



# STATEMENT OF QUALIFICATIONS

## Program Management of Water Pipeline Infrastructure Improvements

Jefferson Parish, Louisiana

Resolution No. 139856 | SOQ 22-034



*Submitted To:*



**Jefferson Parish Council**  
**General Government Building**  
**200 Derbigny Street, Suite 6700**  
**Gretna, LA 70053**

*Submitted By:*

***ECM Consultants, Inc.***

1301 Clearview Parkway, Suite 200, Metairie,  
Louisiana 70001

Telephone: 504-885-4080 • Fax: 504-885-1439

[kazem@ecmconsultants.com](mailto:kazem@ecmconsultants.com)

**August 5, 2022**

# ***ECM Consultants, Inc.***

***Engineers • Architects • Construction Managers***

Email: [mail@ecmconsultants.com](mailto:mail@ecmconsultants.com)    Web: [www.ecmconsultants.com](http://www.ecmconsultants.com)

1301 Clearview Parkway, Suite 200  
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August 5, 2022

Jefferson Parish Council  
General Government Building  
200 Derbigny Street, Suite 6700  
Gretna, LA 70053

Re:

Program Managements for Water Pipeline Infrastructure Improvements  
**Resolution No. 139856 | SOQ 22-034**

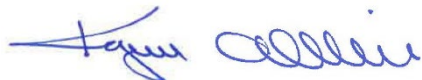
Jefferson Parish Council:

ECM Consultants, Inc. is a full-service licensed engineering, Program and construction management firm headquartered in Metairie, LA, offering a broad array of talent and expertise relevant to this RFQ. We are pleased to submit one (1) electronic copy of our Statement of Qualifications (TEC Questionnaire) for the above referenced project.

ECM has provided program management for various types of projects including water line improvement projects. Tasks included project scoping and budget, general and constructability reviews of plan and specifications prepared by consultants, scheduling of design work, review of all invoices, scheduling of construction work, construction change orders, coordination with project consulting engineers, permitting, construction administration, and resident inspection. Our TEC questionnaire will demonstrate that our key personnel have extensive relevant experience and are highly qualified to perform the required services.

We hope our interest will receive favorable consideration. Should you have any questions or require any additional information, please contact me.

Sincerely,



Kazem Alikhani, P.E.  
Chief Executive Officer

**A. Project Name and Advertisement Resolution Number:**

**Program Management of Water Pipeline Infrastructure Improvements**

**Resolution No. 139856, SOQ 22-034**

**B. Firm Name & Address:**

***ECM Consultants, Inc.***

1301 Clearview Parkway, Suite 200

Metairie, LA 70001

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

**Principal:**

**Kazem Alikhani, P.E., CEO**

**Louisiana Licensed Professional Engineer**

**P.E. License No. 25073**

**Tel: (504) 885-4080 Fax: (504) 885-1439**

**Email: [kazem@ecmconsultants.com](mailto:kazem@ecmconsultants.com)**

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

**Chris Capretto, P.E.**

**Louisiana Licensed Professional Engineer**

**P.E. License No. 38641**

**Tel: (504) 885-4080 Fax: (504) 885-1439**

**Email: [ccapretto@ecmconsultants.com](mailto:ccapretto@ecmconsultants.com)**

**John Foley, P.E.**

**Louisiana Licensed Professional Engineer**

**P.E. License No. 42740**

**Tel: (504) 885-4080 Fax: (504) 885-1439**

**Email: [jfoley@ecmconsultants.com](mailto:jfoley@ecmconsultants.com)**

**Program Manager/Professional in charge of Project**

**Sunina Shrestha, P.E.**

**Louisiana Licensed Professional Engineer**

**P.E. License No. 37901**

**Tel: (504) 885-4080 Fax: (504) 885-1439**

**Email: [sshrestha@ecmconsultants.com](mailto:sshrestha@ecmconsultants.com)**

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

<u>8</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>1</u> Architects (Licensed)	<u>0</u> Geologists	<u>3</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>12</u> Civil Engineers	<u>0</u> Interior Designers	<u>4</u> Project Managers
<u>26</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>0</u> Ecologists	<u>0</u> Land Surveyor	<u>1</u> Grant/Funding Specialist
<u>1</u> Electrical Engineers	<u>2</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>4</u> Engineer Intern	<u>0</u> Environmental Engineers	
<u>    </u> Professional Land Surveyors		<b><u>62</u> TOTAL</b>

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1. N/A

2. N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
YES \_\_\_\_\_ NO \_\_\_\_\_ N/A

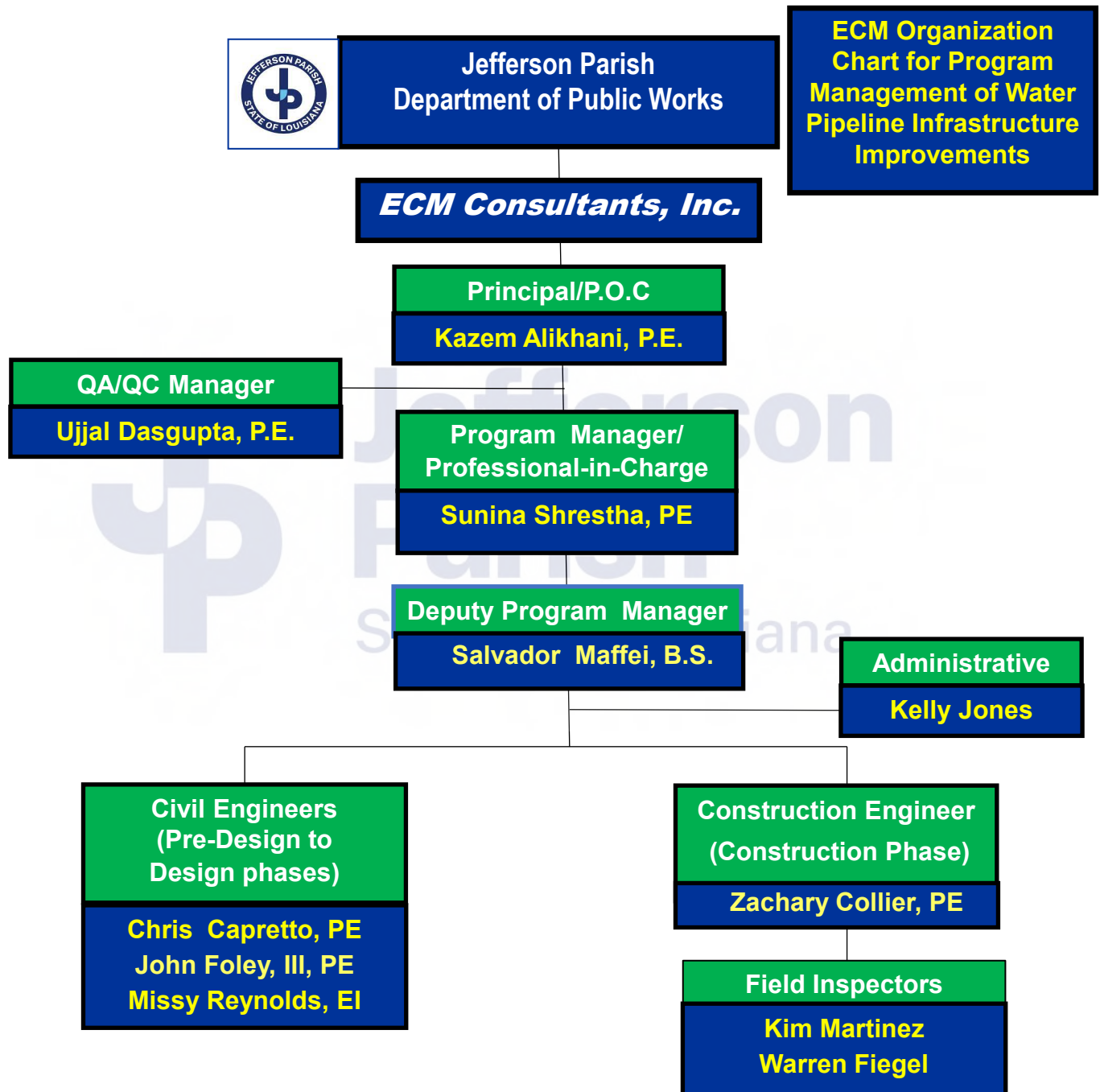
**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary. NONE**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. NA		
2.		
3.		
4.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**  
6-8

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 page if necessary.





