be completed and construction to begin in 2021. The project is being executed under a Construction-Manager-at-Risk (CMAR) contract structure, and the E&D is being performed in a collocated office in Baton Rouge to facilitate ongoing collaboration among the AECOM Team, the CMAR, and CPRA.

**Engineering and Design of Levee Enlargement Reach LPV 111, USACE Memphis District, New Orleans, LA,** Civil Engineer. Developed multiple design packages to facilitate the contractor's proposed schedule and means and methods for this large levee project which included deep soil mixing. Managed coordination with owner and contractor, as well as production of multiple P&S packages to allow for early construction activities.

**Hurricane & Storm Damage Risk Reduction Reach LPV 105, USACE New Orleans New Orleans, LA.** Civil Engineer/Project Manager. Project Manager for the Lakefront Airport Floodwall project consisting of over 1 ½ miles of reinforced concrete floodwall, I -wall, and levee adjacent to the New Orleans lakefront Airport. Responsible for overall project management including production of plans and specifications, design reports, cost estimates and schedules, and other ancillary design items.

**Southeast Louisiana Urban Flood Control Project, Louisiana Avenue Improvements (Constance Street to South Claiborne Avenue), USACE, New Orleans District, Orleans Parish, LA.** Served as Project Manager and lead Structural Engineer for roadway improvements to Louisiana Avenue, where a new box culvert being installed to increase drainage capacity for the south & westbound. Responsible for the progress of all design work, client contacts, coordination of sub contractor activities, and coordination with utilities and other entities, including the City of New Orleans Department of Public Works, the Sewerage and Water Board of New Orleans and the Regional Transit Authority. Mr. Koenig was also responsible for overall project management and oversight of production of plans and specifications, cost estimates, and all other design aspects. Currently performing engineering during construction including submittal reviews, site visits, and RFI responses.

**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:**

Bradley Kopping, PE  
Senior Mechanical Engineer

**Project Assignment:**

Bridge Design

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

9

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

BS/1989/Mechanical Engineer

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

2015/Professional Engineer/Mechanical/LA/0039581

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

Mr. Kopping is responsible for the design and inspection of mechanical systems for movable bridges, heavy movable structures, and other transportation facilities; including production of plans, technical specifications, and cost estimates for new and rehabilitation projects. In addition, he has performed peer review of other engineers work and produced cost estimates for inspection and design RFPs. He has been involved in the industry for over 20 years.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Bradley Kopping, PE, Senior Mechanical Engineer**

**Lapalco Boulevard Bascule Bridge over the Harvey Canal, LADOTD, New Orleans, LA.** As the Mechanical Engineer Reviewer for the State of Louisiana, provided machinery review services of the new Lapalco bascule Draft Bridge Development Report including providing comments on the report and coordinating responses with the bridge designers.

**Racine Street Rolling Lift Bridge Replacement, Wisconsin Department of Transportation (WisDOT) - Northeast Region, Menasha, WI.** Senior Mechanical Engineer responsible for the design of the complete mechanical system required for a rolling lift bridge span replacement including the rear locks. The design of the machinery room came with tight constraints for machinery fit. Overall access was improved by the inclusion of access stairs designed into the bearing weldments allowing access over the pinion shafts. Rack and pinion were sized such that only a single rotation of the pinion achieved span motion for reduced contact tooth wear. Produced stamped drawings, the Technical Special Provisions (TSP), schedule, and cost estimate.

**Bridge Street Bridge Replacement, MassDoT, Chatham, MA.** Senior Mechanical Engineer responsible for design of mechanical portion of the bridge rehabilitation. This included the span drive, span support and span lock machinery design and the writing of the Technical Specifications as well as the engineer's cost estimate and construction schedule. Further responsibilities include post-design construction support which involves answering RFI's, reviewing contractor submittals, inspecting contractor's field work and reporting findings to MassDoT representatives.

**Water Street Bascule Bridge Rehabilitation, City of Milwaukee, Milwaukee, WI.** Senior Mechanical Engineer for span lock replacement on a double-leaf trunnion-style bascule bridge over the Milwaukee River. Responsibilities include developing plans, specifications, and a cost estimate for all mechanical work. Further responsibilities include post-design construction support which involves answering RFI's, reviewing contractor submittals, inspecting contractor's field work and reporting findings to City representatives.

**Senior Mechanical Engineer, 1st Street Bridge Rehabilitation, WisDOT, Milwaukee, WI.** Senior Mechanical Engineer responsible for design of mechanical portion of the bridge rehabilitation. This included the span drive machinery, span lock machinery and the span support machinery. Responsibilities include developing plans, specifications, and a cost estimate for all mechanical work. Further responsibilities include post-design construction support which involves answering RFI's, reviewing contractor submittals, inspecting contractor's field work and reporting findings to WisDOT representatives.

**Sandy Super Storm Rehabilitation of Jackson St., Bridge St., and Clay St. Bridges over Passaic River, New Jersey Department of Transportation (NJDOT), Harrison, NJ.** Lead mechanical engineer responsible for post construction inspections for all three bridges. This included observing bridge operation with new components in place and troubleshooting bridge mechanical and electrical systems to get bridges (especially Bridge St. Bridge) back into operational condition.

**South Front Street Bridge Inspection, NJDOT, Elizabeth, NJ.** Senior Mechanical Engineer, Provided Type III inspection of the mechanical components of the 100-foot span bascule bridge. Also responsible for writing the mechanical report which included findings, photos, recommendations and cost estimates.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Bradley Kopping, PE, Senior Mechanical Engineer**

**Stutson Street Bridge Replacement - The New O'Rorke Bridge, Monroe County Department of Public Works, Rochester, NY.** Mechanical Engineer responsible for performing construction inspection for \$84 million new design featuring a 220-foot double-leaf Scherzer rolling lift. Aesthetically-pleasing Landmark Bridge is a gateway to Rochester, providing a safe and efficient crossing of the Genesee River. Involved mechanical and electrical construction inspection and resident engineering services for the bascule bridge replacement.

**Fort Street Bascule Bridge, Michigan Department of Transportation (MDOT), Detroit, MI.** Mechanical Engineer. Performed inspection and provided report for \$30 million design study for rehabilitation or replacement of a historic 164-foot, double-leaf bascule. Project included inspection of superstructure, substructure, and mechanical and electrical systems. Hand-dug caissons, threaded between two tunnels (not to be disturbed), support each bascule pier.

**Flood Gate and Dam Gate Inspection, Southwest Florida Water Management District, Statewide, FL.** Senior Mechanical Engineer. Provided machinery inspections and recommendation reports for State-owned flood control gates and dam gates in the District. Inspected four structures and provided maintenance forecasting and inspection protocols for all District structures. This included cost estimates for all recommended repairs and anticipated future maintenance.

**Southern Boulevard Bridge Replacement, Florida Department of Transportation (FDOT), District Four, Palm Beach County, FL.** Senior Mechanical Engineer responsible for design of mechanical portion of the bridge replacement. This included the span drive machinery design and the writing of the FDOT Technical Special Provisions (TSP) 465 as well as the engineer's cost estimate and construction schedule.

**ArcelorMittal Railroad Bridge, ArcelorMittal, Cleveland, OH.** Senior Mechanical Engineer responsible for design of mechanical portion of the bridge rehabilitation. This included the repair and rehabilitation of the span drive machinery. The work is being done in 2 phases during scheduled marine closures. Responsibilities include developing plans, specifications, and a cost estimate for all mechanical work. Further responsibilities include post-design construction support which involves answering RFI's, reviewing contractor submittals, and reporting findings to ArcelorMittal representatives.

**Bridge Inspection Manuals, Mississippi Department of Transportation (MissDOT), Statewide, MI.** Senior Mechanical Engineer. Responsible for writing mechanical portions of MissDOT bridge inspection manuals for 3 movable bridges. These manuals were written for MissDOT personnel to help them with preventative maintenance and to properly determine the condition of the bridges.

**Lincoln Tunnel Bus Ramps, Port Authority of New York & New Jersey, New York, NY.** Mechanical Engineer responsible for design for snow melt system and providing shop drawing review, construction inspection, and construction support for this \$50 million final design for steel repairs and deck replacement (including snow-melting system replacement) for the ten largest spans of the Lincoln Tunnel Bus garage. Designed heat transfer fluid coils embedded in slabs of replacement bus ramps, and provided inspection of coil fabrication and slab installation.

**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Derek Chisholm, LEED AP, ENV SP  
Associate Vice President Transportation Planning

**Project Assignment:**

Planning/Complete Streets

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

10

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

Master of Public Affairs/1997/Environmental Planning

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

2009/LEED Green Associate  
2014/Envision Sustainability Professional

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

Derek is a senior-level project manager and planner with experience in a wide variety of municipal and regional projects. He has managed and participated in successful transportation corridor studies, roadway plans and designs, projects approval (NEPA) and permitting. Derek moved to New Orleans after 14 years of progressive experience in Portland OR, including service as a Project Manager, Adjunct Professor, and Planning Commission Chair.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Derek Chisholm, Associate Vice President Transportation Planning**

**Lakeshore Drive Complete Streets Reconfiguration (Lake Marina Drive to Canal Blvd.), Southeast Louisiana Flood Protection Authority, New Orleans, LA.** Under the direction of Southeast Louisiana Flood Protection Authority (SLFPAA) staff, AECOM provided planning, urban design, engineering and construction management services for the Complete Streets Reconfiguration of Lakeshore Drive from Lake Marina Drive to Canal Blvd. Design included the reconfiguration of the roadway from an existing four-lane roadway to a two-lane roadway with center turn lane/median with a protected two-way cycle track. The center median allowed for the creation of safer pedestrian crossings consisting of raised, speed table crossings with Rectangular Rapid Flashing Beacons (RRFBs).

