

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

**Routine Engineering Services for Drainage Projects in Jefferson Parish for a Two-Year Period
SOQ #22-011
Resolution No. 138811**

B. Firm Name & Address:

**Meyer Engineers, Ltd.
4937 Hearst Street, Suite 1B
Metairie, LA 70001**



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:

**Richard C. Meyer, P.E., President (License No. 24012)
4937 Hearst Street, Suite 1B
Metairie, LA 70001
504-885-9892
rickmeyer@meyer-e-l.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.

**David H. Dupre, P.E., Vice President (License No. 23422)
4937 Hearst Street, Suite 1B
Metairie, LA 70001
504-885-9892
ddupre@meyer-e-l.com**

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

<u>2</u> Administrative	– Estimators	<u>1</u> Specification Writers
<u>5</u> Architects (Licensed)	– Geologists	– Structural Engineers
– Chemical Engineers	– Geotechnical Engineers	<u>1</u> Graduate Engineers
<u>12</u> Civil Engineers	<u>1</u> Interior Designers	– Project Managers
<u>30</u> Construction Inspectors	– Landscape Architects	<u>7</u> Clerical
– Ecologists	– Land Surveyor	– Grant/Funding Specialist
– Electrical Engineers	<u>1</u> Mechanical Engineers	– Sanitary Engineers
<u>1</u> Engineer Intern	– Environmental Engineers	
– Professional Land Surveyors		
		<u>61</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES ___ NO X

If marked “No” skip to Section I. If marked “yes” complete Sections G-H.

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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: N/A
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. NOTE: Meyer Engineers, Ltd. will employ sub-consultants such as Geotechnical Engineers, Land Surveyors, and Testing Laboratories on an as needed basis for specialized tasks.		
2.		
3.		
4.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:
5

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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:	David H. Dupré, P.E., Vice President
Project Assignment:	Civil Engineer
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years' Experience with this Firm:	32
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 1984
Active Registration: Year first registered/discipline:	1989/Civil Engineering/LA License #23422



Other experience and qualifications relevant to the proposed project:

David H. Dupré has over thirty-five (35) years of experience in Civil and Structural Engineering, Project Management and Construction Management. He is involved with all aspects of administering engineering projects which include client contact, cost estimates, design plans and specification, construction administration, and preparation of reports. He participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, and environmental. He specializes in Project Management and Infrastructure Design.

Mr. Dupre is the Treasurer/Secretary on the State Board American Council of Engineering Companies (ACEC). He was also the former New Orleans Chapter President. In 2016, Mr. Dupre was honored in receiving the Outstanding Civil Engineer award from the New Orleans Branch of the American Society of Civil Engineers (ASCE). Mr. Dupre is also a member of SAME, ASCE, APWA, CMAA and LES.

Lafitte Drainage Improvement Program, Jefferson Parish

Project Manager for the engineering and project management services for the design, preparation of plans and specifications, and construction administration for the Lafitte Drainage Improvement Program. The project included the installation of more than 30,000 linear feet of subsurface drainage on 27 different streets throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Tasks included coordination for Community Development Block Grants (CDBG), providing environmental clearance, completing DOTD utility permits, design, construction administration and inspection. Meyer coordinated work with Town of Jean Lafitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish Administration, and U.S. Department of Housing and Urban Development (HUD). The program was divided in phases and projects. Meyer completed the design of four (4) Bid Packages, and provided Project Management, which included coordinating several design consultants in the preparation of the Construction Documents for the Bid Packages. Construction Cost: \$6.7M

Bainbridge Canal Closure and Roadway Improvements, Jefferson Parish

Project Manager for designing the improvements on Bainbridge Street from Veterans Boulevard to Terminal Drive in Kenner, Louisiana. The work includes a 4 barrel 8' x 5' concrete box culvert. The work also includes a portion of relocated drainage canal, side street drainage laterals, replacement of concrete streets, utility offsets, streetlights, traffic signal replacement, sidewalks, landscaping, and extension of the left turn lane on Veterans Boulevard. Construction Cost: \$26.2M

Mile Branch Drainage Improvements, St. Tammany Parish

Project Manager for analyzing and developing a preliminary design for erosion problems for the Mile Branch Drainage Improvements Project in Covington, Louisiana. The project includes four (4) reaches of the canal between 11th Street and 23rd Street. The four (4) reaches include:

- ✿ West Magnolia Street to Glocker Lane
- ✿ West 16th Avenue to West 17th Avenue
- ✿ West 20th Street to 21st Street
- ✿ West 22nd Avenue to West 23rd Avenue

Hard armoring systems are being evaluated as they minimize future erosion and will reinforce the steep slopes. Types of armoring being evaluated include gabions (rock filled baskets), riprap, and slope paving. At deeper sections of the canal, sheet pile walls are being evaluated. Construction Cost: \$9M (EST)

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Richard C. Meyer, P.E., President
Project Assignment:	Principal In Charge
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years' Experience with this Firm:	40
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 1980
Active Registration: Year first registered/discipline:	1988 /Civil Engineering/LA License #24012
Other experience and qualifications relevant to the proposed project:	
<p>Richard C. Meyer is President of Meyer Engineers, Ltd. a New Orleans based Architectural and Engineering firm that has provided professional consultant services to the New Orleans area for over forty (40) years. Mr. Meyer has forty (40) years of relevant experience including overseeing architectural/engineering design, construction management and QA/QC contracts with various agencies at the Federal, State, and local levels in the Greater New Orleans Metropolitan area. He is involved with all aspects of administering architectural/engineering projects including client contact, cost estimates, design, contract administration, and contract closeout. He coordinates the architectural/engineering staff and has participated in most of Civil Engineering design including structural, sanitary and storm sewerage, roads and bridges, water and airport designs.</p> <p><u>Harahan Master Drainage Study, Jefferson Parish</u> Principal-in-Charge for preparing a Master Drainage Plan for the City of Harahan to create a Stormwater Management Program.</p> <p><u>Elmwood Business Park Drainage Study, Jefferson Parish</u> Principal-in-Charge for the Drainage Study of the Elmwood Business Park area, which was bounded by Citrus Boulevard, G Street, Sams Avenue, and Edwards Avenue. The business park area studied was predominantly commercial establishments consisting of approximately 190 acres. The drainage analysis entailed applying the Rational Method for a 10-year storm event. At the time of the drainage analysis, the Mounes Street Extension was under construction from Edwards Avenue to Dickory Avenue. Drainage system upgrades were recommended for each street. If all streets within the study area have internal drainage improved, the estimated construction cost was estimated to be approximately \$10.2 Million.</p> <p><u>Oakwood/Terrytown Drainage Improvements, Jefferson Parish</u> Principal-in-Charge for the design of drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. Construction Cost: \$6M</p> <p><u>18th Street/Edenborn Avenue Drainage Improvements, Jefferson Parish</u> Principal-in-Charge for the design, construction administration and inspection for drainage improvements and beautification on 18th Street and Edenborn Avenue. The project consisted of splitting/diverting storm water from the Veterans Blvd. Canal No. 3 to W. Esplanade Canal No. 2. Approximately 1,300' of subsurface drainage was installed along 18th Street and in a future phase approximately 2,200' of subsurface drainage along Edenborn Avenue will be upgraded. In addition to the storm water improvements, the existing 18th Street concrete roadway was completely replaced along with decorative stamp colored sidewalks for pedestrian use. Phase 2 of the project included 72-inch and 84-inch reinforced concrete arch pipes are to be installed along Edenborn Avenue toward the West Esplanade Canal No. 2 to relieve the severely undersized outfall pipes presently utilized to drain 18th street corridor. Construction Cost: \$7M (Both Phases)</p> <p><u>Lafitte Drainage Improvement Program, Jefferson Parish</u> Principal-in-Charge for the engineering and project management services for the design, preparation of plans and specifications, and construction administration for the Lafitte Drainage Improvement Program. The project included the installation of more than 30,000 linear feet of subsurface drainage on 27 different streets throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Construction Cost: \$6.7M</p> <p><u>Soniat Canal/Earhart (Cross Canal) Physical Hydraulic Modeling Study, Jefferson Parish</u> Principal-in-Charge for preparing the Hydraulic Modeling & Report to summarize the losses within the intersection of Soniat Canal and Earhart (Cross Canal) and make recommendations for improvements.</p>	



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Jitendra C. Shah, P.E., Vice President
Project Assignment:	Quality Control/Peer Review
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years' Experience with this Firm:	36
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 1973 M.S. Civil Engineering 1975
Active Registration: Year first registered/discipline:	1981/Civil Engineering/LA License #19551



Other experience and qualifications relevant to the proposed project:

Jitendra C. Shah has over forty-seven (47) years of Civil Engineering experience and is involved in all aspects of administering engineering projects which include client contact, cost estimates, design, construction administration, contract closeout, and preparation of reports and plans and specifications. He participates in most facets of Civil Engineering Design including structural, drainage, sanitary and storm sewerage, water, roads and bridges, water and sewerage treatment plants, green infrastructure, drainage and sewerage pump stations, and airport designs. As Vice President, Mr. Shah is responsible for Quality Control Peer Review for Meyer's engineering projects and has managed projects excess of \$50 Million. He has completed many significant street, drainage and wastewater projects for N.O. Department of Public Works, N.O. Sewerage & Water Board, LA DOTD, Jefferson Parish, and other municipalities in the Metropolitan area. Mr. Shah's professional affiliations include membership in American Society of Civil Engineers (ASCE), Associate Member of the Institute of Transportation Engineers (ITE), Society of American Military Engineers (SAME), and American Concrete Institute (ACI).