**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Kazem Alikhani, P.E., Chief Executive Officer****Project Assignment:****Principal/ POC****Name of Firm with which Associated:****ECM Consultants, Inc.** **Years' experience with this Firm:****6****Education: Degree(s)/Year/Specialization:****M.S./1984/Civil, H&H Engineering; B.S./1980/Mechanical Engineering****Active registration: Year first registered/discipline:****1992/Mechanical & Environmental Engineering/LA License No. 25073****Other experience and qualifications relevant to the proposed Project:**

Mr. Alikhani has over **41 years of experience** in public works projects including planning, design and construction management. He spent a majority of his career working with Jefferson Parish Dept. of Public Works and was the Director of Public Works, responsible for all public works functions and overseeing an annual operating budget of \$200 million and a capital budget of over \$100 million. His public works oversight consisted of managing nine departments: drainage (canals, subsurface, pump stations), sewage (collection system and wastewater treatment plants), water (distribution and water treatment plants), streets (over 3,200 lane miles), parkways, environmental, Floodplain Management and Hazard Mitigation, engineering; Capital projects including planning, managing engineering and construction of capital project improvements. Mr. Alikhani was the 2012 recipient for "Lifetime Achievement Excellence in Government" by the BGR.

**Employment History:**

- ECM Consultants, Inc., *Chief Executive Officer (2016-Present)*
- Jefferson Parish DPW, *Director of Public Works (2010-2016)*
- Jefferson Parish DPW, *Director of Drainage (2004-2010)*
- Jefferson Parish DPW, *Asst. Director of Water (1995-2004)*
- Jefferson Parish DPW, *Drainage Dept. Engr. (1982-1994)*
- Guillot & Vogt Engineering, *Engineer (1980-1982)*

**Assistant Director, Department of Water, Jefferson Parish Dept. of Public Works, Jefferson Parish, LA:**

Mr. Alikhani assisted in the administration and management of all aspects of the Water Department operations, including operations of 140 MGD water treatment plants, maintenance and upkeep of **1,600 miles of distribution water lines**, and overseeing 140,000 utility billing accounts. He managed and coordinated capital projects ranging from \$300,000-\$25 million and developed a \$24 million annual operating budget. He managed and negotiated consultant engineering contracts, prepared engineering plans and specifications, and oversaw the GIS and SCADA systems of the department

**Water Line Replacement Program for S&WB of New Orleans- Read Blvd. Neighborhoods-East, Groups B,C,D and E,; New Orleans, LA:**

Mr. Alikhani supervised design, preparation PS&E and construction phase services for replacement of **16,859 LF of 8" water line** and **550 LF of 12" water line**, including valves, fire hydrants, disinfection, , connecting to existing mains and new service lines including temporary pavement restoration on Chrysler Street, King Richard Drive, Bright Dr., Chef Menteur Blvd., Coronado Dr., Hillwood St. and other streets in the neighborhood.

**Water Line Replacement Program for S&WB of New Orleans, Village De L'est, Groups New Orleans, LA:**

Mr. Alikhani provided project oversight for engineering design and preparation of PS&E for water line replacements in the Village De L'est neighborhood. The project includes replacement of design of **4,631 LF of 8" water lines** (PVC and ductile iron) and **1,532 LF 12" water lines** (PVC and ductile iron) for various streets including water valves and valve boxes, fire hydrants, disinfection, tie-in water house connections, water meters, and necessary offsets over the existing and proposed utilities.

**MoveBR Program Management for Community Enhancement, Improving Existing Corridors, and Traffic Management, City of Baton Rouge/Parish of East Baton Rouge, LA:**

Mr. Alikhani is serving as

project manager for ECM as the company performs as the subconsultant to team lead Stantec on this **\$313 million project to provide program management** for community enhancement, improvement of existing corridors and traffic management.

**Water Line Replacement Program for S&WB of New Orleans, Read Blvd. -West Neighborhoods, Group-C , New Orleans, LA:** Mr. Alikhani supervised engineering design, preparation of PS&E and construction phase services to replace **7,529 LF of 8" water line** and **650 LF of 12" water line** including valves, service lines, fire hydrants, temporary pavement restoration, and cost estimates.

**Potable Water Improvement Projects: As Assistant Director of the Department of Water for Jefferson Parish, Mr.** Alikhani's prime responsibility was operations and maintenance of Water Infrastructure that included water distribution system and the treatment plants. During his tenure in the Water Department, he planned, budgeted and managed the expansion of the west bank water treatment plan. The project involved increasing the water treatment capacity by 25 MGD, that also included chemical feed and electrical system upgrade, replacement of filter media with multimedia, air scour and SCADA system. Additionally, under his supervision, numerous new water lines were planned, designed and constructed to replace the old water lines with extensive repair history or install new water lines to eliminate dead end lines or loop the water lines. Furthermore, a 500,000-gallon water tower was constructed in Grand Isle and a **32 miles submarine 18" HDPE waterline** was designed and constructed from lower Lafitte to transfer 2 MGD of water to the island.

**Water Line Replacement for FEMA Recovery Roads, St. Bernard & City Park Neighborhoods, City of New Orleans, LA:** Mr. Alikhani provided project oversight for FEMA eligible repairs in the St. Bernard and City Park neighborhoods. Work included replacement of **water lines**, roadway rehabilitation involving base repairs, asphalt leveling course and overlay, drainage improvements, curb and sidewalk repairs.

**West Bank Water Treatment Plant, Marrero, LA:** Mr. Alikhani provided project oversight for the expansion of Sewerage Treatment Plan at Marrero involving civil and structural engineering designs, preparation of plans and specifications. Sludge Bay Extension - structural and civil design including, pile supported foundation, CMU building, modifications to the sludge dewatering room, roadway and drainage of impacted areas, preparation and submittal of design calculations for all structural requirements. Consolidated Expansion - structural and civil design of the consolidated expansion including structural design of pile supported concrete structures, modifications to head works building, design of roadways and drainage, design of pipe supports and bedding for underground piping, preparation and submittal of design calculations for all structural requirements, etc.

**Canal Crossing Water Line Replacement, Jefferson Parish, LA:** Mr. Alikhani managed in-house design, prepared plans and specifications for canal crossing water line replacement program and supervised outside contractors' construction activities to replace the crossings. Prepared bid documents and performed parish wide assessment of canal crossings water line and prioritized a replacement program.

**Point Repair Contract for Water Line Repairs, Jefferson Parish, LA:** Mr. Alikhani started the process of formulating contract to supplement the water department crews to repair and replace water lines, hydrants and valves parish wide. He managed to budget, work orders and supervised repair and replacement program. He monitored the budget and approved invoices for payment.

**Distribution System Hydraulic Modeling, Jefferson Parish, LA:** Mr. Alikhani initiated a hydraulic modeling program of major water line distribution and transmission water line in Jefferson Parish. Under his supervision this program identified deficiencies in the Jefferson Parish Water Distribution System. He planned and budgeted many improvements as the result of this hydraulic modeling that included elimination of some dead-end watering by looping installation of major water lines such as the **18" water line** in Terrytown to increase pressure in the area. He was also involved in Kenner water line that connected South Kenner to North Kenner by installing **18" water line** in the airport tunnel under the East-West runway to increase water pressure in Kenner area.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Ujjal DasGupta, P.E., President****Project Assignment:****QA/QC Manager****Name of Firm with which Associated:****ECM Consultants, Inc.** **Years' experience with this Firm:****27****Education: Degree(s)/Year/Specialization:****B.S./1968/Civil Engineering****Active registration: Year first registered/discipline:****1982/Civil Engineering/LA License No. 19849****Other experience and qualifications relevant to the proposed Project:**

Mr. DasGupta has over **51 years of experience** in the fields of civil and structural engineering, project management, and construction engineering. He has been responsible for managing design and construction engineering services for many major streets, drainage system, **water lines with all appurtenances**, sewer mains etc. for the City of New Orleans, Jefferson Parish, City of Kenner, and for LADOTD.