**LADOTD, Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** Senior Advisor. Mr. Chisholm has supported this project, including writing the environmental justice analysis of project impacts and tolling.

**I-49 Connector, Lafayette Regional Airport to I-10/I-49/US 167 Interchange, LADOTD, Lafayette Parish, LA.** Lead Planner. The team currently completing the Functional Plan for the 5-mile urban I-49 corridor in Lafayette that is structured around a context sensitive solutions approach. Mr. Chisholm is assisting with the NEPA Supplemental EIS and Design and permit approvals, as well as facilitating the process associated with cultural resources. He serves as the bridge between the public involvement of the CSS process and the environmental team. Context Sensitive Design will include multi-modal facilities, urban design elements, signature bridge, public art, etc.

**Bourbon Street, Car-free French Quarter, New Orleans Public Works and Homeland Security, New Orleans, LA.** Project Manager. Responding to the threat of vehicular attacks, New Orleans Public Works and Homeland Security asked AECOM to develop plans for a more pedestrian friendly Bourbon Street and the larger French Quarter. Various vehicle prohibition scenarios were developed, modeled, and discussed with the client and stakeholders. Subtasks included identification of vehicle barrier locations, fleet mix prohibitions, conceptual traffic flow analysis, changes to on-street parking policy, and development of new trash hauling and bar/restaurant delivery operations.

**Downtown New Orleans Transportation Plan, City of New Orleans, New Orleans, LA.** Deputy Project Manager. The City of New Orleans hired AECOM to conduct a multi-modal transportation study for three downtown neighborhoods including the urban core. This analysis generated a holistic outlook on existing transportation conditions utilizing automobile, bike, and pedestrian LOS, a curb use analysis, and other sophisticated analytics. Mr. Chisholm has managed the project, designing the analytical framework, data collection, and the stakeholder engagement process. Numerous impactful yet low-cost improvements were identified including cycle tracks, transit-only lanes, and innovative roadway configurations.

**Seattle Waterfront Promenade and Overlook Walk, Office of the Waterfront and Civic Projects works Seattle, WA.** Task Lead. Following on his work removing the Alaska Way Viaduct from the Seattle waterfront, Mr. Chisholm assisted with the completion of a world-class promenade along the waterfront. The design includes cycle track, a broad walkway, open space and connections to the proposed streetcar line.

**Capitol Highway Complete Street Redesign, City of Portland, Portland, OR.** Task Lead. Mr. Chisholm was part of a multi-disciplinary team that developed solutions to the challenges associated with upper Capitol Highway in Portland. The final design included a unique approach to the constrained facility with the stormwater conveyance underneath a wooden walkway.

**TEC Professional Services Questionnaire**

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**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Mervin Tassin  
Inspector

**Project Assignment:**

Resident Inspection

**Name of Firm with which associated:**

AECOM Technical Services, Inc.

**Years' experience with this Firm:**

39

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

One Year Survey Program  
40-Hour Isotope Radiographic Safety

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

LDOTD Certification, Structural Concrete, Inspector/Technician, Portland Cement, Concrete, Embankment and Base Course, Asphalt Paving, ATSSA Registered Flagger, Traffic Control, Supervisor and Technician

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

Mr. Tassin is the chief resident project representative for various civil projects, conferring directly with the owner, representatives, and the contractors. In each of the projects, the tasks included daily coordination with the contractor and the AECOM Construction Manager, assuring that the project was being constructed in conformity with the plans and specifications; verifying daily quantities; initial review of the contractor's pay request and resolving any discrepancy; coordination of the testing laboratory scheduling; and verification of shop drawings and submittal items. His project experience includes asphalt and concrete roadways, drainage, sewer, slope paving, box culverts, levee repairs and trench drains.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Mervin Tassin, Resident Inspection**

**Salt Water Intrusion Event, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Jefferson Parish is working to supply fresh water to its citizens by installing temporary 12-inch pipes from a location near the St. Charles Parish/Jefferson Parish line on the West Bank for a distance of approximately 15 miles to its existing raw water intake facility in Marrero.

**Program Management Road Bond Improvement Program, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Construction Inspector for the review of plans and specifications and project quantities. Mr. Tassin reviewed the submittals and pay requests.

**Avenue B Drainage Basin Improvement, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Construction inspector of the installation of new RCP drain lines, building of conflict boxes, junction boxes and drain lines and new asphalt roadway pavement.

**Earhart Boulevard Construction Engineering and Inspection Services (Pine Street to State Street) Segment II, City of New Orleans, Orleans Parish, LA.** Construction Inspector. Concrete roadway, drainage, sewer, water and electrical ductbank improvements.

**Earhart Boulevard Construction Engineering and Inspection Services (State Street to S. Dupre Street) Segment III, City of New Orleans, Orleans Parish, LA.** Construction Inspector. Concrete bridge and roadway, drainage, sewer, water and electrical ductbank improvements.

**Earhart Boulevard Segments I-V, City of New Orleans, Orleans Parish, LA.** Construction Inspector. Concrete roadway, drainage, sewer, water, and electrical ductbank improvements.

**Avenue D Drainage Basin Improvements, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Construction inspector of the installation of new RCP drain lines, building of conflict boxes, junction boxes and drain lines and new asphalt roadway pavement.

**Fleur De Lis Boulevard, Jefferson Parish Department of Public Works, New Orleans, LA.** Construction inspector for the installation of sewer force mains, water force mains, gravity sewer, RCP drain lines, jack and bores under Veterans Boulevard, and 9-inch roadway paving.

**Dwyer Road Pump Station, Jefferson Parish Department of Public Works, New Orleans, LA.** Construction inspector for construction of a major pump station and box culvert.

**Gretna Wastewater Treatment Plant Rehabilitation, Jefferson Parish Department of Public Works, Jefferson Parish, LA.** Construction inspector for the rehabilitation of clarifiers, traveling bridge, sludge collection piping, weirs, gates, concrete rehabilitation, pumps and trickling filters.

**Task Force Guardian, Hurricane Katrina Storm Repairs to Levee System, USACE New Orleans District, New Orleans, LA.** Construction inspector for the inspection of levee repairs, new pump stations and gates associated with damage from Hurricane Katrina.

**Hurricane Protection Office (HPO) LPVV105-111, USACE, New Orleans, LA.** Construction inspector of placing and compaction of clay levee materials, building of drainage structures (outlet structures, sluice gate structures and inlet structures). Laying of large RCP drain lines, building floodgate structures at Highway 90 and Highway 11. Rehabilitation of existing pump stations and asphalt roadways.

**Estelle Pump Station addition, Marrero, LA.** Construction Inspector. Installation of new drainage pumps.

**West Jefferson Water-Line Levee Repair (Emergency due to Hurricane Juan), Marrero, LA.** Construction Inspector. Repair to breaks in levees.

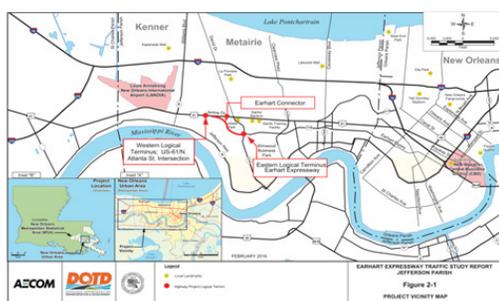
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 1**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>
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**Earhart Expressway Extension**  
Jefferson Parish, LA

Li Yang, PE  
1201 Capital Access Road Baton Rouge, LA 225.379.1456  
li.yang@la.gov



*This project will provide significant local congestion relief in Jefferson Parish and because of its connectivity to Airline Drive, serve as a more accessible relief route to I-10.*

AECOM is the Prime Consultant to provide preliminary and final design for the Earhart Expressway Extension (Earhart Connector), a 2.1-mile extension of the existing Earhart Expressway to Airline Drive. In addition to the design services, this complex urban freeway project includes a topographic survey, SUE investigation, traffic analysis, railroad and utility coordination with the Canadian national – Illinois Central (CN-IC), Kansas City Southern (KCS), and Entergy, coordination with the Jefferson Parish project for a Lead Street interchange located within the Earhart Connector project area, and an Environmental Reevaluation of the 2006 Environmental Impact Statement (EIS). Issues to be addressed in the Reevaluation will include, but not be limited to, displacements, neighborhood impacts, traffic noise and coordination with the Lead Street project.

