

**SOQ No. 22-013
Resolution No. 138809
Engineering Services for**

Water

March 31, 2022





March 31, 2022

**Re: SOQ NO. 22-013 Routine Engineering Services for Water Projects
(Resolution No. 138809)**

Mott MacDonald
650 Poydras Street
Suite 2550
New Orleans, LA 70130

Dear Members of the Selection Committee,

Jefferson Parish is a beautiful and growing community with a rich history. We are proud to be a part of this community and to have the opportunity to continue to provide Jefferson Parish with quality engineering services.

Water is the life line of a community and having a partner who is entrusted with the service and quality of this resource is just as important. Mott MacDonald is highly qualified and prepared to provide these services on any project assigned. As a local firm, Mott MacDonald realizes that an important aspect of supporting Jefferson Parish's goals, is ensuring that modern, resilient, and secure water infrastructure is in place by providing uninterrupted quality service and allowing you to focus on what's truly important — the community.

Our proposed Project Director, Many Heymann, PE, along with proposed Project Manager, Austin Kittok, PE will lead our experienced team and serve as Mott MacDonald's point of contact for your projects. Austin has extensive experience providing engineering services to coastal Louisiana and is supported by a number of key engineering professionals and support staff, well versed in all areas of infrastructure.

Jefferson Parish Technical
Evaluation Committee
Parish Clerk
200 Derbigny Street
Suite 6700
Gretna, Louisiana 70053

Mott MacDonald is a global engineering, management, and development consultancy firm with a wealth of experience in a wide variety of projects in southern Louisiana, the US, and across the globe. Innovative solutions, advanced analysis and modeling technology, and concentrated design experience are hallmarks of our engineers. As you will find in our attached statement of qualifications, our team has extensive experience providing professional services for Jefferson Parish, and expertise in providing all types of routine engineering tasks.

We greatly appreciate the opportunity to continue working in partnership with the Jefferson Parish and ask that select Mott MacDonald to deliver this most important contract.

Respectfully submitted,

Handwritten signature of Many Heymann in blue ink.

Many Heymann, PE
Vice President

Handwritten signature of Katie Parker in blue ink.

Katie Parker, PE
Senior Vice President

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:		
SOQ No. 22-011 Routine Engineering Services for Drainage Projects Resolution No. 138811		
B. Firm Name & Address where Project work will be performed:		
M M MOTT MACDONALD		Mott MacDonald, LLC 650 Poydras Street Suite 2550 New Orleans LA 70130
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:		
Many Heymann, PE 650 Poydras Street Suite 2550 New Orleans LA 70130		P: 504.799.0437 E: many.hey mann@mottmac.com LA PE: 35554
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.		
Many Heymann, PE 650 Poydras Street Suite 2550 New Orleans LA 70130		P: 504.799.0437 E: many.hey mann@mottmac.com LA PE: 35554
E. Please provide the number of employees whose primary function corresponds with each category:		
<u>156</u> Administrative	<u>5</u> Estimators	<u>0</u> Specification Writers
<u>26</u> Architects (Licensed)	<u>11</u> Geologist	<u>66</u> Structural Engineers
<u>4</u> Chemical Engineers	<u>47</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>204</u> Civil Engineers	<u>1</u> Interior Designers	<u>114</u> Project Managers
<u>40</u> Construction Inspectors	<u>6</u> Landscape Architects	<u>56</u> Clerical
<u>2</u> Ecologists	<u>22</u> Land Surveyor	<u>80</u> CAD Operators
<u>75</u> Electrical Engineers	<u>53</u> Mechanical Engineers	<u>2</u> Grant Funding Specialist
<u>130</u> Engineer Intern	<u>29</u> Environmental Engineers	<u>8</u> Sanitary Engineers
<u>22</u> Professional Land Surveyors		<u>2149</u> Total
F. Is this submittal by a JOINT-VENTURE? Please check: YES <input type="radio"/> NO <input checked="" type="radio"/>		
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.

N/A

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

Yes ____ No ____

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

Name & Address:	Specialty:	Worked with firm before (Yes or No)

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

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TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Many Heymann, PE - Vice President (Meets minimum qualification 2 &3)

Project Assignment:

Project Prinicipal

Name of Firm with which associated:

Mott MacDonald

Years' experience with this Firm:

With this firm: 19 With other firms: 0

Education: Degree(s)/Year/Specialization:

BS, 2002, Chemical Engineering, University of South Alabama

Active registration: Year first registered/discipline:

LA, Civil, #35554, 2010

Other experience and qualifications relevant to the proposed Project:

Mr. Heymann has been a Civil Engineer since 2002 and is responsible for the design of roadway projects, drainage projects, water distribution projects, sewer system projects, and environmental projects. His experience includes the development of cost estimates, quantity calculations, drainage design, geometric design, erosion control, maintenance-of-traffic, grading plans, preparation of construction documents, and construction management. Mr. Heymann has also provided engineering services for a variety of Civil/Site projects throughout Jefferson Parish.

Selected experience

Water System Pipeline Assessment and Near Term (5-Year) Plan, N-Y Associates, Jefferson Parish, LA: Project Director assisting in the assessment of Jefferson Parish's existing water system to develop and provide a 5-year plan defining critical areas requiring replacement within the Parish's water system. Mott MacDonald is acting as a subconsultant to N-Y Associates, Inc for this project and all work is split 50-50. Mott MacDonald's scope of work consists of evaluating and determining problem areas within the Parish's water system through interviews with Parish workers, GIS records, and existing water models received from the Parish. Once a full assessment has been completed Mott MacDonald will update and develop a prioritized list of probable water main failures which include both transmission and distribution mains. Additional analysis shall be completed to provide Jefferson Parish with rough orders of magnitude associated with the construction cost to replace the assessed mains recommended for replacement and provide a written report documenting the years in which mains should be replaced.

Plaquemines Parish Davant Waterline Replacement, Davant, LA: Project Manager to design a new 12" water line. The work included 7,878 lf of new 12" PVC waterline along with 40 linear feet of 8" PVC waterline. The work included removal of structures, obstructions, asphalt drives, concrete walks and drives. Placement of aggregate surface course, superpave asphaltic concrete drives, turnouts and misc paving, 6" concrete drives, seeding & fertilizer. The waterline included all gate valves, boxes, tapping sleeves, valve assemblies, service lines and hydrants as needed

FEMA Water Line Replacement Program at St. Anthony and Dillard Neighborhoods, Sewerage and Water Board of New Orleans, New Orleans, LA.: Project Manager for professional engineering design services for FEMA-eligible waterline repairs. The project scope of work includes developing preliminary design plans, final plans and specifications, and bid documents for the reconstruction of approximately 30,000 linear feet of damaged water lines. Mott MacDonald is also responsible for providing construction administration services.

