



**SOQ No. 22-011**  
**Resolution No. 138811**  
**Engineering Services for**

# **Drainage**

**March 31, 2022**





**Re: SOQ NO. 22-011 Routine Engineering Services for Drainage Projects (Resolution No. 138811)**

March 31, 2022

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. Mott MacDonald is proud to be a part of that community and have the opportunity to continue to provide Jefferson Parish with quality engineering services.

As a local firm, Mott MacDonald realizes that an important aspect of supporting Jefferson Parish's goals, is ensuring that modern, resilient, and secure drainage infrastructure is in place by providing uninterrupted quality service and allowing you to focus on what's truly important — the community.

Lila Lasecki, PE will serve as Project Manager as well as Mott MacDonald's point of contact for your projects. Lila has extensive experience providing drainage engineering services to coastal Louisiana and is supported by a number of key engineering professionals and support staff, well versed in all areas of drainage infrastructure.

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.

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

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.

Sincerely,

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

<b>A. Project Name and Advertisement Resolution Number:</b>		
SOQ NO. 22-013 Routine Engineering Services for Drainage Projects Resolution No. 138811		
<b>B. Firm Name &amp; Address where Project work will be performed:</b>		
<div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">M</div> <div style="font-size: 2em; font-weight: bold; margin-bottom: 10px;">M</div> <div style="font-weight: bold; margin-bottom: 5px;">MOTT</div> <div style="font-weight: bold;">MACDONALD</div>	Mott MacDonald, LLC 650 Poydras Street Suite 2550 New Orleans LA 70130	
<b>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:</b>		
Many Heymann, PE 650 Poydras Street Suite 2550 New Orleans LA 70130	P: 504.799.0437 E: many.heyman@mottmac.com LA PE: 35554	
<b>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.</b>		
Many Heymann, PE 650 Poydras Street Suite 2550 New Orleans LA 70130	P: 504.799.0437 E: many.heyman@mottmac.com LA PE: 35554	
<b>E. Please provide the number of employees whose primary function corresponds with each category:</b>		
<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		<b><u>2149</u> Total</b>
<b>F. Is this submittal by a JOINT-VENTURE? Please check: YES <input type="radio"/> NO <input checked="" type="radio"/></b>		
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:**

--

## 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 & Territory Manager (Meets minimum qualification 2 &3)**

**Project Assignment:**

Project Principal

**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, drainage, water distribution, sewer system, 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, including numerous stormwater management projects.

#### **Selected experience**

**Carriage Canal Widening, St. Charles Parish, LA (St. Charles Parish Public Works Department)** Project Principal and performed civil design for the canal widening project located in St. Charles Parish. The project scope of work includes developing design plans, specifications, and bid documents as well as performing construction administration and resident inspection services.

**Trudeau Drive Drainage Improvements, Jefferson Parish, LA:** Project Manager. The project includes engineering design services to prepare plans and specifications, including topographic survey, geotechnical and resident inspection for the replacement of the Trudeau Dr. canal crossing at Canal No. 5. The design includes installation of 100' of double barrel 11'x7' pre-cast concrete box culvert and the reconstruction and widening of Trudeau Drive at West Metairie Ave. Mott MacDonald's scope includes horizontal site layout, canal bank stabilization, pavement design, hydraulic design, waterline relocation design, and the design of signage, striping, and traffic control plans per MUTCD standards.

**Design and Construction of Drainage Improvements to The Bonnabel Canal, Bonnabel Canal, Jefferson Parish, LA** Project Manager. The Project included analysis and engineering support services, which consists of the evaluation of concrete box culverts/concrete flume or sheet pile options. Mott MacDonald will provide Resident Inspection for Phase 2 and 3.

**Canal Bank Rehabilitation (Hurricane Gustav) District 5, Jefferson Parish, LA** Project Manager. The project included design engineering services to prepare plans and specifications, including topographic survey, geotechnical, construction administration and resident inspection for repairs and restoration of certain canal banks and waterways from damage caused by Hurricane Gustav.

## TEC Professional Services Questionnaire

### Many Heymann continued..

**Emergency Repairs to the Riverfront Expressway Tunnel and Canal Street, New Orleans, LA:** Project Manager. The City of New Orleans called on Mott MacDonald to assist with the emergency assessment of a water leak and of a tunnel located in downtown New Orleans. In April 2016, a portion of Canal Street collapsed into a void that had developed behind the failed end wall of the old Riverfront Expressway Tunnel underneath the roadway. Mott MacDonald was retained as a consultant to perform emergency design, engineering, and construction management.

**Harvey Tunnel Rehabilitation, New Orleans, LA:** Project Director responsible for the performing a variety of professional design services for the LADOTD to rehabilitate the Harvey Tunnel, including civil, electrical, mechanical, and structural. Design plans include repair of concrete defects, design of leak remediation solutions, upgrades to the tunnel ventilation system, roadway resurfacing, new fire and life safety systems, new HVAC, new drainage system, electrical repair and rehabilitation.

**RR069 Lake Terrace and Oaks Group A (PCI), New Orleans, LA:** Project Manager 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.

**RR130 Milneburg Group A Project, New Orleans, LA:** Project Manager for professional engineering design and surveying services for FEMA-eligible street repairs. 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 use in the reconstruction of damaged roadways, curbs, utilities, and driveways.

**RR072 Lake Terrace and Oaks Group D (FDC), New Orleans, LA:** Project Engineer for the design and surveying services 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.

**Loyola Drive at I-10 Interchange Improvements, Kenner, LA:** Project Director, providing 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.

