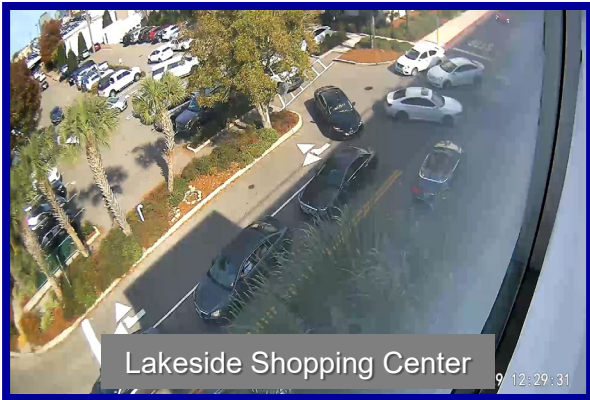


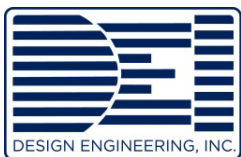


Qualification Statement
for
Professional Traffic Engineering Services
Resolution No. 143314

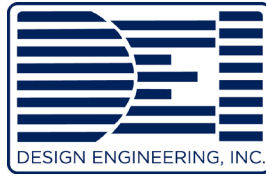


SUBMITTED BY:

January 25, 2024



Design Engineering, Inc.
3330 W. Esplanade Avenue, Suite 205
Metairie, LA 70002



January 25, 2024

Jefferson Parish Council
Sidney Duffy, Purchasing Department
General Government Building
200 Derbigny Street, Suite 6700
Gretna, Louisiana 70053

Re: Qualification Statement
To Provide Professional Traffic Engineering Services
For the Department of Public Works on an As-Needed Basis
For the Remainder of the Two (2) Year Period
Resolution No. 143314

Dear Ms. Duffy:

In response to your Public Notice requesting qualification statements from engineering firms interested in providing traffic engineering services for the Department of Public Works on an as-needed basis, Design Engineering, Inc. is pleased to submit the enclosed TEC Professional Services Questionnaire for your consideration.

The principals and technical staff members of Design Engineering, Inc. (DEI) have years of experience in roadway projects which include traffic engineering services for Jefferson as well as other local agencies (City of Kenner, City of Gretna, Orleans Parish, Orleans Levee District, etc.).

Design Engineering, Inc. is a local firm with its office in Jefferson Parish. As you will observe from the resumes, the staff members of the firm are experienced in local and state design procedures. Through many local traffic engineering projects, this firm has established an excellent working relationship with the Jefferson Parish Department of Public Works and all private utility companies in the area and will coordinate all work with these agencies.

Design Engineering, Inc.
3330 West Esplanade, Suite 205, Metairie, Louisiana 70002
(504) 836-2155 • Fax (504) 836-2159 • E-mail: deiengr@dei-engr.com

With respect to our current workload, our firm has the staff and capabilities presently available to complete this project in the most expeditious manner possible.

We look forward to being of service to Jefferson Parish and respectfully submit this qualification statement for your review and hope you will consider our firm for this work.

With best regards, I remain

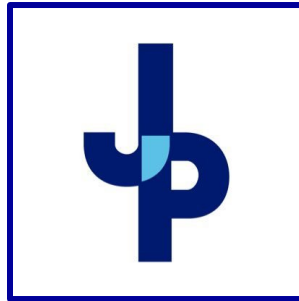
Sincerely,

Design Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'JMD', is placed over the printed name and title.

Jim Martin, Ph.D., P.E.
President

Staffing Plan



Professionals in Charge

James Martin, Ph.D., P.E.

Project Manager

John Holtgreve, P.E.

Traffic Engineering

Ben Bartlett, P.E., P.T.O.E. ●●●
Brett Liuzza, P.E. ●●●
Colin Gillen, E.I. ●●●
Brady Pechon, P.E. ●●●

Construction Manager

Jay Rafferty ●●●

Certified Inspectors

Jeffery Monfrey ●●●
Jeffery Puissegur ●●●
Wayne Lemoine ●●●
Gary Conerly ●●●

Non-Certified Inspectors

Justin Laborde

- ATSSA Work Zone Traffic Control Supervisor
- ATSSA Work Zone Traffic Control Technician
- ATSSA Work Zone Traffic Control Flagger

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Traffic Engineering Services for the Department of Public Works on an as-needed basis for a period of two (2) years- Resolution No. 143314

B. Firm Name & Address where Project work will be performed:



Design Engineering, Inc.
3330 W. Esplanade Avenue, Suite 205
Metairie, Louisiana, 70002

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:

Jim Martin, Ph.D., P.E., President
(504) 836-2155
jmartin@dei-engr.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.

Jim Martin, Ph.D., P.E., President
(504) 836-2155
jmartin@dei-engr.com

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

<u>4</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>2</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>4</u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u>10</u> Construction Inspectors	<u> </u> Landscape Architects	<u>2</u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>4</u> Engineer Interns	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u>27</u> TOTAL

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. N/A

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

YES ☐ NO ☐ N/A

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

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

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

*1 personnel not listed in Section E (drafters) will also work on the 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:

Jim Martin, Ph.D., P.E., President

Project Assignment:

Professional In Charge/Principal

Name of Firm with which associated:

Design Engineering, Inc.

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

Old Dominion University – Coastal Engineering Certificate, 2010
Tulane University – Doctor of Philosophy, 2003
Tulane University – Master of Science in Environmental Engineering, 2000
University of Alabama – Summa Cum Laude, Bachelor of Science, Civil Engineering, 1998

Active registration: Year first registered/discipline:

2004, Civil Engineering, Louisiana License #31281

Other experience and qualifications relevant to the proposed Project:

JEFFERSON PARISH SUBMERGED ROADWAY PROGRAM: In the aftermath of Hurricane Katrina, Jefferson Parish was awarded \$100M to repair damage to concrete and asphalt roadways throughout the Parish. Dr. Martin led the team that was responsible for the design and construction (including resident inspection) for all the roads within District 1, District 2, and all the concrete roads within District 5. This was a concrete panel and asphalt replacement project. While base materials and utilities were not a specific part of the scope, they were a small but necessary part of the project.

VETERANS BOULEVARD BOX CULVERT INSTALLATION EAST OF CAUSEWAY: In District 5, Jefferson Parish and the Greater New Orleans Expressway Commission sought to relieve congestion at Veterans and Causeway by installing an additional U-turn on Veterans Boulevard East of Causeway. Dr. Martin was the Project Engineer for this project, which required the design and construction of a new concrete box culvert prior to filling and paving for traffic. The U-turn has been successfully in use since 2008 (in front of Acme Oyster House).

SOUTHSHORE CAUSEWAY BRIDGE EXPANSION/REPLACEMENT: Dr. Martin was the Principal-in-Charge of this project. Following Hurricane Katrina, the USACE determined that installation of a new T-wall beneath the existing Southshore Causeway was necessary. To achieve this, the bridge was redesigned and expanded from 5th street out several hundred feet into the lake. In addition to the required bridge work, multiple utility relocations, traffic control configurations, and roadway section designs were required.

MACARTHUR DRIVE INTERCHANGE COMPLETION: Dr. Martin was principal in charge during the construction of an on- and off-ramp system for the Westbank Expressway and the relocation of Frontage Road. DEI performed geometric layout of roadways, right-of-way layout, drain line relocation up to 72" diameter, relocation of 10" sewer force main with 20" steel casing horizontally drilled underneath four (4) lane highway, water line relocation, project quantities estimation, and preparation of plans. This is the busiest corridor on the West Bank of Jefferson Parish and DEI coordinated design and construction in a manner to accommodate continued use of the corridor. **This project received the Overall Best Concrete Project Award and the Award of Excellence from ACI Louisiana in 2016.**

DUNCAN CANAL AT WEST ESPLANADE IMPROVEMENTS: Dr. Martin is the Hydraulic Engineer and Principal-in-Charge for this project, which includes conceptual, preliminary, and final plans to replace the Bridge at Duncan Canal over West Esplanade. In addition, the project requires permitting and hydraulic engineering. This project is one of the largest canals in Jefferson Parish, and the existing bridges are in poor condition and visibly worn. In this project, DEI will design two massive concrete box culverts (38 x 18 each) as well as two smaller box culverts to receive Canal #2. Following the bridge replacement, newly design asphalt roadway will be placed on the approaches as well as over the boxes.