Design and Construction of Drainage Improvements to the Bonnabel Canal, Jefferson Parish, LA: Project Manager for engineering support services, including construction of concrete box culverts, concrete flumes, design of two off-system bridge replacements, roadway replacement, and miscellaneous public utilities (water and sewer) from the south end of Veterans Boulevard to West Esplanade Avenue. Additional project elements include surveying, geotechnical, electrical (street lighting), preparation of right-of-way plans, and traffic engineering services. Services were performed in accordance with LaDOTD design standards.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Austin Kittok, PE - Civil Engineer IV
Project Assignment:
Project Manager
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 5 With other firms:0
Education: Degree(s)/Year/Specialization:
BS, Civil Engineering, University of Louisiana at Lafayette, 2016
Active registration: Year first registered/discipline:
2021, Civil, LA, #45850
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Kittok provides engineering support and project management for a range of civil projects for the City of New Orleans Department of Public Works, City of Kenner Department of Public Works, Jefferson Parish, and LADOTD. These projects consist of assessment, survey, design, and/or CA for the construction of gravity stormwater systems, water distribution systems, and roadways. Mr. Kittok is experienced in the development of cost estimates, quantity calculations, drainage design, stormwater management plans, geometric design, erosion control, maintenance-of-traffic, preparation of specifications, and construction inspection.</p>
Selected experience
<p>Water System Pipeline Assessment and Near Term (5-Year) Plan, N-Y Associates, Jefferson Parish, LA: Project Engineer assisting in the assessment of Jefferson Parish's existing water system to develop and provide a 5-year plan defining critical areas requiring replacement within the Parish's water system. Mott MacDonald is acting as a subconsultant to N-Y Associates, Inc for this project and all work is split 50-50. Mott MacDonald's scope of work consists of evaluating and determining problem areas within the Parish's water system through interviews with Parish workers, GIS records, and existing water models received from the Parish. Once a full assessment has been completed Mott MacDonald will update and develop a prioritized list of probable water main failures which include both transmission and distribution mains. Additional analysis shall be completed to provide Jefferson Parish with rough orders of magnitude associated with the construction cost to replace the assessed mains recommended for replacement and provide a written report documenting the years in which mains should be replaced.</p>
<p>Bourbon Street Rehabilitation Phase I (Canal Street to St. Louis Street), City of New Orleans, New Orleans, LA: Engineering Intern provided plan review services for the reconstruction of Bourbon Street surface and subsurface infrastructure from Canal Street to St. Louis Street as part of the City-wide Public Safety Program. Mott MacDonald coordinated and sequenced construction of the design build after engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, residents, business owners, utilities, and contractors.</p>
<p>Bourbon Street Rehabilitation Phase II (St. Louis Street to Dumaine Street), City of New Orleans, New Orleans, LA: Engineering Intern, providing project management and plan development services for the full reconstruction of Bourbon Street surface and subsurface infrastructure from St. Louis to Dumaine Street as part of the City-wide Public Safety Program. Mott MacDonald coordinated and sequenced construction after engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, residents, business owners, utilities, and contractors and lesson learned during Bourbon Street Phase I.</p>
<p>St. Ann Street Rehabilitation (Bourbon Street to Dauphine Street), City of New Orleans, New Orleans, LA: Engineering Intern, providing project management and plan development services for the full reconstruction of St. Ann Street surface and subsurface infrastructure from Bourbon Street to Dauphine Street. MacDonald coordinated the accelerated design as a result of the existing sewer system being in poor condition causing large subsurface voids beneath the existing roadway. The sequence of construction was also developed while engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, residents, business owners, utilities, and contractors and lesson learned during Bourbon Street Phase I/II.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Elizabeth Guiza, PE - Principal Engineer (Meets minimum qualification 1)
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 11 With other firms:0
Education: Degree(s)/Year/Specialization:
BS, 2010, Civil Engineering, University of Mississippi
Active registration: Year first registered/discipline:
2015, Civil, LA, #39531
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Guiza provides engineering support for a range of projects including civil/site developments, gravity stormwater systems, water systems, sewer systems, roadway construction, vehicular tunnel inspection and rehabilitation. Ms. Guiza is experienced in the development of cost estimates, quantity calculations, drainage design, retention pond design, stormwater management plans, geometric design, erosion control, canal bank stabilization, maintenance-of-traffic, preparation of specifications, project management and construction management.</p>
Selected experience
<p>Jefferson Parish - Iris Avenue Waterline Replacement from River Road to Jefferson Highway, Jefferson Parish, LA: Engineering Intern for design services for the replacement of 3,500 feet of 12" PVC-C-900 waterline and associated street repairs. Mott MacDonald's responsibilities include horizontal and vertical layout of waterlines, providing an opinion of probable and construction administration.</p>
<p>New Orleans Sewerage and Water Board - FEMA Waterline Rehabilitation Design at St. Anthony and Dillard Neighborhoods, New Orleans, LA: Project Engineer. The project scope includes developing preliminary design plans, final plans and specifications, bid documents, and construction administration for the design of 30,000LF of 8" and 12" waterlines in New Orleans. Mott MacDonald's responsibilities include horizontal and vertical layout of waterlines, providing an opinion of probable cost and construction administration.</p>
<p>New Orleans Sewerage and Water Board - FEMA Waterline and Sewer line Rehabilitation Resident Inspection, New Orleans, LA: Project Manager. Project scope includes providing resident inspection of the construction of 25,000LF of waterlines and 6,000LF of sewer lines in New Orleans as part of the JIRR projects. Engineering services are designed by others for multiple projects throughout New Orleans.</p>
<p>Bourbon Street Rehabilitation Phase I (Canal Street to St. Louis Street), City of New Orleans, New Orleans, LA: Project Engineer. Mott MacDonald provided professional design services to reconstruct 4 blocks of Bourbon St (Canal Street to St. Louis Street) in the historic French Quarter as part of the City-wide Public Safety Program. Many of the existing utilities are well over 100 years old, the work for this project includes upsizing the existing drain lines, replacing the existing water lines, repairing the existing sewer lines, and improving the existing low-pressure gas lines, replacing the existing underground electrical conduits, replacing the existing pavement and providing movable traffic bollards. Additionally, Mott MacDonald coordinated with utility owners and provided countless field engineering designs to work around the unpredictable subsurface conditions.</p>
<p>Bourbon Street Rehabilitation Phase II (St. Louis Street to Dumaine Street), City of New Orleans, New Orleans, LA: Project Engineer, Mott MacDonald provided professional design services to reconstruct of 4 blocks of Bourbon Street (St. Louis to Dumaine Street) surface and subsurface infrastructure as part of the City-wide Public Safety Program. Utilizing lessons learned from Phase I, Mott MacDonald gathered existing subsurface data with exploratory excavations, coordinated and sequenced construction after engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, residents, business owners, utility owners, and contractors.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lila Lasecki - Senior Project Manager
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 6 With other firms:0
Education: Degree(s)/Year/Specialization:
BS, Civil Engineering, The University of Alabama, 2015
Active registration: Year first registered/discipline:
2019, Civil, LA, #44145
Other experience and qualifications relevant to the proposed Project:
<p>Lila Lasecki joined Mott MacDonald in 2015 with a specialization in stormwater management and construction engineering. She is skilled in site design using Civil 3D and other, similar software. She has completed trainings in Applied Fluvial Geomorphology and River Morphology and Applications. Ms. Lasecki was the founding Chairwoman of the American Society of Civil Engineers Younger Member Group in Mobile, Alabama.</p>
Selected experience
<p>Waterline Replacement Program, New Orleans, LA. (SWB) Assisting with civil design and PM on some of the sub projects. Helped provide the client with analysis of alternative construction methods for Dillard Group B.</p>
<p>Bourbon Street Reconstruction (Phases 1 and 2), New Orleans, LA: Project Engineer, providing plan design and review services for the repair of Bourbon Street surface and underground infrastructure from Canal Street to Dumaine Street as part of the City-wide Public Safety Program. Mott MacDonald coordinated and sequenced construction after engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, residents, business owners, utilities, and contractors.</p>
<p>RR069 Lake Terrace and Oaks Group A (PCI), New Orleans, LA: Project Engineer for the design and surveying services for FEMA-eligible street repairs in the Lake Terrace and Lake Oaks neighborhoods. Mott MacDonald conducted detailed field surveys to identify locations and extents of damage that has occurred as a result of natural disasters. Mott MacDonald is responsible for providing data regarding features to be reconstructed in order to obtain FEMA funds. The project scope of work includes conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents reconstruction of damaged roadways, curbs, utilities, and driveways. Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>
<p>New Orleans Sewerage and Water Board - FEMA Waterline Rehabilitation Design at St. Anthony and Dillard Neighborhoods, New Orleans, LA: Project Engineer. The project scope includes developing preliminary design plans, final plans and specifications, bid documents, and construction administration for the design of 30,000LF of 8" and 12" waterlines in New Orleans. Mott MacDonald's responsibilities include horizontal and vertical layout of waterlines, providing an opinion of probable cost and construction administration.</p>
<p>Loyola Drive at I-10 Interchange Improvements, Kenner, LA: Project Engineer providing roadway and utility plan reviews for the Design Build project that will widen a portion of I-10 between Loyola Drive and Williams Boulevard, elevated ramps to and from Loyola Drive, and improvements to Loyola Drive to enhance operational conditions and increase the capacity of this interchange accommodating future traffic demand in the area and ingress and egress for airline passenger traffic to the new Louis Armstrong New Orleans International Airport terminal.</p>
<p>Little Farms Avenue Rehabilitation, Jefferson Parish, LA: Project Engineer providing design support for the improvement of Little Farms Avenue from Stewart Avenue to Airline Drive. Mott MacDonald is responsible for the coordination between the Parish, the LADOTD, Canadian National Railway, private utility owners, and contractors.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bailey Favaloro, EI - Civil Engineer II
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 2 With other firms: 1
Education: Degree(s)/Year/Specialization:
BS, Civil Engineering, Louisiana State University, 2019
Active registration: Year first registered/discipline:
2019, Civil, LA, #34250(EI)
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Favaloro has experience providing engineering support for a range of projects including civil/site developments, gravity stormwater systems, and roadway construction. Ms. Favaloro is experienced in the development of cost estimates, quantity calculations, drainage design, stormwater management plans, geometric design, erosion control, maintenance-of-traffic, preparation of specifications, and construction inspection. Ms. Favaloro is an Autodesk Certified Professional in Civil 3D for Infrastructure Design and has completed the ATSSA Traffic Control Supervisor, Technician and Flagger Work Zone Training Program.</p>
Selected experience
<p>Bourbon Street Reconstruction (Phase 2), New Orleans, LA: Engineer Intern provided CA review assistance for the full reconstruction of Bourbon Street surface and subsurface infrastructure from St. Louis to Dumaine Street as part of the City-wide Public Safety Program. Mott MacDonald coordinated and sequenced construction after engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, residents, business owners, utilities, and contractors and lessons learned during Bourbon Street Phase I.</p>