**Conti Street Reconstruction (Chartres St. to Bourbon St.), New Orleans, LA:** Project Manager, providing project management and plan development services for the full reconstruction of Conti Street surface and subsurface infrastructure from Bourbon Street to Chartres Street. Mott MacDonald developed plans and specifications to fully reconstruct two blocks of utilities beneath Conti Street to improve the stormwater drainage system, water systems, sanitary sewer systems and provide ADA compliance for the historic Conti Street. 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.

**LADOTD Tunnel Inspection Policies and Procedures, New Orleans, LA :** Project Principal for the development of the Tunnel Inspection Policies and Procedures for the LADOTD to formally establish written standards for the inspection and record keeping of their tunnels, ensuring compliance with the Federal Highway Administration: Tunnel Operations, Maintenance, Inspection, and Evaluation Manual, (FHWA TOMIE).

**Bourbon Street Rehabilitation (Canal Street to Dumaine Street), City of New Orleans, Department of Public Works, New Orleans, LA:** Project Manager, providing Engineering Construction Administration, and Resident Inspection services for the repair of Bourbon Street surface and underground infrastructure, in particular assessing drainage capacities and designing solutions to manage stormwater 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.

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Lila Lasecki - Senior Project Manager
<b>Project Assignment:</b>
Project Manager
<b>Name of Firm with which associated:</b>
Mott MacDonald
<b>Years' experience with this Firm:</b>
With this firm: 6 With other firms:0
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Civil Engineering, The University of Alabama, 2015
<b>Active registration: Year first registered/discipline:</b>
2019, Civil, LA, #44145
<b>Other experience and qualifications relevant to the proposed Project:</b>
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.
<b>Selected experience</b>
<b>Carriage Canal Widening, St. Charles Parish, LA (St. Charles Parish Public Works Department)</b> Project Manager and performed civil design for the canal widening project located in St. Charles Parish. The project scope of work includes developing design plans, specifications, and bid documents as well as performing construction administration and resident inspection services.
<b>Bourbon Street Reconstruction (Phases 1 and 2), New Orleans, LA: Project Engineer</b> 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 in particular assessing drainage capacities and designing solutions to manage stormwater from Canal Street to Dumaine Street as part of the City-wide Public Safety Program.
<b>RR069 Lake Terrace and Oaks Group A (PCI), New Orleans, LA:</b> 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.
<b>RR130 Milneburg Group A Project, New Orleans, LA:</b> Project Engineer for professional engineering design and surveying services for FEMA-eligible street repairs. 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 use in the reconstruction of damaged roadways, curbs, utilities, and driveways.
<b>Little Farms Avenue Rehabilitation, Jefferson Parish, LA:</b> 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.