WEST ESPLANADE AVENUE CANAL CROSSING: The canal was hydraulically modeled for the installation of two 96-inch Concrete Arch Pipes. DEI designed the drainage and project surface work design for the improvements to West Esplanade Boulevard which included installing a 573-foot by a 96-inch culvert, over 600 feet of roadway, an additional sidewalk, and a new signalized interchange. Dr. Martin was part of the team that provided hydraulic engineering, conceptual, preliminary, and final plans for the improvements to West Esplanade Boulevard.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Holtgreve, P.E. Executive Vice President
Project Assignment:
Chief Engineer
Name of Firm with which associated:
Design Engineering, Inc.
Years' experience with this Firm:
40
Education: Degree(s)/Year/Specialization:
MCE, 1975, Civil Engineering, Tulane University BS, 1970, Civil Engineering, Tulane University
Active registration: Year first registered/discipline:
1976, Civil Engineering, Louisiana License #16383
Other experience and qualifications relevant to the proposed Project:
<p>SUBSURFACE EXPLORATION MANHATTAN BLVD. WIDENING: Mr. Holtgreve oversaw the construction of an additional asphaltic concrete lane of traffic to Northbound Manhattan Blvd. (Gretna Blvd. to Westbank Expressway (US 90B)) and a right-turn-only lane on US90B Frontage Road eastbound to Southbound Manhattan Blvd.; right-of-way requirements; 2000 LF of water main, utility and drainage relocations. The project was constructed using the designed plans by DEI and DEI personnel provided construction contract administration and construction engineering and resident inspection services. The project construction continued for 7 days a week for approximately 244 days. DEI also provided services to assist the contractor in working weekends and nights as necessary to accommodate up to six (6) crews working 24-hour schedules. (Jefferson Parish, RCP, FHWA, LADOTD) and used AASHTO design standards.</p> <p>AIRLINE DRIVE DRAINAGE CROSSING (ST. PETER'S DITCH): Mr. Holtgreve oversaw the design and construction of 365 feet of major drainage improvements adjacent to and across Airline Drive. Included in the work was the design of large drainage junction boxes, micro-tunneling or hand tunneling large diameter drain lines across Airline Drive, reinforced concrete box culverts, and transition structures. DEI provided hydraulic analysis of the drainage system across Airline Drive.</p> <p>JEFFERSON PARISH SUBMERGED ROADWAYS PROGRAM: Mr. Holtgreve was responsible for overseeing the damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-five (85) concrete streets and eight (8) miles of asphalt roadway repair within Council District 3. Design Engineering's responsibilities included Site Evaluations, Preliminary Plans, Final Plans, Construction Administration, and Resident Inspection. During site evaluations, DEI noted settlement and surface condition and verified the degree and severity of damage described in FEMA Project Work Sheets. Considerations during the design phase was tree root impacts on the existing roadway, addition and/or repair of sidewalks, driveways and handicap ramps and adjustment of all drainage structures within the roadway limits.</p> <p>MACARTHUR DRIVE INTERCHANGE COMPLETION: Mr. Holtgreve served as Project Manager for the demolition of a portion of the existing service road and the relocation of the service road to accommodate the new ramps to be constructed under Phase 1B of this project. The work included the relocation of existing utilities, including water mains and appurtenances, gas lines, and both overhead and below ground power lines; the construction of storm drain pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, concrete curb and gutters, and concrete sidewalks. This project received the Overall Best Concrete Project Award and the Award of Excellence from ACI Louisiana in 2016.</p> <p>WESTWOOD DRIVE (WB EXPRESSWAY. TO LAPALCO) (CE&I): Mr. Holtgreve oversaw the design and construction of the construction of 0.648 miles of roadway which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb, and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, sign and legends, and symbols were also included. DEI is responsible for the construction, engineering, and inspection of this project which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time through Site Manager.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Ben Bartlett, P.E., PTOE Engineer
Project Assignment:
Head Traffic Engineer
Name of Firm with which associated:
Design Engineering, Inc.
Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
Auburn University – Master of Civil Engineering, 2010 The Citadel – Bachelor of Science, Civil and Environmental Engineering, 2008
Active registration: Year first registered/discipline:
2014, Civil Engineering, Louisiana License No. 38980
Other experience and qualifications relevant to the proposed Project:
<p>CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: Mr. Bartlett conducted a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic, including all existing bridge components north of the southern right-of-way line of Airline Drive. He performed a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure and submitted a comprehensive repair/rehabilitation report prioritizing recommended repairs and corrective measures. Based on the findings of the report, DEI was responsible for producing plans, specifications, and contract documents to repair/replace the overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, DEI was responsible for providing full-time resident inspection and testing services during construction.</p> <p>JEFFERSON PARISH SUBMERGED ROADWAY PROGRAM: Mr. Bartlett assisted with the repair of damage to concrete and asphalt roadways throughout the Parish. Mr. Bartlett was part of the team that was responsible for the design and construction (including resident inspection) for all the roads within District 1, District 2, and all the concrete roads within District 5. This was primarily a concrete panel replacement project, though there was a percentage of asphalt work as well. While base materials and utilities were not a specific part of the scope, they were a small but necessary part of the project.</p> <p>WEST ESPLANADE AVENUE CANAL CROSSING: The canal was hydraulically modeled for the installation of two 96-inch Concrete Arch Pipes. DEI designed the drainage and project surface work design for the improvements to West Esplanade Boulevard which included installing a 573-foot by a 96-inch culvert, over 600 feet of roadway, an additional sidewalk, and a new signalized interchange. Mr. Bartlett was part of the team that provided hydraulic engineering, conceptual, preliminary, and final plans for the improvements to West Esplanade Boulevard.</p> <p>W. ESPLANADE BRIDGES AT DUNCAN CANAL: Mr. Bartlett served as the Project Engineer responsible for the hydraulic calculations and modeling that has been reviewed and accepted by the Parish, the City of Kenner, and the DOTD for the installation of a massive 2 cell box culvert that intersects with a separate massive 2 cell box. Also, is responsible for all structural engineering on the project as well for these extremely large concrete structures (in excess of 13 feet tall and 80 feet wide).</p> <p>ST CHARLES PARISH ROAD MAINTENANCE PROGRAM: St. Charles Parish annually spends millions on new roadway construction and maintenance of infrastructure. For 5 years, Mr. Bartlett was the lead engineer for the initial assessment of all roadways, the creation of plans and specifications for bidding, and the oversight of construction activities as well as resident inspection services for these funds. Work included concrete panel replacement, driveway apron repair, asphaltic concrete patching, mill/overlay of asphalt roads, installation of handicap accessible ramps and sidewalks.</p> <p>MACARTHUR DRIVE INTERCHANGE COMPLETION: Mr. Bartlett assisted with the design of an on and off-ramp system for the Westbank Expressway and the relocation of Frontage Road. Responsibilities included geometric layout of roadway, right-of-way layout, drain line relocation up to 72" diameter, relocation of 10" sewer force main with 20" steel casing horizontally drilled underneath four (4) lane highway, water line relocation, project quantities estimation and preparation of plans.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Brett Liuzza, P.E. Engineer
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Design Engineering, Inc.
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
BS, 2008, Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline:
2012, Civil Engineering, License #37753
Other experience and qualifications relevant to the proposed Project:
<p>MACARTHUR DRIVE INTERCHANGE COMPLETION: Mr. Liuzza assisted with the design of an on- and off-ramp system for the Westbank Expressway and the relocation of Frontage Road. Responsibilities included planning geometric layout of roadways and rights-of-way; relocation of drain lines up to 72" diameter, 10" sewer force mains with 20" steel casing horizontally drilled underneath four (4) lane highway, and water lines; project quantities estimation; preparation of plans for water mains, appurtenances, gas lines, and overhead and below ground power lines; the construction of storm drain performance, pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters and concrete sidewalks.</p> <p>JEFFERSON PARISH SUBMERGED ROADWAY PROGRAM: Mr. Liuzza assisted with damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-five (85) concrete streets and eight (8) miles of asphalt roadway repair within Council District 3. Design Engineering's responsibilities included Site Evaluations, Preliminary Plans, Final Plans, Construction Administration and Resident Inspection. During site evaluations DEI noted settlement, and surface condition and verified the degree and severity of damage described in FEMA Project Work Sheets. Considerations during the design phase was tree root impacts on the existing roadway, addition and/or repair of sidewalks, driveways and handicap ramps and adjustment of all drainage structures within the roadway limits.</p> <p>AIRLINE DRIVE DRAINAGE CROSSING (ST. PETER'S DITCH): Mr. Liuzza assisted with preparing plans and technical specifications for contract bid and construction process. This project consisted of designing 365 feet of drainage improvements adjacent to and across Airline Drive. Included in the work was the design of large drainage junction boxes, micro-tunneling or hand tunneling large diameter drain line across Airline Drive, reinforced concrete box culverts and transition structures. DEI provided hydraulic analysis of the drainage system across Airline Drive. Mr. Liuzza's responsibilities on this project included responding to RFIs, performing periodic site visits, considering and negotiating change orders, performing substantial completion inspections, and quickly responding to limit the effect of often encountered unforeseen site conditions.</p> <p>WEST ESPLANADE AVENUE CANAL CROSSING: The canal was hydraulically modeled for the installation of two 96-inch Concrete Arch Pipes. DEI designed the drainage and project surface work design for the improvements to West Esplanade Boulevard which include installing a 573-foot by a 96-inch culvert, over 600 feet of roadway, an additional sidewalk, and a new signalized interchange. Mr. Liuzza was part of the team that provided hydraulic engineering, conceptual, preliminary, and final plans for the improvements to West Esplanade Boulevard.</p> <p>W. ESPLANADE BRIDGES AT DUNCAN CANAL: Responsible for the hydraulic calculations and modeling that has been reviewed and accepted by the Parish, the City of Kenner, and the DOTD for the installation of a massive 2-cell box culvert that intersects with a separate large 2-cell box. Also, is responsible for all structural engineering on the project as well for these extremely large concrete structures (in excess of 13 feet tall and 80 feet wide).</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Collin Gillen, EI Engineer Intern
Project Assignment:
Engineering Intern
Name of Firm with which associated:
Design Engineering, Inc.
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
BS, 2020 Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline:
2020, Civil Engineering Intern, Louisiana License #34496
Other experience and qualifications relevant to the proposed Project:
<p>LAKE PONTCHARTRAIN CAUSEWAY SOUTHBOUND BRIDGE RAIL IMPROVEMENTS: Mr. Gillen performed inspection oversight, quality assurance, and construction administration for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration includes organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety. Responsibilities included evaluation of construction operations/work for conformance with the Plans and Specifications; coordination of daily field notes and acceptance of work with up to ten inspectors; and assistance in the response to RFIs, submittals, and monthly project progress summaries.</p> <p>CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: Mr. Gillen assisted the project engineer with the oversight of the rehabilitation of bridge spans of this 1950s-era structure to meet AASHTO and LaDOTD standards. Responsibilities included conducting structural analysis of existing girders according to modern standards to determine adequacy in terms of safety and serviceability, designing cover plates for failing girders and their connections to strengthen spans at a lower cost than replacement, coordinating the removal and replacement of a corroded portion of the girder to reduce costs compared to replacing the entire girder and designing flange and web splice plates and their connections to safely transfer loads between the existing and new portions of the girder.</p> <p>CONCEPTUAL PLANNING STUDY CAUSEWAY BLVD. AT US 90/ JEFFERSON HIGHWAY: Design Engineering, Inc. was contracted by the Regional Planning Commission (RPC) to develop and analyze a range of feasible improvements, taking into account potential traffic loadings, the location of the new parking facility, existing constraints, i.e., nearby structures and limited rights-of-way, and the aesthetic goals of the corridor improvement program. DEI prepared a draft project schedule including major milestones, i.e., Project Management Committee (PMC) meetings, site visits, draft reviews, and final report submissions.</p> <p>GRAFTON DRIVE PAVEMENT REHABILITATION: Mr. Gillen is currently assisting the project engineer in the construction administration of the reconstruction of Grafton Drive from Cardinal Drive to E. Pinewood Drive, located in the City of Slidell. Responsibilities include construction management, document control, and meeting coordination. This project includes the removal of curbs, concrete pavement, grading, Class II base course, Portland cement concrete pavement, and related work. The scope of work also entails addressing issues related to traffic maintenance, joint sealing, and curb ramp improvements to enhance the overall safety and accessibility of Grafton Drive.</p> <p>WESTWOOD DRIVE (WESTBANK EXPRESSWAY - LAPALCO): Mr. Gillen performed inspection oversight, quality assurance, and construction administration for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter. This project included Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols were also included.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Brady Pechon, PE Civil Engineer
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Design Engineering, Inc.
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
BS, 2020, Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline:
2020, Civil Engineering Intern, Louisiana License No. 33496
Other experience and qualifications relevant to the proposed Project:
<p>AUDUBON BLVD RECONSTRUCTION, ORLEANS PARISH: As an Engineering Intern, Mr. Pechon is currently assisting the project engineer in the design of the reconstruction of Audubon Blvd in New Orleans. Responsibilities include cost estimating, design, and drafting. This project includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project also includes coordination with Batture Engineering for assisting in design.</p> <p>STATE STREET DRIVE RECONSTRUCTION, ORLEANS PARISH: As an Engineering Intern, Mr. Pechon is currently assisting the project engineer in the design of the reconstruction of State Street Drive in New Orleans. Responsibilities include cost estimating, design, and drafting. This project includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line and water main utility replacement. This project also includes coordination with Batture Engineering for assisting in design.</p> <p>MILNEBURG GROUP B RECONSTRUCTION, ORLEANS PARISH: Mr. Pechon assisted the project engineer in the construction administration of the reconstruction of the Milneburg Neighborhood in New Orleans. Responsibilities include construction management, document control, and meeting coordination. The roadway and utility improvements are located on various streets in the Milneburg Neighborhood Development. This project also includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line, and water main utility replacement. This project is also in coordination with Hard Rock Construction throughout the construction of the project.</p> <p>LAKE PONTCHARTRAIN CAUSEWAY SOUTHBOUND BRIDGE RAIL IMPROVEMENTS: Mr. Pechon performed inspection oversight, quality assurance, and construction administration for the installation of safety rails along the Southbound bridge. Responsibilities included evaluation of construction operations/work for conformance with the Plans and Specifications; coordination of daily field notes and acceptance of work with up to ten inspectors; and assistance in the response to RFIs, submittals, and monthly project progress summaries.</p> <p>WIDENING OF CAUSEWAY BLVD. (AIRLINE DRIVE TO WEST NAPOLEON AVE.): Mr. Pechon assisted the project engineer with design, performed drafting, and assembled plans and specifications. This project includes expanding a mile-long road from four lanes to six, replacing the drainage system, striping, and traffic signalization.</p>