<p>RR069 Lake Terrace and Oaks Group A (PCI), New Orleans, LA: Engineer Intern providing CA review assistance for FEMA-eligible street repairs in the Lake Terrace and Lake Oaks neighborhoods. Mott MacDonald conducted detailed field surveys to identify locations and extents of damage that has occurred as a result of natural disasters. Mott MacDonald is responsible for providing data regarding features to be reconstructed in order to obtain FEMA funds. The project scope of work includes conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents for the full reconstruction of damaged roadways, curbs, utilities, and driveways. Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>
<p>RR072 - Lake Terrace and Oaks Group D (FRC), New Orleans, LA: Engineer Intern providing CA review assistance for FEMA-eligible street repairs in the Lake Oaks neighborhood. The project scope of work includes conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents for the full reconstruction of all subsurface utilities located on Oriole Street, Killdeer Street, and Jay Street. Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>
<p>New Orleans Sewerage and Water Board - FEMA Waterline Rehabilitation Design at St. Anthony and Dillard Neighborhoods, New Orleans, LA: Engineer Intern. The project scope includes developing preliminary design plans, final plans and specifications, bid documents, and construction administration for the design of 30,000LF of 8" and 12" waterlines in New Orleans. Mott MacDonald's responsibilities include horizontal and vertical layout of waterlines, providing an opinion of probable cost and construction administration.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Conner Wick, EI - Civil Engineer I
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 1 With other firms: 0
Education: Degree(s)/Year/Specialization:
BS, Civil Engineering, Louisiana State University, 2020
Active registration: Year first registered/discipline:
2021, Civil, LA, #34873(EI)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Wick has experience providing engineering support for a range of projects including civil/site developments, gravity stormwater systems, and roadway construction. Mr. Wick is experienced in the development of cost estimates, quantity calculations, drainage design, stormwater management plans, geometric design, erosion control, maintenance-of-traffic, preparation of specifications, and construction inspection. Mr. Wick has completed the ATSSA Traffic Control Supervisor, Technician and Flagger Work Zone Training Program.</p>
Selected experience
<p>New Orleans Sewerage and Water Board - FEMA Waterline Rehabilitation Design at St. Anthony and Dillard Neighborhoods, New Orleans, LA: Engineer Intern. The project scope includes developing preliminary design plans, final plans and specifications, bid documents, and construction administration for the design of 30,000LF of 8" and 12" waterlines in New Orleans. Mott MacDonald's responsibilities include horizontal and vertical layout of waterlines, providing an opinion of probable cost and construction administration.</p>
<p>New Orleans Sewerage and Water Board - FEMA Waterline Rehabilitation at St. Anthony and Dillard Neighborhoods, New Orleans, LA: Engineer Intern providing surveying and engineering services for the development of preliminary design plans, final plans and specifications, bid documents, and construction administration for the design of 30,000 LF of waterlines in New Orleans.</p>
<p>Lake Terrace and Lake Oaks (Group B), City of New Orleans, New Orleans, LA: Engineer Intern assisting in design and surveying services for FEMA-eligible street rehabilitation in the Lake Terrace neighborhood. The project scope of work includes conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents for the full reconstruction of all subsurface utilities located in nine (9) neighborhood blocks. Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>
<p>Lake Terrace and Lake Oaks (Group D), City of New Orleans, New Orleans, LA: Engineer Intern providing CA assistance for FEMA-eligible street repairs in the Lake Oaks neighborhood. The project scope of work includes conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents for the full reconstruction of all subsurface utilities located on Oriole Street, Killdeer Street, and Jay Street. Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>
<p>West End (Group E), City of New Orleans, New Orleans, LA: Engineer Intern assisting in design services for FEMA-eligible street repairs in the West End neighborhood. The project scope of work includes conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents for the full reconstruction of all subsurface utilities located on Bellaire Drive (NO Hammond Hwy – 32nd Street). Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mark A. Tompeck PE, DBIA - Water Practice Leader
Project Assignment:
Water Practice Leader
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 43 With other firms: 0
Education: Degree(s)/Year/Specialization:
MS, Civil Engineering, New Jersey Institute of Technology, 1981 BS, Civil Engineering, New Jersey Institute of Technology, 1979
Active registration: Year first registered/discipline:
1983, Civil, NJ, #24GE02866100
Other experience and qualifications relevant to the proposed Project:
Mr. Tompeck will serve as Mott MacDonald's Water Practice Leader for the Jefferson Parish routine Engineering-Water project. During his 43-year career, Mr. Tompeck has developed a broad range of engineering experience throughout the area of water supply and treatment. As Mott MacDonald's National Water Practice Leader, Mr. Tompeck has extensive experience with feasibility studies, design, preparation of contract plans and specifications, and construction supervision for projects including treatment facilities, wells, pipelines, pumping facilities, and storage tanks. Mr. Tompeck also has extensive general civil and municipal engineering experience, including drainage designs, water and sewer system designs, roadway designs, and building designs. He has served as Project Manager on a wide variety of projects involving the design and construction of treatment plants, pumping stations, chemical storage/feed facilities, water and sewer pipelines, storage tanks, and wells. He has provided project management for large and small projects (ranging in size from \$500,000 to \$67 million) involving both new construction and rehabilitation of existing facilities, completing them on time and within budget
Selected experience
Water Treatment Plant Upgrade, City of New Brunswick, Middlesex County, NJ: Project Engineer for the study, design, and construction administration for a variety of improvements to the 20 MGD conventional water treatment plant. Improvements have included the addition of a rapid mix facility for improvements for chemical mixing, replacement of underdrains/media and the addition of air scour for the gravity filters, conversion of an abandoned sedimentation basin to a chlorine contact tank for required plant CT, and the evaluation of options for replacement of the plant pressure filtration system. Served as Project Manager for the construction of a new immersed membrane system with an ultimate capacity of 24 MGD.
Membrane Filtration facility, The City of New Brunswick, Trenton, NJ: Project Engineer providing evaluation of alternatives for replacement of the pressure filters, as well as to increase plant capacity. Mott MacDonald recommended a membrane filtration, facility which would initially have capacity to replace the pressure filters, with incremental expansion capabilities to replace the gravity filters, and/or increase total plant capacity to as much as 24 MGD. Mott MacDonald was then engaged to prepare the detailed design. The design phase commenced with pilot testing of alternative membrane systems, leading to selection of an immersed membrane system. The design included three membrane trains providing an initial capacity of 8 MGD, with provisions to expand to 12 MGD by adding membrane modules to the tanks. The membrane plant is designed to accommodate the addition of three more trains to allow an ultimate capacity of 24 MGD.
Residuals Treatment Facility, Pequannock Water Treatment Plant, West Milford, NJ: Project Engineer for the design of a long-term solution for residuals disposal, the City of Newark plans to construct a Residuals Treatment Facility (RTF) at the existing Pequannock Water Treatment Plant (WTP). The Pequannock WTP is a direct filtration plant that currently has a maximum reliable capacity of 45 MGD. Residuals generated at the plant are pumped to a sludge lagoon located approximately 2 miles away, adjacent to the Charlotteburg Reservoir. The proposed RTF will include two main components: 1) Sludge thickening and 2) mechanical dewatering. A centrifuge was selected as the mechanical dewatering equipment.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Amir Zafar, PE - Principal Project Manager
Project Assignment:
Water Civil Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 22 With other firms: 2
Education: Degree(s)/Year/Specialization:
MBA, Mississippi State University, 2010 MS, Chemical Engineering Concentration in Process Design and Environmental Engineering, University of South Alabama, 1998 BS, Chemical Engineering University of South Alabama, 1996
Active registration: Year first registered/discipline:
2017, Civil, FL, #56829
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Zafar has experience in detailed industrial and municipal water and wastewater treatment facilities design, pump station, sewer collection system, inflow and infiltration analysis, water distribution system, booster pump station, solid waste management and recycling, stream water quality analysis, regulatory permitting, facility startup, analytical testing, effluent reuse, project funding, and odor control.</p> <p>Selected experience</p> <p>Potable Water Distribution System Assessment, Jefferson Parish, LA: Principal Engineer responsible for the review and preparation of a water strategic plan for Jefferson Parish, Louisiana. Work included assisting in the assessment of Jefferson Parish's existing water distribution and transmission system to develop and provide a 5-year plan defining critical areas requiring replacement within the Parish's water system. Mott MacDonald's scope of work consists of evaluating and determining problem areas within the Parish's water system through interviews with Parish workers, GIS records, and existing water models received from the Parish. The assessment included spatial risk analysis, such that a prioritized list of probable water main failures (both transmission and distribution) could be developed. The prioritized list of repairs and replacements total approximately \$125 million over 5-years and conforms to the planned annual capital spending budget of the Parish.</p> <p>Potable Water Strategic Plan, City of Kenner, Kenner, LA: Project principal responsible for the water strategic plan for the City of Kenner's existing water system. Mott MacDonald's scope of work consists of analyzing the City of Kenner's existing water system and providing goals, needs and methodology for upgrades to the City's existing water system by working with the City of Kenner to fully understand their current needs and what will be needed in the future.</p> <p>Oxidation Pond, St. Charles Parish, LA: Project principal responsible for oversight and Civil design for the oxidation pond located in St. Charles Parish, La. The project scope includes aiding the client in identifying and describing the major components of a new oxidation pond facility, providing preliminary civil site planning and design, developing construction documents, and providing input and assistance with a study document for the new facilities. Primary duties include devising a viable treatment process scenario using an oxidation lagoon to satisfy project parameters and develop a concept report. This includes studying topographical data, identifying major components of the new facility, preparing a preliminary site plan, providing order of magnitude construction costs, providing support regarding operation and control strategies, providing input and assistance with the study components, and providing QA/QC services related to the process design concept.</p> <p>Wastewater Facilities Plan, Town of Havana, FL: Produced a planning document to be used to secure approximately \$2 million dollars of SRF funding for the Town of Havana's wastewater conveyance and treatment system. The document explicitly evaluated several alternatives to rehabilitate or replace several lift stations that were releasing untreated sewage (SSOs) into the environment. The study included preliminary engineering, scheduling, and detailed cost estimates.</p> <p>Wastewater Effluent Disposal, City of Chipley, Chipley, FL: Assisted with preparing both feasibility and preliminary engineering reports to both State and Federal funding and permitting agencies for a \$10 million dollar effluent disposal project. Provided civil design support for the design, cost estimating, permitting, bidding, and construction services of a 1.2 MGD treated effluent land disposal scheme. The project included a 12-mile+/- long, 14-inch forcemain, an intermediate 1,200-GPM vertical turbine pump station, and a sprayfield. Primary duties within the project include the design of the 200-acre+/- sprayfield, a 5 million-gallon+/- effluent holding pond, and a triplex, 1,240-GPM.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Douglas Brown, PE - Civil Engineer IV