Oakwood/Terrytown Drainage Improvements, Jefferson Parish

Project Manager for the design of drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The construction cost was \$6 Million. Design included the following:

- ✿ Approximately 2,500' long new 72" RCPA drain lines.
- ✿ Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. Design included re-establishing vertical alignment for proper drainage.
- ✿ Major utility lines were relocated, and water and sewer line relocation plans were developed. Telephone fiber optical line conflicts were resolved, and gas line relocation was coordinated. The utility relocation plans were developed to minimize damage to the fiber optic cable and streetlight system per Jefferson Parish requirements. Special sequences and details were developed for relocation of telephone fiber optic cables.
- ✿ Detour plans were developed for traffic routing. Two lanes of traffic were kept open throughout the construction of the project, and special construction sequences were developed as needed.
- ✿ The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues.

Mazoue Ditch Drainage Improvements, Jefferson Parish

Project Engineer for design, construction administration, and inspection for the Mazoue Ditch Drainage Improvements. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The project consisted of the following typical sections:

- ✿ 3,000' long - 11' wide and 10' deep sheet pile section. Approximately 30' long sheet pile and 18" thick bottom concrete slab was installed.
- ✿ 200' long - 11' wide and 10' deep concrete u-channel.
- ✿ 1,050' long - 10' x 8' concrete box culvert.

The work also included slope paving, drainage manholes, catch basins, drain line adjustments, utility adjustment, fencing and pavement replacement. Construction Cost: \$12.4M

Industry Canal Improvements, Jefferson Parish

Project Engineer for the design and construction support for Industry Canal Improvements in Jefferson Parish. The project consisted of drainage improvements for the Industry Canal from the Oakwood Canal to Bayou Barataria. The project included a 42' wide x 12' tall concrete U-channel section (approximately 3,100' long), removal of existing 3 - 72" x 122" arch pipes and major utility relocation work. The work also included coordinating a major transmission line relocation with Entergy. Mr. Shah provided project management for the project, and coordinated work with the USACE, Jefferson Parish, the geotechnical engineer and surveyor. The project was designed per USACE requirements. SELA funding was provided for design and construction of this project. Construction support included review of shop drawings and request for information (RFI's) as well as required design revisions during construction. Construction Cost: \$18.7M

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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Mark A. Schutt, P.E., Project Engineer
Project Assignment:	Civil Engineer
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years Experience with this Firm:	21
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 1997 M.S. Civil Engineering 1999
Active Registration: Year first registered/discipline:	2003/Civil Engineering/LA License #30528
Other experience and qualifications relevant to the proposed project:	
<p>Mark A. Schutt, P.E. has over twenty-three (23) years of experience in Civil Engineering and Structural Engineering, and Project Management. He is involved with many aspects of administering engineering projects which include client contact, cost estimates, design plans and specifications, construction administration, and preparation of reports. He participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, environmental, and structural. He has specialized experience in designing a variety of recreation projects to include boat launches, fishing piers, and bike paths, and has worked on several drainage and wastewater projects in the region. Mr. Schutt's professional memberships include ASCE, APWA, LES, and NSPE.</p> <p><u>Harahan Master Drainage Study, Jefferson Parish</u> Project Engineer for preparing a Master Drainage Plan for the City of Harahan to create a Stormwater Management Program which included the following:</p> <ul style="list-style-type: none"> ✦ Creation of maps identifying flood prone areas. ✦ Field investigation of location and conditions of existing culverts as potential problems. Researched previous drainage studies and their recommendations. ✦ Analyzed the problem areas identified by the City, Parish, Soniat Drainage Advisory Board and local residents. ✦ Created computer models of existing interior drainage system and improved conditions for 10-year storm event using the EPA Storm Water Management Model (SWMM). <p><u>Elmwood Business Park Drainage Study, Jefferson Parish</u> Project Engineer for the Drainage Study of the Elmwood Business Park area, which was bounded by Citrus Boulevard, G Street, Sams Avenue, and Edwards Avenue. The drainage analysis entailed applying the Rational Method for a 10-year storm event. At the time of the drainage analysis, the Mounes Street Extension was under construction from Edwards Avenue to Dickory Avenue. Drainage system upgrades were recommended for each street. If all streets within the study area have internal drainage improved, the estimated construction cost was estimated to be approximately \$10.2 Million.</p> <p><u>Lafitte Drainage Improvement Program, Jefferson Parish</u> Project Engineer for the engineering and project management services for the design, preparation of plans and specifications, and construction administration for the Lafitte Drainage Improvement Program. The project included the installation of more than 30,000 linear feet of subsurface drainage on 27 different streets throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Tasks included coordination for Community Development Block Grants (CDBG), providing environmental clearance, completing DOTD utility permits, design, construction administration and inspection. Mr. Schutt coordinated work with Town of Jean Lafitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish Administration, and U.S. Department of Housing and Urban Development (HUD). Mr. Schutt completed the design of four (4) Bid Packages. Mr. Schutt also provided Project Management, which included coordinating a number of design consultants in the preparation of the Construction Documents for the Bid Packages. Mr. Schutt also completed the Lafitte Master Drainage Plan which precipitated this project. Construction Cost: \$6.7M</p>	



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Eric Colwart, P.E., Civil Engineer
Project Assignment:	Civil Engineer
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years' Experience with this Firm:	14
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 2005
Active Registration: Year first registered/discipline:	2011/Civil Engineering/LA License #36290
Other experience and qualifications relevant to the proposed project:	
<p>Eric Colwart has over fourteen (14) years of experience in Civil and Structural Engineering which includes client contact, cost estimates, design, construction administration, and preparation of reports, plans and specifications. He specializes in structural engineering and city infrastructure projects. Structural engineering projects include analysis of existing structures and foundations, as well as design of concrete foundations and steel framing for new buildings and structures. City infrastructure projects include performing hydraulic analysis and geometric design for roadway and drainage projects.</p> <p>Mr. Colwart has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards" and the "AISC Manual of Steel Construction". Mr. Colwart's professional memberships include ASCE and SEI.</p> <p><u>Oakwood/Terrytown Drainage Improvements, Jefferson Parish</u> Assisted with the design of drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The construction cost was \$6 Million. Design included the following:</p> <ul style="list-style-type: none"> ✿ Approximately 2,500' long new 72" RCPA drain lines. ✿ Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. Design included re-establishing vertical alignment for proper drainage. ✿ The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues. <p><u>Mazoue Ditch Drainage Improvements, Jefferson Parish</u> Assisted with the design, construction administration, and inspection for the Mazoue Ditch Drainage Improvements. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The project consisted of the following typical sections:</p> <ul style="list-style-type: none"> ✿ 3,000' long - 11' wide and 10' deep sheet pile section. Approximately 30' long sheet pile and 18" thick bottom concrete slab was installed. ✿ 200' long - 11' wide and 10' deep concrete u-channel. ✿ 1,050' long - 10' x 8' concrete box culvert. <p>The work also included slope paving, drainage manholes, catch basins, drain line adjustments, utility adjustment, fencing and pavement replacement. Challenges included constructing the improvements within a tight (24') right-of-way. Meyer considered the hydraulic parameters and construction issues, to develop several options and design sections.</p> <p><u>Oak Park Storm Water Management and Flood Mitigation, Orleans Parish</u> Project Engineer for the Oak Park Stormwater Management and Flood Mitigation Project transforms a cluster of five vacant parcels on Perlita Street, as well as a portion of the adjacent public right-of-way (ROW) on Perlita Street, into a stormwater management area that reduces the risk of flooding for the surrounding neighborhood. The project site encompasses 27,720 square feet or 0.64 acres. Additional storage and landscape interventions in the "Preferred Option" include a bioswale that replaces the eastern travel and parking lanes of Perlita Street, which feeds into a shallow basin on the project site (one foot deep at its deepest). Water from the basin can infiltrate through the soil and into the underground storage tank below. The bioswale and pervious pavement offer additional storage capacity for stormwater. The storm water storage capacity of this project is 64,000 CF. The project team tested several design scenarios on the project site and adjacent areas of the right-of-way and conducted final modeling on two scenarios.</p>	