**Employment History:**

- ECM Consultants Inc., LA, *President (1995-present)*
- C&S Consultants, Inc., LA, *Vice President (1983-1995)*
- Pepper & Associates & Kiddie Consultants, LA, *Sr. Engineer (1980-1983)*
- McDermott, Inc., LA, *Sr. Structural Engineer (1980-1982)*
- Dunbar & Dickson, Inc., TX, *Project Engineer (1976-1980)*
- Public Works Department., India, *Assistant Engineer (1968-1976)*

**Program Management for Katrina Damaged Repairs to Water Systems, S&WB of New Orleans:** Mr. DasGupta served as Principal of ECM for this \$73 million contract for repairs to water system as subconsultant to CH2M Hills. ECM provided program management support involving **constructability reviews of plans specifications and document control**. ECM also provided construction management and inspection services for all construction projects at Central Yard and Carrollton Water Treatment Plant under this program. Work at the Carrollton Main Water Treatment Plant included **replacement of ductile iron yard piping of various sizes including fittings and valving etc.** Document control included uploading daily reports to Primavera Contract Manager (PCM), change order management, maintaining RFI's & PCO's and logs, meeting minutes and all project related documents.

**Water Line Replacement Program for Village De L'est, S&WB of New Orleans, New Orleans, LA:** Mr. DasGupta served as Principal for water line replacements in the Village De L'est neighborhood. The project includes replacement of **11,501 LF of 8" Waterline** and **650 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration on various streets in the neighborhood.

**Water Line Replacement Program for Read Blvd. Neighborhoods East Group I, S&WB of New Orleans, New Orleans, LA:** Mr. DasGupta served as Principal to replace **16,859 LF of 8" Waterline** and **550 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration on Chrysler Street and King Richard Drive, Bright Drive, Chef Menteur Blvd., Coronado Drive, Hillwood Street and other streets.

**Water Line Replacement Program for Read Blvd. West Neighborhoods, S&WB of New Orleans, New Orleans, LA:** Mr. DasGupta served as Principal for engineering services to replace **4,631 LF of 8" Waterline** and **1,550 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration.



**Water System Relocation for Jefferson Avenue (S. Claiborne Ave- Dryades Street) New Orleans, LA:** Mr. DasGupta served as Project Manager for ECM for this \$50 million SELA-funded project involving reconstruction of Jefferson Avenue (S. Claiborne Avenue to Dryades Street) in connection with construction of the major drainage box culvert in the roadway median for the SELA program. ECM performed hydrologic and hydraulic analysis to determine size of drain lines, engineering design, preparation of plans and specifications, and estimates for roadway reconstruction and related work, **relocation of 12" water lines** including valves, manholes etc. and sewer lines.

**Replacement of Water Distribution Lines for East Cargo Road and Utilities Project for New Orleans Aviation Board:** Mr. DasGupta served as Project Manager for this project involving design and preparation of plans and specifications and construction phase services for this \$ 8.7 million East Air Cargo Roads and utilities project at Louis Armstrong New Orleans International Airport. The project included **replacing all water distribution lines** in the project area and tie-in to the main distribution line at Airline Highway.

**Improvements to the Carrollton Water Treatment Plant, New Orleans, LA:** Mr. DasGupta provided engineering services for a study, modifications, and improvements to Sewerage & Water Board's Carrollton Water Treatment Plant to meet the requirements of the "Safe Drinking Water Act"

**Waterline Relocation for Rehabilitation of S. Claiborne Avenue (Jena Street to Louisiana Avenue):** Mr. DasGupta served as Project Manager for ECM for this project involving relocation/modification of a **42" water line** in connection with S. Claiborne area drainage improvements for the U.S. Army Corps of Engineers and S&WB of New Orleans.

**Replacement of Water Distribution system for St. Bernard Housing Development, New Orleans, LA:** Mr. DasGupta supervised this \$11 million project involving **replacement of water**, sewer, and drainage systems at St. Bernard Housing Development.


**Minor Streets in District "E", City of New Orleans DPW, New Orleans, LA:** Mr. DasGupta served as Project Manager for design and construction inspection of this \$2.6 million roadway improvements project which included replacement of subsurface drainage, **water lines** and sewer system for Carney, Knights, Dreaux, and Forstall Streets.

**Water Line Replacement for Gravier Street Improvements, City of New Orleans-DPW, New Orleans, LA:** Mr. DasGupta served as Project Manager for this \$5.8 million project involving design for PCC roadway, storm drainage, and **20" water line** including valves, manholes and fire hydrants etc. for reconstruction of Gravier Street between S. Galvez and Broad

**Aircraft Rescue and Fire Fighting Building (ARFF) at LANOIA, New Orleans Aviation Board, Kenner, LA:** This project involved A-E design of a new \$10 million, 24,000 sf Aircraft Rescue and Fire Fighting building including pavement, **water lines**, wastewater, and storm drainage design, and site paving. As Joint Venture partner, Mr. DasGupta served as the Assistant Project Manager.

**Water Line Replacement for FEMA Recovery Roads, St. Bernard & City Park Neighborhoods, City of New Orleans, LA:** Mr. DasGupta served as Project Manager for design services for FEMA eligible repairs in the St. Bernard and City Park neighborhoods. Work included **replacement of water lines**, roadway rehabilitation involving base repairs, asphalt leveling course and overlay, drainage improvements, curb and sidewalk repairs.

**Napoleon Ave. Rehabilitation (S. Claiborne to Carondelet St.), S&WB of New Orleans, New Orleans, LA:** Mr. DasGupta served as Principal for ECM for this \$55.1 million SELA-funded project involving design and preparation of plans, specifications and cost estimates (PS&E) for reconstruction of Napoleon Ave. from S. Claiborne to Carondelet St. in connection with construction of the concrete box culvert in the Napoleon Ave. median. Work also included **replacement of water lines including all appurtenances** and sewer mains. Design work was coordinated with USACE, Sewerage & Water Board of New Orleans, and City of New Orleans DPW.

PROFESSIONAL IN CHARGE OF PROJECT:	
<b>Name &amp; Title:</b>	
	<b>Sunina Shrestha, P.E., Engineering Manager</b>
<b>Project Assignment:</b>	
	<b>Program Manager, Professional In Charge of Project</b>
<b>Name of Firm with which Associated:</b>	
	<b>ECM Consultants, Inc.</b> 
<b>Years' experience with this Firm:</b>	
	<b>16</b>
<b>Education: Degree(s)/Year/Specialization:</b>	
	<b>M.S./2008/Civil Engineering, Water Resources, and Environmental Engineering</b>
<b>Active registration: Year first registered/discipline:</b>	
	<b>2013/Civil Engineering/LA License No. 37901</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Ms. Shrestha has <b>16 years of experience</b> in Program management, Project management, analysis and design and construction administration of streets, <b>water</b>. sewer and drainage, systems. Projects involved reconstruction, rehabilitation, new construction as well as upgrade of drainage, water and sewer systems. In her role as engineering manager, she supervises other engineers, provides quality assurance reviews of PS&amp;E, performs engineering review of design and construction plans and specifications prepared by various other consultants for conformance with project scope and budget and conformance with design standards for various roadway, drainage, <b>water distribution system</b>, and sewer collection system projects.</p> <p><b>Employment History:</b></p> <ul style="list-style-type: none"> <li>• ECM Consultants Inc., LA, <i>Civil Engineer (2009-present)</i></li> <li>• UAH, <i>Graduate Research Assistant in Civil Eng. (2007)</i></li> <li>• RITI Consultancy Pvt. Ltd., Nepal, <i>Field Engineer (2005)</i></li> </ul> <p><b>Program Management for Water line replacement for S&amp;WBNO:</b> Ms. Shrestha is managing the S&amp;WB Waterline replacement program for ECM. Under this program she worked with sub consultants, S&amp;WB representatives. CONO- DPW Project Mangers, utility companies and various road design consultants to finalize the construction plans as per project scope. She also oversaw the construction phase services and worked with subconsultants, contractor and DPW engineers. ECM performed the following projects under this program:</p> <ul style="list-style-type: none"> <li>• <b>Water Line Replacement Program for S&amp;WB of New Orleans for Read Blvd. Neighborhoods-East, Groups B,C,D, and E, New Orleans, LA:</b> Ms. Shrestha serves as Project Manager for this Waterline replacement program. Under this program she provided project management, oversaw design and construction phase services to replace <b>16,859 LF of 8" Waterline</b> and <b>550 LF of 12" waterline</b> including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration. Work involved coordination with S&amp;WB, DPW project managers and their road design consultant, utility companies and DOTD. Ms. Shrestha is also managing construction administration and is coordinating with the contractor, DPW project manager and residents.</li> <li>• <b>Water Line Replacement Program for S&amp;WB of New Orleans for Village De L'est Neighborhood, Group B and C, New Orleans, LA:</b> Ms. Shrestha serves as the Project Manager for this Waterline replacement program. Under this program she provided project management, oversaw design and construction phase services to replace <b>4,631 LF of 8" Waterline</b> and <b>1,550 LF of 12" waterline</b> including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration. Work involved coordination with S&amp;WB, DPW project managers and their road design consultant, utility companies and DOTD. Ms. Shrestha is also</li> </ul>	

managing construction administration and is coordinating with the contractor, DPW project manager and residents.