Project Assignment:

Water Civil Engineer

Name of Firm with which associated:

Mott MacDonald

Years' experience with this Firm:

With this firm: 3 With other firms: 1

Education: Degree(s)/Year/Specialization:

MS, Civil Engineering, Florida State University, 2018
BS, Civil Engineering, Florida State University, 2016

Active registration: Year first registered/discipline:

2017, Civil, FL, #92723

Other experience and qualifications relevant to the proposed Project:

Mr. Brown specializes in the planning, design, and construction of engineering projects as a civil engineering water resource engineer. Skilled in an array of software, including ArcGIS products, Bentley water modeling software, ICPR, and the Autodesk suite. Mr. Brown is a dedicated engineering professional with a master's degree focused in Civil & Environmental Engineering from Florida State University. Prior to pursuing civil engineering, Mr. Brown worked for several years as a residential and commercial electrician within the Florida Panhandle.

Selected experience

Potable Water Distribution System Assessment, Jefferson Parish, LA: Principal Engineer responsible for the review and preparation of a water strategic plan for Jefferson Parish, Louisiana. Work included assisting in the assessment of Jefferson Parish's existing water distribution and transmission system to develop and provide a 5-year plan defining critical areas requiring replacement within the Parish's water system. Mott MacDonald's scope of work consists of evaluating and determining problem areas within the Parish's water system through interviews with Parish workers, GIS records, and existing water models received from the Parish. The assessment included spatial risk analysis, such that a prioritized list of probable water main failures (both transmission and distribution) could be developed. The prioritized list of repairs and replacements total approximately \$125 million over 5-years and conforms to the planned annual capital spending budget of the Parish.

Potable Water Strategic Plan, City of Kenner, Kenner, LA: Project principal responsible for the water strategic plan for the City of Kenner's existing water system. Mott MacDonald's scope of work consists of analyzing the City of Kenner's existing water system and providing goals, needs and methodology for upgrades to the City's existing water system by working with the City of Kenner to fully understand their current needs and what will be needed in the future. **Oxidation Pond, St. Charles Parish, LA:** Project Engineer Performed Civil Design for the oxidation pond located in St. Charles Parish, LA. The project scope includes aiding the client in identifying and describing the major components of a new oxidation pond facility, providing preliminary civil site planning and design, developing construction documents, and providing input and assistance with a study document for the new facilities.

Panama City Combined Water/Wastewater Planning Document, City of Panama City, FL: Provided a comprehensive planning document which included several infrastructure elements into a holistic post Hurricane Michael recovery plan for the City of Panama City. Elements included wastewater treatment facilities, wastewater collection and conveyance systems, drinking water distribution, storm water, and transportation (roadway) items. The planning document identified approximately \$300 million dollars in required infrastructure work and has to date been used to successfully acquire over \$125 million dollars in low cost loan and grant funding.