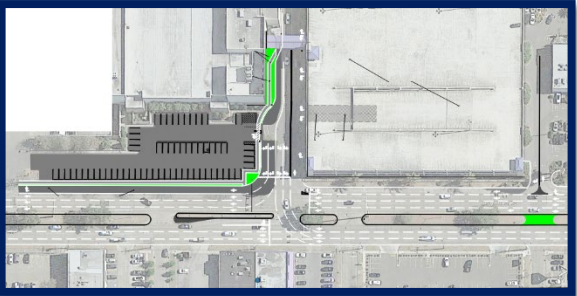
TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jay Rafferty Construction Manager
Project Assignment:
Construction Manager
Name of Firm with which associated:
Design Engineering, Inc.
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
BS, 1997, Industrial Technology, Southeastern University
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>LAKE PONTCHARTRAIN CAUSEWAY SOUTHBOUND BRIDGE RAIL IMPROVEMENTS: This project entailed replacing the safety railing on both sides of the southbound Causeway Bridge to eliminate accidents involving cars falling into Lake Pontchartrain. As lead inspector, Mr. Rafferty coordinated all other DEI inspectors assigned to this project, inspected work being done on the project, wrote daily reports, and submitted remediation lists to construction subcontractors.</p> <p>AMES BLVD. (WESTBANK EXPRESSWAY - HAPPY ST.): Mr. Rafferty provided resident inspection for 0.39 miles of roadway which included asphalt paving inspection, estimate generation, material sampling, submittal review, and project close-out of Ames Boulevard from the Westbank Expressway to Happy Street. Mr. Rafferty's responsibilities for this project were to ensure that the resident inspector prepared daily reports, inspected the progress of the work to ensure that the Contractor complied with the requirements of the plans and specifications, and attended all the progress meetings.</p> <p>WESTWOOD DRIVE (WESTBANK EXPRESSWAY - LAPALCO): Mr. Rafferty was responsible for preparing daily reports, inspecting the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attending all project meetings for the construction of 0.648 miles of roadway. This construction includes 20,516 square yards of Portland Cement Concrete Pavement with barrier curb, mountable curb, and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, legends, and symbols are also included. DEI is responsible for the construction, engineering, and inspection of this project, which includes maintaining all construction field records, making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time through Site Manager.</p> <p>CAUSEWAY BLVD. OVERPASS AT AIRLINE DRIVE: Mr. Rafferty provided resident inspection for the rehabilitation of Ramps 6, 7, and the overpass of Causeway Blvd Overpass at Airline Drive. The resident inspection included observation of construction activities for structure jacking, span movement, reinforced concrete riser construction, girder strengthening, bridge deck joint sealing, epoxy-urethane overlay, and bridge drainage rehabilitation. Mr. Rafferty's responsibilities for this project were to ensure that the resident inspectors were preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and attending all the progress meetings. He was also overseeing the resident inspector's writing of his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.</p> <p>LAKE PONTCHARTRAIN AND VICINITY 106 CITRUS LAKE FLOODWALL: Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for fifty (50) plus employees. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. His responsibilities included interviewing, training, drug screening, background checking, hiring, and termination of field personnel.</p> <p>ST. ANDREWS ST. WHARF EROSION MITIGATION PROJECT: Mr. Rafferty was responsible for preparing daily reports, inspecting the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attending all project meetings. This project encompassed the construction of an approximately 1600-foot-long and 50-foot-deep steel sheet pile wall with a reinforced concrete pile cap along the roadway side of the St. Andrew Street Wharf and associated roadway construction.</p>