- **Water Line Replacement for , S&WB of New Orleans, Read Blvd. West Neighborhoods, Group- C, New Orleans, LA:** Ms. Shrestha serves as project Manager to replace **11,501 LF of 8" Waterline** and **650 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration. Work involved coordination with S&WB, DPW project managers and their road design consultant, utility companies and DOTD. Ms. Shrestha is also managing construction administration and is coordinating with the contractor, DPW project manager and residents.

**MOVEBR Program Management for Roadway Enhancement Program, Parishwide Synchronization and Communication Traffic Signal Connection and Communications, Phases 2 and 3, Parish of East Baton Rouge.** Under the **\$330 million** MOVEBR Roadway Enhancement program, Ms. Shrestha supervised engineering design services for this **\$8 million** project involving installation of over **100 miles of fiber optic lines within streets ROW** for connecting to signals scattered all over the Parish. ECM is providing engineering and construction management services to this project as subconsultant to Stantec. She reviewed city utility maps and assisted engineers to determine approximate location of all existing utilities within the ROWs and to locate best alignments for fiber optic lines to avoid conflicts with other utilities during installation.


**Lakeshore Drive, Group E, DPW of New Orleans, New Orleans, LA:** Ms. Shrestha served as project manager and also performed design services to replace **1,500 LF of 8" Waterline** and **400 LF of 12" waterline** including valves, fire hydrants, disinfection, connecting to existing mains and new service lines including temporary pavement restoration. The design work involved coordinating with subconsultants, S&WB, DPW, Utility companies and DOTD. Work also involved coordinating with S&WB **FEMA waterline consultants and review waterline plans.**

**Lake Terrace and Oaks Group C, DPW of New Orleans, New Orleans, LA:** Ms. Shrestha served as Project Manager for this project that involved replacement of **8,000 LF of 8" Waterline** and **1,660 LF of 12" waterline** including valves, fire hydrants, disinfection, connecting to existing mains and new service lines including temporary pavement restoration for this project. The design work involved coordinating with subconsultants, S&WB, DPW, Utility companies and DOTD. It also involved coordinating with S&WB FEMA waterline consultants and review waterline plans.

**Replacement of Water Line for Gravier Street Improvements; New Orleans, LA:** This City of New Orleans roadway reconstruction project involved design of **new 20" water lines including all appurtenances**, drainage lines and service lines as a part of roadway reconstruction. Ms. Shrestha served as Project Manager and performed and supervised civil engineering design work and managed construction administration services for this \$5.8 million project.

**Water System Relocation for Jefferson Avenue, S&WB of New Orleans and USACE; New Orleans, LA:** This project consisted of design for removal and replacement of roadway, sewer and water line relocations, in connection with construction of a box culvert in the median of Jefferson Ave. Design work was coordinated with both USACE and the S&WB of New Orleans. Ms. Shrestha provided engineering design for roadway, roadway drainage, and **relocation of water** and sewer lines.

**Relocation of Waterline for Napoleon Avenue, S&WB of New Orleans and USACE; New Orleans, LA:** Ms. Shrestha provided civil engineering design for this project that included design and preparation of plans, specifications, and estimates for roadway removal and reconstruction; replacement of **12" water mains and 20" D.I waterline offset**, sewer mains, including service lines and new subsurface drainage within the project.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	
Salvador Maffei, Water Systems Project Manager	
<b>Project Assignment:</b>	
Deputy Program Manager	
<b>Name of Firm with which Associated:</b>	
ECM Consultants, Inc.	
<b>Years' experience with this Firm:</b>	
1	
<b>Education: Degree(s)/Year/Specialization:</b>	
Louisiana State University / 1984 / BS Chemistry	
<b>Active registration: Year first registered/discipline: NA</b>	
Louisiana Certified Operator (Class III Water Production, Class III Water Treatment)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Mr. Maffei has <b>35 years of experience in water quality and distribution systems</b>. Over his career, Mr. Maffei fulfilled the role of Technician, Scientist, and Chief Chemist of the Jefferson Parish Water Quality Laboratory. Additionally, he served as <b>Director of the Water Department</b> for the last four (4) years of his career with the Jefferson Parish. Mr. Maffei is an expert at water quality chemistry and is intimately familiar with compliance with Louisiana Department of Health (LDH) and the Environmental Protection Agency (EPA) regulations.</p> <p>Mr. Maffei 's experience as a chemist in the Water Quality Lab involved resolution of distribution system water quality including waterline chlorine residual failures to waterline disinfection failures and strategies for meeting the stringent water quality regulations required by the sanitary code, a comprehensive procedure of analysis of the distribution system is usually necessary to resolve these problems.</p> <p>Mr. Maffei has established a working relationship with Louisiana Department of Health and Hospitals for many years addressing and resolving deficiencies noted in sanitary surveys of the East and West bank treatment plants and distribution systems including Grand Isle. Having a complete knowledge of the Louisiana Sanitary Code Part 12 Water Supplies, and Ten States Standards ensures compliance with the state code <b>during construction, disinfection and tie into service of new water lines</b>.</p> <p><b><u>Employment History:</u></b></p> <ul style="list-style-type: none"> <li>• ECM Consultants Inc, <i>Water Systems Project Manager (2020-to date)</i></li> <li>• <b>Jefferson Parish, Director of Water (2014-2020)</b></li> <li>• Jefferson Parish, <i>Chief Chemist (2007-2014)</i></li> <li>• Jefferson Parish, <i>Water Quality Scientist and Technician (1985-2007)</i></li> </ul> <p><b>Central Avenue Waterline Upgrade Project : JPPW-2013-019-WR</b></p> <p>The Water Department component of the project consisted of approximately 2 miles of new 12-inch waterline replacing the existing undersized and hydraulically insufficient 6-inch line along Central Avenue from Airline Drive to Jefferson Highway. As Water Director, using the information provided by the hydraulic evaluation of Central Avenue and Jefferson Highway, it was determined that improvement in this line would improve the water quality and pressure in the Old Jefferson area. The total project cost is approximately \$5 million dollars and will be completed in two phases.</p>	

#### **River Road Waterline Upgrade: Willswood Lane to the South Kenner Road along River Road.**

Mr. Maffei was concerned with water quality problems in the Waggaman area due to insufficient water flow and long residence times in the distribution system. The waterline along River Road could not supply sufficient water volume to the industrial users and the residential areas that were being developed in the Waggaman area. The water quality issue of insufficient chloramine residual, necessary to meet the new Louisiana State requirements, and the flow and pressure fluctuations were resolved with the completion of the waterline upgrade along River Road.

#### **Jefferson Parish Water Treatment Plant Upgrade: JPPW-2016-006-WR**

Mr. Maffei was responsible for the determination of the scope of the project for the building of the new Water Quality Laboratory and the new East bank Treatment Plant Upgrade project. The Laboratory was designed to be approximately 10,000 square feet at a cost of 5-6 million dollars and the treatment facility was designed to be approximately 40 MGD capacity expandable to 60 MGD at a later date at a cost of approximately 75-85 million dollars. Engineering of the project was evaluated by the Water Director, Chief Chemist, Assistant Director and Water Treatment Plant supervisor at the various submittal percentages. The overall cost of the engineering was approximately 8 million dollars.