Wastewater Effluent Disposal, City of Chipley, Chipley, FL: Assisted with preparing both feasibility and preliminary engineering reports to both State and Federal funding and permitting agencies for a \$10 million dollar effluent disposal project. Provided civil design support for the design, cost estimating, permitting, bidding, and construction services of a 1.2 MGD treated effluent land disposal scheme. The project included a 12-mile+/- long, 14-inch forcemain, an intermediate 1,200-GPM vertical turbine pump station, and a sprayfield. Primary duties within the project include the design of the 200-acre+/- sprayfield, a 5 million-gallon+/- effluent holding pond, and a triplex, 1,240-GPM, vertical turbine sprayfield pump station.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Billy Perry, PE, SI - Senior Vice President
Project Assignment:
Water QA/QC
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 21 With other firms: 18
Education: Degree(s)/Year/Specialization:
BS, Civil Engineering, Auburn University, 1982
Active registration: Year first registered/discipline:
FL #40552, 1988 (Civil) and AL #16701, 1988 (Civil)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Perry serves as a Water Practice Leader whose primary duties include project management of a multi-disciplined team on various engineering and environmental projects for local, state, and federal clients. His experience includes civil/site, stormwater, water and wastewater treatment, collection and transmission, port and airport facilities, building systems and facilities assessment, fuel storage systems, environmental assessments and various private projects. Mr. Perry has considerable structural experience in building systems, hydraulic structures and port facilities and often serves as lead structural engineer in addition to project management duties. Mr. Perry often serves as the client contact for several governmental clients where he serves as the "liaison" between our company and the client.</p>
Selected experience
<p>Potable Water Distribution System Assessment, Jefferson Parish, LA: Principal Engineer responsible for the review and preparation of a water strategic plan for Jefferson Parish, Louisiana. Work included assisting in the assessment of Jefferson Parish's existing water distribution and transmission system to develop and provide a 5-year plan defining critical areas requiring replacement within the Parish's water system. Mott MacDonald's scope of work consists of evaluating and determining problem areas within the Parish's water system through interviews with Parish workers, GIS records, and existing water models received from the Parish. The assessment included spatial risk analysis, such that a prioritized list of probable water main failures (both transmission and distribution) could be developed. The prioritized list of repairs and replacements total approximately \$125 million over 5-years and conforms to the planned annual capital spending budget of the Parish.</p>
<p>Potable Water Strategic Plan, City of Kenner, Kenner, LA: Project principal responsible for the water strategic plan for the City of Kenner's existing water system. Mott MacDonald's scope of work consists of analyzing the City of Kenner's existing water system and providing goals, needs and methodology for upgrades to the City's existing water system by working with the City of Kenner to fully understand their current needs and what will be needed in the future.</p>
<p>Oxidation Pond, St. Charles Parish, LA: Project Engineer Performed Civil Design for the oxidation pond located in St. Charles Parish, LA. The project scope includes aiding the client in identifying and describing the major components of a new oxidation pond facility, providing preliminary civil site planning and design, developing construction documents, and providing input and assistance with a study document for the new facilities.</p>
<p>Oxidation Pond, St. Charles Parish, LA: QA/QC. Performed Design review for the oxidation pond located in St. Charles Parish, LA. The project scope includes aiding the client in identifying and describing the major components of a new oxidation pond facility, providing preliminary civil site planning and design, developing construction documents, and providing input and assistance with a study document for the new facilities.</p>
<p>City of Lake City WWTF – 3.0 MGD New Plant, Lake City, FL: QA/QC responsible for overseeing and checking the design, specifications and cost estimate to construct a new 3.0 MGD AWT. The project includes headworks, Stage 5 Bardenpho- biological treatment units, final clarification, UV disinfection, RAS-WAS pumping Stations, digesters, effluent pump station and restricted access public reuse facility. Mr. Perry Provided quality control for structural design.</p>
<p>City of Bonifay, WWTF Upgrade, Bonifay, FL: QA/QC responsible for overseeing and checking the design, specifications, and cost estimate to add new 3.4 MGD headworks, 3.4 MGD influent pump station, 4.0 MGD Effluent disk filter, Sludge and Operations building. Mr. Perry Provided quality control and oversight for structural design and cost.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jason Garz, PE, BCEE - Principal Project Manager
Project Assignment:
Water Civil Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 17 With other firms: 10
Education: Degree(s)/Year/Specialization:
MCE, Civil Engineering, Auburn University, 1994 BCE, Civil Engineering, Auburn University, 1993
Active registration: Year first registered/discipline:
2014, LA, #39118 (Civil)
Other experience and qualifications relevant to the proposed Project:
Mr. Garz joined Mott MacDonald in April 2005 and serves as a Senior Project Manager in our water and wastewater division. Mr. Garz has 27 years of experience in the analysis, design and permitting of water, wastewater and stormwater projects.
Selected experience
Water System Hydraulic Model Update and Recalibration, District of Columbia Water and Sewer Authority (DC Water), Washington, DC: Hydraulic modeling support and QA/QC review for updates to the existing water model to better reflect current conditions with respect to demands and operational conditions. The scope of work includes pressure monitoring, fire flow tests, review of available SCADA data, customer meter data analysis, pump performance review, and development of diurnal demand patterns by property type.
Anacostia 2nd High Pressure Zone Commissioning, District of Columbia Water and Sewer Authority (DC Water), Washington, DC: Program Manager for commissioning of a new pressure zone in the distribution system. Commissioning of the new zone is the final step in the 20-year planning process, which included nearly \$100M in Capital Improvement Plan (CIP) projects required to implement a ninth pressure zone for approximately 6,000 customers
Pump Station #1 Force Main and Reclaimed Water Main, City of Fort Walton Beach, FL: Served as project manager for project involving the design of approximately five miles of 20-inch and 36-inch force main as well as approximately one mile of 6-inch and 10-inch reclaimed water main. The project included a 700-ft open cut crossing of Cinco Bayou, highway jack and bores and horizontal directional drills. Project also included SRF loan documentation and permitting through Florida Department of Environmental Protection, Army Corps of Engineers, United States Coast Guard, Florida Department of Transportation and Okaloosa County Public Works.
Facility Plan for Central Water Reclamation Facility, ECUA, Pensacola, FL: Project Engineer for a new facility Plan for the replacement of the 20 MGD Main Street Wastewater Treatment Plant. Completed analysis and hydraulic model of the raw sewage transmission system and reclaimed water distribution system, reviewed sites for new regional lift stations, identified existing lift stations to be upgraded, evaluated and established proposed sewage transmission main routes, prepared cost estimates for alternatives analysis. Established design conditions for new master lift stations and existing ECUA lift stations to be upgraded.
Engineering Program Management Consultant (EPMC-2E) Contract, District of Columbia Water and Sewer Authority (DC Water), Washington, DC: Program Manager Officer (PMO) for the 10-year \$700 million Capital Improvement Program (CIP) for upgrading the water system. Responsibilities include program quality plan implementation, enforcement and audits, task order quality plan coordination, assistance with 10-year CIP updates and regular Primavera P6 schedule updates, invoicing, project reporting, project controls, and hydraulic modeling assistance and review.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Andrew Gibbs, PE - Senior Project Manager
Project Assignment:
Electrical Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 13 With other firms: 1
Education: Degree(s)/Year/Specialization:
BS, Electrical Engineering, University of South Florida, 2008
Active registration: Year first registered/discipline:
LA, #456164, 2014; AL, #33994, 2013 (Electrical)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Gibbs is a Senior Project Manager and Deputy Practice Leader for Mott MacDonald's Electrical Engineering and Instrumentation, Controls & Automation (ICA) group. His broad range of technical experience includes: medium and low voltage power distribution, overcurrent protective device coordination studies, short circuit analysis, load flows, arc flash hazard analysis, interior, exterior area, and roadway lighting, generator paralleling, power factor correction, grounding and lightning protection systems, industrial control systems and networks, SCADA, instrumentation systems, access security systems, airfield visual and navigational aids (aeronautical ground lighting), and electrical inspection. This technical experience has been in the aviation, highways, pipelines, ports and harbors, stormwater, tunnels, water, and wastewater sectors across North America.</p> <p>Selected experience</p> <p>Sewer Extension Highway 69, Town of Grand Ridge, Grand Ridge, FL: Engineer of Record for the design of a new sanitary sewer pump station. The pump station was a 10.2 HP duplex pump station with provisions for standby power. The pump station was designed in accordance with rules of the Florida DEP.</p> <p>Sanitary Sewer Phase 1, City of Midway, Midway, FL: Electrical Engineer of Record for the design of a new sanitary sewer pump station and flow meter site. The pump station was a 7.5 HP duplex pump station with permanently installed standby power and remote monitoring.</p> <p>Arc Flash Hazard Analysis for the S. Palmer Gaillard Pump Station, Mobile Area Water and Sewer Service, Mobile, AL: Electrical Engineer of Record and Project Manager for updates to an arc flash analysis at a raw water pumping facility. The analysis included the updates to the evaluation based on NFPA 70E-2015</p> <p>Arc Flash Hazard Analysis for the Eslava Creek Pump Station, Mobile Area Water and Sewer Service, Mobile, AL: Electrical Engineer of Record and Project Manager for updates to an arc flash analysis at a wastewater pumping facility. The analysis included the updates to the evaluation based on NFPA 70E-2015</p> <p>Arc Flash Hazard Analysis for the Perch Creek Pump Station, Mobile Area Water and Sewer Service, Mobile, AL: Electrical Engineer of Record and Project Manager for updates to an arc flash analysis at a wastewater pumping facility. The analysis included the updates to the evaluation based on NFPA 70E-2015</p> <p>Arc Flash Hazard Analysis for the Faye Lane Creek Pump Station, Mobile Area Water and Sewer Service, Mobile, AL: Electrical Engineer of Record and Project Manager for updates to an arc flash analysis at a wastewater pumping facility. The analysis included the updates to the evaluation based on NFPA 70E-2015</p> <p>Virginia St Pump Station Electrical Rehabilitation, MAWSS, Mobile, AL: Electrical Engineer for electrical rehabilitations to a wastewater pump station. The design included relocating the 1200A service equipment, motor control center, and control system to a new elevating building to prevent damage from sewer gasses and flood waters.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Civardi, PE - Senior Project Manager
Project Assignment:
Water Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 24 With other firms: 12
Education: Degree(s)/Year/Specialization:
ME, Environmental Engineering, Stevens Institute of Technology, 1988 BE, Civil Engineering, Stevens Institute of Technology, 1986
Active registration: Year first registered/discipline:
NJ #24GE03613000, 1991
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Civardi has a wide range of experience in water treatment, serving as Project Engineer or Project Manager for numerous surface water and groundwater treatment projects. Mr. Civardi has been responsible for the pilot testing, evaluation, design, and construction of water treatment systems throughout New Jersey and New York.</p> <p>Selected experience</p> <p>Shenango Water Treatment Plant Treatability Study and Pilot Testing, Aqua Pennsylvania, Sharon, PA: Project Manager for a treatability study and pilot for upgrading the 16 MGD surface water plant activities included evaluation of treatment technologies, including dissolved air flotation (DAF) and ozone. Managed a pilot testing program involving DAF, filtration, and chlorine dioxide. The treatability study recommended upgrading the plant to DAF.</p> <p>Little Falls Water Treatment Plant Upgrade, Passaic Valley Water Commission, Passaic County, NJ: Lead Project Engineer in the evaluation and design of the 120 MGD upgrade to the water treatment plant. Participated in the evaluation of alternative treatment technologies in Actiflo and dissolved air flotation (DAF) to replace the conventional but under capacity sedimentation basins. Also responsible for the evaluation of the residuals and chemical handling facilities. During the design phase, responsible for the chemical systems which included storage of 100,000 gallons of ferric chloride and feed rates of up to 800 gallons per hour, along with dry polymer and sulfuric acid systems. Coordinated the various engineering disciplines including instrumentation, structural, architectural, and plumbing.</p> <p>Sacramento Area Comprehensive Planning Studies, California American Water (CAW), Sacramento County, CA: Provided assistance with the water quality evaluation and treatability evaluation portions of the overall Comprehensive Planning Study (CPS). The CPS is aimed at determining the required capital investment in the system for a period of up to 15 years.</p> <p>Sonoma Area Comprehensive Planning Studies, California American Water (CAW), Sonoma County, CA: Provided assistance for the water quality evaluation and treatability evaluation portions of the overall Comprehensive Planning Study (CPS). The CPS is aimed at determining the required capital investment in the system for a period of up to 15 years.</p> <p>Treatability Study, Carmel Valley Water Treatment Plant, California American Water (CAW), Monterey County, CA: Assisted in the development of a Basis of Design Report based upon a review of the raw water quality of the surface supply (Carmel River). The report included recommendations to retrofit the existing filter plant with a membrane solution to meet all Primary and Secondary Drinking Water Standards.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lowry Denty, PE, SI - Principal Project Manager
Project Assignment:
Structural Engineer
Name of Firm with which associated:
Mott MacDonald
Years' experience with this Firm:
With this firm: 25 With other firms: 3
Education: Degree(s)/Year/Specialization:
BS, 1993, Civil Engineering, Georgia Institute of Technology BS, 1993, University of Georgia, (Dual Degree Program)
Active registration: Year first registered/discipline:
2013, LA, #38440 (Civil)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Denty currently serves as Structural Design Manager for Mott MacDonald. As a Senior Structural Engineer, Project Manager, and Special Inspector, he is involved in all aspects of project design, administration, and threshold inspections. His broad base of structural engineering experience includes structural design and construction administration for commercial, municipal, educational, and transportation projects.</p> <p>Selected experience</p> <p>Players Club Water Reclamation Facility (WRF) Expansion, SJCUD, Ponte Vedra Beach, FL: Structural QA/QC Engineer for the design, permitting, bidding, and construction services for a new 2.4 mgd WRF to consolidate the flow from the Players Club, Innlet Beach, and Sawgrass WWTPs. The project includes screens, grit removal systems, UV, two-10 disk cloth disk filters, belt filter press, and six vertical turbine reclaimed water pumps to three different discharge locations. Project challenges include an accelerated schedule associated with State Revolving Fund (SRF) requirements, improvements that meet AWT limits, creative consolidation of existing flow from the other WWTPs, and maintenance of plant operations during construction.</p> <p>McMillan St. Pump Station Rehabilitation, JEA, Jacksonville, FL: Structural QA/QC Engineer for the McMillan Street Class III/IV Pump Station rehabilitation. The project consists of the installation of new influent sluice gates, a multi-rake bar screen, replacement of four extended shaft centrifugal pumps, installation of an odor control system, structural rehabilitation of the deteriorated portions of the station exposed to sewer gases, and electrical upgrades</p> <p>Marietta WTP HSP Replacement, JEA, Jacksonville, FL: Structural EOR for the design, permitting, bidding, and construction services of an upgrade to JEA's Marietta WTP. The project includes three new 2,500 gpm horizontal-split case pumps, new standby generator, VFDs, and controls. The new electrical building will be a precast concrete building and will be sized for the upgrades and for future upgrades anticipated at the plant. Structural design includes new concrete pads for the building and generator and pump bases.</p> <p>A1A Ground Storage Tank, and Booster Pump Station, SJCUD, St. Johns County, FL: Structural QA/QC Engineer for the necessary improvements to meet a fire flow of 1,500 gpm. The recommended improvements are a 0.18 MG cast-in-place ground storage tank and new split-face block building to house the vertical turbine can booster pumps and jockey pump to use during low pressure periods and fire flow events and new electrical room.</p> <p>Southeast WTP HSP Upgrades, JEA, Jacksonville, FL: Structural EOR for the design, permitting, bidding, and construction services of an upgrade to the high service pump building. The project included five 2,500 gpm pumps and VFDs in a new 3,150 sf split-face block building complete with a new 3-ton bridge crane. The building includes an electrical room, operator work area, and restroom. The project also includes yard piping improvements, new standby generator, VFDs, and controls.</p>

TEC Professional Services Questionnaire

PROJECT NO. 1	
<p>Project Name, Location and Owner's contact information: Iris Avenue Water Line Replacement River Road to Jefferson Highway Jefferson Parish, Louisiana</p> <p>Jefferson Parish Water Department, Mr. Jerome Wool, PE 1221 Elmwood Park Blvd. Suite 907 Jefferson, LA 70123</p>	<p>Nature of Firm's Responsibility See below</p>



Mott MacDonald personnel provided design services for the replacement of 3,500 feet of 12" PVC-C-900 waterline and associated street repairs. The project also includes resident inspection. The project came in under budget and on time.