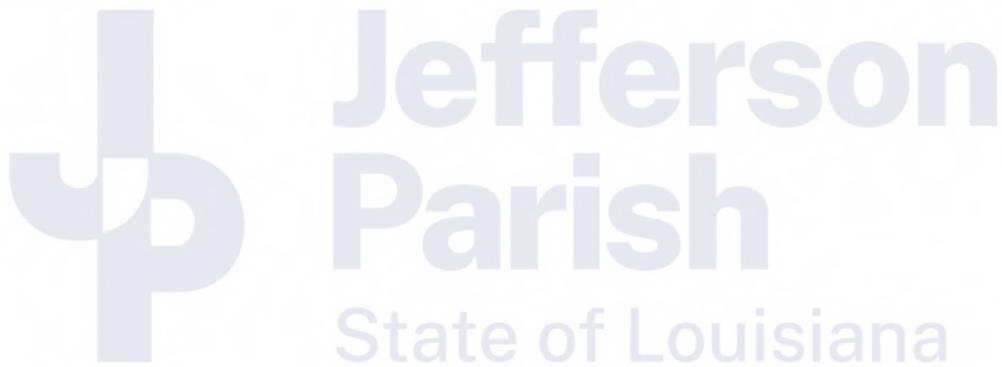
The project consists predominantly of an elevated bridge structure and new at-grade roadway connections to existing Earhart Expressway on the east end and Airline Drive on the west end. The project's general limits were established through the EIS and the survey, including an expanded western limit of the project along Airline Drive to accommodate necessary lane transitions and operational requirements from the new project to existing Airline Drive.

The Earhart Connector is one of the most important transportation projects in the New Orleans region, providing additional freeway connectivity within the transportation network. It will provide significant local congestion relief in Jefferson Parish and because of its connectivity to Airline Drive, serve as a more accessible relief route to I-10.

<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2022	\$150M	\$3M

**Nature of Firm's Responsibility:**

As of 2017, the initial topographic survey and subsurface utility evaluation (SUE) have been completed. Ongoing tasks include railroad coordination and utility coordination to establish minimum clearances and required span lengths at the multiple railroad crossings and traffic analysis that includes establishment of roadway and intersection alternatives along Airline Drive. Future work will include Reevaluation of the EIS that includes public information meetings, coordination with the Lead Street project, preliminary bridge and roadway design, right-of-way acquisition, and the development of final design plans.



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

**PROJECT NO. 2**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Jefferson Parish Program Management Support, Road Bond Programs</b>  <i>Jefferson Parish, LA</i></p> <p>Jefferson Parish Engineering Dept.  Neil Schneider, Capital Projects Director  Joseph S. Yenni Building  1221 Elmwood Park Blvd., Suite 906  Jefferson, LA 70123  (504) 736-6833</p>  <p><i>AECOM provided coordination with the water, sewer, drainage, streets and parkways departments of Jefferson Parish in resolving design and construction issues and conflicts.</i></p>	<p>AECOM was selected to provide program management support services including on-site staff for both the 2017 and 1998 Road Bond Improvement Programs for Jefferson Parish. The selection was based on our expertise in program management, project management, construction management, familiarity with local conditions, our multi-disciplinary staff and experience with road, bridge and utility design. Jefferson Parish addressed serious transportation needs via the 2017 and 1998 Road Bond Improvement Programs. The 2017 Road Bond Program includes 34 projects with a value of nearly \$150M in proposed improvements. AECOM is currently working with Jefferson Parish to leverage Federal, State and Grant funds to expand the program. The 1998 Road Improvement Program, originally bonded for \$113 million, was expanded to \$210 million as the program progressed. As part of that expansion, additional projects and additional outside funding (such as Federal Aid Urban Systems Funding, TEA-21 Demonstration Projects and local agency funding) were added increasing the program to a total of 114 projects over \$275 million in proposed improvements. As part of our services, AECOM helped Jefferson Parish leverage \$81.5 million worth of funding from Federal, State and other local funding sources. AECOM worked diligently with the Parish Administration to fully define the scope of work for each project. AECOM also assisted the parish in public information meetings to inform the public about upcoming projects. During the design phase, AECOM was responsible for design reviews of all plans to assure that Jefferson Parish and LADOTD Standards were being followed.</p> <p>AECOM provided coordination with the water, sewer, drainage, streets and parkways departments of Jefferson Parish in resolving design and construction issues and conflicts. AECOM as Program Manager acted as the Parish's agent in resolving numerous conflicts with utility relocations and oversaw the resolution of utility conflicts during construction. During construction, AECOM represented the Parish in monthly meetings, plan change development, change order negotiations and conflict resolutions. With AECOM's involvement, claims were held to a minimum and both schedules and budgets were met.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2027 (estimated)	\$120M (2017 Program)	\$13.5M (2017 Program)

**Nature of Firm's Responsibility:**

AECOM tracked both schedule and budget throughout the project and provided quarterly reports on the status. AECOM handled construction of several Federal Aid/Urban System projects for the Parish during this program.

AECOM also provided project data management and monitoring, reviewed invoices, processed plan changes, resolved claims, participated in field reviews and the final inspections, and received and processed the final close-out documentation. AECOM also oversaw design of several other projects scheduled to be included in the urban systems program and oversaw the construction of other projects requiring LADOTD coordination of the projects constructed, over twenty of them involved drainage structures on the major drainage canals in Jefferson Parish. This includes projects on Cousins, Whitney, West Esplanade, Veterans, Airline, West Metairie and West Napoleon Canals. AECOM worked with engineers and contractors to implement innovative techniques for box culvert construction such as ConSpan and slide rail shoring systems.

**Representative projects of the 1998 Road Bond Program:**

- **Clearview Parkway/Veterans Boulevard Intersection Improvements.** Included a precast box culvert under the intersection using expedited construction methods.
- **Veterans Boulevard/Severn Avenue Intersection Improvements.** Included the installation of a ConSpan structure using slide rail shoring.
- **Wilker Neal Street Bridge Replacement.** The existing bridge over the Airline Canal was replaced by a cast-in-place box culvert.
- **Cousins Boulevard Improvements (Paxton to Woodmere).** Replaced the Woodmere Boulevard Bridge with a 700-foot ConSpan structure.
- **West Esplanade Avenue/Page Drive Intersection Improvements.** Included a new box culvert with U-turns to the East of the intersection.
- **West Metairie Avenue U-Turn near Mason Street.** Involved adding a new U-Turn across the W Metairie Canal using a cast-in-place box culvert.

**Representative projects in the 2017 Road Bond Program:**

- **Holmes Blvd. Rehabilitation (Terry Parkway to Browning Lane).** Remove/replace existing 2-lane concrete roadway. Add a 6-foot continuous bike lane protected by a 2-foot mountable curb on either side of roadway. Upgrade handicap ramps to meet ADA standards. Provide beautification including trees & shrubs along route.
- **Oakwood Smart Growth - Hector Ave. Improvements (Whitney Ave. to Terry Pkwy).** Provide a 12-foot shared pedestrian/bike path on north side of Hector Ave from Whitney to Terry Pkwy. Includes a bridge across the Wright Ave Canal. Provide parking bays along north side of Whitney Ave & a 5-foot sidewalk along the southside.
- **Lapalco Blvd. Overpass over Bayou Segnette Rehabilitation.** Construct bridge repairs including, but not limited to, lead based paint removal, new paint system application, curtain wall reconstruction & repairs, span support framing system, bearing pad replacements, anchor bolt replacements, concrete repairs, soil stabilizations, fill, bridge deck joint system replacement, permanent pavement markings, bridge drainage system rehabilitation, and graffiti remediation.
- **Pritchard Road Extension (Leo Kerner Pkwy to Sprig St).** Replace existing 20-foot concrete roadway & widen to 26 feet. Extend roadway from the existing dead end to Sprig Street. Relocate existing ditch south of roadway to provide for roadway widening. Improve drainage entering the ditch.
- **Ames Boulevard Resurfacing.** (Westbank Expressway to Happy Street). Mill/overlay existing asphalt pavement over existing concrete roadway. If needed, replace damaged concrete panels, repair existing base & replace concrete curbs. Upgrade handicap ramps where needed to meet ADA standards.