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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Kenneth J. Belou, P.E., Civil Engineer
Project Assignment:	Civil Engineer
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years Experience with this Firm:	12
Education:	B.S. Civil Engineering 2009
Degree(s)/Year/Specialization:	2009/Civil Engineering/LA License #38850
Active Registration: Year first registered/discipline:	2009/Civil Engineering/LA License #38850
Other experience and qualifications relevant to the proposed project:	
<p>Kenneth J. Belou has twelve (12) years of experience in Civil Engineering and Construction Administration. He engages in numerous aspects of civil engineering for the firm including client contact, project planning and budgeting, project design, plan and specification preparation, cost estimate development, computer-aided design using AutoDesk AutoCAD and AutoDesk Civil 3D, and report preparation.</p> <p>His experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. He is involved in many fields of civil engineering design including roads, drainage, sanitary sewer collection and treatment systems, water, environmental, recreation, and structural. Mr. Belou is a member of the American Society of Civil Engineers and a recipient of the University of New Orleans Chancellor's Award in 2009.</p> <p><u>Oakwood/Terrytown Drainage Improvements, Jefferson Parish</u> Assisted with the design of drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The construction cost was \$6 Million. Design included the following:</p> <ul style="list-style-type: none"> ✿ Approximately 2,500' long new 72" RCPA drain lines. ✿ Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. Design included re-establishing vertical alignment for proper drainage. ✿ The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues. <p><u>Pontchartrain Gardens Drainage, Jefferson Parish</u> Assisted with the design, preparation of plans and specifications for the Pontchartrain Gardens Drainage Improvements. The intent of this project is to upgrade the subsurface drainage system on Lemon and Lime streets as they are bounded by West Esplanade to the north and Veterans Boulevard to the south. The project included installation of large subsurface storm water drainage pipe that discharges into the West Esplanade Canal No. 2 and also the Veterans Boulevard Canal No. 3. He assisted with completing a hydraulic study of the area, design of the storm water drainage system, and preparation of construction documents to be advertised and bid through Jefferson Parish. He assisted with construction administration and inspection and assisted with coordinating work with Jefferson Parish Drainage, Water, Sewerage and Engineering Departments.</p> <p><u>Children's Hospital Green Infrastructure Flood Mitigation, Orleans Parish</u> Project Engineer for the expansion of Children's Hospital Henry Clay Avenue and State Street Campuses which consists of several phases. Meyer was retained to provide civil engineering for various phases of new construction including a 230,000 SF hospital, 584 car parking garage, 70,000 SF behavioral health hospital, and rehabilitation of existing structures and roadways throughout both campuses. Part of Meyer's scope was to develop the Site's Storm Water Management Plan to meet the Storm Water Code of the revised City's Building Code. This plan included evaluation of existing and required storm drainage maps, drainage calculations, and estimate the expectant pollutant load. Meyer implemented both grey and green infrastructure to meet the City's requirements. Grey infrastructure improvements included conventional drainage basins and culverts. Green infrastructure improvements included rain gardens, bioswales, landscaping, permeable pavement, ground storage tanks and infiltration trenches. Construction Cost: \$255M (EST)</p>	



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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Donovan P. Duffy, P.E.
Project Assignment:	Civil Engineer
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years' Experience with this Firm:	6
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 2013
Active Registration: Year first registered/discipline:	2017/Civil Engineering/LA License #41844
Other experience and qualifications relevant to the proposed project:	
<p>Donovan Duffy has over nine (9) years of experience in Civil and Structural Engineering and Construction Management. He has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. He specializes in water management and drainage design, including hydraulic impact analysis. He is also involved in many fields of civil engineering design including roads, drainage, sanitary sewer: collection, lift stations, force mains and treatment systems, water treatment and distribution networks, environmental and recreation. His experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of pre-construction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. Mr. Duffy has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards", "Recommended Standards for Wastewater Facilities (Ten States Standards)" and the "AISC Manual of Steel Construction".</p> <p><u>Montz Master Drainage Plan, St. Charles Parish</u> Project Engineer preparing the drainage plan for Montz in St. Charles Parish. The study limits are from LA 3217 in Laplace to the spillway levee in St. Charles Parish. The scope includes performing a hydraulic impact study for both existing and proposed conditions. This study includes work along Airline Highway and also takes the future West Shore Levee Project into consideration.</p> <p><u>Oak Park Drainage/Helen Drive Pond Improvements, St. Tammany Parish</u> Project Engineer currently preparing a Hydrology & Hydraulic (H&H) Report for the Oak Park Estates and Ruelle Du Chene Subdivision in Madisonville, Louisiana between Brewster Road and LA 22. The proposed H&H model shall reflect proposed improvements to streets contained within Oak Park Subdivision. Drainage improvements will also capture drainage from Ruelle Du Chene subdivision to Lateral 21-IWI-3 and Gail Street, along with improvements to Brewster Road drainage to Lateral 21-IWI-3 and to Oak Park Drive. The project also includes a proposed retention pond (approximately 10 acres) located east of Gail Street on undeveloped land. Construction Cost: \$2.2M (EST)</p> <p><u>St. Bernard Master Drainage Plan, St. Bernard Parish</u> Assisted with preparing the Drainage Master Plan for St. Bernard Parish. The study limits of St. Bernard Parish were the Orleans Parish line, Mississippi River Levee, and the Lake Borgne Basin Levee District Back Protection Levees. During the first phase maps were prepared to identify flood prone areas, repetitive loss areas, and areas which have flooded in the past. The second phase of the project included hydraulic modeling, and impact hydraulic analysis for all major canals in St. Bernard Parish. During the third phase of the project, a preliminary probable construction cost, prioritized list of recommended projects and a final report were completed.</p> <p><u>Children's Hospital Behavioral Health Hospital, Orleans Parish</u> Project Engineer for the expansion of the Storm Water Management Plan (SWMP) to include the parking areas. Work includes coordinating with F&J Architecture and the City of New Orleans, coordination with the City of New Orleans, stormwater drainage design to incorporate existing parking areas, revisions to the narratives and exhibits of the SWMP including drainage area maps and plans, stormwater calculations, and green infrastructure backup information.</p>	



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	Robert Klare, P.E.
Project Assignment:	Civil Engineer
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years' Experience with this Firm:	8
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 2013
Active Registration: Year first registered/discipline:	2018/Civil Engineering/LA License #42991
Other experience and qualifications relevant to the proposed project:	
<p>Robert Klare, P.E. has eight (8) years of engineering experience and is proficient in various computer programs and has experience in document management for all project phases, creating and modifying drawings, and collaborating with engineers to ensure adherence to specifications and standards.</p> <p><u>Parks of Plaquemines Subdivision, Plaquemines Parish</u> Performed engineering design for the development of a multi-phase, 200+ acre subdivision. He coordinated drainage, sewer, street, and water design. The development was divided in phases and Mr. Klare assisted in the design of four (4) Bid Packages. He performed engineering calculations and <i>design for a detention pond and overflow weir</i>. He also prepared specifications for these projects.</p> <p><u>Woodland Industrial Park Drainage Improvements, Plaquemines Parish</u> The project included design of <i>rehabilitation and upgrading existing drainage infrastructure</i> in the Woodland Industrial Park in Plaquemines Parish. Mr. Klare performed engineering design for drainage and pavement upgrades to the park. He designed drainage, prepared plans, and coordinated with pipeline operators.</p> <p><u>Peachtree Street Drainage, Baton Rouge</u> The project scope included the <i>replacement and drainage upgrades</i> along Peachtree Street in Baton Rouge near Baton Rouge General – Mid City Hospital. Construction of the hospital changed the land use and drainage patterns, contributing to increased flooding in the area. Mr. Klare designed the project to upgrade existing drainage and convert paved areas into green infrastructure for reducing and retaining stormwater runoff.</p> <ul style="list-style-type: none"> ✦ 700' long street with two (2) travel lanes, one (1) turn lane, converted to two (2) travel lanes + Rain Garden ✦ Drainage Culverts 12" Diameter to 36" Diameter ✦ Green Infrastructure – Grass Channel <p><u>South Galvez Street Reconstruction, New Orleans</u> The project included complete demolition and reconstruction of South Galvez Street in New Orleans. This project included reconfiguring existing lanes to add parking and bike lanes, <i>full reconstruction</i> of water, sewer, and <i>drainage lines</i>. Drainage lines were upgraded to larger sizes. Design also included pervious pavement in parking lanes for green stormwater management. Mr. Klare prepared plans and specifications, <i>calculated drainage design</i>, and coordinated with city on project requirements.</p> <ul style="list-style-type: none"> ✦ 1,800' long avenue with four (4) travel lanes converted to two (2) travel lanes + (2) bike lanes + street parking ✦ Drainage Culverts 12" Diameter to 42" Diameter ✦ Water Lines 6" to 12" Diameter ✦ 600' of Sewer Mains 8" to 12" Diameter ✦ Green Infrastructure – Pervious Pavement 	