The project was broken into two Phases; Phase I includes Iris Avenue 12" (3500LF.) waterline replacement from River Road to Lance Street and includes 8" (500LF) waterlines on Jeanette & Lance Streets and Phase II is Iris Avenue 12" Waterline Replacement from Lance Street to Jefferson Highway. The project included the removal and replacement of 200S.Y. of Asphaltic Pavement. The abandoned waterlines were decommissioned using flowable fill.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2015	\$914K	\$145K

TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:
St. Anthony and Dillard Waterline Replacement
New Orleans, LA

Nature of Firm's Responsibility
 See below

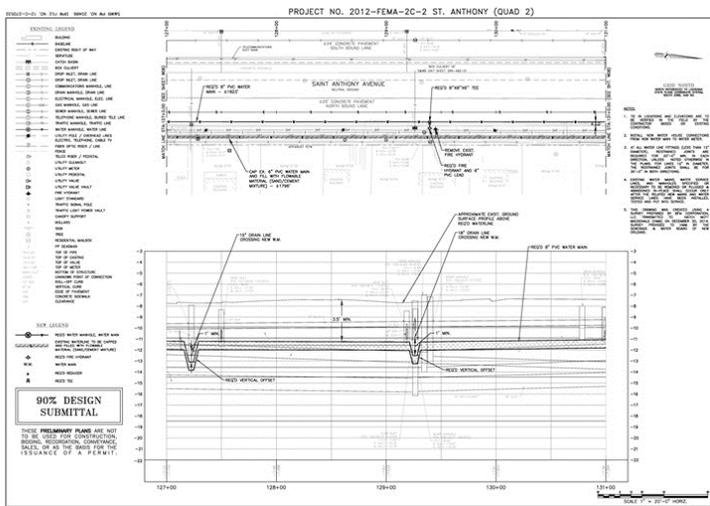
Sewage and Water Board of New Orleans Mark Johnson, Project Manager
 8800 S. Claiborne Ave New Orleans, LA 70118
 (504) 865-0663



Mott MacDonald provided professional engineering design services for FEMA-eligible waterline repairs. The project scope of work includes developing preliminary design plans, final plans and specifications, and bid documents for the reconstruction of approximately 30,000 linear feet of damaged water lines. Our team was also responsible for providing construction administration services.

All work is coordinated with the City of New Orleans, LA Department of Transportation submerged roads program, ongoing Board projects for water point repairs, sewer repair and replacement projects and other relevant stakeholders.

Mott MacDonald designed the waterline replacement and will prepare the final design plans and contract bid documents. Engineering services include inspection of waterline.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
Estimated December 2024	\$5M	\$775K

TEC Professional Services Questionnaire

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

PROJECT NO. 3

Project Name, Location and Owner's contact information:
Bourbon Street Rehabilitation (Canal Street to Dumaine Street)
City of New Orleans, Louisiana

Nature of Firm's Responsibility

See below

City of New Orleans Department of Public Works, Josh Hartley, PE
 1300 Perdido Street, Room 6W03, New Orleans, Louisiana 70112
 (504) 658-8000

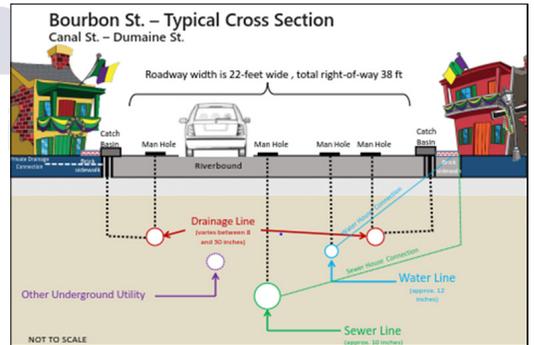
The City of New Orleans needed to fully reconstruct eight blocks of utilities underneath Bourbon Street without retracting from the historical aspects of the French Quarter. Mott MacDonald was selected to creatively address the sensitive design needs.

Understanding that Bourbon Street had not undergone any reconstruction in over 90 years, the City of New Orleans saw a need for a major infrastructure improvement. This included upsizing the existing stormwater infrastructure, **replacing the existing water lines**, repairing the existing sewer lines, replacing and improving the existing low-pressure gas lines, replacing the existing underground electrical conduits and duct banks, and replacing the existing pavement, sidewalks and ADA ramps.

Mott MacDonald developed an approach to address the time constraints and unknown variables relating to underground utility and infrastructure. Awarded as a fast track construction project, our design team agreed to be at least one block ahead of the contractor while simultaneously updating designs within hours of gaining new field information. With the expectation of facing many drainage and other utility conflicts our team provided real time design solutions.

Although the project goals were to replace the existing utilities, our team identified and recommended an opportunity to provide flood prevention. The main causes of flooding on Bourbon Street were undersized drainage systems and especially, the clogging or collapsing of existing drain lines due to directional boring utilities and large amounts of littering and debris. By maintaining a sustainability and environmentally conscious mindset, Mott MacDonald pro-actively designed adequate drain line sizes and new curb-guards on the stormwater inlets to vastly reduce the ability of litter to enter the new stormwater drainage system.

There were numerous positive outcomes as a result of the completion of this project, including: fast-track comprehensive design approach, value-added and insightful utility upgrades, the use of innovative curb guards to protect new infrastructure, maintaining one travel lane open during a 10 year storm event, and bringing the City of New Orleans a final project design that will survive the challenging conditions on Bourbon Street.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2020	\$20.7M	\$2.5M

TEC Professional Services Questionnaire

PROJECT NO. 4	
<p>Project Name, Location and Owner's contact information: Barataria Waterline Extension (McMurtry Street to Trahan Street, Crown Point), JPW 2001-009-WR Kenner, Louisiana</p> <p>Jefferson Parish Mitch Theriot, PE 1221 Elmwood Park Boulevard, Jefferson, LA 70123</p>	<p>Nature of Firm's Responsibility See below</p>

Mott MacDonald personnel provided design services for the replacement of the existing 8" and 12" waterline.

The following design elements were included in this \$360,000 construction project performed by Mott MacDonald personnel:

- Repair Water Service under tree
- Offset 12" Waterline
- Hydrant AWWA 502 (Mueller, Kennedy, or Darling)
- 12" Gate Valve (Pratt, Mueller, M&H, Clow, Dzurich)
- Close and Open water valve
- Valve Box
- 12" PVC C900 (Jack or Bore)
- Renew Existing Long Water Service (.75"-1")
- Renew Existing Short Water Service (.75"-1")
- Transfer Short Services from Ex. Waterline to New
- Transfer Long Services from Ex. Waterline to New
- Top Soil
- 8" PVC C900 (Open Cut)
- 12" PVC c900 (Open Cut)
- River Sand
- Crushed Limestone
- Remove and Replace Asphalt Pavement
- Water Manhole



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2006	\$360K	\$145K

TEC Professional Services Questionnaire

PROJECT NO. 5	
Project Name, Location and Owner's contact information: Plaquemines Parish Davant Waterline Replacement Davant, Louisiana Plaquemines Parish Department of Public Works Ken Dugas, PE, Public Works Director 8056 Highway 23, Suite 200 Belle Chasse, LA 70037	Nature of Firm's Responsibility See below



Mott MacDonald staff designed a new 12" water line proposed in Davant located in Plaquemines Parish, Louisiana for the Plaquemines Parish Government Department of Public Works. The work included 7,878 linear feet of new 12" PVC waterline along with 40 linear feet of 8" PVC waterline. The work included removal of structures, obstructions, asphalt drives, concrete walks and drives. Placement of aggregate surface course, superpave asphaltic concrete drives, turnouts and misc paving, 6" concrete drives, seeding & fertilizer. The waterline included all gate valves, boxes, tapping sleeves, valve assemblies, service lines and hydrants as needed.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2012	\$1.1M	\$180K

TEC Professional Services Questionnaire

PROJECT NO. 6

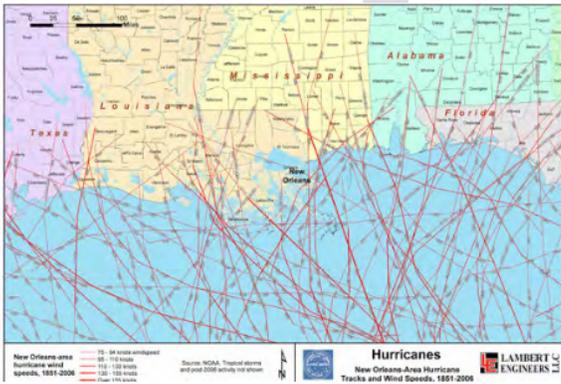
Project Name, Location and Owner's contact information:
Hazard Mitigation Plan for the Sewerage and Water Board of New Orleans (State Project 700-26-0289)
New Orleans, Louisiana

Nature of Firm's Responsibility
 See below

Sewerage and Water Board of New Orleans, Jason Higginbotham
 625 St. Joseph St. New Orleans, LA 70165
 (504) 584-2015



Mott MacDonald personnel developed a Hazard Mitigation Plan to include vulnerability analysis and hazards to critical facilities, identifying repetitive losses and how to reduce those losses and decrease the response time to a natural or man-made hazard.