#### **Grand Isle Water Meter Removal and Installation JPPW-2015-047-WR**

Mr. Maffei served as Director of Water Department for Jefferson Parish for four years. Under his direction and initiative, the Grand Isle water meter system was converted from conventional meter reading to an **automated meter reading (AMR)** system with provision to **upgrade for AMI** due to the fact that Grand Isle System posed many challenges. It was decided to use this system as a pilot project for **AMR with the possibility of upgrading to an AMI system**. The project consisted of the removal of the existing meters with the installation of new AMR ready meters compatible with the Jefferson Parish Department of **Water's Itron system**. The installation included new meters, ERT and meter boxes with all equipment, materials supplies, personnel, and transportation services essential to fulfill the contract bid. Each meter had the GPS coordinates determined and listed in an Excel spreadsheet so that each meter could be in the event that it was lost or buried after hurricane or tidal activity. The total cost of the project was approximately \$800,000 which included the purchase of **1200 meters**, meter boxes, new covers, **electronic transmitters** and all associated engineering management and inspection fees.

#### **Advanced Metering Infrastructure (AMI) for Jefferson Parish**

During his tenure as Director of the Water Department, Mr. Maffei prepared the RFP for **the AMI project** for Jefferson Parish. The proposal divided the project into two components: **commercial and residential** with the commercial component implemented first so that billing problems which could arise with a new system could be resolved for the smaller number of accounts (less than 5000), and thereafter when all the issues are resolved, the **AMI system network** could be established and verified as effective before implementing for the entire residential component, approximately 145,000 accounts.

#### **HMI interface project: East Bank Water Treatment Plant**

As Director of Water Department, Mr. Maffei determined there was a need to upgrade the RTU's at the East Bank Treatment plant due to the age of the existing hardware and failure rate of the equipment. The project cost \$700,000 and the upgrades were sufficient to keep the daily recording of SCADA data intact and Jefferson Parish was able to continue to create the required monthly reports to the Louisiana Department of Health and Hospitals without interruption. Equipment failures would lead to losses of data and this would then result in citations from LADHH.



**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Kelly Jones, Administrative Assistant****Project Assignment:****Administrative****Name of Firm with which Associated:****ECM Consultants, Inc. ****Years' experience with this Firm:****14****Education: Degree(s)/Year/Specialization:****College Coursework / 1997****Active registration: Year first registered/discipline:****NA****Other experience and qualifications relevant to the proposed Project:**

Ms. Jones has over **28 years of experience** in document control management and administration of several major public construction projects across Louisiana. She is detail oriented, thorough, communicative and experienced in her field. Ms. Jones is proficient with a variety of computer software, some of which include ProjectWise (LADOTD), RMS (USACE), Primavera Contract Manager (PCM), Financial Management System (CEFMS- USACE) Microsoft Word, Excel and Outlook.

**Employment History:**

- ECM Consultants Inc., LA, (2009-present)

**Document Control Manager for Program Management for Katrina Damage Repairs to Water System, S&WB of New Orleans, New Orleans, LA.**

ECM assigned Ms. Jones as Document Control Manager for various construction projects under this **\$73 million** contract, as the major subconsultant to CH2M Hill. Her responsibilities included:

- Use of Primavera Contract Manager (PCM) database software to keep all project information such as documents, daily reports, submittals, RFIs, Test reports, RFCs, change orders, schedules, meeting minutes, etc.
- Maintaining logs of all Submittals, RFIs, NRCs, (new, overdue or closed out), Requests for Change (RFC), Change Orders including tracking, and compiling a spreadsheet for bi-weekly progress meetings for resolutions.
- Gathering meeting minutes and sign-in sheets for bi-weekly project meetings. Uploading minutes to PCM and the server. Emailing minutes, sign-in sheet and any meeting handouts to all meeting attendees
- Maintaining contractor's construction schedules including updates and assist PM in tracking progress against schedule.
- Gathering daily reports from inspectors and the contractor to upload the reports to PCM and the shared drive.
- Generating Payment Applications and Change Orders for Program Manager's signature, scanning, emailing and compiling the Pay Application to send to S&WB.
- Generating transmittals for all documents being sent to S&WB.
- Maintaining hard copies of all contract documents and all other documents for the official file.

- PDF, label and file project emails in the project files.
- Use of **SharePoint to update** the Bi-Weekly Team Meeting.

**I-10: Highland to LA 73 Design-Build Project, S.P. No. 009250 LADOTD, East Baton Rouge/Ascension Parish, LA:** Ms. Jones provided Document Control and administrative support services for construction of this **\$72 million** design-build project involving widening of I-10 from four to six lanes in both east and westbound directions, rehabilitation of two bridges and construction of two new bridges over I-10 and construction of deceleration and acceleration lanes at the Highland Road and LA 73 interchanges.

She is responsible for document control, data management and providing administrative support to Project Manager and coordinating with Project Engineer and Lead inspector. She maintained all documentation and resolution of all Non-Conforming Reports (NCRs).

**USACE Contract No. W912P8-07-D-0067, New Orleans District, IDIQ Contract for Construction Management Services, LA:** Under this **\$65 million (Fees) IDIQ CM contract** for USACE (prime), Ms. Jones, for over 5 years, provided document control management and administrative support services for **construction management** and quality assurance inspections. This was a part of the \$14.7 Billion, federally funded Hurricane Katrina damage repairs and upgrades projects administered by the U.S. Army Corps of Engineers - New Orleans District.

She worked with the Corps of Engineers Financial Management System (CEFMS) including obligating funds for assigned appropriations, **processing modifications (change Orders)**, keeping contractors informed during process, and working with five Resident Engineers to ensure process is complete. Additionally, she worked with the quality management and contract administration system and was responsible for maintaining documents, such as **RFIs, RFCs, daily reports**, assisting Resident Engineers in processing contractor's pay application etc.

Ms. Jones' experience also includes coordinating with contractors on status of modifications/change orders, obtaining approvals and signatures for modifications to construction contracts, closing out modifications and change orders, and importing final documents into the Resident Management System (RMS) database. She was also responsible for preparing Monthly Expense Reports, running budget reports, scheduling conferences, meetings, and preparing necessary paperwork for salvaging properties.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Christopher Capretto, P.E., Civil Engineer****Project Assignment:****Civil Engineer****Name of Firm with which Associated:****ECM Consultants, Inc.****Years' experience with this Firm:****10****Education: Degree(s)/Year/Specialization:****B.S./2009/Civil Engineering****Active registration: Year first registered/discipline:****2014/Civil Engineering/LA License No. 38641****Other experience and qualifications relevant to the proposed Project:**

Mr. Capretto has **14 years of experience** in civil engineering design for roadways including horizontal and vertical alignments and pavement section design, storm water drainage system and **water** and sewer systems design. His participation in projects involving project management, design of steel and concrete structures, design of drainage pump stations and coordination with clients representatives.

**Employment History:**

- ECM Consultants, Inc., LA, *Civil Engineer (2014-present)*
- Atlas Engineering, Inc./S&B Infrastructure, Ltd., *Civil Engineer (2008-2014)*

**Water Line Replacement Program for Read Blvd. Neighborhoods – West, Group-C, S&WB of New Orleans, New Orleans, LA:** Mr. Capretto provided design services and cost estimates for replacement of **11,501 LF of 8" Waterline** and **650 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration.

**Water Line Replacement Program for Read Blvd. Neighborhoods - East Groups B,C,D and E , S&WB of New Orleans; New Orleans, LA:** Mr. Capretto provided engineering design services to replace **16,859 LF of 8" Waterline** and **550 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration 1075 LF of 8" water line on Chrysler St. and King Richard Dr., Bright Dr., Chef Menteur Blvd., Coronado Dr., Hillwood St., and other streets.

**Water Line Replacement for FEMA Recovery Roads, St. Bernard & City Park Neighborhoods, City of New Orleans, LA:** Mr. Capretto provided civil design services for FEMA eligible repairs in the St. Bernard and City Park neighborhoods. Work included replacement of **water lines**, roadway rehabilitation involving base repairs, asphalt leveling course and overlay, drainage improvements, curb and sidewalk repairs.

**Water Line Replacement for Village De L'est, S&WB of New Orleans, New Orleans, LA:** Mr. Capretto performed engineering design and prepared PS&E for water line replacements in the Village De L'est neighborhood. The project includes replacement of this program she provided project management, oversaw design and construction phase services to replace **4,631 LF of 8" Waterline** and **1,550 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration.

**Program Management for 2017 Jefferson Parish Road Bond Program, Jefferson Parish DPW, Eastbank of Jefferson Parish, LA.** Mr. Capretto is involved in **review of plans and specifications** prepared by various consultants for multiple roadway projects that include roadway reconstructions, drainage upgrades and **relocations of water line** and sewer systems at conflicts for this program. He also performs **construction phase services involving quality assurance site visits** and documentation of projects status.