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT	
Name & Title:	James A. Ray, Construction Administrator
Project Assignment:	Construction Administration
Name of Firm with which associated:	Meyer Engineers, Ltd.
Years Experience with this Firm:	35
Education: Degree(s)/Year/Specialization:	B.S. Civil Engineering 1976
Active Registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed project:	
<p>James A. Ray has over forty-five (45) years of experience in Construction Administration. He performs Construction Administration on all types of commercial, public, and residential projects. His experience includes pre-construction meetings, project meetings, field observations, shop drawing review, pay request evaluation, change order evaluation and multiple other field coordination tasks. Mr. Ray assesses the presented field items on a timely basis to keep the construction progressing within the prescribed period. Over Mr. Ray's extensive career, he has managed the construction of hundreds of projects ranging in size from \$100,000 to over \$50 Million and has experience with LADOTD, Facility Planning & Control, and multiple local Parishes and municipalities.</p> <p><u>Oakwood/Terrytown Drainage Improvements, Jefferson Parish</u> Completed the Construction Administration for drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The construction cost was \$6 Million. Design included the following:</p> <ul style="list-style-type: none"> ✿ Approximately 2,500' long new 72" RCPA drain lines. ✿ Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. Design included re-establishing vertical alignment for proper drainage. ✿ Detour plans were developed for traffic routing. Two lanes of traffic were kept open throughout the construction of the project, and special construction sequences were developed as needed. ✿ The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues. <p><u>18th Street Drainage Improvements, Jefferson Parish</u> Completed the construction administration for drainage improvements and beautification on 18th Street and Edenborn Avenue. The project consisted of splitting/diverting storm water from the Veterans Blvd. Canal No. 3 to W. Esplanade Canal No. 2. Approximately 1,300' of subsurface drainage was installed along 18th Street and in a future phase approximately 2,200' of subsurface drainage along Edenborn Avenue will be upgraded. In addition to the storm water improvements, the existing 18th Street concrete roadway was completely replaced along with decorative stamp colored sidewalks for pedestrian use. Part of the design consisted of replacement of the water and sewer lines while maintaining service of the existing utilities. The estimated construction cost of both Phases is \$4.1 Million.</p> <p><u>Mazoue Ditch Drainage Improvements, Jefferson Parish</u> Completed construction administration for the Mazoue Ditch Drainage Improvements. The project was constructed in six (6) phases as funding became available through the Louisiana Statewide Flood Control Program. The work also included slope paving, drainage manholes, catch basins, drain line adjustments, utility adjustment, fencing and pavement replacement. Construction Cost: \$12.4M</p> <p><u>Lafitte Drainage Improvement Program, Jefferson Parish</u> Completed construction administration for the Lafitte Drainage Improvement Program. The project included the installation of more than 30,000 linear feet of subsurface drainage on 27 different streets throughout the Town of Jean Lafitte and surrounding areas to improve the drainage conveyance to the existing pump stations. Mr. Ray coordinated work with Town of Jean Lafitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish Administration, and U.S. Department of Housing and Urban Development (HUD). The program was divided in phases and projects. Meyer provided Project Management, which included coordinating several design consultants in the preparation of the Construction Documents for the Bid Packages. Construction Cost: \$6.7M</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:
Design, Bidding and Construction Administration

Bainbridge Canal Closure and Roadway Improvements

Jefferson Parish, Louisiana

Jefferson Parish
1223 Elmwood Park
Boulevard, Ste. 906
Harahan, LA 70123
Mr. Neil Schneider, P.E.
504-736-6833

Email:
nschneider@jeffparish.net

KEY PERSONNEL

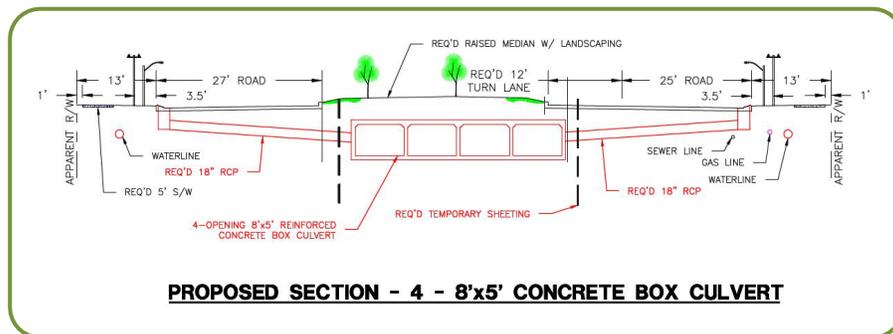
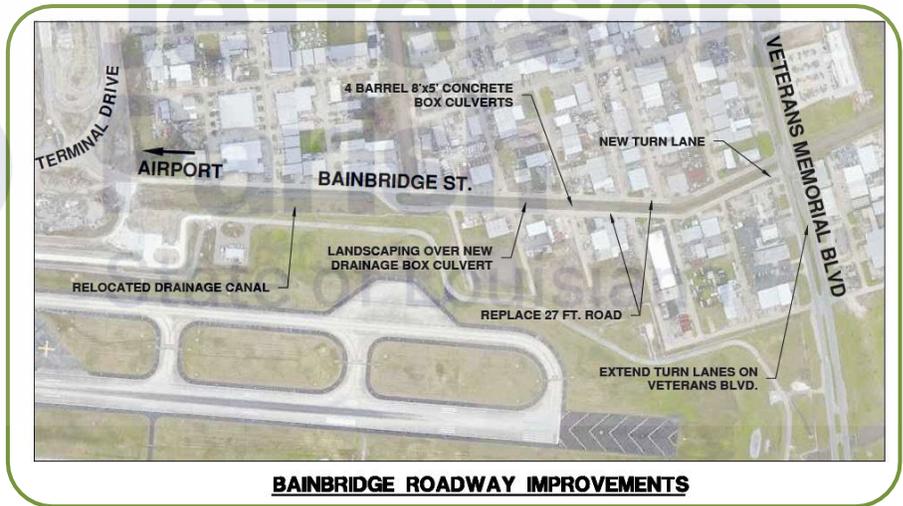
Richard C. Meyer, P.E.
David H. Dupré, P.E.
Kenneth Belou, P.E.

HIGHLIGHTS

-  Concrete Box Culvert
-  Concrete Street Replacement
-  Sidewalks
-  Landscaping

Meyer Engineers, Ltd. (Meyer) is designing the improvements on Bainbridge Street from Veterans Boulevard to Terminal Drive in Kenner, Louisiana. The work includes a 4 barrel 8' x 5' concrete box culvert. The work also includes a portion of *relocated drainage canal, side street drainage laterals*, replacement of the concrete streets, utility offsets, streetlights, traffic signal replacement, sidewalks, landscaping, and the extension of the left turn lane on Veterans Boulevard.

Meyer is designing and leading a team of four (4) design consultants, a geotechnical engineer, and a surveyor. There are many stakeholders involved in this project, which include the City of Kenner, Jefferson Parish (who owns the canal and provides drainage to the Parish), and the Louis Armstrong New Orleans Airport. Meyer is developing solutions that benefit all parties. Meyer previously completed the Bainbridge Street Intermodal Access/Impact Study. The study developed, defined, and analyzed a range of feasible improvements to Bainbridge Street. The project defined and quantified the Airport's related traffic impacts on the roadway, as well as reasonably forecastable land use changes.



Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

On-Going

\$26.2M

100%

TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:
Design and Construction Administration

**Lime Street
Drainage
Improvements**
Jefferson Parish, Louisiana

Meyer Engineers, Ltd. (Meyer) provided engineering for the design and preparation of plans and specifications for the Lime Street Drainage Improvements, which includes **upgrading the subsurface drainage system** on Lime Street from West Esplanade to Veterans Boulevard.

Jefferson Parish Department of Capital Projects
1221 Elmwood Park Boulevard, Suite 906
Harahan, LA 70123
Mr. Neil Schneider
504-736-6833
Email:
nschneider@jeffparish.net

This critical drainage project is situated in an area that has one of the more poorly drained storm water subsurface drainage systems in Metairie. A considerable amount of the subdivision is approximately 7 feet below mean sea level.

The project included installation of 30" PVC to 48" RCPA storm water drainage trunk line that discharges into the West Esplanade Canal No. 2 to the north and the Veterans Boulevard Canal No. 3 to the south.

The project also included the replacement of Lime Street (concrete), water line offsets (including a 30" concrete Price Brothers pipe with ductile iron pipe), sanitary sewer conflict boxes, jack or bore of a 48" steel drainage pipe under Veterans Boulevard, open cut of West Esplanade for a 48" drain line which necessitated a detour plan, concrete slope paving for outfall pipes, sidewalk replacement, and tree protection.