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTAN
<b>Name &amp; Title:</b>
Elizabeth Guiza, PE - Principal Engineer (Meets minimum qualification 1)
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
Mott MacDonald
<b>Years' experience with this Firm:</b>
With this firm: 11 With other firms:0
<b>Education: Degree(s)/Year/Specialization:</b>
BS, 2010, Civil Engineering, University of Mississippi
<b>Active registration: Year first registered/discipline:</b>
2015, Civil, LA, #39531
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Ms. Guiza provides engineering support for a range of projects including civil/site developments, gravity stormwater systems, water systems, sewer systems, and roadway construction. 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, and construction management.</p>
<b>Selected experience</b>
<p><b>Carriage Canal Widening, St. Charles Parish, LA (St. Charles Parish Public Works Department)</b> Project Engineer and performed civil design for the canal widening project located in St. Charles Parish. The project scope of work includes developing design plans, specifications, and bid documents as well as performing construction administration and resident inspection services.</p>
<p><b>Canal Bank Rehabilitation (Hurricane Gustav) District 5, Jefferson Parish, LA.</b> Project Engineer. The project included design engineering services to prepare plans and specifications, including topographic survey, geotechnical, construction administration and resident inspection for repairs and restoration of certain canal banks and waterways from damage caused by Hurricane Gustav.</p>
<p><b>Trudeau Drive Drainage Improvements, Jefferson Parish, LA:</b> Project Engineer for the engineering design services to prepare plans and specifications, including topographic survey, geotechnical and resident inspection for the replacement of the Trudeau Dr. canal crossing at Canal No. 5. The design includes installation of 100' of double barrel 11'x7' pre-cast concrete box culvert and the reconstruction and widening of Trudeau Drive at West Metairie Ave. Mott MacDonald's scope includes horizontal site layout, canal bank stabilization, pavement design, hydraulic design, waterline relocation design, and the design of signage, striping, and traffic control plans per MUTCD standards.</p>
<p><b>Little Farms Avenue Rehabilitation, Jefferson Parish, LA:</b> Project Engineer for the the Engineering, Construction Administration, and Resident Inspection services 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>
<p><b>The Rault Office Building Parking Lot Expansion - Green Infrastructure, Jefferson Parish, LA.</b> Project Engineer for the sustainable designed parking facility for the Rault Resources Building located in Kenner, Louisiana. The expansion created over 180 additional spaces along with drainage improvements and landscaping. The Project including engineering design and construction management including stormwater collection facilities with signage, landscaping, lighting, erosion control and sidewalks. The Sustainable Design utilized a detention pond and pervious pavement surfaces. The design was sensitive to the existing Live Oak and Cypress trees.</p>
<p><b>Design and Construction Of Drainage Improvements To The Bonnabel Canal, Bonnabel Canal, Jefferson Parish, LA.</b> Project Engineer. The Project included analysis and engineering support services, which consists of the evaluation of concrete box culverts/concrete flume or sheet pile options. Mott MacDonald will provide Resident Inspection for Phase 2 and 3.</p>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Steve While, PE - Principal Engineer
<b>Project Assignment:</b>
Drainage Engineer
<b>Name of Firm with which associated:</b>
Mott MacDonald
<b>Years' experience with this Firm:</b>
With this firm: 15 With other firms: 10
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Civil Engineering, University of Central Florida, 1996
<b>Active registration: Year first registered/discipline:</b>
2002, Civil, FL, #58809
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. White has over 25 years of experience working on a variety of projects including the design of municipal water distribution and storage facilities, wastewater transmission/collection systems, site design, drainage improvements, roadway drainage design for capacity projects regulatory agency permitting, contract administration, and project review. Mr. White has working knowledge of MicroStation, AutoCAD, ICPR, POND3 V3.2, HydroCad v.10.0, PondPack v8i, and ASAD.</p>
<b>Selected experience</b>
<p><b>Gulf Breeze Drainage Improvements, City of Gulf Breeze, FL:</b> Project Manager and Engineer of Record for various drainage improvements to the City, including the construction of approximately 6,050 LF of stormwater collection/transmission facilities, n/transmission facilities (of which approximately 1,850 LF function as exfiltration trench), 1 new stormwater lift station and the interconnection of 2 existing stormwater lift stations with control upgrades, approximately 1,646 LF of 12 stormwater force main, and two new stormwater. The project areas lie within two established residential neighborhoods with a significant amount of underground utilities.</p>
<p><b>Oak Valley Drive PEA and Roadway &amp; Drainage Repairs, Escambia County, FL:</b> Project Manager to provide a preliminary engineering assessment (PEA) and resulting recommended roadway and drainage improvements to address the damages encountered by the April 2014 flood. Performed a hydrologic/hydraulic drainage study, updated the stormwater master plan model, designed improvements, produced construction documents, and provided construction administration services.</p>
<p><b>Lake Charlene Drainage Study, Escambia County, FL:</b> Stormwater Modeling Engineer to evaluate existing conditions and design alternative conditions during the various storm events for the Lake Charlene area and associated stormwater infrastructure. Mott MacDonald utilized gridded Dual Pol radar data to model the April 2014 storm event to approximate depths and extents of flooding and modeled and evaluated various design alternatives to reduce/alleviate flooding.</p>
<p><b>12th Avenue Drainage Improvements, City of Pensacola, Pensacola, FL:</b> Project Manager and Engineer of Record. As part of the continuing services agreement with the City of Pensacola, Mott MacDonald performed various drainage improvements for 12th Avenue including a headwall reinforcement.</p>
<p><b>Muscogee Road Drainage Improvements, Escambia County Engineering Department, Cantonment, Escambia County, FL:</b> Project Manager responsible for design and permitting of a stormwater collection/transmission system to alleviate flooding conditions within areas along and around a three-quarter mile segment of Muscogee Road in Escambia County, Florida. Collection/transmission system included approximately 5000 LF of reinforced concrete pipe ranging in size from 18" to 36".</p>
<p><b>Eleven Mile Creek Drainage Basin Plan and Stormwater Management Plan, Escambia County, FL:</b> Project Manager for the third of three total studies performed by Mott MacDonald within the basin. This study focused on the upper Eleven Mile Creek watershed and assessed existing drainage and conveyance systems, updated existing model, provided a detailed study to identify and assess existing and potential flood prone areas, developed conceptual design solutions, prepared an economic analysis of designs.</p>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Austin Kittok, PE - Civil Engineer IV
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
Mott MacDonald
<b>Years' experience with this Firm:</b>
With this firm: 5 With other firms:0
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Civil Engineering, University of Louisiana at Lafayette, 2016
<b>Active registration: Year first registered/discipline:</b>
2021, Civil, LA, #45850
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Kittok provides engineering support for a range of projects including civil/site developments, gravity stormwater systems, and roadway construction. 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. Mr. Kittok has completed the ATSSA Traffic Control Technician, Supervisor and Flagger WorkZone Training Program.</p> <p><b>Selected experience</b></p> <p><b>Bourbon Street Reconstruction (Phases 1 and 2), New Orleans, LA:</b> Project 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 in particular assessing drainage capacities and designing solutions to manage stormwater from Canal Street to Dumaine Street as part of the City-wide Public Safety Program.</p> <p><b>Conti Street Reconstruction (Chartres St. to Bourbon St.), New Orleans, LA:</b> Engineer Intern, providing project management and plan development services for the full reconstruction of Conti Street surface and subsurface infrastructure from Bourbon Street to Chartres Street. Mott MacDonald developed plans and specifications to fully reconstruct two blocks of utilities beneath Conti Street to improve the stormwater drainage system, water systems, sanitary sewer systems and provide ADA compliance for the historic Conti Street. 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><b>RR072 - Lake Terrace and Oaks Group D (FRC), New Orleans, LA:</b> Project Engineer for the for the design and surveying services 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.</p> <p><b>RR130 Milneburg Group A Project, New Orleans, LA:</b> Project Engineer for professional engineering design and surveying services for FEMA-eligible street repairs. 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 use in the reconstruction of damaged roadways, curbs, utilities, and driveways.</p> <p><b>Loyola Drive at I-10 Interchange Improvements, Kenner, LA:</b> 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>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Bailey Favaloro, EI - Engineer II
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
Mott MacDonald
<b>Years' experience with this Firm:</b>
With this firm: 1 With other firms: 2
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Civil Engineering, Louisiana State University, 2019
<b>Active registration: Year first registered/discipline:</b>
2019, Civil, LA, #34250(EI)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<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>
<b>Selected experience</b>
<p><b>Bourbon Street Reconstruction (Phases 1 and 2), New Orleans, LA:</b> 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 in particular assessing drainage capacities and designing solutions to manage stormwater from Canal Street to Dumaine Street as part of the City-wide Public Safety Program.</p>
<p><b>Conti Street Reconstruction (Chartres St. to Bourbon St.), New Orleans, LA:</b> Engineer Intern, providing project management and plan development services for the full reconstruction of Conti Street surface and subsurface infrastructure from Bourbon Street to Chartres Street. Mott MacDonald developed plans and specifications to fully reconstruct two blocks of utilities beneath Conti Street to improve the stormwater drainage system, water systems, sanitary sewer systems and provide ADA compliance for the historic Conti Street. 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><b>RR072 - Lake Terrace and Oaks Group D (FRC), New Orleans, LA:</b> 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><b>RR130 Milneburg Group A Project, New Orleans, LA:</b> Engineer Intern providing surveying, design, and CA assistance for the FEMA-eligible street repairs at the Milneburg neighborhood. 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 use in the reconstruction of damaged roadways, curbs, utilities, and driveways. 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:
<b>Name &amp; Title:</b>
Connor Wick, EI - Engineer I
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
Mott MacDonald
<b>Years' experience with this Firm:</b>
With this firm: 1 With other firms: 0
<b>Education: Degree(s)/Year/Specialization:</b>
BS, Civil Engineering, Louisiana State University, 2020
<b>Active registration: Year first registered/discipline:</b>
2021, Civil, LA, #34873(EI)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<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>
<b>Selected experience</b>
<p><b>Milneburg (Group A), City of New Orleans, New Orleans, LA:</b> Engineer Intern providing surveying, design, and CA assistance for the FEMA-eligible street repairs at the Milneburg neighborhood. 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 use in the reconstruction of damaged roadways, curbs, utilities, and driveways. Mott MacDonald is responsible for coordinating with utility owners and providing construction administration services.</p>
<p><b>New Orleans Sewerage and Water Board - FEMA Waterline Rehabilitation at St. Anthony and Dillard Neighborhoods, New Orleans, LA:</b> 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><b>Lake Terrace and Lake Oaks (Group B), City of New Orleans, New Orleans, LA:</b> 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><b>Lake Terrace and Lake Oaks (Group D), City of New Orleans, New Orleans, LA:</b> 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><b>West End (Group E), City of New Orleans, New Orleans, LA:</b> 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