TEC Professional Services Questionnaire

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



PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Severn Avenue Intersection Improvements at JCPenney Metairie, Louisiana</p> <p>Brian Lade The Feil Organization 3301 Veterans Blvd, Suite 209 Metairie, LA (504) 835-8000</p>	<p>Design Engineering, Inc. was contracted by the Feil Organization to collect traffic data at their busiest intersections of Lakeside Shopping Center along Severn Ave. DEI used cameras and traffic-counting software to provide the Owner with peak-hour and total vehicle counts over the span of multiple weeks. Upon reviewing the data, the Owner decided that a reconfiguration of the intersection at JCPenney and Severn Ave. was necessary to improve traffic flow. To alleviate traffic congestion on Lakeside Shopping Center property due vehicles not being able to exit freely, two additional lanes were added which exit onto Severn Ave. Since a project involving the reconfiguration of Severn Ave was already planned, an additional lane was added to Northbound Severn Ave. to reduce congestion of vehicles entering Severn Ave. from Lakeside as well as vehicles entering Lakeside property from Severn Ave. near Dillard's.</p> <p>DEI is responsible for providing all services required for preparation of preliminary design plans, final plans, specifications, and bid documents for the addition of two turning lanes exiting the Lakeside Shopping Center at JCPenney and the addition of a Northbound Lane of Severn Ave between the JCPenney and Dillard's parking garages. The project is being designed to incorporate drainage, roadway grading, and traffic flow with the ongoing Severn Ave. Improvements Project (from Veterans Blvd. to West Esplanade Ave.).</p>	
 	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$500,000.00	\$500,000.00



TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Westwood Drive (WB Expy. to Lapalco) Jefferson Parish</p> <p>Mark Drewes (504) 736-6505 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>Design Engineering, Inc. (DEI) is responsible for providing the construction contract administration and construction engineering inspection services for the construction of 0.648 miles of roadway, which includes 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter, Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols are also included. Construction Management performed by the office and site personnel includes:</p> <ul style="list-style-type: none"> Scheduling and attending the preconstruction meeting Maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time. These activities are managed through LaDOTD's SiteManager Program. Coordinating with Jefferson Parish Engineer/ Representative for all relocations/adjustments of utility facilities and existing drainage structures for the construction of work site. Inspecting the Contractor's construction operations (daily) to ensure that all work is performed in accordance with the specified plans and specifications. Preparing final estimate packages, including Form 2059 – "Summary of Test Results" in conformance with the DOTD's requirements. Preparing plan changes and change orders. Reviewing and processing Contractor's invoices and generating partial estimates and weather and workday reports in SiteManager. Working on the 175 project closeout and submit all documents required by LaDOTD Baton Rouge, Construction Audit. 	
<div style="text-align: center;">  </div> <div style="text-align: center;">  </div>		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$602,000.00	\$602,000.00


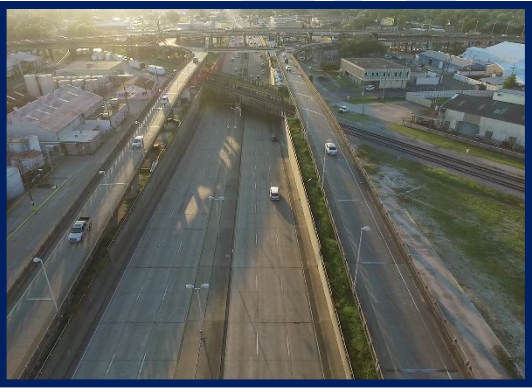
TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Airline Park Boulevard (Camphor to West Napoleon) Metairie, Louisiana</p> <p>Mark Drewes (504) 736-6505 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>Design Engineering, Inc. (DEI) is responsible for providing the construction contract administration and construction engineering inspection services for the construction of 0.390 miles of roadway, which includes grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, storm water pumping station, and related work on Airline Park Boulevard from north of its intersection with Camphor St. to its junction with W. Napoleon Ave. Pavement striping, signs, and legends and symbols are also included. Construction Management performed by the office and site personnel includes:</p> <ul style="list-style-type: none"> Scheduling and attending the preconstruction meeting Maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time. All these activities are managed through LaDOTD's SiteManager Program. Coordinating with the Jefferson Parish Engineer/ Representative for all relocations/adjustments of utility facilities and existing drainage structures for the construction of work site. Inspecting the Contractor's construction operations (daily) to ensure that all work is performed in accordance with the specified plans and specifications. Preparing final estimate packages, including Form 2059 – "Summary of Test Results" in conformance with the DOTD's requirements. Preparing plan changes and change orders. Reviewing and processing Contractor's invoices and generating partial estimates and weather and workday reports in SiteManager. Working on the 175 project closeout and submitting all documents required by LaDOTD Baton Rouge, Construction Audit. 	
<div style="display: flex; flex-direction: column; align-items: center;">   </div>		
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$348,000.00	\$348,000.00




TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Expansion of I-10 On Ramp at 22nd Street and Causeway Blvd. Jefferson Parish, Louisiana</p> <p>Mark Drewes (504) 736-6505 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>This project will bring a dedicated access ramp for Southbound Causeway Traffic to access I-10 (east and west bound) at 17th street while maintaining two dedicated lanes for the N. Causeway Blvd. overpass of I-10 and one dedicated lane for N. Causeway Blvd. adjacent to the Lakeside Shopping Center. This will eliminate a dangerous merge lane that has been present since the completion of the I-10 Causeway Interchange Phase 2 project. DEI performed all the preliminary traffic analysis and geometric bridge/roadway expansion research as well as gathered police reports to demonstrate the project need and viability. DEI held meetings with the GNOEC, the RPC, the DOTD, and Jefferson Parish Traffic and Engineering to discuss the proposed improvements and gather input from local stakeholders.</p> <p>After a collaborative solution was developed by DEI, Jefferson Parish selected us to develop a design to improve this critical corridor. Plans have been completed and we anticipate that construction will commence in 2022 following the completion of other major roadway projects in the surrounding area (e.g. Severn Ave. Improvements: Veterans Blvd. to W. Esplanade).</p> <p>The installation of several hundred feet of new bridge, several hundred feet of new asphalt roadway, and restriping of this entire area to realign traffic will significantly improve the traffic flow/throughput as well as the safety of this heavily trafficked and critical corridor.</p>	
 		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$3,500,000.00	\$3,500,000.00



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Causeway Boulevard Overpass of Airline Drive Jefferson Parish, Louisiana</p> <p>Mark Drewes (504) 736-6505 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>This project required DEI to conduct a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive (all existing bridge components north of the southern right-of-way line of Airline Drive), perform a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure, and submit a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI was responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system.</p> <p>The multi-level rotary interchange (and associated bridges) at Causeway Blvd and Airline Highway was constructed by the GNOEC in 1957. Most of the structure is now owned by Jefferson Parish (though some is still managed by the DOTD). Since the structure was completed, very little maintenance has been performed. This project consists of eight (8) ramps.</p> <p>DEI has conducted a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive (all existing bridge components north of the southern right-of-way line of Airline Drive), performed a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure, and provided a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures.</p> <p>DEI is now designing innovative solutions to improve this structure so that it might serve the people of Jefferson Parish for many more decades to come. Additionally, it is DEI's responsibility to provide full time resident inspection and testing services during construction.</p>	
<div style="display: flex; flex-direction: column; align-items: center;">   </div>		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$16,500,000	\$16,500,000

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Submerged Roadways Program – Council District 3 Jefferson Parish, Louisiana</p> <p>Juan Gutierrez (504) 736-6512 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>This project included damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-five (85) concrete streets and eight (8) miles of asphalt roadway within Council District 3. Design Engineering's responsibilities included Site Evaluations, Preliminary Plans, Final Plans, Construction Administration, and Resident Inspection.</p> <p>During site evaluations DEI noted settlement and surface condition and verified the degree and severity of damage described in FEMA Project Work Sheets. Considerations during the design phase were tree root impacts on the existing roadway, addition and/or repair of sidewalks, driveways and handicap ramps, and adjustment of all drainage structures within the roadway limits.</p> <p>During the construction phase, DEI was contracted by the Owner to perform construction administration on the project. DEI assigned a Resident Project Representative (RPR) at the project site to observe that the contractor complied with the Temporary Traffic Control Plan and that the demolition and replacement of panels conformed to the requirements of the contract plans and specifications. The RPR prepared daily reports, reviewed periodical estimates, attended project meetings and witnessed all testing services performed at the project site.</p>	
<div style="text-align: center;">    </div>		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	\$3,285,000.00	\$3,285,000.00



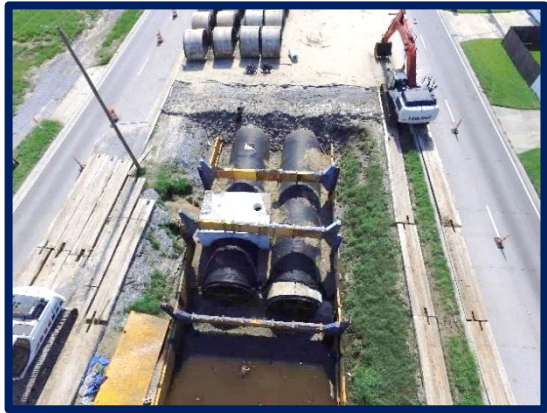
TEC Professional Services Questionnaire

PROJECT NO. 7								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p>Northbound Manhattan Boulevard Continuous Right Turn Lane Jefferson Parish, Louisiana</p> <p>Juan Gutierrez (504) 736-6512 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>DEI was responsible for the Feasibility Study, Preliminary/Final Plans, Construction Administration, and Resident Inspection for this project, which included the addition of an asphaltic concrete northbound lane for Manhattan Boulevard (Gretna Boulevard to West Bank Expressway) with a concrete combination curb and gutter, subsurface drainage, replacement of existing gravity sewer line, relocation of existing 2000 LF of water line and sewer force main, and removal and replacement of exiting concrete walks and drives under heavy traffic conditions. In addition, the project required the acquisition of multiple properties and the paving of a portion of Gretna Blvd. and multiple driveways.</p> <p><u>Project Objectives:</u></p> <ul style="list-style-type: none"> To design and construct an additional asphaltic concrete lane To reduce traffic congestion along the Manhattan Boulevard – US Hwy 90 Business Frontage Road south side intersection between Gretna Blvd. and the West Bank Expressway. <p>The project also required acquisition of property, traffic management, and an expedited seven (7) day and night work schedule, in addition to design and construction engineering and inspection services. This project was approximately 5,500 LF on Manhattan Boulevard.</p> <p>The design phase included the design of an additional lane of vehicular traffic to the Northbound Manhattan Boulevard from Gretna Boulevard to US Highway 90 Business (South Side). This lane was added to the property side of the existing roadway (approximately 5,500 LF). The added lane begins at Gretna Boulevard and ends as a right turn lane at US Hwy 90 B Eastbound (West Bank Expressway) in order to reduce traffic congestion on Northbound Manhattan Boulevard.</p> <p>Construction included the replacement and/or relocation of underground utilities, drainage, and subsurface drainage under the additional lane, while having the existing two (2) traffic lanes open at all times (except at night, when a lane could be closed). The construction continued for 7 days a week for approximately 244 days and included a section of 12" sub-base, 12" base course and 12" asphaltic concrete. DEI coordinated with the contractor to make sure that the businesses and vehicular traffic had the least interruption possible.</p> <p>Manhattan is a heavy traffic main corridor for the West Bank of Jefferson Parish. DEI worked closely with local and state authorities, as well as business owners, to ensure the least disruption possible for the traveling public and business. DEI provided services to assist the contractor in working weekends, nights, and as necessary to accommodate up to six (6) crews working 24-hour schedules.</p> <p>The project was completed 32 days ahead of the substantial completion date and on budget.</p>							
 	<p><u>Estimated Cost:</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #d9e1f2;"> <th style="width: 35%; padding: 5px;">Completion Date (Actual or estimated):</th> <th style="width: 30%; padding: 5px;">Entire Project:</th> <th style="width: 35%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 5px;">2012</td> <td style="text-align: center; padding: 5px;">\$3,800,000.00</td> <td style="text-align: center; padding: 5px;">\$3,800,000.00</td> </tr> </table>		Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:	2012	\$3,800,000.00	\$3,800,000.00
	Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:					
	2012	\$3,800,000.00	\$3,800,000.00					