KEY PERSONNEL

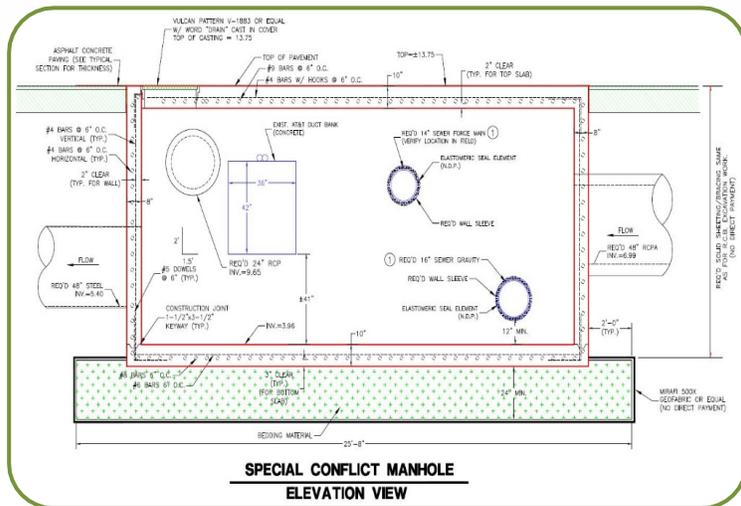
Richard C. Meyer, P.E.
David Dupre, P.E.
Alec Simonson, P.E.

Tasks Meyer completed include a hydraulic study of the area, design of a storm water drainage system, and preparation of construction documents to be advertised and bid through Jefferson Parish. Meyer coordinated work with Jefferson Parish Capital Improvements, Drainage, Water, Sewerage and Engineering Departments.

HIGHLIGHTS

- 48" Drain Line
- Concrete Road Replacement
- Utility Offsets and Conflict Boxes

A design challenge was the conflict with the required 48" RCPA and the numerous existing utilities (AT&T duct bank, 14" sewer force main, 12" sewer gravity line, and side drainage culverts) all in close proximity to each other on Veterans Boulevard. The solution was to design a 21' x 8' conflict box.



Completion Date (Actual or estimated):

2022 (EST)

Estimated Cost:

Entire Project:

\$7.1M

Work for which Firm was Responsible:

100%

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
	<i>Study/Modeling & Preliminary Design</i>	
<p style="text-align: center;">Oak Park Drainage/Helen Drive Pond Improvements</p> <p style="text-align: center;">St. Tammany Parish, Louisiana</p> <p>St. Tammany Parish Government 21454 Koop Drive, Building B Mandeville, LA 70471 Ms. Laura Gatlin 985-898-2700 Email: lcbeach@stpgov.org</p> <p>KEY PERSONNEL</p> <p>Richard C. Meyer, P.E. Jitendra C. Shah, P.E. Donovan Duffy, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"> Hydrology & Hydraulic Report Retention Pond 	<p><i>Meyer Engineers, Ltd.</i> is currently preparing a Hydrology & Hydraulic (H&H) Report for the Oak Park Estates and Ruelle Du Chene Subdivision in Madisonville, Louisiana between Brewster Road and LA 22. The proposed H&H model shall reflect proposed improvements to streets contained within Oak Park Subdivision which include Gail Street, Oak Park Drive, Helen Drive, Lateral 21-IW1-3, Theresa Street, Cheryl Oak Street, and Lateral 21-IW1-4. Drainage improvements will also capture drainage from Ruelle Du Chene subdivision to Lateral 21-IW1-3 and Gail Street, along with improvements to Brewster Road drainage to Lateral 21-IW1-3 and to Oak Park Drive. This project also includes a proposed retention pond (approximately 10 acres) located East of Gail Street on undeveloped land. The estimated construction cost is \$2.2M. The scope of work includes the following:</p> <p style="text-align: center;"><u>HELEN DRIVE POND</u></p> <ul style="list-style-type: none"> Design 10-acre detention pond on the undeveloped land east of Gail Street. <p style="text-align: center;"><u>OAK PARK ESTATES DRAINAGE IMPROVEMENTS</u></p> <ul style="list-style-type: none"> Upgrade existing roadway ditches and driveway culverts along Gale Street, Cherly Street, Oak Park Road, and Helen Drive to provide positive storm water flow to Helen Drive Pond. Culvert crossing size may be revised upon completion of the H&H Analysis. <p style="text-align: center;"><u>BREWSTER ROAD DRAINAGE IMPROVEMENTS</u></p> <ul style="list-style-type: none"> Upgrade existing roadway ditches and culverts along Brewster Road from the Dominion Subdivision to Lateral 21-IWI-3. Existing cross sections of Lateral 21-IWI-3 will be analyzed, and culvert crossing size may be revised upon completion of the H&H Analysis. <p style="text-align: center;"><u>RUE DE CHENE DRIVE IMPROVEMENTS</u></p> <ul style="list-style-type: none"> Upgrade existing roadside ditches and culverts from Brewster Road to Archers Way. <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
On-Going	\$2.2M	70%

TEC Professional Services Questionnaire

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
	<i>Program Management</i>	
<p><i>Lafitte Area Wide Independent Levee District Drainage Program Management</i> Jefferson Parish, Louisiana</p> <p>Lafitte Area Wide Independent Levee District 799 Jean Lafitte Boulevard Lafitte, LA 70064 Ms. Nicole Cooper, Director of Administration 504-689-2208 Email: ncooper@townofjeanlafitte.com</p> <p>KEY PERSONNEL</p> <p>Richard C. Meyer, P.E. David H. Dupre, P.E. Ann M. Theriot, P.E. Jitendra C. Shah, P.E. Mark Schutt, P.E. Donovan Duffy, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"> ✿ Program Management ✿ Drainage and Pump Station Improvements ✿ Drainage Basin Modeling 	<p>The Lafitte Area Independent Levee District (LAILD) hired <i>Meyer Engineers, Ltd.</i> (Meyer) as their <i>Program Manager</i> to monitor and coordinate the district's drainage and pump station improvement projects, which are needed since levees are being constructed around several drainage basins. For this program, Meyer has the overall responsibility for the successful negotiation, review, monitoring and documentation for the design of <i>twenty-two projects in four different drainage basins.</i> After LAILD hired ten engineering firms to prepare the survey, geotechnical investigations, environmental permits, drawings and specifications for the drainage and pump station projects, Meyer's duties and responsibilities include but are not limited to the following:</p> <ul style="list-style-type: none"> ✿ Develop and maintain document control database to track project correspondence. ✿ Finalize scope and budget for each project and review itemized budgets. ✿ Review engineering contracts and amendments and provide recommendation for approval. ✿ Monitor design schedules and in-progress design documents. ✿ Negotiate design and supplementary service fees. ✿ Prepare status report for projects on spreadsheet form approved by LAILD. ✿ Assist LAILD and design consultants with preparation of any necessary document/permit documentation. ✿ Resolve and make recommendations for technical questions regarding issues of constructability during the design process. ✿ Review reports and coordinate with LAILD and design consultants as to action recommended to be taken. ✿ Review and make recommendations regarding design consultants' plans, specifications, and cost estimates for general conformance with LAILD's criteria and constructability. ✿ Monitor general compliance of plans and specifications with design standards, applicable codes and permitting restrictions and requirements. ✿ Develop bid packages prepared by design consultant. ✿ Attend Board meetings and other meetings, as necessary. ✿ Prepare reports for distribution to Board members and the public. ✿ Coordinate with design consultants and local governmental agencies having jurisdiction over the projects. <p>As Program Manager for the Lafitte Area Independent Levee District, Meyer is expected to take the leadership role both on the site and in the office and to encourage excellence and quality in the work amongst all the design consultants.</p>	
	Estimated Cost:	
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:
2024 (EST)	\$24.8M	100%

TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Hydrology & Hydraulic Analysis, Permitting, Preliminary and Final Design, and Construction Administration

Beaver Creek Drainage Improvements/ Retention Pond
Tangipahoa Parish, Louisiana

Meyer Engineers, Ltd. (Meyer) is currently preparing Hydrology & Hydraulics Report for the Beaver Creek drainage basin in the Village of Tangipahoa at the intersection of LA Hwy. 51 and LA Hwy. 440 (Center Street). The scope of work includes the following:



Tangipahoa Parish
P.O. Box 215
Amite, LA 70422
Mr. John Dardis
985-507-5705
Email: dardisj@bellsouth.net

Martin Luther King Drive Drainage Improvements

Upgrade existing roadway drainage by installing 36" RCPA along MLK Drive and regrade roadside ditch to provide positive storm water flow toward Beaver Creek.

KEY PERSONNEL

Richard C. Meyer, P.E.
Donovan Duffy, P.E.

La Hwy 51 Drainage Improvements

Upgrade existing roadway drainage by installing 36" RCPA and regrade roadside ditch to provide positive storm water flow toward Beaver Creek and the existing LA Hwy 51 cross box culvert.

Jackson Street Drainage Improvements (East of LA Hwy. 51)

Upgrade existing LA Hwy. 440 (Center Street) roadway crossing drainage by installing a 6'x10' reinforced concrete box culvert with headwalls across LA Hwy. 440 (Center Street) to replace the three (3) existing 48" x 72" CMP to provide positive storm water flow from the existing LA Hwy. 51 cross box culvert and railroad trestle to Center Street and into a new **10 acre retention pond**. The retention pond will hold runoff during storm events before releasing it into Beaver Creek once the water level has subsided.