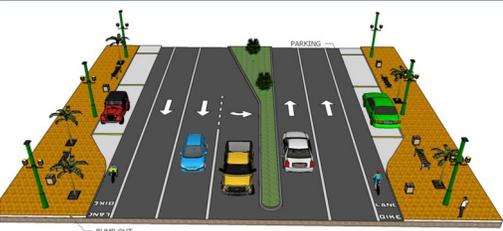
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 3**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>College Drive Enhancement Project</b>  <i>Baton Rouge, LA</i>                      City-Parish of East Baton Rouge                      Scott Hoffeld                      1200 Brickyard Lane, Suite 400                      Baton Rouge, LA 70802                      (225) 572-7111                      scott.hoffeld@stantec.com</p>  <p><i>Proposed Service Road to manage access along College Drive.</i></p>	<p>AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.</p> <p>The Design Study will produce preliminary concepts that are improvements to corridor connectivity, access management, pedestrian and bicycle safety, capacity improvements that will be evaluated using mesoscopic modeling. The concepts will be assembled into corridor alternatives that will be analyzed using VISSIM. Environmental impacts, ROW impacts and acquisitions, utility relocations, implementation of green infrastructure elements, project construction costs, traffic operations and safety improvements will be factors in the evaluation. The project also includes public involvement, stakeholder engagement, and railroad coordination for modifications to the railroad crossing. The alternatives and the project areas environmental inventory will be documented using the Stage 0 Scope and Budget and Environmental Checklists.</p> <p>Once an alternative is selected, two sets of preliminary and final plans will be completed. One set will be for identified interim improvements. Final plans will be developed for the complete plan as documented in the selected alternative.</p> <p>AECOM is coordinating and collaborating with LADOTD and the City-Parish of East Baton Rouge in the development of the operational and safety analyses. This includes the assessment of past traffic studies to compare that data with the current traffic volumes to determine the COVID-19 impact to traffic along this vital corridor.</p> <p>A full and complete TEPR compliant Traffic Study will be submitted for this project.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2029	\$3.4M	\$1.7M

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

**PROJECT NO. 4**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>US61/ Tulane Avenue Corridor Design</b>  <i>New Orleans, LA</i></p> <p><b>New Orleans Regional Planning Commission</b>                      Jeffrey Roesel, AICP                      10 Veterans Blvd                      New Orleans, LA 70124                      (504) 483-8528                      jroesel@norpc.org</p>  <p><i>Intersection improvements, the addition of turn lanes, traffic signals, and improved traffic signal timing were all evaluated and incorporated into the preferred alternative.</i></p>	<p>AECOM prepared a study and design for a 1.8-mile segment of the US 61/Tulane Avenue corridor which spans from Carrollton Avenue to Claiborne Avenue in Orleans Parish. This plan supports economic development and addresses roadway preservation, traffic safety and operational issues, pedestrian safety, alternatives for enhanced transit service (i.e. bus-rapid transit) and Transportation System Management (TSM) needs.</p> <p>Improvement alternatives were defined that are consistent with LADOTD Complete Streets concept that enhanced pedestrian bike and transit system operations. Access management concepts were also included to improve traffic operations and safety. An engineering map atlas was prepared to present the proposed geometric improvements for the preferred alternative selected for the corridor based on public and stakeholder input from the Public Meeting and Public Hearing as well as comment periods.</p> <p>A traffic study was prepared for the project to evaluate the alternatives which reduced Tulane Avenue from 6 to 4 travel lanes. This traffic analysis also incorporated the additional traffic that will be generated from the new residential and commercial developments as well as the two new hospitals. Intersection improvements, the addition of turn lanes, traffic signals, and improved traffic signal timing were all evaluated and incorporated into the preferred alternative.</p>	
<p><b>Completion Date (Actual or estimated):</b></p>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2014	\$13M	\$1M

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

**PROJECT NO. 5**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Lakeshore Drive Complete Streets Reconfiguration (Lake Marina Drive to Canal Blvd., New Orleans, LA</b></p> <p>Southeast Louisiana Flood Protection Authority            6920 Franklin Avenue            New Orleans, LA 70122            Ryan Foster, Levee Safety Engineer / Supervisor            (504) 286-3100 ext. 1057            rfoster@floodauthority.org</p>  <p><i>The conversion to a two-lane roadway yields safety benefits, but also yields space for the addition of pedestrian crossing refuges, and a protected two-way cycle track</i></p>	<p>Under the direction of SLFPAE staff, AECOM provided planning, urban design, engineering and construction management services for the Complete Streets Reconfiguration of Lakeshore Drive from Lake Marina Drive to Canal Blvd. The team collected and analyzed data, coordinating stakeholder outreach, and made conceptual-level recommendations to improve safety, especially for pedestrians, between Floodgate L-05 and Shelter 1.</p> <p>Traffic analysis, urban design, and stakeholder input all led to the conclusion that four travel lanes were not needed. The conversion to a two-lane roadway yields safety benefits, but also yields space for the addition of pedestrian crossing refuges, and a protected two-way cycle track. The new pedestrian crossings will include raised, speed table crossings with Rectangular Rapid Flashing Beacons (RRFBs). Each includes new lighting and a center median with pedestrian refuge islands.</p> <p>During the Design Phase, the project limits were increased to provide improvements from Robert E. Lee Blvd. to Canal Blvd in order to provide proper connection to the surrounding roadway network. Design included the reconfiguration of the roadway from an existing four-lane roadway to a two-lane roadway with center turn lane/median with a protected two-way cycle track. The center median allowed for the creation of safer pedestrian crossings consisting of raised, speed table crossings with Rectangular Rapid Flashing Beacons (RRFBs). The new protected two-way cycle track also provides for safer bike lanes with a greatly reduced amount of conflict points with vehicular traffic.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$1.5M	\$249K

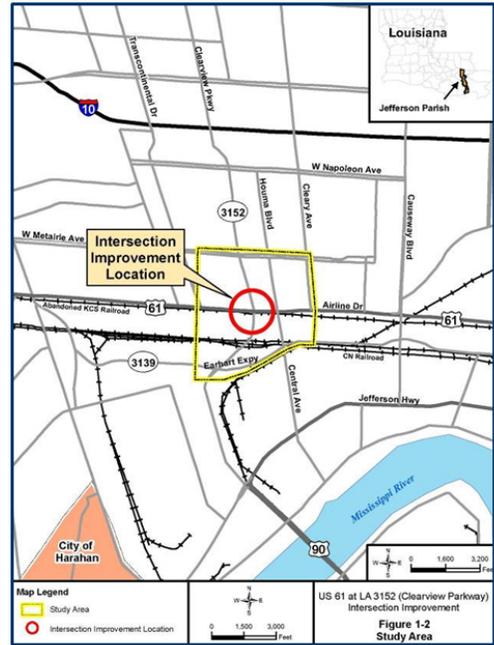
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 6**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>
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**US 61 at LA 3152 / Clearview Parkway, Environmental Assessment  
New Orleans, LA**

New Orleans Regional Planning Commission  
Jeffrey Roesel, AICP  
10 Veterans Blvd  
New Orleans, LA 70124  
(504) 483-8528  
jroesel@norpc.org



AECOM conducted an EA as a requirement of the National Environmental Policy Act (NEPA), and to prepare other related documents for the proposed construction of intersection improvements at the US 61 (Airline Drive) at LA 3152 (Clearview Parkway).

Clearview Parkway is a major north-south corridor that connects to I-10, Jefferson Highway, and to the Huey P. Long Bridge over the Mississippi River. Currently, this heavily congested, signalized intersection operates with exclusive left-turn phases.

Build Alternatives under consideration included:

- At-grade geometric improvements to the intersection
- Continuous Flow Intersection (CFI)

Responsible for the following project components:

- Development of Purpose and Need
- Alternatives Development and Analysis
- Traffic Analysis and Intersection Design
- Environmental and Cultural Resources Assessments
- Public Involvement
- Agency Coordination
- Estimates of Probable Cost

Based on the impacts defined in the EA and upcoming public involvement opportunities, the RPC and LADOTD will identify a preferred alternative. Following the review and evaluation of public hearing comments received on the EA, the RPC, LADOTD, and participating agencies will formalize the selection of a preferred alternative. A Finding of No Significant Impact (FONSI) will then be prepared if the RPC, LADOTD, and FHWA determine that the preferred alternative will have no significant environmental impacts and should be implemented.

<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2017	\$4.5M	\$584K

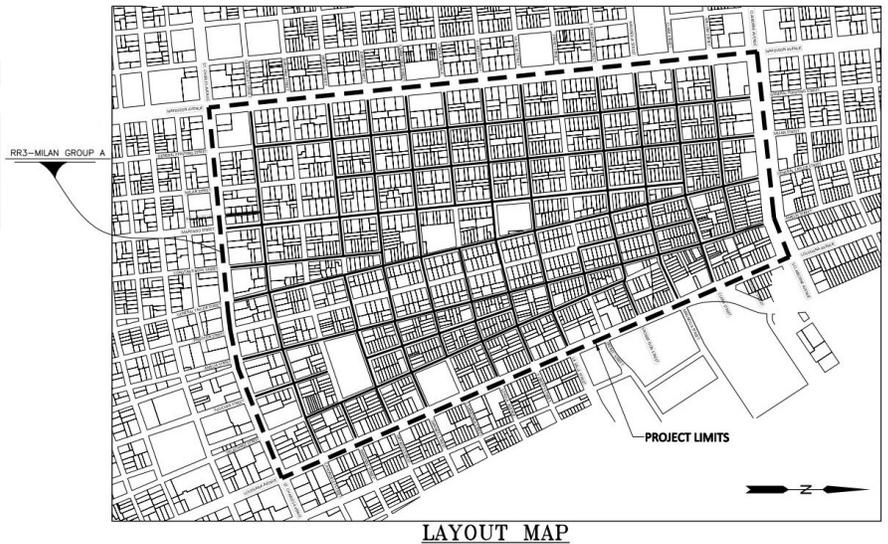
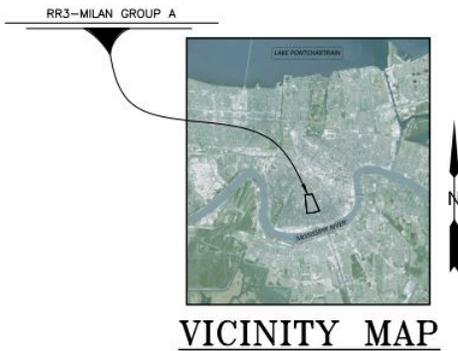
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 7**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>
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**RR129 Milan Group A  
New Orleans, LA**  
 City of New Orleans  
 Ainsley Fischer  
 1300 Perdido Street  
 New Orleans, LA 70112  
 (504) 658-8019  
 Ainsley.Fischer@nola.gov

AECOM is currently in the development of a plan set for reconstruction/restoration of multiple roadways in the Milan neighborhood of New Orleans, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. The project is currently in Preliminary design and will advance through Final Design to include Construction Administration and Resident Inspection. The project also included approx. 5,000 L.F. 8" waterline and 1,124 L.F. 12" waterline design.  
 AECOM Responsibilities: Design, Construction Admin and Inspection. Currently in Final design phase (submitted 90% plans set); estimated complete design second quarter 2022 then Bidding and Construction to follow.