**Gravier St. Improvements (S. Galvez to S. Broad), City of New Orleans DPW; New Orleans, LA:** Mr. Capretto provided **construction administration** services for this **\$5.8 million** project as Assistant Project Engineer. He was also involved in design, preparation of plans and specifications, and cost estimates for roadway reconstruction including storm drainage and **new water lines** and sewer system.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****John Foley, P.E., Civil Engineer****Project Assignment:****Civil Engineer****Name of Firm with which Associated:****ECM Consultants, Inc.****Years' experience with this Firm:****3****Education: Degree(s)/Year/Specialization:****B.S./2014/Civil Engineering****Active registration: Year first registered/discipline:****2018/Civil Engineering/LA License No. 42740****Other experience and qualifications relevant to the proposed Project:**

Mr. Foley is a Registered Professional Engineer with **8 years of experience** designing public works projects including feasibility studies, environmental assessments, roadway, drainage, water and sewer systems improvements design.

**Employment History:**

- ECM Consultants Inc., Metairie, LA, *Civil Engineer (2019-to date)*
- Buchart Horn, Inc., Kenner, LA, *Project Engineer (2014-2019)*
- HNTB, Baton Rouge, LA, *Engineering Intern (2013-2014)*
- LSU, Baton Rouge, LA, *Design Engineer and CAD Technician (2013-2014)*

**City Park Group - A, New Orleans, LA:** Mr. Foley is serving as the **Project Engineer** for this construction engineering services for this **\$8.6 million** City Park Group-A project area. The project scope includes full reconstruction and rehabilitation of multiple streets in City Park Group-A project area. Work included reconstruction of PCC roadway including all roadway intersections and sidewalks with ADA ramps, new drainage system and **replacement of water lines** and sewer mains.

**Program Management for 2017 Jefferson Parish Road Bond Program, Jefferson Parish DPW, Eastbank of Jefferson Parish, LA.** Mr. Foley is involved in **review of plans and specifications** prepared by various consultants for multiple roadway projects that include roadway reconstructions, drainage upgrades and **relocations of water line** and sewer systems at conflicts for this program. This program currently has a construction budget of \$208 million as of 2021.

**Water Line Replacement Program for Read Blvd. Neighborhoods- West, S&WB of New Orleans, New Orleans, LA:** Mr. Foley provided design services and prepared PS&E to replace **11,501 LF of 8" Waterline** and **650 LF of 12" waterline** including valves and valve boxes, fire hydrants, house connections with water meters and temporary pavement restoration..

**West Bank Group B Street Improvements, City of New Orleans, LA.** Mr. Foley provided engineering services for preliminary and final design plans for a designated list of streets to be enhanced in the West Bank regional area of New Orleans. The primary enhancements include mill and overlay with full depth patching, other incidental road repairs and drainage improvement and **water line relocations** at conflicts in certain sections of the project area.

**Lake Terrace Oaks, Group-C, and Lake Shore Area Group-E, Roadway Improvements, City of New Orleans, LA.** Mr. Foley provided engineering design services for these projects that involve complete reconstruction of **20 blocks** of PCCP roadway including subsurface drainage system, **replacement of water** and sewer systems. Work included PCC paving, new base, concrete curb, sidewalks, driveway aprons and ADA compliant ramps at roadway intersection.

**Gentilly Terrace Group E; New Orleans, LA:** Mr. Foley provided design services for this roadway reconstruction project that involved design and preparation of plans, specifications and estimate (PS&E) for removal and replacement of PCC and asphalt roadway and H&H analysis for drain system design, **water systems relocation**.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Missy Reynolds, E.I., Deputy Project Manager****Project Assignment:****Civil Engineering Design Reviews****Name of Firm with which Associated:****ECM Consultants, Inc.****Years' experience with this Firm:****5****Education: Degree(s)/Year/Specialization:****B.S./1994/Civil Engineering****Active registration: Year first registered/discipline:****1995/Civil Engineering/ E.I. LA No. 16639****Other experience and qualifications relevant to the proposed Project:**

Ms. Reynolds has **27 years of experience** in program management, Project Management and engineering support for construction of roadways, **water lines and facilities**, canals and drainage and structures. She has provided oversight for civil and hydraulic studies, reconstruction, new construction and other improvements across the Greater New Orleans region.

**Employment History:**

- ECM Consultants Inc., LA, *Deputy Program Manager (2017-present)*
- Barowka & Bonura Engineering & Consultants, LLC, LA *Senior Project Manager/Construction Manager (2008-2017)*
- URS Corporation, LA, *Senior Project Manager (1998-2008)*
- Frederic R. Harris, *Project Engineer (1996-1998)*
- C&S Consultants, *Project Engineer (1994-1996)*

**Program Management for 2017 Jefferson Parish Road Bond Program, Jefferson Parish DPW, Eastbank of Jefferson Parish, LA.** Ms. Reynolds is serving as the Deputy Program Manager for this program. Work includes **review of plans and specifications and cost estimates prepared by various consultants** for multiple roadway projects that include roadway reconstructions, drainage upgrades and **relocations of water lines** and sewer systems at conflicts. She is responsible for coordination with various design consultants, various utility entities, Jefferson Parish and attending progress meetings. She also performs **site visits** during construction for quality assurance.

**Poydras Street Reconstruction, New Orleans, LA:** Ms. Reynolds designed the complete reconstruction of the roadway and all subsurface utilities including approximately **4000 LF of PVC and ductile iron water line replacement**, major drain line and sewer line replacement. The water line was upgraded to meet current demand and included replacing all water house connections, valves, fire hydrants and connections to existing water lines.

**Martin Luther King JR Blvd, St. New Orleans, LA :** Ms. Reynolds designed the complete reconstruction of the 4-lane roadway and all subsurface utilities including about **3600 LF of water line replacement** and major drain line outfalls into an existing box culvert. The water line was upgraded to meet current demand and included replacing all water house connections, valves, fire hydrants and connections to existing water lines.

**W. Esplanade Avenue, Jefferson Parish, LA:** Ms. Reynolds oversaw the design and construction for the complete reconstruction of the roadway and including **3000 LF of water line replacement**, major drainage outfalls upgrades and replacements into the canal.

**W. Metairie Avenue, Jefferson Parish, LA:** Ms. Reynolds oversaw the design for the complete reconstruction of approx. 12,000LF of a 4-lane divided roadway including the installation of approx. 10, 000LF of vinyl sheet pile to stabilize the existing canal banks. The design also included **water line replacements**, offsets, new valves, fire hydrants, fittings, disinfection and new service lines.

**Labarre Rd, Jefferson Parish, LA:** Ms. Reynolds oversaw the design for the widening of the existing 2-lane roadway including the design of a **new water line for the length of the project** and extending the drain lines to new catch basins and junction boxes at the new curb line. The design included all fittings, valves, new water meters and fire hydrants and tying into an existing water vault.

**Mid-City Street Improvements, New Orleans, LA:** Ms. Reynolds designed the upgraded **water line** within a two-square mile area in a residential neighborhood. The upgrades included new fire hydrants, valves, and fittings to meet current design standards.



**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Zachary Collier, P.E., Civil Engineer/ Construction Project Engineer****Project Assignment:****Construction Engineering****Name of Firm with which Associated:****ECM Consultants, Inc.** **Years' experience with this Firm:****3****Education: Degree(s)/Year/Specialization:****B.S./2014/Civil Engineering****Active registration: Year first registered/discipline:****2018/Civil Engineering/LA License No. 42957****Other experience and qualifications relevant to the proposed Project:**

Mr. Collier is a construction engineer with total **eight (8) years of experience** working with ECM, the Coast Protection and Restoration Authority (CPRA) and LADOTD, where he managed construction administration, inspection, operations and maintenance phase of projects. He directed and supervised crews on highways and bridge construction projects.