The purpose of the Plan is also to integrate Hazard Mitigation strategies into the day-to-day activities and programs of the Sewerage and Water Board of New Orleans (S&WB). The plan was prepared to meet the Disaster Mitigation Act of 2000 (DMA 2000) requirements in order to maintain the S&WB's eligibility for the Federal Emergency Management Agency (FEMA) Pre-Disaster Mitigation (PDM) and Hazard Mitigation Grant Programs (HMGP). More importantly, the plan and planning process lays out the strategy that will enable the S&WB to become less vulnerable to future disaster losses.



FEMA implemented the various hazard mitigation planning provisions through regulations in 44.CFR.201. The regulations that apply to local mitigation plans are published under 44.CFR.201.6. Under 44.CFR.201.6, local governments MUST have a FEMA approved Local Mitigation Plan in order to apply for and/or receive various federal project grants.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2014	N/A	\$65K

TEC Professional Services Questionnaire

PROJECT NO. 7

<p>Project Name, Location and Owner's contact information: Alternative Water Supply Facility Bay County, FL</p> <p>Jake Hollingsworth, Assistant Director 3410 Transmitter Road, Panama City, FL 32404 (850) 248-5010, Jhollingsworth@baycountyfl.gov</p>	<p>Nature of Firm's Responsibility See below</p>
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Due to growth and the limited capacity of the Deer Point Reservoir, Mott MacDonald stepped up to the plate to address these concerns. Because our staff performed hydraulic modeling, analysis, and recommendations for improvements for the alternate water supply, we were very well-equipped to carry out the design as well.

Bay County Utility Services Department provides potable water to the surrounding communities of Panama City, Panama City Beach, Callaway, Lynn Haven, Tyndall Air Force Base, and five other nearby utilities. Bay County draws its raw water for treatment and supply from the Deer Point Reservoir. The Deer Point Reservoir, formerly a saltwater estuary, provides raw water for up to 60 million gallons per day of drinking water to residents and visitors.

A report commissioned by the Northwest Florida Water Management District (NFWFMD) showed that a 100-year storm event, roughly equivalent to a Class 3 hurricane, could potentially overtop the dam with storm surge, making the raw water in the reservoir unusable. Bay County Utility Services and County Administrators determined that a new raw water intake and pumping facility was required to provide increased redundancy and reliability to the current water supply system. With the continued threat of hurricane storm surges jeopardizing the raw water source near its current intake structure, Bay County launched its Alternative Water Supply Project.

Bay County chose the design-build delivery method for the project and retained the team of Phoenix Construction and Mott MacDonald to construct a facility that would deliver 50 MGD of raw water through approximately 11 miles of pipeline from the northern end of the reservoir to the water treatment facility without causing significant harm to water resources or the ecology of the area. Mott MacDonald's design of the new facilities included a 30 MGD triplex vertical turbine pump station (1,800 hp total), 10.8 miles of 36-inch raw water main, and passive intake facility with screens, back-up generator power, and telemetry.

Various options for the pipeline route were considered with the selected route based on access, ease of maintenance, constructability, and impacts to the environment. The installation of the raw water main included a 1,200 lf aerial pipe crossing at the dam and a 1,500 lf subaqueous crossing by HDD under Cedar Creek. Although a good portion of the work avoided construction in the road right-of-way through use of a Gulf Power easement, approximately half of the pipe alignment was constructed in Bay County road right of way, which required detailed MOT plans for implementation.

In addition, a hydraulic model and surge analysis of the pumping and piping system was completed, which indicated negative pressures would occur if the flow instantly stopped. To accommodate this surge, a 25,000-gallon surge tank was included along with combination air/vacuum valves which eliminated surge issues.

To manage the design and construction engineering oversight, Mott MacDonald conducted weekly meetings with the contractor to lead efforts related to design development and construction phasing, including early starts where construction was not affected by required permitting activities. The owner's representatives as well as key engineering and construction subconsultants and equipment and material suppliers were included at strategic points during progression of the work. Updated financial indicators, scheduled milestones, and quality reviews were included in all project meeting agendas and regularly reviewed for accountability and planning purposes. Thanks to close collaboration with regulators, contractors, and suppliers, we met the goal of building a state-of-the-art facility \$400,000 under budget and four months ahead of schedule. Our team established an alternative intake site and route that, although slightly longer, drastically reduced environmental impacts and constructability issues. Bay County is now able to serve their consumers with a higher level of safety from contamination with resiliency and redundancy. The project won two awards for its successful outcomes – the FICE Engineering Excellence Honor Award and the ENR Southeast Award of Merit in the Water/ Environment Category.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2018	\$23.4M	\$2M

TEC Professional Services Questionnaire

PROJECT NO. 8

Project Name, Location and Owner's contact information:
JEA Southeast Water Treatment Plant High Service Pump Upgrades
Jacksonville, Florida

Nature of Firm's Responsibility
 See below

JEA, Hai x Vu, PE
 21 West Church Street, Jacksonville, Florida
 904.665.4028 vuhx@jea.com

Mott MacDonald was selected for the upgrade and expansion of the high service pumping system at the Southeast WTP. The pre-existing pumping system was located in a prefabricated metal building and included four horizontal split-case pumps, two rated at 1,500 gpm each and two rated at 1,000 gpm each. All of the pumps are constant speed. The building also contains an electrical and controls room as well as two rooms which house old chlorine injection equipment. The original project definition outlined an increase in pumping capacity from 3,500 gpm to a firm pumping capacity of 8,500 gpm and future firm pumping capacity of 10,000 gpm. The two old chlorine rooms were to be rehabilitated to locate new motor control centers and new pump VFDs.

Mott MacDonald developed all pumping system curves which analyzed a wide range of pressure conditions that the plant could see (60 to 80 psi) with the primary design condition of 3,500 gpm at approximately 72 psi. Critical to the pump system design was verification of the available net positive suction head required since the design premise was based on using existing suction piping not sized for the projected future plant flows. During Mott MacDonald's coordination process with JEA's approved horizontal split-case pump vendors, only one pump manufacturer was able to meet the design conditions requested.

Furthermore, the proposed pumps were much larger and only 1,200 rpm motor selections were available. Due to the size of the pumps and the location of the existing header and discharge piping connections, there was very limited space to locate horizontal split-case pumps as traditionally installed at most all of JEA's other facilities. The resulting layout to install three 3,500 gpm pumps did not allow for proper access to equipment and also dictated piping and valves to be significantly smaller than recommended by the Hydraulic Institute Standards for proper flow velocities into and out of the pumps. After Mott MacDonald provided the 30 Percent Conceptual Design Document (CDD), JEA decided that the overall project scope needed to be revisited in order to ensure that improvements made were technically sound, economical, and would last for the long-term.

Ultimately, JEA requested that Mott MacDonald modify the scope to design a new split-face block building to house new high service pumps, electrical and controls room, bathroom, and operator work station. The new pump building allows for appropriate space to access and maintain the pumps and provides for a firm pumping capacity of 10,000 gpm.



The revised design included the following: five, 2,500 gpm horizontal split-case pumps capable of operating from 60 to 80 psi; new suction and discharge piping, gate valves, and slanted disc check valves in conformance with JEA standards; 1000 kW generator located adjacent to the new building that will provide standby power to the entire WTP; new electrical service to the plant; new split-face block building to house the pumps, electrical, and control equipment, bathroom, and operator work station; revised yard piping to relocate the sodium hypochlorite feed prior to the HSPs and connect new piping from the ground storage tank to the suction of the pumps and from the pump discharge to the existing water distribution main leaving the plant.

The project met project budgetary goals, schedules, and QA/QC measures. Original project scope and fee were within JEA's original project estimates and project schedule has been maintained and steady even with changes to re-scope the project. Mott MacDonald's team worked diligently to analyze pump selections and make recommendations in a timely manner. Senior level QA/QC checks were performed by Mott MacDonald throughout and the project was successfully constructed on-schedule.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2018	\$3M	\$415K

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:
Players Club Water Reclamation Facility
Ponte Vedra Beach, Florida

Saint John's County Utilities Department, Mr. Scott Trigg, PE Project Manager
 1205 State Road 16, St. Augustine, Florida, 32084
 904-209-2622, strigg@sjcfl.us

Nature of Firm's Responsibility
 See below

To improve the effluent quality of treated wastewater and produce public-access reclaimed water in Ponte Vedra, St. Johns County Utility Department underwent its largest capital project to-date – the new Players Club Water Reclamation Facility. This effort consolidated wastewater flows from three existing wastewater treatment plants – Players Club, Inlet Beach, and Sawgrass.

Mott MacDonald designed this advanced wastewater treatment facility with headworks equipped with a 5 mm fine screen, and a vortex grit removal system, biotrickling filter odor control and carbon polisher, a four-stage Bardenpho treatment process with Micro-C and alum to meet TN of 5 mg/L and TP of 1 mg/L, secondary clarifiers, tertiary disk filters, and ultraviolet disinfection to public access reuse standards. Reclaimed water is stored in onsite ponds prior to pumping to one of several golf courses or discharged in wet weather events to surface waters. Solids are pumped to a holding tank and pressed in the dewatering facility prior to disposal. The plant's capacity is an average daily flow of 2.4 mgd and 6.5 mgd peak capacity.



The plant employs an energy-efficient aeration system using turbo blowers and fine bubble diffusers to optimize the dissolved oxygen in the treatment trains. This 5-acre site (excluding the ponds) also required design and permitting of a single wet detention facility, asphalt drives and parking areas, concrete sidewalks, and other ancillary features necessary for a complete and functional WRF. The site also includes a 3312 sf operations/laboratory building, dewatering building, as well as a combined blower and main electrical building. The WRF is protected by an earthen berm from CAT 2 storm surge and buildings and other critical facilities are at two feet above the 100-year flood event. Special coatings were used for any exposed metals for the buildings to protect them from the salt air.