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

## PROJECT NO. 1

**Project Name, Location and Owner's contact information:**  
**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

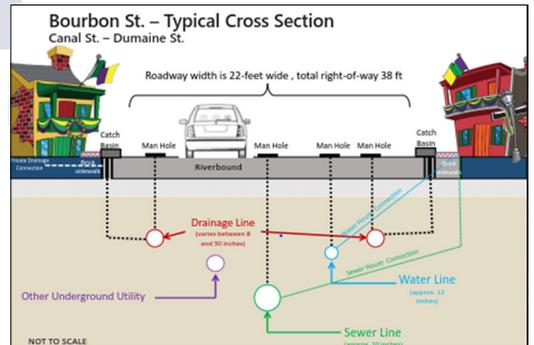
The City of New Orleans needed to fully reconstruct eight blocks of utilities underneath Bourbon Street without retracting from the historical aspects of the French Quarter. Mott MacDonald was selected to creatively address the sensitive design needs.

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. 2

**Project Name, Location and Owner's contact information:**

**Trudeau Drive Drainage Improvements**

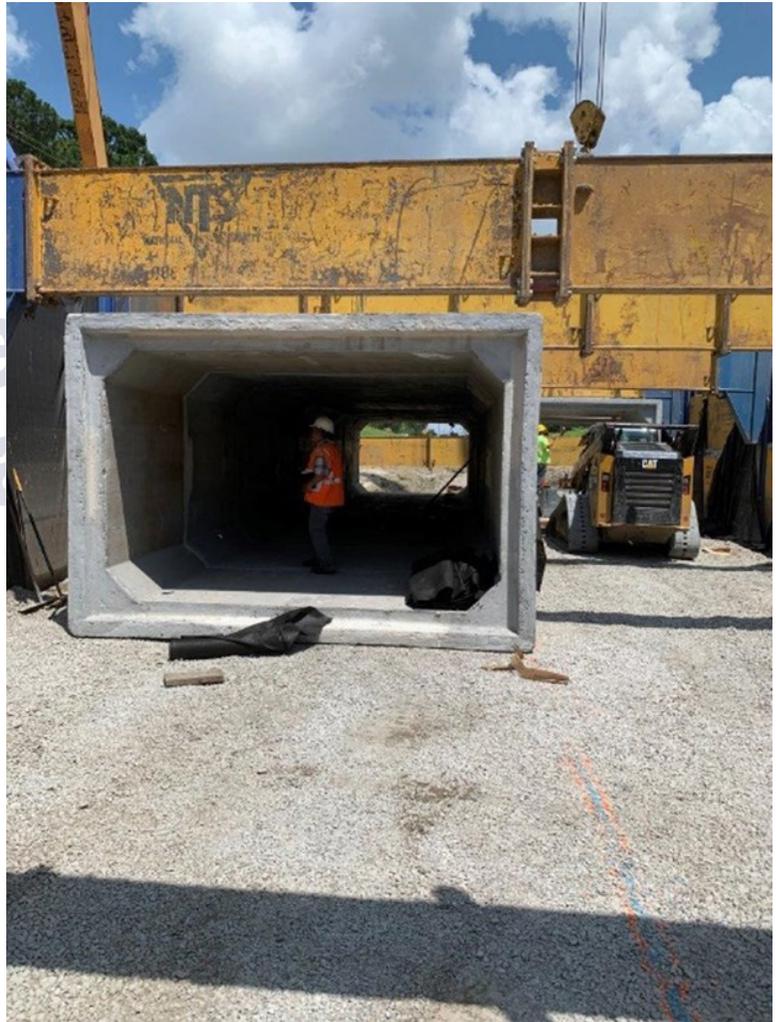
**Jefferson Parish, LA**

Jefferson Parish Capital Projects, Gary E. Lehmann, PE  
 1221 Elmwood Park Blvd., Suite 906, Jefferson Parish, LA 70123  
 (504) 736-6779, GLehmann@jeffparish.net