**Employment History:**

- ECM Consultants Inc., Metairie, LA, *Construction Engineer (2019-to date)*
- CPRA, New Orleans, LA, *Construction, Operations and Maintenance Manager (2018-2019)*
- LADOTD, Baton Rouge, LA, *Assistant Project Engineer (Engineer Intern 2) (2017-2018)*
- LADOTD, Baton Rouge, LA, *Concrete Research Engineer (Engineer Intern 1 & 2) (2014-2017)*
- Professional Service Industries, Inc, Baton Rouge, LA, *Construction Services Technician, (March 2014 – August 2014)*

**Water Line Replacement Program, Read Blvd.- East Neighborhood – New Orleans, LA:** Mr. Collier served as a **Construction Project Engineer** for the Sewerage and Water Board of New Orleans Water Line Replacement Program. Replacement of waterlines included water line installation, valves, fire hydrants, manholes valve boxes, disinfection and new service lines and repair of water line breaks associated with paving. This project included **replacement of 2,540 LF of 8" water line and 525 LF of 12" water line.**

**Water Line Replacement Program, Read Blvd.- West Neighborhood – New Orleans, LA.** Mr. Collier served as a **Construction Project Engineer** for the Water Line Replacement Program. Waterlines were damaged because of standing floodwater in the area in the aftermath of hurricane Katrina. Replacement of waterlines included water line installation, valves, fire hydrants, manholes valve boxes, disinfection and new service lines and repair of water line breaks associated with paving. This project included **replacement of 8,604 LF of 8" water line and 650 LF of 12" water line.**

**Essen Lane Widening, East Baton Rouge Parish, LA:** Mr. Collier served on the Project Engineering team for this \$8 million widening project. Work included adding an additional travel lane on northbound Essen Lane, new signalized intersections, new ADA ramps at all driveways and intersections, and additional drainage capacity and **relocation of waterlines.**

**Water Line Replacement Program, Village De L'est Neighborhood – New Orleans, LA.** Mr. Collier served as **Construction Project Engineer** for the Sewerage and Water Board of New Orleans Water Line Replacement Program. Waterlines were damaged because of standing floodwater in the area in the aftermath of hurricane Katrina. Replacement of waterlines included water line installation, valves, fire hydrants, manholes valve boxes, disinfection and new service lines and repair of water line breaks associated with paving. This project included **replacement of 3,955 LF of 8" water line and 1,414 LF 12" water line.**

**City Park Neighborhood, Group - A, DPW New Orleans, LA** Mr. Collier served as **Construction project Engineer** for this **\$8.6 million** roadway improvement project. The project scope includes full reconstruction and rehabilitation of multiple streets in City Park Group-A project area. Work included reconstruction of PCC roadway including all roadway intersections and sidewalks with ADA ramps, new drainage system and **replacement of water lines** and sewer mains.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:****Name & Title:****Kim Martinez, Lead Construction Inspector****Project Assignment:****Construction Inspection****Name of Firm with which Associated:****ECM Consultants, Inc.****Years' experience with this Firm:****12****Education: Degree(s)/Year/Specialization:****High School Diploma****Active registration: Year first registered/discipline:****DOTD Certified Inspector****Other experience and qualifications relevant to the proposed Project:**

Ms. Martinez has **38 years of experience**. She worked for LADOTD for 30 years. She works from ECM's Metairie Office.

**Employment History:**

- ECM Consultants Inc., LA, *Senior Construction Inspector (2010-present)*
- Louisiana Department of Transportation and Development *Construction Inspector & Laboratory Technician (1980-2010)*


**DPW No. 2000-B01: Gravier St. (S. Galvez to Broad Street), City of New Orleans-DPW, LA:** Ms. Martinez provided inspection services for this **\$5.8 million** roadway reconstruction project involving roadway removal, new subsurface drainage involving installation of 24" to 42" RCP drain lines, catch basins, manholes and drain inlets, **20" waterline**, sewer lines, PCC roadways pavement, concrete sidewalks and driveways. She served as the **Lead construction inspector**, monitored all construction activities to ascertain compliance with plans and specifications in a safe manner, prepared daily reports, computed quantities of work items, reviews monthly pay estimates and coordinates with Project Engineer and contractor

**Westside Boulevard Road Extension (Marie Drive to St. Louis Canal); Terrebonne Parish, LA:** Ms. Martinez provided inspection services for this project that involved construction of new PCC pavement roadway for the extension of the existing Westside Boulevard from Marie Drive to St. Louis Canal. The scope of work included new drainage system, **water lines** and sewer lines, unclassified excavation, grading, lime treatment, class II base course, PCC Pavement, Superpave asphaltic concrete shoulders, and associated items.

**Fleur De Lis Drive Reconstruction (30th-Old Hammond Hwy), LADOTD; S.P. No. H.007259: Orleans Parish, LA.** Ms. Martinez is providing construction inspection services as **Lead Inspector** for this **\$12 million roadway** reconstruction of Fleur de Lis Drive, a main artery in a residential corridor in New Orleans. The project included removal, excavation, grading, drainage, drainage structures and utilities, class II base course, superpave asphaltic concrete pavement, Portland cement concrete pavement, ADA accessible ramps, sidewalks, curb and gutter, driveways and removal/replacement of sewer force mains and **water mains**. Ms. Martinez provided oversight of contractors' operations, provided daily documentation in SiteManager, prepared field changes, and coordinated with Testing Lab for /sampling and field testing

**Bayou Lafourche Bridge at Larose, Lafourche Parish, LA:** Ms. Martinez provided construction inspection for Bayou Lafourche Vertical Lift Bridge project. This new bridge will replace the existing LA 310 pontoon bridge at LA 657 extension to LA 308. Scope also includes maintaining all construction field records; making daily entries in SiteManager; coordinating with the U.S. Coast Guard and Parish Engineer/Representative for all relocations/adjustments of **water**, sewer and other utility facilities within the construction of the site; inspecting the contractor's construction operations and preparing final estimate packages.

**S.P. No. 742-55-0004: Westside Blvd Road Extension (Marie Dr to St. Louis Canal); LADOTD, Terrebonne Parish, LA:** Ms. Martinez served as the **Lead Construction Inspector** for this **\$2.8 million** roadway project involving construction of new PCC pavement roadway for extension of the existing Westside Blvd from Marie Dr to St. Louis Canal. Scope of work included new drainage system, **water system** and sewer system, unclassified excavation, grading, lime treatment, class II base course, PCC Pavement, Superpave asphaltic concrete shoulders, and associated items. She provided inspection services for compliance with contract documents, documentation and daily reports, reviewed pay estimates, monitored contractor activities and coordinated with the Project Engineer

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Warren Fiegel, Senior Resident Inspector</b>
<b>Project Assignment:</b>
<b>Senior Inspector</b>
<b>Name of Firm with which Associated:</b>
<b>ECM Consultants, Inc.</b> 
<b>Years' experience with this Firm:</b>
<b>16</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>High School</b>
<b>Active registration: Year first registered/discipline:</b>
<b>NA</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Fiegel has <b>over 37 years of experience</b> in <b>resident inspection</b> of a variety of construction projects. He inspected numerous new construction and repairs/renovations/alterations of major building projects, warehouses, parking garage as well as rehabilitation of wharf sheds, parking lots with high mast lighting, water mains including site utilities, site drainage, and pavement. He worked for 10 years under ECM's IDIQ contract with US HUD, Fortworth, Texas office for Construction management and inspection services for all HUD's construction projects in the entire state of Louisiana. He was recognized for his excellent work and received commendation from the HUD's Construction Manager. In his evaluation and performance rating he gave ECM an "<b>Outstanding</b>" rating and his comment stated, "<i>Mr. Fiegel's reports are always superior to the point that they are the best submitted within HUD Region VI, if not the nation from my experience</i>"</p> <p><b>Employment History:</b></p> <ul style="list-style-type: none"> <li>• ECM Consultants Inc, LA, Sr. Resident Inspector (2006-to date)</li> <li>• Marchand Interior Specialties, Kitchen Designer (1987-2000)</li> <li>• Landis Construction, Inspector (1984-1987)</li> </ul> <p><b>Program Management for Katrina Damage Repairs to Water System, Sewerage and Water Board of New Orleans; New Orleans, LA.</b> Mr. Fiegel served as <b>Lead Resident Inspector</b> for Katrina-damage repairs to the Sewerage and Water Board's Central Yard that included which was building repairs, building replacement, electrical replacement &amp; Fiber Optic Replacement for 5 years. He worked in the Oak Street Pump station, which was part of the project for the Carrollton Plant. Work included removal &amp; replacement of a 54" Butterfly Valve, 72" Header pipe, two pumps "B" &amp; "C" along with removal of a flow meter valve #51 &amp; <b>replacement with straight pipe</b> in the Carrollton yard. ECM was subconsultant to CH2M Hills and provided support in program Management and performed construction management and inspection services for this project. <b>Construction program \$73 million.</b></p> <p><b>Water Line Replacement Program, Read Blvd.- East Neighborhood – New Orleans, LA:</b> Mr. Fiegel served as a <b>Senior Inspector</b> for the Sewerage and Water Board of New Orleans Water Line Replacement Program. Waterlines were damaged because of standing floodwater in the area during hurricane Katrina. Replacement of waterlines included water line installation, valves, fire hydrants, manholes valve boxes, disinfection and new service lines and repair of water line breaks associated with paving. This project included <b>replacement of 2,540 LF of 8" water line and 525 LF of 12" water line.</b></p>