<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2022	\$10.6M	\$785K

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

**PROJECT NO. 8**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>LA 46 @ Weinberger Rd. Intersection Improvements</b>  <i>St. Bernard Parish, LA</i></p> <p>St. Bernard Port, Harbor and Terminal District            J. Ted Roche, III            100 Port Blvd.            Calmette, LA 70043            (504) 628-5027            troche@stbernardport.com</p>  <p><i>AECOM designed an improved intersection configuration for Weinberger Rd @ LA 46 (St. Bernard Hwy) for the St. Bernard Port.</i></p>	<p>AECOM designed an improved intersection configuration for Weinberger Rd @ LA 46 (St. Bernard Hwy) for the St. Bernard Port. The project is being partially funded with Louisiana Capital Outlay funding as part of a Local Public Agency (LPA): Agreement between the St. Bernard Port and DOTD.</p> <p>Weinberger Road currently serves as the primary access to Associated Terminal's facilities on the Mississippi River at the Arabi Terminal/ Chalmette Slip. In it's current configuration, it crosses 5 rails lines and intersects LA 46 at a skewed angle, which impacts intersection safety and capacity on a roadway with high level of commercial truck usage. This project will realign Weinberger to cross the railroad tracks and intersect LA 46 at a 90 degree angle, thus improving access and safety for the large number of trucks that access the site. The project also includes an environmental clearance component that is currently seeking Solicitation of Views to acquire a Categorical Exclusion for the project.</p> <p>This project is the first of three planned design phases that resulted from a Stage 0 Transportation and Land Use Access improvement Feasibility Study to not only improve safety and access to the Arabi Terminal, but also provide an alternative access for the adjacent Domino Sugar Facility. This alternative access to Weinberger would in turn reduce the heavy truck traffic that currently accesses through the residential streets of Historic Old Arabi, particularly along Aycock Street.</p> <p>The second would be to construct this alternative access from the adjacent Domino Sugar Facility to the newly configured Weinberger Road. This would then allow Commercial vehicles requiring access to the Domino Sugar Facility to discontinue utilizing Aycock Street through the Old Arabi neighborhood. Once this heavy truck traffic is removed, it would allow a "Complete Streets" upgrade to be preformed to Aycock Street to promote a pedestrian and bicycle friendly corridor. These improvement will in turn provide opportunities in the Old Arabi Community to improve community and land use compatibility within the Old Arabi community and associated historic districts.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$2M	\$220K

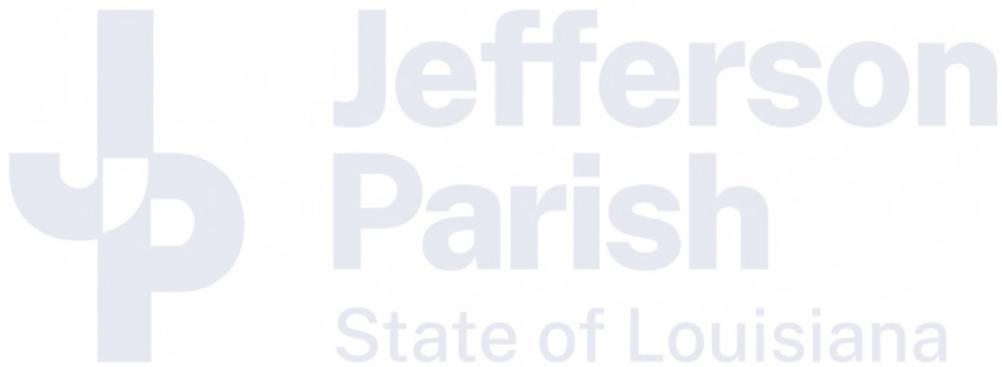
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 9**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Louisiana Avenue Improvements (Constance Street to South Claiborne Avenue)</b>  <i>New Orleans, LA</i>                      USACE New Orleans                      Larry Mickal                      7400 Leake Avenue                      New Orleans, LA 70118                      Larry.E.Mickal@usace.army.mil                      (504) 862-2711</p>  <p><i>Dual Box Culvert down middle of Louisiana Avenue.</i></p>	<p>As part of the Southeast Louisiana (SELA) Urban Flood Control Project, AECOM was contracted to the USACE, New Orleans District to design a new box culvert along Louisiana Avenue in New Orleans and provide Engineering During Construction (EDC) services. The new box culvert extends approximately 1.5 miles between Constance Street and Claiborne Avenue and connects to an existing box culvert at Claiborne Avenue. The new box culvert transitions in size beginning with an 8'x 8' structure to 10' x 8', and finally a 12' x 10' box culvert. AECOM performed all structural design of the box culvert, as well as geotechnical engineering for foundation support and construction.</p> <p>In addition, AECOM also provided civil and roadway design. This includes utility relocations and traffic maintenance throughout the construction phase. AECOM prepared plans and specifications for bidding, assisted USACE during the bid phase process, and is currently providing EDC services. Civil and structural drawings include:</p> <ul style="list-style-type: none"> <li>• Roadway plan/profile sheets.</li> <li>• Drainage connection at cross streets; roadway typical sections.</li> <li>• Side road grading plans.</li> <li>• Geometric intersection details.</li> <li>• Utility layouts / relocations.</li> <li>• Maintenance of Traffic and construction and signing sequencing (6 phases).</li> <li>• Permanent signing and striping plans.</li> <li>• Plan/profile of box culvert.</li> <li>• Box culvert cross-sections with reinforcing details.</li> <li>• Foundation details.</li> <li>• Ground improvement design/box support foundation (jet grouting).</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2017	\$80M	\$3.6M

**Nature of Firm's Responsibility:**

The project is complex due to the nature of the project site. Louisiana Avenue is an urban, 4-lane street with on-street parking, a narrow median and many historic structures and other features such as street tiles and slate curbing. The box culvert will also have to cross under the St. Charles Avenue streetcar tracks. In addition, the avenue is lined with live oak trees that must be protected during the construction phasing. Therefore, close coordination has been necessary with the City of New Orleans Public Works, Traffic/Streets Department, New Orleans Regional Transit Authority (RTA), Parks and Parkways, and the individual utility companies with facilities along the route. Utility relocations include: 8" waterline, gate valves, fire hydrants, minor drainage structures, as well as sewer and gas lines.



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

**PROJECT NO. 10**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>
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**LA 23 Bridge over Mid Barataria Sediment Diversion**  
*Plaquemines Parish, LA*

Coastal Protection and Restoration Authority, State of Louisiana  
 Bradley Barth, PE  
 150 Terrace Ave.  
 Baton Rouge, LA  
 (225) 342-7308  
 bradley.barth@la.gov



AECOM is the lead designer for the \$1.4 Billion Construction Management at Risk (CMAR) project build a sediment diversion channel between the Mississippi River and Barataria Bay. The project features include a Mississippi River Intake, four-lane Hwy 23 bridge, and a two-track Class I Railroad bridge, conveyance channel, earthen levees and floodwalls, a 750-cfs inverted siphon bank, miscellaneous facility buildings, and marsh creation areas to be constructed using excess, excavated earthen materials.

The four-lane highway will be relocated onto a new 2,300-foot-long prestressed concrete girder bridge structure within the existing highway right-of-way. Two-way, two-lane frontage roads will be constructed within the limits of the bridge structure to maintain access to the adjacent properties. AECOM is responsible for the planning, preliminary design, and final design of the bridge and its approaches along with the roadway modifications and traffic control plans during the construction of the bridge. AECOM also performed a traffic analysis for inclusion into the Environmental Impact Statement and Basis of Design report.

The project is being designed at a co-location office with weekly design meetings between AECOM, the CMAR contractor, and the Owner Program Management Team to tailor the designs to CMAR's means and methods and include CMAR suggestions for improvements in constructability.

At submittal milestones, cost estimating reconciliation meetings are held with CMAR and Independent Cost Estimator to identify and resolve estimating differences. The design is being coordinated with DOTD, the NOGC Railroad, affected utilities, and the adjacent PLT facility design staff to confirm interfaces between the project and other projects and existing conditions are properly resolved in a satisfactory manner. Permit sketches for USACE and US Coast Guard review were developed. Special roll plots were developed for coordination with stakeholders and property owners adjacent to the Highway to depict ROW impacts and property access changes. The project is currently the largest project in the State of Louisiana that is utilizing the CMAR project delivery method as enabled by state legislation and implemented using the DOTD CMAR Manual.