**Nature of Firm's Responsibility**

See below

The project included engineering design services for preparation of plans and specifications, including topographic survey, geotechnical and resident inspection for the replacement of the Trudeau Drive canal crossing at Canal No.5. The design included installation of 100' of double barrel 11' x 7' pre-cast concrete box culvert and the reconstruction and widening of Trudeau Drive at West Metairie Ave. Mott MacDonald's scope included horizontal site layout, pavement design, hydraulic design, waterline relocation design, and the design of signage, striping, and traffic control plans per MUTCD standards.



*Before*



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2019	\$1.2M	\$135K

# TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>	
<b>Project Name, Location and Owner's contact information:</b> <b>Design and Construction of Drainage Improvements to The Bonnabel Canal</b> <b>Jefferson Parish, LA</b>  Jefferson Parish - BCG Engineering & Consulting, Inc. 2701 Kingman Street, Metairie, LA 70006 Mr. Mitch Theriot, PE (504) 736-6751	<b>Nature of Firm's Responsibility</b> See below

The Project included analysis and engineering support services, which consists of the evaluation of concrete box culverts/concrete flume or sheet pile options. Mott MacDonald will provide Resident Inspection for Phase 2 and 3.

Mott MacDonald's personnel are providing engineering support services and Resident inspections on the project. The project includes surveying, geotechnical, and preparation of right-of-way plans (if required). The conveyance is approximately one-mile long. Duties includes structural analysis and Bridge Design according to the Off-System Bridge program administered by LADOTD and inspection in accordance with LADOTD and FHWA. Design services, including scour analysis, will be performed in accordance with LADOTD standards. The final design includes slope paving with a sheet pile toe.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
Ongoing	TBD	\$452

## TEC Professional Services Questionnaire

<b>PROJECT NO. 4</b>	
<p><b>Project Name, Location and Owner's contact information:</b>  <b>Canal Bank Rehabilitation (Hurricane Gustav) District 5 Canal Street Canal, Canal No. 4, Canal No. 5 And Duncan Canal DSR # 051-08-042G, DSR #051-08008G &amp; DSR #051-08-001G</b>  <b>Jefferson Parish, La</b></p> <p>Jefferson Parish - Mr. Mitch Theriot, PE            1221 Elmwood Park Blvd., Suite 907 Jefferson, LA 70123 (504) 736-6751</p>	<p><b>Nature of Firm's Responsibility</b>            See below</p>



Mott MacDonald personnel provided design engineering services to prepare plans and specifications, including topographic survey, geotechnical, construction administration and resident inspection for repairs and restoration of certain canal banks and waterways from damage caused by Hurricane Gustav.

Mott MacDonald provided design engineering services to prepare plans and specifications, including topographic survey, geotechnical and resident inspection for repairs and restoration of certain canal banks and waterways from damage caused by Hurricane Gustav. The restoration of these banks is being funded by the USDA-NCRS-EWP, whereby Damage Survey Reports (DSRs) were generated identifying said banks. The DSRs included in this scope are DSR Nos. 051-08-042G, 051-08-008G and 051-08-001G.



The Emergency Watershed Protection (EWP) Program of the U. S. Department of Agriculture, Natural Resources Conservation Service helps remove threats to life and property that remain in the nation's watersheds in the aftermath of natural disasters such as floods, hurricanes, tornadoes, and wildfires. The threats that the EWP Program addresses are termed watershed impairments. These include debris-clogged stream channels, undermined and unstable streambanks, jeopardized water control structures and public infrastructure, and damaged upland sites stripped of protective vegetation by fire or drought. Watershed impairments that are not addressed when they pose a serious threat are likely to cause loss of life, injury, or devastating property damage in a subsequent storm event.

<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible</b>
2010	\$1.2M	\$183K

## TEC Professional Services Questionnaire

PROJECT NO. 5	
<p><b>Project Name, Location and Owner's contact information:</b>  <b>Rault Office Building Parking Lot Expansion</b>  <b>Kenner, Louisiana</b></p> <p>Rault Resources - Ms. Jennifer Amedee, Chief Financial Officer            110 Veterans Boulevard, Metairie, Louisiana 70005            (504) 581-1314</p>	<p style="text-align: center;"><b>Nature of Firm's Responsibility</b> See below</p>



Mott MacDonald was selected by Rault Resources to provide design services for a sustainable parking lot expansion. Mott MacDonald provided a variety of professional services for the project including engineering design and construction management. Mott MacDonald designed the **stormwater collection facilities with a detention pond**, signage, landscaping, lighting, erosion control and sidewalks.

The parking lot services the Rault Resources Building located at 2400 Veterans Boulevard in Kenner, Louisiana. The expansion created over 180 additional spaces along with drainage improvements and landscaping.