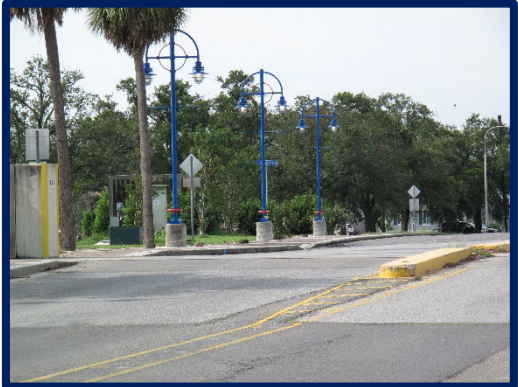
TEC Professional Services Questionnaire

PROJECT NO. 8								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p>MacArthur Drive Interchange Completion – Phase 1A (At-Grade Roadway) Jefferson Parish, Louisiana</p> <p>Mark Drewes (504) 736-6505 1221 Elmwood Park, Suite 802 Jefferson, LA 70123</p>	<p>This project included the demolition of a portion of the existing service road and the relocation of the service road to accommodate the new bridges constructed under Phase 1B of this project. The bridges were constructed using Type II girders and trapezoidal box girders supported on single pier bents with pile footings to match the aesthetics of the existing Westbank Expressway Bridge. The work included the relocation of existing utilities, including water mains and appurtenances, gas lines, as well as overhead and below ground power lines; the construction of storm drain pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, concrete curb and gutters, concrete driveways, and concrete sidewalks.</p> <p>DEI provided the following services:</p> <ul style="list-style-type: none"> ✓ All geometric design incorporating the required safety features ✓ At Grade Roadway design ✓ Column clearance designs ✓ Utility relocations ✓ Foundation Clearance design ✓ Attention to the coordination of very large columns within the roadway right-of-way. ✓ Drainage design ✓ Right-of-way plans ✓ Temporary retaining structure for pile supported columns. ✓ Coordination of modifications to Phase 1A roadway during construction of Phase 1B bridge ✓ Management of roadway & bridge design team during construction. ✓ Major public presentations and meetings with affected stakeholders. <p>The project was rated as very complex by the LaDOTD. Phase 1A bid at \$4,400,000, and phase 1B bid at \$35,000,000.00 DEI was awarded the ACI Louisiana Award for Overall Best Concrete Project of 2016 and Award of Excellence in 2016 for their work on the MacArthur Drive Interchange Completion Project-Phase 1B (located in Jefferson Parish).</p>							
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: #d9e1f2; text-align: center;">Estimated Cost:</th> </tr> <tr> <th style="background-color: #d9e1f2; text-align: center;">Entire Project:</th> <th style="background-color: #d9e1f2; text-align: center;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">\$39,400,000.00</td> </tr> </tbody> </table>		Estimated Cost:		Entire Project:	Work for which Firm was Responsible:	2016	\$39,400,000.00
	Estimated Cost:							
Entire Project:	Work for which Firm was Responsible:							
2016	\$39,400,000.00							
Completion Date (Actual or estimated):	Estimated Cost:							
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:						
2016	\$39,400,000.00	\$1,999,000.00						

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>West Esplanade Avenue Crossing (Between Williams Blvd. and Power Blvd.)</p> <p>Mitch Theriot Jefferson Parish Engineering 1221 Elmwood Park Blvd. Jefferson, Louisiana (504) 736-6512</p>	<p>DEI was contracted by Jefferson Parish to provide feasibility/ conceptualization, hydraulic modeling, preliminary and final plans, construction administration and resident inspection services for the improvements to the West Esplanade Avenue Crossing (Between Williams Blvd. and Power Blvd.)</p> <p>This project included the installation of 500 feet of twin 96" diameter reinforced concrete arch pipes with headwalls to accommodate crossing of West Esplanade Avenue Median Canal and the installation of reinforced concrete u-shaped transitions structures from 96" diameter reinforced concrete arch pipe headwall to earthen canal.</p> <p>The project also required large confluence boxes as well as on site adjustment to drainage laterals in order to avoid penetration of the recycled pipe that was used in the project in order to save costs and use a resiliency design technique.</p> <p>The West Esplanade Avenue Median Canal Crossing also consisted of the following:</p> <ul style="list-style-type: none"> 50 ft. taper to 100 ft. storage lane to east-to-west U-turn 4-lane crossing with traffic signal system 50 ft. taper to 200 ft. storage lane to west-to-east U-turn 	
 		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	\$3,000,000.00	\$3,000,000.00

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lakeshore Drive Improvements–Reach 1 New Orleans, Louisiana</p> <p>Gerry Gillen New Orleans Levee District 6920 Franklin Avenue New Orleans, LA 70122 (504) 286-3100</p>	<p>Reach 1A was planned and designed by Design Engineering, Inc. (DEI). This project involved Lakeshore Drive from the intersection at Lake Marina Dr. to approximately 1000' west of Landry's Seafood House (the beginning of Reach 1B). The project, located in very limited right-of-way, required a special design effort to place utilities in the center of the roadway and drainage along the right-of-way. Phase 1A was continually flooded from wave overtopping of the seawall on Lakeshore Drive and a stop log structure was put in place to prevent this. DEI raised the roadway and altered the curve located at Landry's, superelevating it to allow removal of the stop log structure.</p> <p>Special street lights were designed for this project, and they serve as the precursor to the seawall lighting implemented on other reaches of Lakeshore Drive. Bricked Pavers were used to widen the prestrained sidewalks alongside the newly widened four lane roadway. Tree wells were placed along the sidewalk for enhanced landscaping. A new parking lot was constructed, and a new parking bay was constructed adjacent to the levees which required seepage and levee structural analysis and determination.</p>	
 		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$6,285,000.00	\$6,285,000.00

TEC Professional Services Questionnaire

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

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

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



Design Engineering, Inc. (DEI) has operated as a professional engineering business in for over 39 years. During these 39 years, DEI has focused much of its efforts in designing and constructing numerous large and complex Parish Street/Transportation projects. DEI is well-versed in the challenges and complications of this specific project and has the technical expertise to produce successfully for Jefferson Parish as we have done many times in the last 3 decades.

MINIMUM REQUIREMENTS FOR SELECTION

- 1. One *principal* who is a professional civil engineer who shall be registered as such in Louisiana. (Section C. of TEC Professional Services Questionnaire)**

Design Engineering, Inc. has several staff members that meet this requirement, and their resumes are shown herein. For the sake of brevity, **Jim Martin, Ph.D., P.E.** is the only staff member listed in this section. Dr. Martin is President of Design Engineering, Inc. and has over 20 years of experience in design and construction of Civil Engineering projects throughout the state. During those 20 years, he has worked on multiple complex roadway projects, including several in Jefferson Parish (Causeway Blvd. Interchange, Causeway Bridge Exit Modifications, Causeway Northshore Merge Lanes, etc.). For 10 years, Dr. Martin served the Causeway Commission as one of its primary engineers. In that role, he reviewed traffic plans often daily from various contractors performing work on the bridge, on its extended approach facilities. In that capacity, maintenance of traffic was of the utmost importance. He is a Registered Professional Engineer in the State of Louisiana.

TEC Professional Services Questionnaire

- 2. A professional in charge of the project who is a professional civil engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved. (Section K. "PROFESSIONAL IN CHARGE OF PROJECT:" of TEC Professional Services Questionnaire)**

Design Engineering, Inc. has several staff members that meet this requirement, and their resumes are shown herein. For example, **Jim Martin, Ph.D., P.E.** is President of Design Engineering, Inc. and has over 20 years of experience in design and construction of Civil Engineering projects throughout the state. During those 16 years, he has worked on multiple complex roadway projects, including several in Jefferson Parish (Causeway Blvd. Interchange, Causeway Bridge Exit Modifications, Causeway Northshore Merge Lanes, etc.). For 10 years Dr. Martin served the Causeway Commission as one of its primary engineers. In that role, he reviewed traffic plans often on a daily basis from various contractors performing work on the bridge and on its extended approach facilities. In that capacity, maintenance of traffic was of the utmost importance. He is a Registered Professional Engineer in the State of Louisiana.

Also included is **John Holtgreve, P.E.** Mr. Holtgreve has over 50 years of design and management experience with Civil Engineering projects and is a Registered Professional Engineer in the State of Louisiana, with vast experience in roadway design, highway design, drainage improvements, water and sewer systems, flood control projects, underground utilities, and bridge design projects. Many of these projects (as shown elsewhere herein) involved the busiest Jefferson Parish Corridors and required direct supervision of various traffic plans.

- 3. One employee who is a professional civil engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.) (Section D. of TEC Professional Services Questionnaire)**

Design Engineering, Inc. has several personnel that meet this requirement, and their resumes are shown herein. For the sake of brevity, only **Mr. Ben Bartlett, P.E., PTOE** is included in this section. Mr. Bartlett has over 14 years of design and management experience with Civil Engineering projects and is a Registered Professional Engineer in the State of Louisiana. During those 14 years, he has worked on multiple complex roadway projects. **Mr. Bartlett also holds a PTOE Credential and will serve to provide the key traffic engineering services as required for this project.**

EVALUATION CRITERIA

1. PROFESSIONAL TRAINING AND EXPERIENCE:

Design Engineering, Inc. (DEI) has extensive local project experience and specialized engineering and design experience for Jefferson Parish roadway projects. DEI presently has on staff the technical, supervisory and administrative personnel to provide professional engineering services related to roadway project and can assure the expeditious handling of the work. **Every staff member included in this proposal maintains active ATSSA Traffic Control Supervisor, Technician, and Flagger Credentials.**

For many years, the DEI staff has executed design and construction administration of key projects throughout Jefferson Parish with complete success. DEI has exceptional technical capabilities proven in design of projects related to street, roadway, sewer, water, and drainage. The personnel of DEI are prepared to address the challenging issues of cost and time that face the Jefferson Parish Department of Public Works.