<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

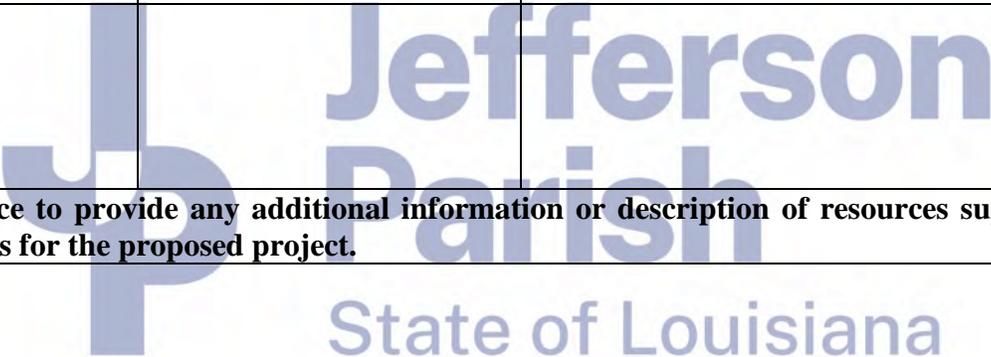
2028	\$39M	\$15M
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**TEC Professional Services Questionnaire**

**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.		
2.		
3.		
4.		

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



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

Signature:  Print Name: \_\_\_\_\_  
 Title: \_\_\_\_\_ Date: \_\_\_\_\_

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

## **Minimum Qualifications**

### **1. Principal who is a licensed, registered professional engineer in Louisiana**

Mr. Michael Patorno, PE, is our Principal for this program. Mr. Patorno has more than 38 years of engineering experience specific to Jefferson Parish and has been a licensed Louisiana Civil and Environmental Engineer (#0024197).

### **2. A professional in charge of the Project who is a licensed, registered professional engineer in Louisiana with a minimum of five years' experience**

In addition to Mr. Patorno, our Project Manager, Mr. Sreeni Bollu is a registered Louisiana PE (#0034330), with more than 20 years of experience. In addition to Mr. Bollu, we have also included a variety of other engineers with the skillsets required for this program with Louisiana PE's that have more than the five (5) years required minimum experience. Please reference the resume section for additional information on experience.

### **3. The persons or firms under consideration shall have one (1) employee who is a licensed, registered professional engineer in the State of Louisiana. A subcontractor may meet this requirement only if the advertised Project involves more than one discipline**

AECOM has several individuals that are licensed and registered as professional engineers in the State of Louisiana. Please to refer to our organizational chart and resumes for additional staff that meet this criteria.

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

## Evaluation Criteria

### 1. Professional Training and Experience

AECOM has a superior local staff supported by industry experts around the globe. In staffing this project, we have started by identifying the key local personnel who will have primary responsibility in executing the projects.

#### Experience Highlights

##### **Sreeni Bollu, PE, CPM, PMP • LA #34330**

Mr. Bollu serves as our Project Manager. He is a Civil Engineer with 20 years of experience in all phases of project development from conceptual design to construction management. He has provided professional consulting services to numerous public and private clients, serving as Project Manager or Project Engineer on numerous roadway improvements, drainage studies, commercial & residential subdivisions, and construction management.

Our organization chart shows the proposed breakdown of project roles and tasks. The AECOM team will provide a management team that works cost-effectively and efficiently to guide and manage our overall team to accomplish required project tasks.

A brief paragraph of experience is provided below for each key individual identified in the organization chart and demonstrates how our team far exceeds the Jefferson Parish requirements to design this project.

##### **Jonathan McDowell, PE • PE LA #30508**

Mr. McDowell has 23 years of experience as a project manager for a wide variety of transportation and public infrastructure projects in Louisiana and Mississippi.

His roles have included planning, design, contract administration, and construction engineering and inspection for numerous projects involving interstate highways, urban and rural roadways, streetcars, railroads, bridges, drainage canals and

Revised 02/02/2022

culverts. Through his experience, he has gained an understanding of the process required to bring a transportation project from an idea to a built reality.

He also is the lead road design engineer for the extension of the Earhart Expressway extension from Dickory Avenue to Airline Drive. His involvement brings a unique efficiency to the project as he understands the project site and the issues and constraints associated with the project that would allow the AECOM Team to expedite the project.

##### **Greg Trahan, PE • PE LA #36041**

Mr. Trahan has 15 years of experience working with public and private clients and the general public to aid in the design of transportation projects. He has experience as a project manager for many transportation, planning, design, , and construction projects. He prepares cost estimates for alternative concepts; performs traffic studies, including analyzing design alternatives and existing and future conditions; and collects and analyzes data to identify trends. Mr. Trahan's traffic expertise includes traffic data collection (speed and vehicular classification), crash data capacity and safety improvements, crash analysis, and collision diagrams.

##### **Kordel Braley, PE, PTOE • PE LA #47329/ PTOE #3173**

Mr. Braley has 17 years experiences and is a senior traffic engineer with extensive experience in transportation analysis. He specializes in the development and application of complex microsimulation models such as VISSIM to help planners, designers, and decision-makers create safe and efficient projects. In Texas, Kordel has led or assisted in the development of several Interchange Access Justification Reports (IAJRs). With the recent update of the FHWA Traffic Analysis Toolbox (TAT) Volume III, Kordel has worked proactively with TxDOT's DES Division to perform new types of analysis, including cluster analysis and statistical evaluation of alternatives to provide a more data-driven approach to traffic analysis.

## TEC Professional Services Questionnaire

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

### **Continuing Education**

AECOM is a member of the American Traffic Safety Services Association (ATSSA) and has committed that all local personnel become ATSSA certified as required to perform their work to understand how to develop a safe work zone.

We also are committed to provide specific training through LTRC that are needed to stay current with experience requirements for road and bridge design with LDOTD.

Additionally, a major tenet of the AECOM culture is the continued growth of our staff through both internal and external education. To further this philosophy, AECOM has established a web-based training center called AECOM University. At this site, all staff can find tutorials and short courses to provide education on how to better do their present jobs or increase their knowledge as they work toward a new/higher position. One of the curricula at AECOM University is the Program Manager Training, which provides detailed training on how to manage every aspect of a project and or program.

AECOM also has contracted with RedVector, a global leader in providing continuing education, to help provide learning opportunities for our technical staff and assist licensed professionals in achieving their continuing education requirements. Another means of providing our employees with educational opportunities is external classes and/or seminars.

### **2. Additional Capacity**

The key staff members in the organizational chart (on the following page) were selected based on their expertise and their availability to dedicate their strengths to this project. AECOM has deep "bench strength" and will provide additional resources and expertise as necessary to maintain schedule and quality need to provide a successful project.

Our Gulf Coast-based staff has the capacity to engage with new projects in all engineering fields set forth in our Statement of Qualifications. Our project performance tools allow for ongoing evaluations of team member workload assignments. AECOM's Project Delivery System allows Project Managers to efficiently monitor our available resources, manage

schedules and control budgets to meet the goals of our clients.

Considering the firm's available professional and support personnel, AECOM has the capacity to perform the work in an efficient and effective manner for timely completion of the work. AECOM has historically managed projects within budget, and produced quality technical deliverables for Jefferson Parish, LDOTD, RPC, the City of New Orleans, USACE New Orleans District, and other local clients. An example is the raising of I-10 in New Orleans East over the LPV 109 Levee for the USACE and LDOTD, which had a tight schedule that had to be met.

AECOM currently has nearly 153 employees in the Design and Consultant Services group located in Louisiana. In addition, AECOM has two other service groups operating in Louisiana—Construction Services and Management Services—with a total Louisiana staff of more than 200 employees and more than 18,000 nationally. AECOM's large local multi-disciplinary staff and overall large size as a consultancy allows the firm to provide virtually unlimited resources to any project we are selected to perform.

Our local workload currently in transportation design and construction administration for transportation and related transportation engineering tasks allows many of our key personnel resources to be available to immediately immerse in engineering assignments for Jefferson Parish. Although we are honored to assist the Parish with the ongoing Road Bond Program, additional design work and traffic studies would not impact delivery of the Program.

The AECOM team has a unique understanding through practical experience of providing the type of roadway design work within Jefferson Parish.