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2015	\$1.758 M	\$250K

## TEC Professional Services Questionnaire

### PROJECT NO. 6

**Project Name, Location and Owner's contact information:**

**FEMA Street Repairs at Milneburg Neighborhood  
New Orleans, Louisiana**

City of New Orleans, Stuart Seiler  
1300 Perdido Street Suite 6W03 New Orleans, Louisiana 70112  
(504) 874-183 stuart.seiler@nola.gov

**Nature of Firm's  
Responsibility**

See below

This project is part of the \$2.3B worth of DPW / SWBNO work across the City in the Joint Infrastructure (JIRR) Program. The project replaces existing waterlines and other utilities, roadways, driveways, sidewalks and ADA ramps in a large portion of the neighborhood. Hurricane Katrina made landfall on August 29, 2005 producing powerful winds and torrential rains in the City of New Orleans. Milneburg experienced severe flooding due to this storm. The National Oceanic & Atmospheric Administration (NOAA) estimates that the majority of the neighborhood contained between 10-20 feet of floodwaters on August 31, 2005.

The extreme flooding of the Milneburg neighborhood and resulting flood damage to residential structures resulted in the complete demolition of approximately 560 homes throughout the neighborhood and major demolition and rehabilitation on virtually every residential home in the neighborhood. In addition, the standing water in Milneburg saturated the subgrade soils including the base materials for roadways, sidewalks, curb and gutters, and driveways. The saturated subgrade soils resulted in substantially decreased bearing capacity rendering them highly susceptible to post-disaster damage associated with debris removal and demolition activities.

The project scope of work includes FEMA eligible roadway repair to the 12 by 12 block Milneburg Neighborhood which is approximately 15 miles of local streets. This included conducting topographic and boundary surveys, developing preliminary design plans, final plans and specifications, and bid documents for use in the reconstruction of damaged roadways, curbs, **drainage pipes and structures**, waterlines, driveways, in addition to roadway milling and overlay.

**Mott MacDonald evaluated the roadways, driveways, sidewalks, ADA ramps and a portion of drainage systems for the project.** All streets in the neighborhood that were part of the project were walked by the Mott MacDonald team and carefully evaluated for inclusion in the project. The solution was to design completely upgraded pavement and utility infrastructure systems in accordance with City of New Orleans, Department of Public Works and New Orleans Sewerage and Water Board standards.

The project will provide an improved quality of life for the residents of the neighborhood. **On blocks with the drainage system being replaced, the final design will result in a drainage system that will prevent flooding up to the required 10-year design storm.** The water distribution system will replace any lead services and provide quality and reliable water pressure requirements both to residents and for firefighting needs at new hydrants. All sidewalks will be ADA compliant both within the block and all intersections providing increased ease of mobility for the those with disabilities.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2024 EST.	\$17M	\$1.6M

# TEC Professional Services Questionnaire

## PROJECT NO. 7

**Project Name, Location and Owner's contact information:**  
**Conti Street Reconstruction (Chartres St. to Bourbon St.)**  
**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 two blocks of utilities beneath Conti Street to improve the stormwater drainage system, water systems, sanitary sewer systems and provide ADA compliance for the Historic Conti Street between Chartres St. and Bourbon St. Mott MacDonald was selected to imaginatively address the complex design needs.

Understanding that Conti Street had not undergone any reconstruction in many years, the City of New Orleans saw a need and desire for a major infrastructure overhaul. This included upsizing the existing stormwater infrastructure due to flooding in the area, replacing the existing water lines, CIPP lining the existing sewer mains and laterals, 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.

In addition, illegal parking on the sidewalk would also be addressed through decorative bollards that were approved by the Vieux Carre Commission and would not take away from the historic character of the area.

Mott MacDonald developed an approach to address the unknown variables relating to underground utility and infrastructure. Based on the lack of available as-built or record drawings, exploratory excavations were utilized on the project. Once these exploratory excavations exposed the underground infrastructure, a topographic survey team gathered all visible data to be used in the design. These exploratory excavations played a key role in allowing the Mott MacDonald team to provide accurate designs and avoid costly construction conflicts from unforeseen site conditions.

The Mott MacDonald team prepared designs for the upgraded stormwater drainage system capable of handling the 10-year storm, rehabilitated sewer system, new water distribution system, new roadway pavement with historically accurate granite curbs and ADA compliant sidewalks and intersection ramps. 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.

Mott MacDonald is coordinating closely with all applicable utility companies. Entergy coordination meetings are being held weekly with Mott MacDonald, DPW and Entergy from prior to construction all the way throughout the duration of construction. This close coordination provides the valuable ability to prevent problems in construction before they occur and avoid conflict between the new Entergy facilities and DPW infrastructure.

There were numerous positive results that will occur at 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 drainage infrastructure, maintaining one travel lane open during a 10 year storm event for emergency vehicles, preventing illegal parking on the sidewalks and bringing the City of New Orleans a final project design that will survive the challenging conditions on Conti Street.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2022 EST.	\$5M	\$702K

## TEC Professional Services Questionnaire

PROJECT NO. 8	
<p><b>Project Name, Location and Owner's contact information:</b>  <b>West End Group E (FRC)</b>  <b>New Orleans, Louisiana</b></p> <p>City of New Orleans, Moe Abdelfattah                  1300 Perdido Street Suite 6W03 New Orleans, Louisiana 70112                  (504) 658-8043</p>	<p><b>Nature of Firm's Responsibility</b>                  See below</p>



Project scope includes design and surveying services for 3,700 LF of the FEMA-eligible street repairs in the West End neighborhood. Mott MacDonald is responsible for conducting topographic and boundary surveys, developing preliminary design plans, **drainage analysis report**, final plans and specifications, and bid documents for the full reconstruction of all subsurface utilities located on Bellaire Drive (NO Hammond Hwy – 32nd Street). Additional responsibilities include coordinating with utility owners and providing construction administration services.