HIGHLIGHTS

- Hydrology & Hydraulics Report
- Retention Pond

Meyer will prepare a Benefit Cost Analysis and Hydrology & Hydraulic Analysis which will include the following:

- Analyze the effects of the upstream and downstream flow for the Beaver Creek Drainage Basin between Interstate 55 and Tangipahoa River.
- Perform Hydraulic Analysis for the 25-and 100-year design storm event using HEC-RAS and PCSWMM programs.

The construction estimate for drainage improvements is \$2.85M. Upon approval of the H&H analysis by Tangipahoa and FEMA, Meyer will prepare Environmental Permits and complete Preliminary Design, Final Design and Construction Administration.

Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

On-Going

\$2.8M

100%

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
	<i>Report & Preliminary Design</i>	
<p style="text-align: center;"><i>Mile Branch Drainage Improvements</i> St. Tammany Parish, Louisiana</p> <p>St. Tammany Parish Government P.O. Box 628 Covington, LA 70434 Mr. Jason P. Cambre 985-898-2552 Email: JPCambre@stpgov.org</p> <p>KEY PERSONNEL</p> <p>Richard C. Meyer, P.E. David H. Dupre, P.E. Eric Colwart, P.E. Tyler Gettys, E.I.</p> <p style="text-align: center;">HIGHLIGHTS</p> <ul style="list-style-type: none"> ✿ Erosion Control Analysis ✿ Armoring of Canals ✿ Sheet Pile Wall ✿ Hydraulic Analysis ✿ Scenic River 	<p><i>Meyer Engineers, Ltd. (Meyer)</i> is analyzing and developing a preliminary design for erosion problems for the <i>Mile Branch Drainage Improvements</i> Project in Covington, Louisiana. The project includes four (4) reaches of the canal between 11th Street and 23rd Street. The four (4) reaches include:</p> <ul style="list-style-type: none"> ✿ West Magnolia Street to Glocker Lane ✿ West 16th Avenue to West 17th Avenue ✿ West 20th Street (Confluence of Blue Swamp Creek and Mile Branch) to 21st Street ✿ West 22nd Avenue to West 23rd Avenue <p>Meyer will investigate options including <i>armoring and sheet pile walls</i>.</p> <p>Hard armoring systems are being evaluated as they minimize future erosion and will reinforce the steep slopes. Types of <i>armoring</i> being evaluated include <i>gabions</i> (rock filled baskets), riprap, and slope paving.</p> <p>Where open graded armoring systems are used, a geotextile fabric will first be placed against the canal bank to prevent further erosion of fine particles.</p> <p>At deeper sections of the canal, <i>sheet piles walls</i> are being evaluated. Due to very limited right-of-way and the proximity to houses, a sheet pile installation option includes specifying a hydraulic sheet pile driver. Hydraulic sheet pile drivers reduce the footprint required for installation.</p> <p>Meyer will also:</p> <ul style="list-style-type: none"> ✿ Perform preliminary <i>analysis of hydraulics</i>. ✿ Coordinate with utility companies. ✿ Coordinate with USACE on permitting requirements. This canal is a <i>scenic river</i>. ✿ Develop Preliminary Plans which include typical sections, plan/profile sheets, and cross sections including alternate sections. ✿ Develop cost estimate per alternate. ✿ Estimate construction and permanent right-of-way or servitude requirements. Buyouts of properties will be considered. ✿ Develop a report on findings and recommendations. ✿ <i>Present the findings to stakeholders.</i> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
07/2022 (EST)	\$9M	95%

TEC Professional Services Questionnaire

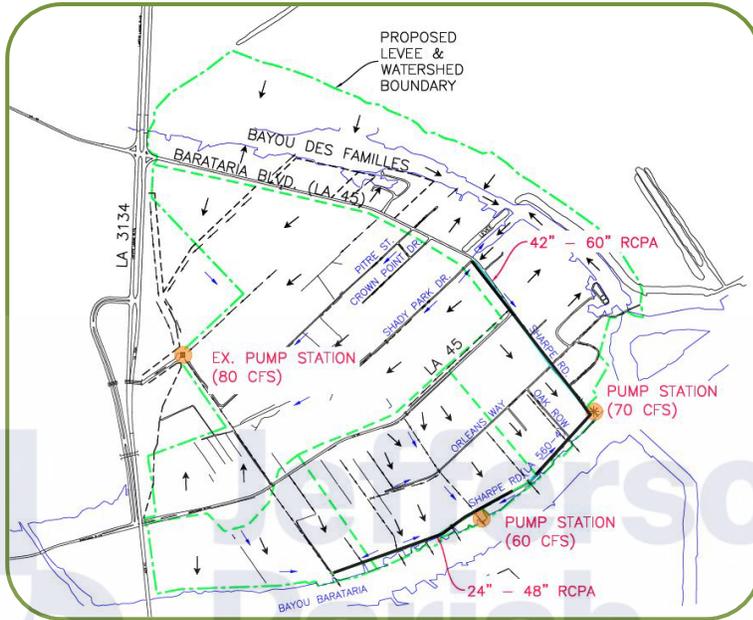
PROJECT NO. 7

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:
Design & Construction Administration

Crown Point Drainage Improvements
Jefferson Parish, Louisiana

Lafitte Area Wide Independent Levee District
799 Jean Lafitte Boulevard
Lafitte, LA 70064
Ms. Nicole Cooper, Director of Administration
504-689-2208
Email:
ncooper@townofjeanlafitte.com



KEY PERSONNEL

Richard C. Meyer, P.E.
Jitendra C. Shah, P.E.
David H. Dupre, P.E.
Donovan Duffy, P.E.
Eric Colwart, P.E.

Meyer Engineers, Ltd. (Meyer) is completing the design and will perform construction administration on **two (2) drainage improvement projects and two (2) drainage pump stations** in Crown Point. These projects will provide drainage support for the levees that being designed in the Crown Point drainage basin (which Meyer is also designing). Meyer developed the general drainage concept of the design.

Drainage trunk lines vary in size from **24" RCPA to 60" RCPA**. A **6' x 4' box culvert** is designed to cross under LA 560. Flap gates on drain lines, road repair and water line offsets are included. The two (2) required drainage pump stations will convey 60 CFS and 70 CFS, respectively.

HIGHLIGHTS

- 🌿 Multiple Bid Packages
- 🌿 Drainage Design
- 🌿 Pump Station Design
- 🌿 Site Location Determination
- 🌿 PCSWMM Modeling

The project includes coordination with the Lafitte Levee District, LADOTD, Jefferson Parish, and CPRA. Meyer managed the following subconsultants: surveyors, geotechnical, environmental, and electrical engineers.

A challenge encountered on the project was calculating the drainage design. The **design needs to be operational for normal gravity conditions, as well as when the flood gates are closed**, as well as when the drainage pump stations are operating. Drainage calculations included the **Rational Formula** for gravity plan flow, the **National Resources Conservation Service (NRCS)** for the DOTD highway crossings and **PCSWMM Modeling** for the drainage pump stations.

Completion Date (Actual or estimated):

07/2022 (Design)
04/2024 (Construction Admin.)

Estimated Cost:

Entire Project:

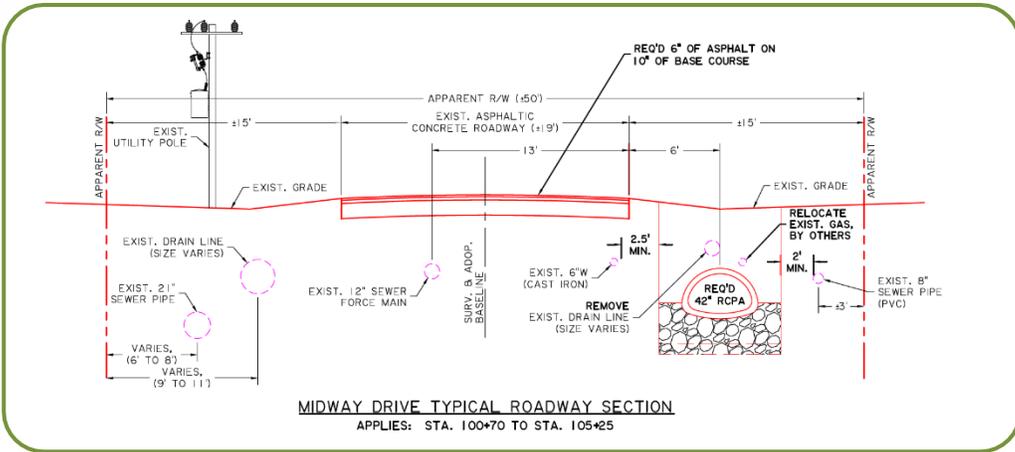
\$12,300,000

Work for which Firm was Responsible:

90%

TEC Professional Services Questionnaire

PROJECT NO. 8

<p>Project Name, Location and Owner's contact information:</p> <p style="text-align: center;"><i>Midway Drive Drainage Improvements – Phase 2 (Jefferson Highway to Charlotte Drive)</i></p> <p>Jefferson Parish, Louisiana</p> <p>Jefferson Parish Drainage Department 1221 Elmwood Park Boulevard, Suite 904 Jefferson, LA 70123 Mr. Clinton Hotard 504-736-6751 Email: chotard@jeffparish.net</p> <p>KEY PERSONNEL</p> <p>Richard C. Meyer, P.E. David H. Dupre, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E. Kenneth Belou, P.E.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"> Drainage Improvements Utility Conflict Resolution Hydraulic Analysis 	<p>Nature of Firm's Responsibility:</p> <p style="text-align: center;"><i>Design, Bidding & Construction Administration</i></p> <p><i>Meyer Engineers, Ltd. (Meyer)</i> completed the Preliminary Plans for the <i>Midway Drive Drainage Improvements – Phase 2 (Jefferson Highway to Charlotte Drive)</i> project. The project consisted of adding a 42" drain line on Midway Drive in a tight corridor. Meyer verified the location of the existing utilities through topographic surveys, as-built drawings, GIS maps, and utility drawings. Meyer then determined the best location for the new drain line to minimize cost and utility relocations.</p> <p>Also included in Phase 1 was utility conflict boxes, side street drainage, asphalt road replacement, water mains, and water line offsets. Meyer was a subconsultant of Hartman Engineering on this phase. Construction estimate is \$1.6M.</p> <p>Meyer also completed design, bidding, and construction administration on the first phase, Midway Drive Drainage Improvements (Charlotte Drive to Soniat Canal). This project included 2,300 LF of 60" RCPA culvert. Work also included side street drainage improvements, utility relocation and pavement replacement. Construction cost on Phase 1 was \$1.3M.</p> <p>The plans and specifications for both projects were prepared in accordance with Jefferson Parish requirements.</p> <div style="text-align: center;">  <p>MIDWAY DRIVE TYPICAL ROADWAY SECTION APPLIES: STA. 100+70 TO STA. 105+25</p> </div>					
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">09/2020</p>	<p>Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Entire Project:</td> <td style="width: 50%; text-align: center;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center;">\$1.6M</td> <td style="text-align: center;">100% of Preliminary Plans</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$1.6M	100% of Preliminary Plans
Entire Project:	Work for which Firm was Responsible:					
\$1.6M	100% of Preliminary Plans					

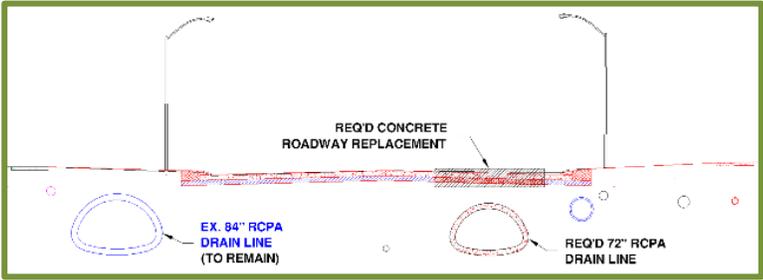
TEC Professional Services Questionnaire

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><i>St. Bernard Master Drainage Plan</i> St. Bernard Parish, Louisiana</p> <p style="text-align: center;">St. Bernard Parish Department of Public Works 1125 E. St. Bernard Highway Chalmette, LA 70043 Mr. Donald Bourgeois 504-278-4315 Email: dbourgeois@sbsp.net</p> <p style="text-align: center;">KEY PERSONNEL</p> <p>Richard C. Meyer, P.E. Donovan Duffy, P.E. Kenneth Belou, P.E. Robert Klare, P.E.</p> <p style="text-align: center;">HIGHLIGHTS</p> <ul style="list-style-type: none"> ✿ Address Repetitive Flood Loss Problems ✿ Watershed Analysis ✿ Computer Modeling ✿ Drainage Computations ✿ Preliminary Project Cost Estimates ✿ Master Drainage Plan Report 	<p><i>Master Drainage Plan</i></p> <p><i>Meyer Engineers, Ltd. (Meyer)</i> prepared the <i>Drainage Master Plan</i> for St. Bernard Parish. The study limits were the Orleans Parish line, Mississippi River Levee, and the Lake Borgne Basin Levee District Back Protection Levees.</p> <p>During the first phase of the project, maps were prepared to identify flood prone areas, repetitive loss areas, and areas which have flooded in the past based on information provided by the Parish Floodplain Administrator. Existing drainage information was compiled for canals, bridges, trestles, utility crossings, culverts and any other structures impeding the canals. Levee, pump station and stage gage data were gathered from Lake Borgne Basin Levee District. (LBBLD) Rain gage data is being collected from the National Weather Service. Investigation of the location and condition of existing drainage features identified as potential problems by the Parish was completed.</p> <p>The second phase of the project included <i>hydraulic modeling</i>. Subdividing the watersheds of the study area, determining reaches, and computing times of concentration was included for analysis. The drainage system was analyzed for existing conditions for the 25 and 100-year storm events. The evaluation addressed the major canals and outfalls. Maximum stage and flow rates were shown for major intersections, major crossings, and other significant locations. The existing computer model results were calibrated against known flood stages or SCADA canal gauges provided by the Parish for a single storm event. The drainage system was analyzed for any planned future development based on the Parish's Land Use Plan as well as recommended improvements and alternatives to major canals and outfalls based on a 25-year storm. The drainage system was also analyzed with planned, future development for 100-year storm event comparing the 100-year storm event stages to the Base Flood Elevation (BFE).</p> <p>During the third phase of the project, a preliminary probable construction cost, prioritized list of recommended projects and a final report were submitted. Preliminary probable construction costs for improvements and alternatives were recommended for a 25-year storm event. Recommended improvements and alternatives were prioritized based on their effectiveness to improve drainage for the 25-year storm event. Code revisions were recommended pertaining to drainage requirements as necessary for residential and commercial developments. Potential funding sources were identified. The final report consisted of presentation of the existing conditions, improved conditions, prioritized list of projects with preliminary construction costs, recommended code revisions and potential funding sources.</p> <p>Currently Meyer is preparing a drainage maintenance contract for on-going construction.</p>	
		
	Estimated Cost:	
Completion Date (Actual or estimated):	Entire Project:	Work for which Firm was Responsible:
12/2019	\$700 (Fee)	100%

TEC Professional Services Questionnaire

PROJECT NO. 10

<p>Project Name, Location and Owner's contact information:</p> <p style="text-align: center;"><i>Oakwood/Terrytown Drainage Improvements</i> Jefferson Parish, Louisiana</p> <p>Jefferson Parish Dept. of Capital Projects 1221 Elmwood Park Boulevard Suite 906 Harahan, LA 70123 Mr. Neil Schneider, Director 504-736-6833 Email: NSchneider@jeffparish.net</p> <p style="text-align: center;">KEY PERSONNEL</p> <p>Richard C. Meyer, P.E. Jitendra C. Shah, P.E. Eric Colwart, P.E. James Ray</p> <p style="text-align: center;">HIGHLIGHTS</p> <ul style="list-style-type: none"> ✿ Subsurface Drainage Improvements ✿ Street Reconstruction ✿ Minimized Traffic Disruption by Phasing Behrman Highway Crossing over two (2) Weekends ✿ Major Utility Relocation 	<p>Nature of Firm's Responsibility: <i>Design, Bidding, Construction Administration & Inspection</i></p> <div style="text-align: center;">  </div> <p><i>Meyer Engineers, Ltd.</i> completed the design of drainage improvements and street reconstruction along Carol Sue Avenue from Oakwood Canal to Algiers Outfall Canal in Terrytown. The scope of work includes the following:</p> <ul style="list-style-type: none"> ✿ Approximately 2,500' long new 72" RCPA drain lines. ✿ Removal and replacement 11,000 SY of 7" thick concrete roadway with rollover curb. The design included re-establishing vertical alignment for proper drainage. ✿ Major utility lines were relocated, and water and sewer line relocation plans were developed. Telephone fiber optical line conflicts were resolved and gas line relocation was coordinated. The utility relocation plans were developed to minimize damage to the fiber optic cable and street light system per Jefferson Parish requirements. Special sequences and details were developed for relocation of telephone fiber optic cables. ✿ Detour plans were developed for traffic routing. Two lanes of traffic were kept open throughout the construction of the project, and special construction sequences were developed as needed. ✿ The outfall at the Algiers Outfall Canal was designed to avoid canal bank erosion issues. <p>A challenge encountered with the project was to minimize the traffic disruption in crossing a major highway (Behrman Highway). This was resolved by requiring the work to be completed over two (2) weekends, which included drain lines, utility relocations, and road replacement. Traffic was detoured through neighborhood streets successfully, and traffic signalization system was restored during this period.</p> <p>Special construction sequences and detour plans were planned and coordinated with DOTD.</p> <div style="text-align: center;">  </div>							
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">05/2015</p>	<p>Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">Entire Project:</td> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center;">\$6M</td> <td></td> <td style="text-align: center;">100%</td> </tr> </table>		Entire Project:		Work for which Firm was Responsible:	\$6M		100%
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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. Parish of Jefferson and LSED	Mickey O'Connor General Contractor, Inc. Gray Insurance, and Meyer Engineers, Ltd.	Resolved and dismissed.
2. Parish of Jefferson and LSED	NY & Associates, Infinity Engineers, Meyer Engineers, Ltd. and General Contractor	Resolved and dismissed.