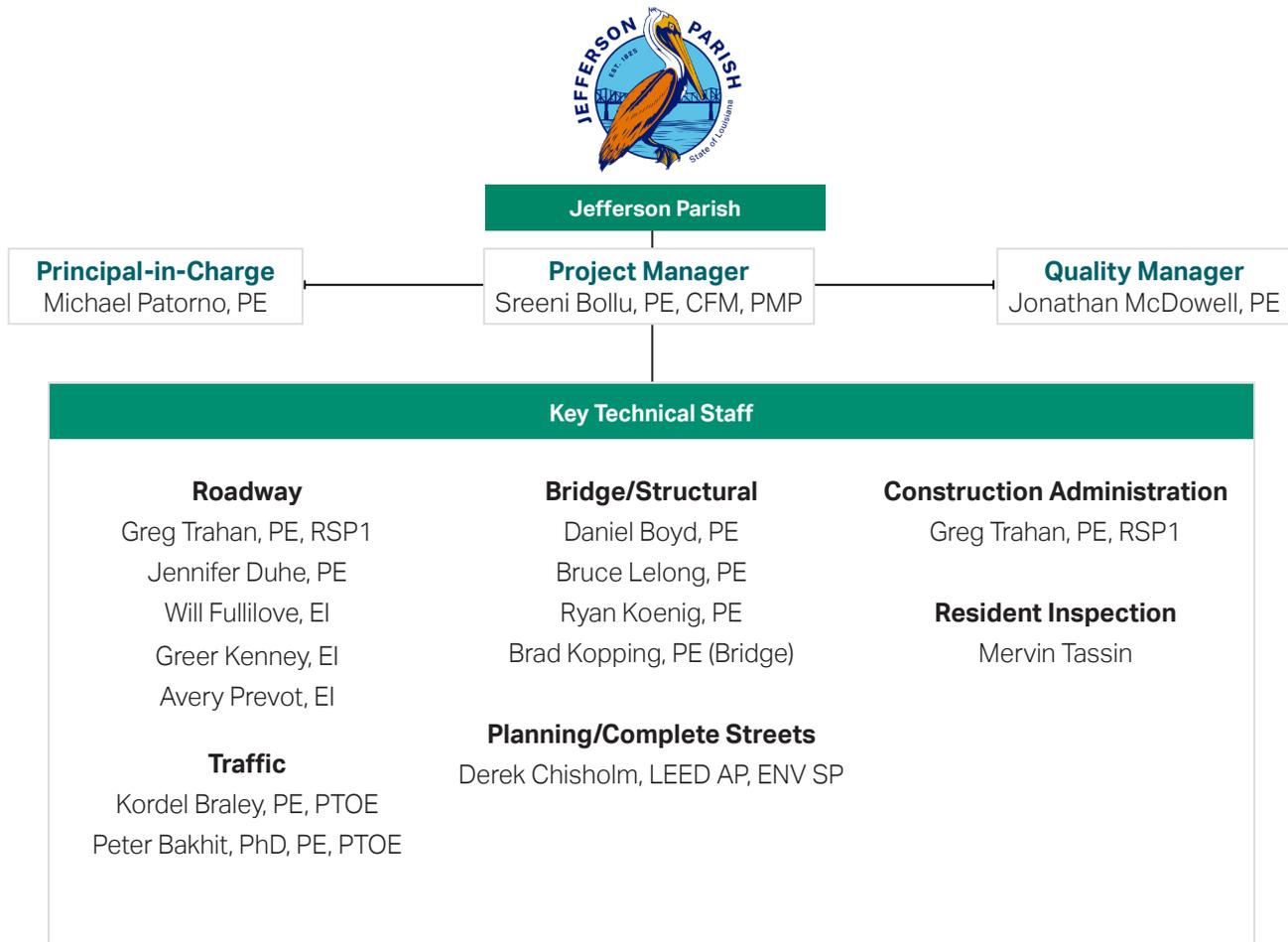
We commit to providing the staff resources, knowledge, experience, and in-place systems to help Jefferson Parish implement any project assigned without delay. These resources will ensure we can successfully deliver projects to meet the Parish's schedule, budget, and quality expectations.

**TEC Professional Services Questionnaire**

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

**Our proposed project manager, Sreeni Bollu has successfully managed several sizable projects in the New Orleans area, on schedule and within budget, from multi-million dollar flood control projects to surface transportation projects throughout the Region.**

**TEAM ORGANIZATION**



## TEC Professional Services Questionnaire

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

### 3. Location of Principal Office

The location of the principal office for these services will be our New Orleans office located at 1555 Poydras St., Suite 1200, New Orleans, LA 70112

### 4. Adversarial Legal Proceedings

AECOM is not involved in any litigation against Jefferson Parish.

### 5. Prior Successful Project Completion

Primary projects which represent similar and/or relevant experience selected for presentation in this SOQ, with references who can be contacted for verification, include those in the TEC Questionnaire, as well as those in the figure below.

AECOM offers the following list of local client references who may attest to the value and service offered by AECOM over a wide range of engineering design and construction projects, over more than 50 years of service to the local communities. In addition, please see the list of references for our affiliated team partners in their attached SOQ submittals.

#### Client References

AECOM has completed numerous transportation-related projects and other major projects throughout Jefferson Parish, the New Orleans Metro area and within Louisiana, and has a proven track record for completing such projects on schedule, within budget, and with excellent technical quality.

Transportation-related services include roadway and bridge design; construction phase services; drainage design; traffic engineering; transportation planning; preparation of NEPA documents; and program management. Local clients have included Jefferson Parish, LDOTD, RPC, City of New Orleans, Regional Transit Authority, the USACE New Orleans District, and the Sewerage and Water Board of New Orleans.

### Prior Successful Completion of Projects

AECOM has successfully completed projects of the type and nature of the engineering services for this project relative to roadway, bridge, construction management related services.

“The efforts of your company were integral to meeting the Corps’ goal of restoring protection by the 1 June start of hurricane season. The willingness of your employees to work long hours under difficult conditions is a tribute to the professionalism of your company and demonstrates your commitment to rebuilding south Louisiana.”

- Lewis F. Setliff, III, Colonel, U.S. Army

### Examples of Successful Completion of Projects

*Design of Raising of I-10 in New Orleans East, Hurricane Storm Damage Risk Reduction System.*

AECOM provided planning, design, and construction management services to assist the USACE in completing improvements to the HSDRRS in the New Orleans area. One of the key projects was the design of raising I-10 in New Orleans East. AECOM evaluated raising I-10 on embankment and a bridge alternative. AECOM worked in close coordination with LDOTD, and the USACE to prepare the engineering design for the project including final engineering plans and specifications. AECOM also provided construction management services for the project. The overall program included designing more than \$2B in construction contracts, for flood protection, damage and transportation projects, preparing numerous



## TEC Professional Services Questionnaire

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

technical reports, the preparation of cost estimates and schedules, and the provision of numerous construction management personnel. The team prepared preliminary engineering reports and developed plans and specifications for multiple construction contracts.

These personnel included structural, geotechnical, civil, and transportation design engineers, project managers, construction managers, project engineers, schedulers, estimators, quality assurance representatives, and administrative personnel.

After Hurricane Katrina, AECOM was tasked with numerous sets of plans and specification for levees, floodwalls, pumping station, floodgates, major highways, and multitude of other tasks. All construction had to be completed by June 2011 to meet the USACE commitment to New Orleans. This effort required that we produce multiple sets of design documents quickly and to meet the USACE's revised design standards.

This intensive approach resulted in all AECOM designs being completed on time, which led to all of the resulting construction contracts being completed on or before June 2011.

#### *Earhart Boulevard Roadway Improvements*



The highly successful completion of the Earhart Boulevard Improvements, which reconstructed Earhart Boulevard from downtown New Orleans to the Jefferson Parish line, is one such example of our extensive roadway experience. AECOM provided design, management, construction phase services, and environmental services for the replacement of the existing roadway with a new concrete roadway, including new traffic signals with interconnectivity, major drainage improvements using LDOTD and AASHTO design standards, installation of a large

water distribution line, and a new electrical feeder for the New Orleans pump station system.

AECOM was also instrumental in negotiating the removal of the railroad bridge over the Washington Avenue Canal and the elimination of the at-grade railroad crossings on Washington Avenue and Jefferson Davis Parkway. AECOM also helped resolve environmental concerns raised by the surrounding neighborhood about the Thompson Hayward site, which was directly adjacent to a portion of the roadway construction.

Working with the local community, EPA, LDEQ, and the City, AECOM was able to broker an understanding that allowed the roadway to be constructed as designed. When the segment from Hamilton Street to Pine Street was deemed eligible for the ARRA, our team was responsible for developing the plans and specifications, on a tight schedule, to meet LDOTD and FHWA requirements, including acquiring all utility permits and certificates and updating the EA.

#### **Jefferson Parish, LDOTD, and RPC Experience**

AECOM has extensive experience successfully completing related planning, design, and environmental projects for Jefferson Parish, LDOTD, and the RPC. With more than 50 years of experience in Jefferson Parish, AECOM has amassed a long list of projects successfully completed in Jefferson Parish, as identified below.

#### **Other Relevant Areas of Successful Project Completion**

AECOM has extensive experience in the design and construction management of projects involving the upgrade of the street network within Jefferson Parish. The expertise available from the AECOM team covers the entire design process. Additional capabilities include the design of the vertical and horizontal alignments, intersection geometrics, and civil design layout.

Additional Jefferson Parish drainage projects include the drainage improvements along Avenues B and D, which included replacement of the existing major drainage system along with the removal and replacement of the two stretches of roadway. This work included hydraulic, civil, structural, and

## TEC Professional Services Questionnaire

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

geotechnical engineering design services as well as bidding, construction management, and resident inspection services. Other key local projects include the design of the Claiborne Ave, Napoleon Ave, and Louisiana Ave major box culverts for the Sewerage and Water Board of New Orleans, as part of the SELA program.

#### **Bridge Experience**

Our experience includes bridges from simple box culvert type bridges to the large steel complex trusses. AECOM team members have substantial bridge experience and can bring the quality reviews necessary to the Program to give the Parish confidence that the bridges being designed by the consultants are done so properly. We also currently have a retainer contract with the LDOTD for complex bridge inspection and design.