Because of their extensive background with public agencies, federal agencies, and FEMA, DEI has developed a solutions-oriented management approach that can be applied to the most complex issues. DEI is a low-risk provider to Jefferson Parish and presents an opportunity for the Parish to achieve its goal associated with this traffic engineering services in a timely manner and within budget.



TEC Professional Services Questionnaire

Listed herein are some significant projects for which DEI has provided important design services. DEI's engineering and management staff have designed and constructed all the projects presented. Some of the personnel below are listed who have been significantly involved in the process especially with Jefferson Parish throughout the years and decades:

Jim Martin, Ph.D., P.E., is President of Design Engineering, Inc. and has over 20 years of experience in Design and Construction of Civil Engineering projects throughout the State of Louisiana involving, street, roadway, sewer drainage, water, major bridge, highway and flood protection projects. (Please note the project in his resume contained herein). Dr. Martin holds an undergraduate degree in Civil Engineering from the University of Alabama, a master's degree from Tulane University in Environmental Engineering, and a Doctorate from Tulane (primarily based on open channel hydrodynamics). Dr. Martin is a registered Professional Engineer in Louisiana, Mississippi, Alabama, and Georgia and is Past President of the New Orleans Chapter of American Consulting Engineers Council/Louisiana and Past President of the New Orleans Chapter of ASCE. He has worked in the busiest corridors of Jefferson Parish (Causeway at I10 Interchange, Clearview at Airline, Causeway at West Esplanade, etc.). Each of these projects posed significant traffic concerns during design and construction.



John W. Holtgreve, P.E. is Executive Vice President of Design Engineering, Inc. and will serve as *Project Principal in Charge* of Quality Assurance/Quality Control for DEI and as a *Civil Engineer* for this project. He will also be responsible for the Internal Technical Review for this project. Mr. Holtgreve has over 50 years of professional consulting engineering experience and has worked as Project Manager and Principal-in-Charge for numerous civil and structural engineering projects, including roadway design, highway design, drainage improvements, water and sewer systems, flood control projects, underground utilities and bridge design projects. (Please note the projects in his resume contained herein). Mr. Holtgreve holds a BS and an MS in Civil Engineering from Tulane University and is a Registered Professional Engineer in the State of Louisiana. Mr. Holtgreve's past professional experience includes the American Society of Civil Engineering (Past State Board Member), American Consulting Engineers Council/Louisiana (Past President and Board Member), and American Consulting Engineers Council (National Director), Society of American Military Engineers, American Concrete Institute, and American Public Works Association. Mr. Holtgreve is prepared to execute the task of ensuring the project is competently designed, constructed and completed on time.

Ben Bartlett, P.E., PTOE, will serve as a *Traffic Engineer* for this project. Mr. Bartlett has over 14 years of experience with the Design and Construction of Civil and Environmental Engineering projects throughout Southeast Louisiana. He has a wide range of experience with infrastructure projects, including street roadway, drainage, sewer, and water system improvements. Additionally, Mr. Bartlett has been responsible for superstructure, substructure, and foundation design for various types of bridges and foundation systems as well as cost estimations and man-hour requirements. Mr. Bartlett holds a BS in Civil and Environmental Engineering from The Citadel and a Master's in Civil Engineering from Auburn University and is a registered Professional Engineer in the state of Louisiana.



Brett Liuzza, P.E., has over 15 years of experience on a variety of infrastructure improvement projects including roadway, drainage, sewer, and water system improvements. He brings to this project his roadway project experience in the design of preliminary and final plans, intersection design, sewer design, drainage design and LaDOTD design standards and is thoroughly familiar with LaDOTD and AASHTO design standards. On a daily basis, he is involved with the design and construction of asphalt and concrete roadways across Greater New Orleans (including Jefferson Parish, City of New Orleans, City of Covington, and several others). Mr. Liuzza holds a BS in Civil

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Engineering from Louisiana State University and is a registered professional engineer in the state of Louisiana.

2. SIZE OF FIRM

DEI utilizes its most senior professionals and executives as actual engineers, rather than exclusively as executives or "rainmakers." Engineers with 40 years' experience do not generally perform the engineering work in a hands-on fashion at other firms. All DEI's engineers in this submittal will participate in the details of the engineering required for this project. Conversely, smaller firms simply do not have the depth and breadth of experience, nor the technical resources, that DEI has. Simply put, **DEI combines the experience and technical resources of a large firm with the attention to detail and customer service of a small firm.** DEI presently has on staff sufficient technical, supervisory, and administrative personnel to provide the required services and can assure the successful completion of this project.



3. CAPACITY FOR TIMELY COMPLETION OF THE WORK:

DEI has recently completed several transportation design projects. Therefore, a large engineering team is available to jump on this project. This project can be easily absorbed by the firm, since DEI has substantial reserve production capacity to meet any reasonable project scheduling.

4. PAST PERFORMANCE ON PUBLIC CONTRACTS:

Design Engineering, Inc. has successfully designed and performed construction administration for various types of roadways, drainage, flood control, and sewer projects for Jefferson Parish.

Recently, DEI received an Award of Merit for the design of the Jefferson Parish and City of Kenner Joint Project West Esplanade Crossing near Williams. This project required closure of a Canal using recycled large diameter pipe in order to place a multi-directional signalized intersection above it. It required coordination with the Parish and Kenner Legal Staff, the Parish Drainage Department, the City Department of Public Works, the Parish Traffic Engineering, and Private Utility Holders.

The Wilker-Neal at Airline Drive construction project was completed on time and without a single change order. The Veterans Boulevard Widening, Roosevelt to Williams project was completed on time as well as in a difficult traffic situation and with no complaints from adjacent property owners during or after construction.

The Manhattan Blvd. Widening was successfully completed amid some of the highest levels of traffic anywhere in the Parish. **The project was complete 32 days ahead of the substantial completion date scheduled and on budget.**



Design Engineering, Inc. has designed and administered construction for multiple award-winning projects, including some in Jefferson Parish. DEI received a Certificate of Exceptional Performance from the USACE for work that included, among others, pump station design. The Lakefront Airport Bridge (East Approach) has won several awards, including Best Project of the Year in the State of Louisiana by the ACI Louisiana Chapter. The project also received awards from the Precast/Prestressed Concrete Institute, including Best Project of the Year in Louisiana and second overall for the Southern Region.

DEI was awarded the ACI Louisiana Award for Best Project of 2012 and 2016, Best Public Works Project of 2012, and the Award for Sustainability for its work on the Planters Pumping Station Frontal Protection Project (located in Jefferson Parish). DEI also won the ACI Louisiana Award of Excellence and Best Public Improvement Project for its work on the Lakefront Seawall Area Erosion Control Project in 2014. Most recently, DEI was awarded the

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ACI Louisiana Award for Overall Best Concrete Project of 2016, and Award of Excellence in 2016 for its work on the MacArthur Drive Interchange Completion Project-Phase 1B (located in Jefferson Parish).

- DEI has completed each task assigned in a timely manner.
- DEI has remained within budget.
- DEI has been singled out on numerous occasions for local and regional awards.

5. LOCATION OF OFFICE:

Design Engineering, Inc. maintains its office in Jefferson Parish at 3330 West Esplanade Avenue, Suite 205, Metairie, Louisiana and has done so for 36 years.

DEI "knows this territory."