Specific design features include:

- 40' wide concrete roadway with curb
- 26 ADA Crossing Ramps
- ADA compliance sidewalks
- Preservation of large Live Oak Trees
- 8" Waterlines
- 8" Sewer lines
- **15"-30" RCP Drain lines**

Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2023 EST	\$7.8M	\$345K

## TEC Professional Services Questionnaire

### PROJECT NO. 9

**Project Name, Location and Owner's contact information:**  
**Conti Street Reconstruction (Chartres St. to Bourbon St.)**  
**New Orleans, Louisiana**

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

**Nature of Firm's Responsibility**  
 See below

The City of New Orleans needed to fully reconstruct two blocks of utilities beneath Conti Street to **improve the stormwater drainage system**, water systems, sanitary sewer systems and provide ADA compliance for the Historic Conti Street between Chartres St. and Bourbon St. Mott MacDonald was selected to imaginatively address the complex design needs.

Understanding that Conti Street had not undergone any reconstruction in many years, the City of New Orleans saw a need and desire for a major infrastructure overhaul. **This included upsizing the existing stormwater infrastructure due to flooding in the area**, replacing the existing water lines, CIPP lining the existing sewer mains and laterals, 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. In addition, illegal parking on the sidewalk would also be addressed through decorative bollards that were approved by the Vieux Carre Commission and would not take away from the historic character of the area.

Mott MacDonald developed an approach to address the unknown variables relating to underground utility and infrastructure. Based on the lack of available as-built or record drawings, exploratory excavations were utilized on the project. Once these exploratory excavations exposed the underground infrastructure, a topographic survey team gathered all visible data to be used in the design. These exploratory excavations played a key role in allowing the Mott MacDonald team to provide accurate designs and avoid costly construction conflicts from unforeseen site conditions.

The Mott MacDonald team prepared designs for the upgraded stormwater drainage system capable of handling the 10-year storm, rehabilitated sewer system, new water distribution system, new roadway pavement with historically accurate granite curbs and ADA compliant sidewalks and intersection ramps. 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.**

Mott MacDonald is coordinating closely with all applicable utility companies. Entergy coordination meetings are being held weekly with Mott MacDonald, DPW and Entergy from prior to construction all the way throughout the duration of construction. This close coordination provides the valuable ability to prevent problems in construction before they occur and avoid conflict between the new Entergy facilities and DPW infrastructure.

There were numerous positive results that will occur at 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 drainage infrastructure**, maintaining one travel lane open during a 10 year storm event for emergency vehicles, preventing illegal parking on the sidewalks and bringing the City of New Orleans a final project design that will survive the challenging conditions on Conti Street.



Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible
2022 EST.	\$5M	\$702K

## TEC Professional Services Questionnaire

<b>PROJECT NO. 10</b>	
<b>Project Name, Location and Owner's contact information:</b> <b>Little Farms Avenue Rehabilitation</b> <b>Jefferson Parish, Louisiana</b>  Jefferson Parish Engineering Department, Mark Drewes, Director 1221 Elmwood Pk. Blvd., Suite 802, Jefferson, LA 70123 (504) 736-6500	<b>Nature of Firm's Responsibility</b> See below



Jefferson Parish selected Mott MacDonald to provide Engineering, Construction Administration, and Resident Inspection services 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.

The project will involve the plane and overlay of asphaltic portions of Little Farms Ave to repair the roadway and correct roadway cross-slope, as well as the reconstruction of concrete portions of the roadway. **Drainage improvements will be made including the addition of new drainage inlets, inlet modifications, and drainage swale modifications.** New sidewalk and ADA ramps will be constructed. Roadway striping and marking, including shared use bicycle markings were installed

<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible</b>
2023 EST	\$1.9M	\$110K



# TEC Professional Services Questionnaire

## **Drainage Capabilities**

Recent Experience in Sustainable Stormwater Management along with Green Infrastructure (GI) elements are currently being used throughout the United States and worldwide to address wet weather-related stormwater and remedy the effects of increased stormwater runoff due to urbanization. GI is a decentralized system of retention and detention tools that are intended to control stormwater runoff at its source by mimicking natural processes. The primary intended benefits (goals) of the implementation of a GI program are to mitigate impacts of stormwater on receiving waters, improve in-stream water quality and decrease the effects of flooding due to large storm events.

Stormwater Management projects provide multiple benefits – environmental, economic, and social. Through the implementation of these simple practices, which mimic natural systems, Jefferson Parish will realize many co-benefits beyond the primary goal of stormwater management.

## **Key Personnel**

The Mott MacDonald Team is highly qualified to provide the services necessary to deliver the potential Jefferson Parish projects on schedule and within budget. Members of the team have been selected for their unique skill sets, professional registrations and licenses, project management credentials, and knowledge and expertise designing and implementing successful green infrastructure and green streets projects for other utilities and large cities. Our team is committed to providing high quality service to address goals and objectives of Stormwater and GI programs. Relevant Mott MacDonald project experience sheets are provided in Section L. We are committed to providing the services necessary to support the Jefferson Parish, Stormwater Management and Green Infrastructure (GI) program. Our experience brings the specialized expertise needed to complete the project. Mott MacDonald will deliver this project with a team of professionals who are dedicated to meet the project challenges. We offer staff with extensive experience in all of the key technical areas, including:

- Urban water resources
- Urban streetscapes and parks
- Right of way green infrastructure
- Public retrofit green infrastructure

## **Topography, Soil Conditions, etc.**

Mott MacDonald understands the challenges associated with delivering sustainable, regenerative, and resilient projects in Jefferson Parish. Our local professional staff has decades of combined experience working in Jefferson Parish and is extremely knowledgeable with the Parish's unique topography, soil conditions and the condition/capacity of the existing drainage system amount of rainfall received annually. Our team has recently incorporated green infrastructure design in Jefferson Parish including detention areas, grass retention swales, pervious pavements, LED lighting and indigenous landscaping as part of our projects.