#### **Complete Streets**

AECOM is a North American leader in transportation engineering and design. Every year since 2001, AECOM was ranked #1 by Engineering News-Record in the category of Transportation as well as Mass Transit/Rail and other disciplines.

We work with clients across the continent to help plan, design and build transportation networks that are safer and more accessible for drivers, transit users, cyclists, pedestrians and those with disabilities. We have transportation experts in every region who are experienced in the delivery of multi-modal shared streets that are practical, sustainable and supported in nearby communities.

From visioning through to final construction, AECOM provides all the services needed to deliver world-class complete streets. We have roadway, bridge, and traffic engineers who specialize in context-sensitive design, bike facilities, green infrastructure, ADA upgrades, streetcar lines, and more. Our thought leaders stay abreast of industry developments and routinely present or lead sessions at national and international conferences including ASCE, TRB, APA, NACTO, RAIL~VOLUTION and Walk Bike Places, as well as Louisiana planning and engineering conferences.

Our skilled engineers are known for their ability to develop roadway plans that balance the needs of all users by utilizing a pragmatic mix of traditional

and innovative features. We have helped develop transformational complete streets across the continent and around the world. Based on the sophisticated analysis of a community, assessment of different modal levels of service, and on public input, we create functional shared roadways that integrate all modes of transportation. From bus rapid transit, light rail and streetcar systems, to multi-modal terminals, bike facilities and pedestrian bridges, we work with you to plan, design and build shared streets that provide access for all. We have participated in many of the world's largest design-build projects totaling more than \$9 billion and have in-depth experience in the design and construction of every type of highway, bridge, tunnel and interchange.

Our portfolio reflects our commitment to excellence and client satisfaction. In addition to the local and regional projects shown in Section 11, AECOM has provided multimodal and complete streets planning and design for a number of high-profile projects throughout the nation

### **6. Size of Firm - Professional and Support Personnel**

AECOM has more than 200 staff in its Louisiana Offices, more than 4,000 staff in the Gulf Coast and 14,000 staff nationally with more than 4,000 of those with the skill sets required to perform the project currently advertised by the Parish. Locally AECOM and our partners have 40+ staff with experience in all the engineering tasks, modeling, data gap analysis, map conversions and updates and all other services required under this contract. Our local staff also includes Michael D. Patorno, PE, PMP our principal for this project who has an unmatched depth of experience with the Parish, the original Master Plans and all the necessary skillsets to direct this project successfully for the Parish.

### **7. Past Performance on Parish Contracts**

AECOM, to our knowledge, has never had a project with Jefferson Parish subject to time delays, cost overruns, and/or design inadequacies for which AECOM was held to be at fault, as evidenced by

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

documentation provided by the Administration. AECOM offers the client references who may attest to the value and service offered by AECOM over a wide range of engineering design and construction projects over more than 50 years of service to the communities. These are provided in Criteria 7 in the project section of AECOM's TEC Questionnaire, and the full project descriptions attached to this SOQ.

AECOM has completed numerous transportation-related projects and construction management projects for transportation concerns, as well as a variety of other projects throughout the New Orleans Metro area and within Louisiana, including many specifically done for Jefferson Parish. We have a proven track record for completing such projects on schedule, within budget, and with excellent technical quality. AECOM has provided exemplary service to Louisiana communities, (including Jefferson Parish), as well as to public clients throughout the United States. Jefferson Parish, LDOTD, and RPC Experience AECOM has extensive experience performing projects of or similar comparable size, scope, and scale for Jefferson Parish, LDOTD, and the RPC. With more than 50 years of experience in Jefferson Parish, AECOM has amassed a long list of projects successfully completed in Jefferson Parish, as identified below.

#### **Quality Assurance and Safety**



AECOM offers Jefferson Parish name a proven Quality Management System (QMS) that is certified to the internationally renowned ISO 9001:2015 standard, yet is sufficiently flexible to

address the specific requirements of this project. Quality management is central to our project management approach, and our project team includes individuals assigned to specific quality roles under our system. The general components of AECOM's approach to project quality management, and the parties responsible for them, are depicted below.

**Initiating Quality.** Quality begins with AECOM's understanding of your project goals and objectives, emphasizing communication with Jefferson Parish and a thorough review of project inputs. Assigning technically qualified and experienced personnel to produce and review the work is an important next step. Our initial planning and scheduling activities,

including defining the various project work tasks and associated quality activities, are foundational to a successful project.

Producing Quality. AECOM requires a project plan on all projects to define key parameters and guide the work of the team. The plan is discussed at the project team kickoff meeting and updated as needed to inform the team of new developments. As work proceeds, a number of critical technical activities are undertaken, including:

- Proper application of codes, standards and design criteria
- Ongoing oversight and supervision for accuracy and completeness as work proceeds
- Distribution of in-progress documents at defined intervals for quality review
- Coordination among disciplines
- Verification of compatibility and consistency among document types, such as drawings and specifications
- Resolution and closure of in-progress review comments

**Confirming Quality.** While it is important to build quality into the work as it is performed, formal checking and review are critical QMS activities. Quality checking activities, which are all documented with two-level approvals, include

- Checking calculations to verify correctness and completeness of mathematics, methodology, selection of software, application of standards and codes, and general approach.
- Checking drawings within each discipline to confirm design layout, dimensions and details. Potential interferences, conflicts and interface issues are resolved through interdisciplinary reviews.
- Checking specifications for content and application, as well as compliance with the prescribed format, and for consistency throughout the specifications.
- Checking studies/reports for content, logic, clarity and soundness of recommendations, as well as grammar, punctuation and format.

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**Delivering Quality.** All deliverables undergo a final verification check before they are submitted. A lead verifier evaluates the deliverable for completeness and consistency, adherence to quality requirements, and resolution of comments. The lead verifier then signs a Technical Quality Review Record and transmits it to our project manager, who is then responsible for the final overlook, approval and submittal. This final independent evaluation assesses the submittal's state of readiness, without diminishing the project manager's accountability for the quality of the work being released. As a check-and-balance activity, this review pairing helps AECOM consistently deliver quality and value to our clients.

**Improving Quality.** A key component of AECOM's quality program and ISO 9001 is continuous improvement. We learn from our experiences and apply those lessons to future work through a formal, iterative process. The true focus of this process is to generate client satisfaction, one of AECOM's core values.

### What does this mean to Jefferson Parish?

AECOM will bring a world-class Quality Management System (QMS) which sets forth the policies and procedures in maintaining quality while identifying areas of continual improvement. It means that AECOM consistently applies a set of quality and safety practices throughout the company, regardless of where work is performed or managed.

The AECOM team's QMS is a powerful yet very friendly union of the industry's best QA/QC planning, control, and documentation practices. Planning and controlling standards for quality are fundamental in not only the Construction Phase of a project but in the Planning and Design Phases as well. Quality is not naturally inherent in all projects; it is the result of good planning, a team effort, and an understanding by all the team members as to how quality is achieved.

### Accurate Cost Estimates

It is essential that Jefferson Parish have accurate cost estimates, early and throughout the project to prevent budget increases. Changes in a constrained budget are a sure way to significantly delay the implementation of an individual project or reduce its expected scope. Budget increases can also impact the overall program. AECOM pays close attention to costs from the outset and builds detailed and accurate cost estimates early in the work that are continually refined as the project proceeds.

We are proud of our track record in this area where overall budgets are identified at an early stage and the projects constructed within those budgets. This was especially true in the 1998 2009 Jefferson Parish Bond Program, where tight monitoring of the budget provided an additional \$6.5M in extra projects for the Parish.

AECOM and our local staff including Mr. Michael Paterno, PE, and Mr. Sreeni Bollu, PE have led many streets and transportation projects as well as a variety of programs for Jefferson Parish and have a proven track record of delivering on a wide range of projects and services for Jefferson Parish from our local Jefferson Parish and Louisiana offices to

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the great satisfaction of the Parish. Our Team looks forward to continuing this track record of delivering cost effective solutions on time and within budget to support the Parish's initiative. Our team brings significant advantages to the Parish in terms of:

### Additional Jefferson Parish Projects

AECOM has worked extensively in Jefferson Parish on many, transportation and roadway projects that have been delivered on time and on budget with exemplary results. To name a few:

- Mounes Road Drainage Improvements
- Canal Safety Program
- Avenue D Drainage Basin Improvements Phases I, II, III and IV
- Avenue B Drainage Basin Improvements
- Napoleon Avenue Drainage Improvements
- Clearview Parkway Drainage and Roadway Improvements
- 1998 Road Bond Program
- 2017 Road Bond Program West Bank

### Additional Successful Delivered Jefferson Parish Contracts

- Vintage Drive Roadway Improvements
- Elmwood Canal Bridge Crossing at Kawanee Avenue



*AECOM and our local staff have led many streets and transportation projects as well as a variety of programs for Jefferson Parish.*

## About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from advisory, planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy, and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical and digital expertise, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of \$14.4 billion in fiscal year 2023. See how we are delivering sustainable legacies for generations to come at [aecom.com](https://aecom.com) and [@AECOM](https://twitter.com/AECOM).