- DEI is headquartered in Jefferson Parish.
- DEI has worked with all facets of federal, state and local governments as well as local communities and private industry in excess of 48 years as individuals and in excess of over 40 years as a firm.
- DEI offers outstanding geographic proximity to serve Jefferson Parish under this assignment.
- All proposed project personnel work in Jefferson Parish (and most of them live here as well).
- DEI can and will provide responsive services to Jefferson Parish as demanded for this project.



6. ADVERSARIAL LEGAL PROCEEDINGS:

Design Engineering, Inc. is not now, nor has it ever been, involved in any adversarial legal proceedings between the Parish and any related parties.

7. PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE AND NATURE OF THE ENGINEERING SERVICES:

Design Engineering, Inc. has completed several successful projects throughout the Greater New Orleans Area (particularly roadways and associated drainage in Jefferson Parish).

- Northbound Manhattan Boulevard Continuous Right Turn Lane - **Jefferson Parish**
- Jefferson Parish Submerged Roadways Program - **Jefferson Parish**
- MacArthur Boulevard Interchange Completion – Phase 1A (At-Grade Roadway) – Feasibility Study, Preliminary Design, and Final Design - **Jefferson Parish**
- West Esplanade Avenue Crossing – East of Williams Blvd. - **Jefferson Parish**
- Causeway Boulevard Overpass of Airline Drive - **Jefferson Parish**
- Expansion of I-10 Ramp at 22nd Street and Causeway Blvd. - **Jefferson Parish**
- Airline Drive Drainage Crossing (St. Peters Ditch) - **Jefferson Parish**
- US 90/Jefferson Highway at LA 3046/Causeway Boulevard - Conceptual Planning Study - **Jefferson Parish**
- Wilker-Neal at Airline Drive (Right Turn-Lane) - **Jefferson Parish**
- Veterans Boulevard Widening, Roosevelt to Williams – addition of one lane in each direction and left-turn and U-turn lanes - Kenner, Louisiana
- Audubon Boulevard - New Orleans, Louisiana
- Robert E. Lee Blvd. (Wickfield Dr. to Elysian Fields Ave.) - New Orleans, Louisiana
- Robert E. Lee Blvd. (Pratt Dr. to Paris Ave.) - New Orleans, Louisiana
- Fleur de Lis Drive Reconstruction (Veterans Memorial Blvd. to North of 30th Street) Phase II - New Orleans, LA
- Lakeshore Drive Improvements – 5.2 miles of scenic 4-lane roadway - New Orleans, Louisiana

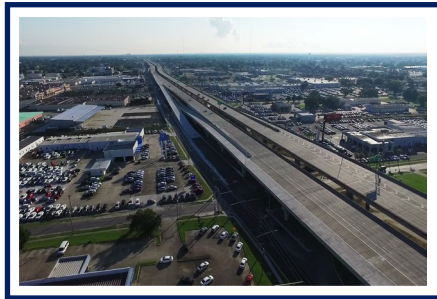
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PAST AND CURRENT PROFESSIONAL ACCOMPLISHMENTS:

Design Engineering, Inc. has over 39 years of experience providing engineering design and analysis and construction management of roadway and drainage projects. DEI has served as project coordinator on many complex projects including a major hurricane and flood protection project that involved more than 80 projects totaling over \$400 million. DEI maintains the highest quality projects in its portfolio of any firm in the region. Over the years DEI has received many awards and accolades for the professional services it has provided. Below is a list of some of these awards, several of which are for work that was performed in Jefferson Parish. Nearly every member of our technical staff holds advanced engineering degrees in addition to the required Bachelor of Science (including multiple Ph.D.'s)



Considering current workload, DEI has the manpower and equipment to execute the volume of work anticipated in this solicitation. DEI has the right people and required resources, when and where they are needed, to meet the needs of this project. DEI has established management procedures for coordinating and executing work among in-house staff and subcontractors to ensure the work is performed on schedule and without budgeting overruns.



BEST OVERALL CONCRETE PROJECT & AWARD OF EXCELLENCE
MacArthur Interchange Completion Project – Phase 1B



OVERALL BEST PROJECT, AWARD OF CONCRETE SUSTAINABILITY & AWARD OF EXCELLENCE
Planter's Pump Station Frontal Protection



AWARD OF EXCELLENCE & AWARD FOR BEST PROJECT
East and West Approach to Stars and Stripes Blvd.

REFERENCES

- | | | |
|--|---|---|
| (1) Anthony Evett
Chief of Infrastructure
Port of New Orleans
New Orleans, LA
(504) 528-3309 | (2) Nelson Capote
West Bank Area Engineer
LaDOTD – District 02
Jefferson, LA
(504) 736-6400 | (3) Carlton Dufrechou
General Manager
GNOEC
Metairie, LA
(504) 835-3118 |
|--|---|---|

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AWARDS

- **Overall Best Concrete** Project in Louisiana from ACI Louisiana Chapter for Causeway Blvd. Overpass at Airline Dr. (2023)
- Award of **Excellence** from ACI Louisiana Chapter for Causeway Blvd. Overpass at Airline Dr. (2023)
- Award of **Excellence** in Historic Preservation from The La Landmarks Society for 315 Girod/Ironworks Building Project (2023)
- Award of **Excellence** from the ACI, Louisiana Chapter for Seawall Erosion Control Paving (2022)
- Award for the **Best Place to Work** from the City Business (2022)
- Award of **Merit** from the ACI, Louisiana Chapter for St. Andrew Street Wharf Erosion Mitigation (2022)
- Award for the **Top Engineering Firm** from the City Business (2021)
- Award for the **Top Engineering Firm** from the City Business (2020)
- Award of **Excellence** in Construction and Real Estate from City Business (2019)
- Award of **Excellence** in Historic Preservation from The La Landmarks Society for 419 Carondelet Project (2019)
- Award of **Excellence** in Historic Preservation from The La Landmarks Society for 822 Howard Project (2017)
- **Overall Best Concrete** Project in Louisiana from ACI Louisiana Chapter for MacArthur Interchange Completion Project –Phase 1B (2016)
- Award of **Excellence** from ACI Louisiana Chapter for MacArthur Interchange Completion Project – Phase 1B (2016)
- Award of **Excellence** from the ACI, Louisiana Chapter for the **OLD** Seawall Erosion Control Paving Project – Reach 1B (2014)
- **Most Improvement to the Public Award** from the ACI, Louisiana Chapter for the **OLD** Seawall Erosion Control Paving Project – Reach 1B (2014)
- **Overall Best Project** in Louisiana from the ACI, Louisiana Chapter for Planter's Pump Station Frontal Protection (2012)
- Award for **Concrete Sustainability** from the ACI, Louisiana Chapter for Planter's Pump Station Frontal Protection (2012)
- Award of **Excellence** from the ACI, Louisiana Chapter for Planter's Pump Station Frontal Protection (2012)
- **USACE – New Orleans District Certificate of Appreciation**, for Exceptional Achievement in support of the Mississippi Valley Division's New Orleans District and the Execution of the Hurricane and Storm Damage Risk Reduction System (2012)
- **Exceptional Project Rate**, for LPV 106, US Army Corps of Engineers Hurricane Protection Office (2012)
- Award of **Merit** from ACI for the **OLD** Plaza Area Paving at Stepped Seawall on Lakeshore (2007)
- Award of **Excellence** from ACI for the **OLD** Lakeshore Drive – London Avenue Canal Bridge Replacement (2004)
- Award of **Merit** from ACI for the **OLD** Retaining Wall Restoration at the New Orleans Lakefront Airport (2002)
- **Creative Design Utilizing Precast and Prestressed Concrete** from PCI for the **OLD** East Approach to Stars and Stripes Boulevard (1999)
- Concrete Project Award from G.S.P.C.A. for **Best Project** for the **OLD** Stars and Stripes Boulevard East and West Approach (1997-98)
- **Best Project of the Year** in Louisiana award from ACI, Louisiana Chapter for the **OLD** East Approach to Stars and Stripes Boulevard (1997)
- Award of **Excellence** from the ACI, Louisiana Chapter for the **OLD** East Approach to Stars and Stripes Boulevard (1997)

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

Signature: _____

Print Name: Jim Martin, Ph.D., P.E.

Title: President

Date: January 25, 2024