## **H&H Modeling**

We have extensive experience with hydraulic and hydrologic modeling programs including EPASWMM, InfoWorksCS, PSCWMM, XPSWMM, EPANET, WaterGEMS, HEC-RAS, HEC-HMS and HydroCAD. Hydraulic and hydrologic modeling has been incorporated to a number of the Philadelphia Water Department's designs especially the analysis and design of bio-retention systems, control structures, sewer conveyance systems and CSO regulating chambers for various storm events.

## TEC Professional Services Questionnaire

### **How Mott MacDonald Makes the Difference**

Mott MacDonald appreciates the opportunity to present our experienced staff and our proven past performance on similar projects. We look forward to the opportunity to further build upon our relationship and continue supporting Jefferson Parrish through this contract. Thank you for your consideration of Mott MacDonald. 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

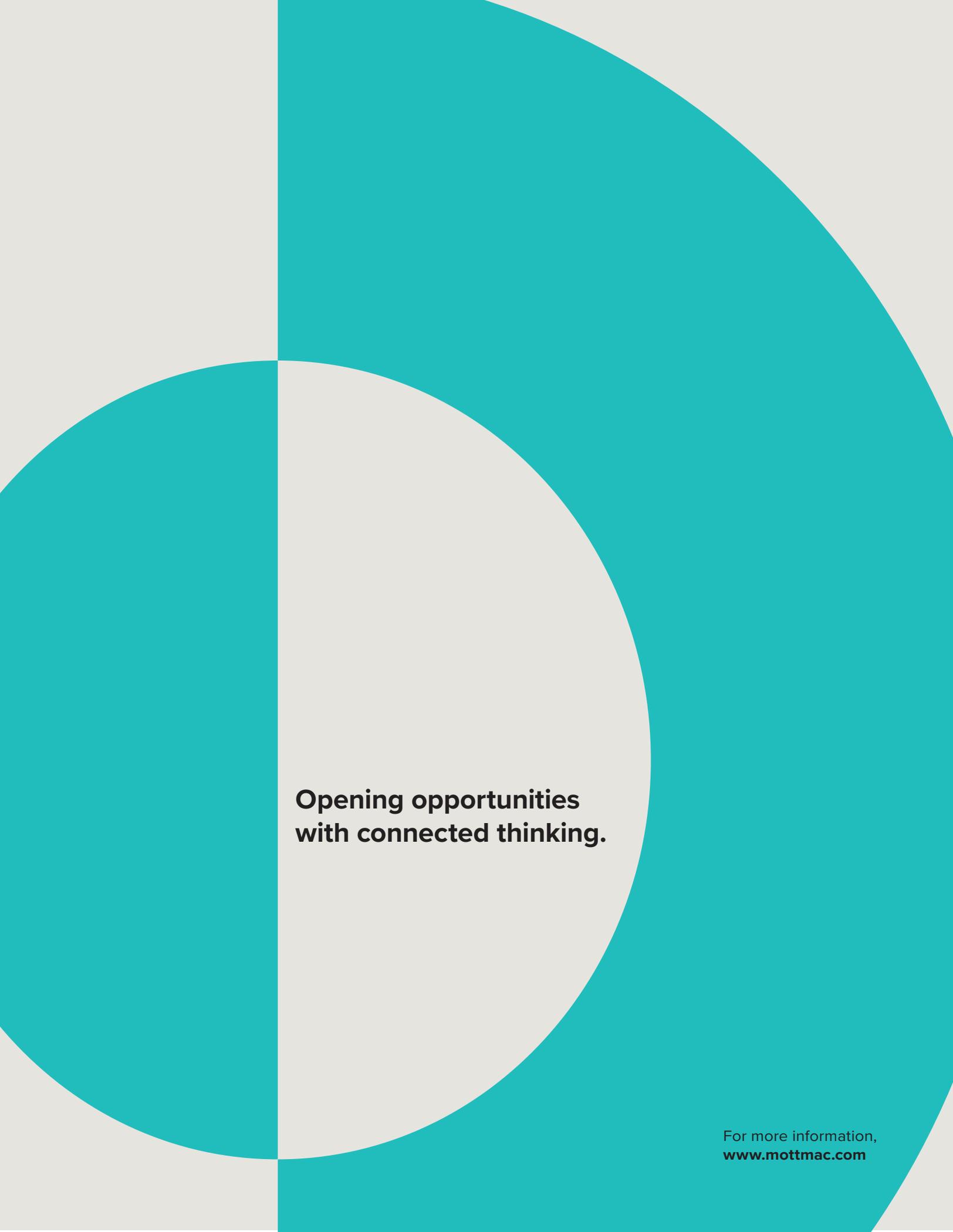
	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Ms. Elizabeth Burck Guiza</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0039531</b>	<b>09/30/2023</b>
<b>Status: Active</b>	

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Many Marshall Heymann</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0035554</b>	<b>09/30/2022</b>
<b>Status: Active</b>	

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Ms. Lila Jean Lasecki</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0044145</b>	<b>03/31/2024</b>
<b>Status: Active</b>	

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Austin Michael Kittok</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0045850</b>	<b>03/31/2024</b>
<b>Status: Active</b>	

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Ms. Bailey Nichole Favaloro</b>	
License/Certificate Type - Number	Expiration Date
<b>EI.0034250</b>	<b>03/31/2024</b>
<b>Status: Active</b>	



**Opening opportunities  
with connected thinking.**

For more information,  
[www.mottmac.com](http://www.mottmac.com)