Project challenges include an accelerated design schedule associated with State Revolving Fund (SRF) requirements, improvements that meet advanced wastewater treatment limits, creative consolidation of existing flow from other wastewater treatment plants, and maintenance of plant operations during construction. To meet the requirements to secure the State Revolving Fund low interest rate loan, the project followed an accelerated design schedule. Design was completed in nine months and construction was substantially completed in 24 months, five months ahead of schedule. This project is critical to providing high-level wastewater treatment reliably and cost-effectively, as well as delivering reclaimed water to customers in the area. The new facility will allow for a 60% reduction in nutrients. Treated water will most times be 100% recycled and is used to irrigate adjacent golf courses.

“It's a pleasure to take the time to reach out and applaud all the efforts that make this project successful and to acknowledge that everything that was promised by the team in the proposal and schedule has been achieved.”

Scott Trigg, PE
 Chief Engineer, SJCUD

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2019	\$32M	\$4.2M

TEC Professional Services Questionnaire

PROJECT NO. 10	
<p>Project Name, Location and Owner's contact information: Water System Upgrades Springfield, FL</p> <p>Ralph Hammond, Mayor - City of Springfield rhammond@springfield.fl.gov (850) 872-7570</p>	<p>Nature of Firm's Responsibility See below</p>

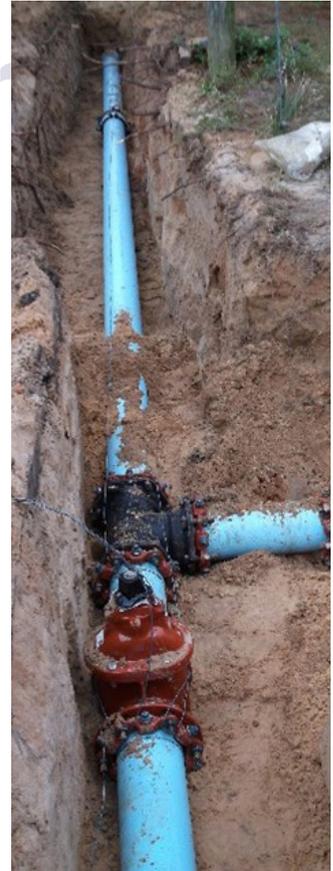
Faced with an aging water system with high maintenance costs, the City of Springfield turned to Mott MacDonald for assistance upgrading and replacing the 40-year-old infrastructure.

The City of Springfield's water system is over 50 years old. Their pipes were deteriorating rapidly and the cost of maintenance was high. A study performed by our team revealed that 23% of their water, purchased from Bay County, was lost due to leakage while being distributed to the City's 9,500 residents. Upgrades and replacements needed to be made, but first the City needed assistance obtaining funding.

After our study proved a significant water loss percentage, our team performed a Preliminary Engineering Report (PER) and assisted with the grant application to obtain the necessary funds from the governing Water Management District. As a result of the grant, we replaced 16.7 miles of 4- to 8-inch water distribution mains and associated valves, fire hydrants, fittings, water service renewals, and associated pavement and site restorations.

Our team provided the design, permitting, bidding and construction administration for the project, in addition to the initial flow study, PER, and grant funding assistance. As a result, the upgraded infrastructure provides much needed fire protection for residents and businesses to accommodate growth potential and enhance the level of service by increasing water pressure. In addition, the replacement of the older mains eliminated many of the potential leaks caused by the age of the water system as well as reduces excessive maintenance burdens on the City of Springfield staff.

Our team completed a city-wide utilities master plan, which identifies areas for future repair and replacement of all water, sewer, and stormwater systems. We continued to work with the City to obtain funding to support these improvement projects, which also included the gradual resurfacing of their roadways as an all-inclusive approach to improving the community's utility and transportation infrastructure. Additionally, Mott MacDonald assisted the City in the application process for successful receipt of a grant from the NWFWMDC to fund the project.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2018	\$6.4M	\$850K

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. N/A		
2.		
3.		
4.		

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

**MOTT
MACDONALD M M**

About Mott MacDonald

Mott MacDonald is a global consulting engineering firm with over 70 offices in North America and staff resources of over 16,000 worldwide. Mott MacDonald offers public and private clients a full suite of project development expertise including planning, studies and analysis, design, procurement, construction engineering and inspection, project management, and facility operations and maintenance.

With roots that date back more than 100 years, Mott MacDonald has earned a reputation for technical excellence, innovation, and client responsiveness. Mott MacDonald has successfully completed major engineering accomplishments in transportation, tunnels, water supply, wastewater, environmental, pipelines, buildings, and utilities. Mott MacDonald's success is the product of an outstanding staff dedicated to providing a high level of engineering expertise to our clients. Mott MacDonald is a practice-driven organization, led by a network of national and regional practice leaders who are technically accomplished and experienced high-level professionals. Mott MacDonald's practice leaders deliver services across Mott MacDonald's corporate network of 75+ offices which ensures the delivery of a consistently high level of quality, regardless of location. Practice leaders are also significantly involved with professional staff development, resource management, and knowledge management.



TEC Professional Services Questionnaire

At Mott MacDonald we believe that teamwork—staff and clients working together—is an essential element of any project. Teamwork assures that we are fully in tune with our clients' objectives and expectations, and that our efforts are focused on meeting these needs. Mott MacDonald's multi-disciplinary and diverse base of technical skills enables us to respond to virtually any infrastructure, transportation, or environmental need of our clients. Mott MacDonald's technical expertise in planning, design, and construction services with a total commitment to teamwork and successful project solutions have kept our clients coming back to us for decades.

With local Louisiana staff in New Orleans, Monroe and New Iberia and with access to national resources in over 75 offices in North America and the resources of a global family of affiliated firms, Mott MacDonald can respond quickly and cost-effectively to project needs and give Jefferson Parish the confidence that each project will proceed smoothly, effectively, and with complete professionalism. We pride ourselves in attracting the best talent in order to deliver the best projects—this is how Mott MacDonald makes the difference.



The experienced professional staff of Mott MacDonald provides a wide range of water quality studies and analyses. These studies include bench scale and pilot testing to determine operating and performance parameters prior to full-scale design and implementation. The firm has also performed pilot testing to assess the performance of packed tower and diffused bubble aerators (to remove volatile organics and radon); membrane technologies using pressure and immersed membrane systems; ballasted flocculation systems; gravity sedimentation systems; mechanical dewatering systems including belt filter presses, plate and frame presses, and centrifuges; and other technologies. Mott MacDonald has undertaken corrosion control studies for water utilities to determine compliance with the Lead and Copper Rule. Studies have included the latest technologies using sophisticated electrochemical testing and conventional pipe loops. We have successfully completed comprehensive distribution system-wide water quality studies that have been used to develop rehabilitation programs to improve finished water quality.



Mott MacDonald has the technical staff, equipment, and knowledge to execute projects anticipated by Jefferson Parish. Further, our current workload will allow for quick assignment of key personnel upon previous work for Jefferson Parish performance on public contracts.

TEC Professional Services Questionnaire

How Mott MacDonald Makes the Difference

Behind every successful project is a team of dedicated professionals — engineers, project managers, environmental scientists, designers, and technicians—who understand that in addition to technical excellence, success depends on sustained coordination and synergy between clients, engineers, regulatory agencies, and stakeholders. Finding innovative solutions to design problems, meeting project milestones, and developing cost-effective, sustainable projects comes down to the skills and experience of our people. Mott MacDonald offers our clients superior resources to accomplish their project goals. We have the expertise and depth of an international company while maintaining the high level of customer service and attention to quality associated with smaller firms. We've built strong, lasting relationships with clients by putting them first and ensuring the highest standards of professional ethics in everything we do.

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

Signature:  **Print Name:** Katie Parker, PE

Title: Senior Vice President **Date:** March 31, 2022

TEC Professional Services Questionnaire

Proof of licenses

12/13/21, 2:16 PM

[Print Lookup Details](#)

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

Name: Mott MacDonald, LLC
Public Address: Ms. Karen Marcotullio- Legal Dept.111 Wood Avenue South
Iselin, New Jersey 08830

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003450	Active	04/18/2006	09/30/2022	Mr. Kendall Lyle Kilpatrick # PE.0031110 - Active ; Mr. Mark Andrew Tompeck # PE.0040384 - Active

TEC Professional Services Questionnaire



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

Ms. Elizabeth Burck Guiza

License/Certificate Type - Number Expiration Date
PE.0039531 **09/30/2023**

Status: **Active**



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Mr. Many Marshall Heymann

License/Certificate Type - Number Expiration Date
PE.0035554 **09/30/2022**

Status: **Active**



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Ms. Lila Jean Lasecki

License/Certificate Type - Number Expiration Date
PE.0044145 **03/31/2024**

Status: **Active**



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Mr. Austin Michael Kittok

License/Certificate Type - Number Expiration Date
PE.0045850 **03/31/2024**

Status: **Active**



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Ms. Bailey Nichole Favaloro

License/Certificate Type - Number Expiration Date
EI.0034250 **03/31/2024**

Status: **Active**



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Mr. Conner Bryan Wick

License/Certificate Type - Number Expiration Date
EI.0034873 **09/30/2023**

Status: **Active**



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Mr. Andrew Kent Gibbs

License/Certificate Type - Number Expiration Date
PE.0045679 **09/30/2023**

Status: **Active**



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Mr. Lowry Jay Denty

License/Certificate Type - Number Expiration Date
PE.0038440 **03/31/2024**

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