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

1. PROFESSIONAL TRAINING AND EXPERIENCE

Meyer Engineers, Ltd. (Meyer) has a significant amount of design engineering experience with drainage and flood control projects. Meyer has developed a trusted approach that ensures clients an excellent return and full satisfaction on projects from conceptual design to construction completion. Meyer strives to maintain a level of excellence on deliverables for all its work. Meyer believes that an excellent return on its client's investment is achieved by combining the following key elements of professionalism and success:

- ✦ Effective Project Management skills.
- ✦ Dedication to the timely and satisfactory completion of project goals.
- ✦ Hard work by each member of the project team.
- ✦ Technical expertise utilizing state of the art tools and techniques.
- ✦ Personalized service, realizing the client's particular needs and desires.
- ✦ Fair, affordable rates, assuring the client that the project has been completed on a very cost-effective basis.

Meyer has completed design for a vast array/range of public works projects including Industry Canal, Gardere Canal, Dwyer Road Intake Canal, Whitney-Barataria Pump Station, and the London Avenue Canal Bridges. Design work included civil, structural, environmental, hydraulic, cost engineering, and architecture. Types of design work include pump houses, floodgates, floodwalls (I-walls and T-wall projects), levees and drainage canals, box culverts and roadways, jetties, dolphins, fenders, and bulkheads, and related storage facilities to LADOTD and numerous public sector entities in Southeast Louisiana, including Orleans, Jefferson, Plaquemines, St. Bernard, St. Charles, St. John the Baptist, St. Tammany and Ascension Parishes. Meyer has a long history of providing extensive Construction Management services (including contract document preparation, on-site inspections, submittal management, QA, cost estimating, scheduling, safety and progress monitoring, etc.). Meyer has worked for both FEMA and USACE in post-Katrina recovery efforts, providing QA services on projects requiring debris removal in several Southeast Louisiana Parishes.

2. CAPACITY FOR TIMELY COMPLETION

Currently, Meyer is extremely slow and has staff to immediately begin this project. Meyer is knowledgeable of all the Jefferson Parish contract requirements.

The firm has an excellent record of delivering a quality professional service in a timely manner to its public and private clients. Meyer has never been placed in default for not being in compliance with performance schedules. The firm is cognizant of the total project costs and schedules, including architectural, engineering, property acquisition and construction costs. The firm will consider these important factors in the design of the project. The firm has instituted a quality control program. The firm's current work will not conflict with this project. Personnel are available to manage the project and prepared to begin work immediately.

3. LOCATION OF THE PRINCIPAL OFFICE WHERE WORK WILL BE PERFORMED

Meyer is an Engineering/Architectural firm located in the Metro New Orleans area. Work for this project will be performed at Meyer's office located at: **4937 Hearst Street - Suite 1B, Metairie, Louisiana 70001**. Meyer is located within Jefferson Parish and can be at the project site within ten (10) minutes.

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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. (continued)

4. ADVERSARIAL LEGAL PROCEEDINGS WITH THE PARISH

There is no ongoing litigation between Meyer and Jefferson Parish. There are no adversarial legal proceedings between Meyer and the Parish. The litigation involving the Alario Center Kitchen and Hornet Addition which Meyer was a party has been amicably resolved between the parties and as such dismissed.

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The following references can attest to the quality of work for streets projects of Meyer:

- ✿ Jefferson Parish, Mr. Neil Schneider, Phone: 504-736-6833
- ✿ Jefferson Parish, Mr. Mark Drewes, Phone: 504-736-6500
- ✿ City of Harahan, Mayor Tim Baudier, Phone: 504-737-6383
- ✿ St. Tammany Parish – Mr. Daniel Hill, Phone: 985-898-2552
- ✿ Tangipahoa Parish – Ms. Missy Cowart, Phone: 985-748-3211
- ✿ Town of Jean Lafitte, Mayor Timothy Kerner, Phone: 504-689-7801

6. SIZE OF FIRM

Meyer is an Engineering/Architectural firm located in Metairie, Louisiana. Meyer is a Louisiana registered Engineering and Architectural firm with Richard C. Meyer as President and Chief Executive Officer. Meyer is the continuation of the firm of Hamilton, Meyer and Assoc., Inc. Architect and Engineer. Hamilton, Meyer and Associates was started in 1967 and was dissolved in 1981. Mr. Charles Meyer continued as President of Meyer from 1981 to 1999. Richard C. Meyer was elected President of Meyer in January 2000.

Meyer currently employs twelve (12) Louisiana Licensed Civil Engineers (two (2) with structural experience and all with site planning experience), one (1) Louisiana Licensed Mechanical Engineer, one (1) Engineer Intern, five (5) Licensed Architects, one (1) Intern Architect, one (1) Planner (Urban & Regional), thirty (30) Construction Inspectors, and one (1) CADD Technician. Meyer has equipment and the facilities to complete this project. Our firm's equipment includes approximately thirty (30) computers, two (2) photocopiers, ten (10) printers capable of printing black & white and/or color in various sizes, and two (2) plotters for AutoCAD Drawings. Some of the computer software Meyer owns includes AutoCAD, HydroCAD (drainage design), Microstation, Roadcalc (roadway design), Cybernet (water design) Licenses, Microsoft Word, Corel WordPerfect, and Microsoft Excel. Meyer also has scanning capabilities, and in-house reproduction capabilities. All firm equipment software is available for these projects. Meyer can provide contract drawings in AutoCAD or Microstation format and contract specifications in Microsoft Word or WordPerfect format.

Meyer Project Team

Jitendra C. Shah, P.E., Vice President, is a Principal of the firm and Licensed Engineer with over forty-seven (47) years of experience in civil site design, roads, architectural projects, and construction management. Jitendra C. Shah fulfills the Minimum Personnel Requirement to be a LA Registered Engineer with a minimum of five (5) years' experience. Mr. Shah will perform Quality Control/Peer Review for the project. Mr. Shah is involved with all aspects of administering engineering projects for Meyer Engineers, Ltd. These aspects include client contact, cost estimates, design, quality control, construction administration, and contract closeout, preparation of reports and plans and specifications. Mr. Shah participates in most facets of Civil Engineering design including structural, sanitary and storm sewerage, water, sidewalks, drainage, roads and bridges, and airport designs.

Richard C. Meyer, P.E., President, is Principal of the firm and fulfills the Minimum Personnel Requirement for a Principal to be a LA Registered Professional Civil Engineer. Richard C. Meyer is involved with all aspects of administering engineering projects including client contact, cost estimates, design, quality control, contract administration, and contract closeout. He coordinates the Engineering staff and has participated in most facets of Civil Engineering design including structural, sanitary and storm sewerage, roads and bridges, and airport designs.

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Donovan P. Duffy, P.E., Licensed Engineer has over nine (9) years of experience in civil and structural engineering and construction management. He has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. He assisted with the Town of Pearl River's sewer treatment facility which included the installation of a two-million-gallon-per-day (MGD) sewer treatment plant.

David H. Dupre, P.E., Vice President, is a Principal of the firm and licensed Engineer with over thirty-five (35) years of experience in civil site design, roads, architectural projects, and construction management. He will be the Project Engineer for the project. He is involved with all aspects of administering projects which include client contact, cost estimates, design, quality control, construction administration, and plans and specifications. He participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water, and structural.

7. PAST PERFORMANCE

Meyer has been deeply involved in working with Jefferson Parish on various projects over the past four decades. In addition, Meyer has worked on projects involving representatives from the LADOTD, the FHWA, municipal representatives, government officials with the Federal, State and local level, utilities representatives, contractors, and the general public. The firm is very familiar with Jefferson Parish standard specifications, practices and design requirements, and understands the needs of the Parish and can work within time and budget constraints. Meyer has a record of providing services in a timely manner. Meyer is working with Jefferson Parish on numerous projects including the Edenborn Avenue Drainage Improvements, Oakwood Terrytown Drainage and Rosethorne Sewer among many others.

WHY CHOOSE MEYER?

- ◆ **Responsiveness:** as a professional service firm, we realize that time is money and as such we are very sensitive to the needs of our clients and project deadlines. From the initial proposal stage to project close-out and delivery, Meyer management and staff pride themselves on meeting schedules and responding to client requests.
- ◆ **Reliability:** Meyer has been in business since 1965 and is a second-generation owned firm. As a pillar of the Jefferson Parish business community, Meyer has for decades provided our clients with quality designs for the built environment. Our long-standing reputation as a trusted partner with our clients will remain for future generations.
- ◆ **Resourcefulness:** Applying new processes, methodologies and techniques allows us to take a proactive approach to solving project challenges and deliver your projects better and faster. Our team is constantly searching for new ways to identify funding through grant programs, and the management staff sources the latest technologies and design trends.



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

Signature: 

Print Name: Richard C. Meyer, P.E.

Title: President

Date: March 31, 2022