**Water Line Replacement Program, Read Blvd.- West Neighborhood – New Orleans, LA.** Mr. Fiegel served as a **Senior Inspector** for the Sewerage and Water Board of New Orleans Water Line Replacement Program. Waterlines were damaged because of standing floodwater in the area in the aftermath of hurricane Katrina. Replacement of waterlines included water line installation, valves, fire hydrants, manholes valve boxes, disinfection and new service lines and repair of water line breaks associated with paving. This project included **replacement of 8,604 LF of 8” water line and 650 LF of 12” water line.**

**Water Line Replacement Program, Village De L’est Neighborhood – New Orleans, LA.** Mr. Fiegel served as a **Senior Inspector** for the Sewerage and Water Board of New Orleans Water Line Replacement Program. Waterlines were damaged because of standing floodwater in the area in the aftermath of hurricane Katrina. Replacement of waterlines included water line installation, valves, fire hydrants, manholes valve boxes, disinfection and new service lines and repair of water line breaks associated with paving. This project included **replacement of 3,955 LF of 8” water line and 1,414 LF 12” water line.**

**Consolidated Car Rental Facility (CONRAC) at Louis Armstrong New Orleans International Airport, NOAB; Kenner, LA** Mr. Fiegel provided **resident inspection** for this that involved construction of a new 3-story car rental building, a 4-story garage and a new utility building for housing medium and high voltage electric service & support systems for the entire airport. The electrical work included relocation of high voltage and medium voltage (15Kv and 600v) power system of the airport using new metal conduits, conductors & cables etc. Work also included transformers, grounding & bonding of electrical systems, metal-clad emergency and paralleling switchgear and a backup system with 2500Kw emergency engine generator with ATS. Mr. Fiegel monitored construction work, prepared daily inspection reports, reviewed monthly pay estimates based on completed work, and performed substantial and final inspections. **Construction cost \$83 million**

**East Jefferson Levee District’s Safe Room & Consolidated Facility Kenner, LA:** Mr. Fiegel served as **lead resident inspector** supervising ECM’s field inspector and performing QA inspections and reviewed daily reports and all field reports. This project included a new 2- story 27,351 sft building as safe house for the SLFPA-E staff. Work included pile driving, concrete work, masonry walls, erection of pre-engineered metal building, roofing, commercial kitchen equipment, HVAC, electrical, plumbing systems etc. Project also included sub-surface drainage, installation of new water line with valves and fittings from city system several block away, diesel generator installation, above ground fuel tanks, access control, fencing and landscaping. **Construction Cost \$10.5M.**

**Oakwood Smart Growth-Hector Avenue Improvements, Whitney Ave. to Terry Parkway, Gretna, LA:** Mr. Fiegel served as **Lead Inspector** for this **\$1.4 Million** project consisted of providing a shared use pedestrian/bike path north of the roadway and parking on the south side of the roadway. The pedestrian/bike path and the parking areas was constructed using pervious concrete pavement. Sidewalks adjacent to the parking was constructed using pavers. All handicap ramps was ADA compliant, and crosswalks were high visibility. Mr. Fiegel prepared Daily Reports along with photos documenting progress and/or any issues. He also was the liaison between the contractor, two separate engineering firms, Jefferson Parish inspectors and engineers, and Program Manager.



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

**PROJECT NO. 1**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Program Management for Katrina Damage Repairs to Water Systems for Sewerage &amp; Water Board of New Orleans, New Orleans, LA</b></p> <p><b>Randy White</b>  <b>504-214-6011</b>  <b>S&amp;WB of New Orleans</b>  <b>625 St. Joseph Street</b>  <b>New Orleans, LA</b></p> <p><b>CH2M Hill Contact:</b>  <b>Danielle DeGrushe</b>  <b>504-849-8858</b></p>  <div data-bbox="105 1518 521 1728"> <p><b>Key Personnel</b>  Ujjal DasGupta, P.E.  Guy Williams, RA.  Warren Fiegel  Emilio Rodriguez</p> </div>	<p>ECM provided <b>Program Management services for this \$73 million</b> contract, as subconsultant to CH2M Hills <b>for over six years</b> for Hurricane Katrina related Water Restoration Program. This program was a complex undertaking with multiple simultaneous projects on critical facilities that must remain in service during extensive reconstructive efforts. Scope of work included restoration of damaged Water System at the Central Yard, the Carrollton Main Water Treatment Plant including the Oak Street Pump station.</p> <p>ECM provided <b>constructability reviews of plans specifications</b>, coordination, construction management, inspection and document control for all construction projects at Central Yard and Carrollton Water Treatment Plant under this program. ECM monitored all construction work and coordinated with client, various subconsultants and stakeholders to ensure <b>the program ran efficiently and safely and that it met the project goals.</b></p> <p>Scope of work for the Carrollton Main Water Treatment Plant included repairs to several buildings and the filter galleries <b>including replacement of damaged water pipelines</b>, boilers, pre-heaters, pump vaults etc. Oak Street Pump station, which was part of the project for the Carrollton Plant work included removal &amp; replacement of a 54" Butterfly Valve, 72" Header pipe, two pumps "B" &amp; "C" along with removal of a flow meter valve #51 &amp; replacement of majority of <b>ductile iron yard piping of various sizes including fittings and valving etc.</b> in the Carrollton plant.</p> <p>Scope of work at the Central Yard included building repairs, building replacement, electrical replacement and fiber optic cables replacement etc. This included repairs to the Administration building; demolition and construction of a new annex building; construction of a new Site Relocation Facility (SRF) for housing workers during repairs and rehabilitation work. Projects also included repair/replacement of the electrical duct bank and conduits including the panels in main powerhouse.</p> <p>ECM's role in document control included uploading project documents, such as daily reports, submittals, RFIs, Test reports, RFCs, change orders, schedules, meeting minutes, etc. in <b>Primavera Contract Manager (PCM) data base.</b> Work also included checking monthly pay applications, change order management including tracking, maintaining RFI's and PCO's logs, meeting minutes, and compiling a spreadsheet for bi-weekly progress meetings for resolutions, maintaining contractor's construction schedules including updates and assist PM in tracking progress against schedule and all other project related documents.</p>	
Completion Date: (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	\$73 million	\$26 million



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

**PROJECT NO. 2**

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

**Water Line Replacement Program for Sewerage and Water Board of New Orleans. Read Boulevard East Neighborhoods, Groups-B, C, D and E New Orleans, LA**

**Susan Diehl  
Project Manager – Project Delivery Unit  
Sewerage & Water Board of New Orleans  
8800 S. Claiborne Ave.  
New Orleans, LA 70118  
504-930-7209  
[sdiehl@swbno.org](mailto:sdiehl@swbno.org)**



**Key Personnel**

Kazem Alikhani, PE  
Sunina Shrestha, PE  
Chris Capretto, PE  
Zach Collier, PE  
Missy Reynolds  
Warren Fiegel

**Nature of Firm's Responsibility:**

Under SWBNO's **Water line Replacement Program**, ECM provided engineering and design, prepared Plans, Specifications and Estimates (PS&E) and construction phase services for **water line replacements for four different projects**, Group-B, C, D and E in Read Boulevard East neighborhoods. These projects involved replacement of water lines damaged by Hurricane Katrina and undertaken in conjunction with the City of New Orleans Dept. of Public Works roadway rehabilitation projects in this neighborhood. This required **extensive coordination with road design consultants**.

The project included PVC and ductile iron pipes fittings installation of **16,859 LF of 8" water line** and **550 LF of 12" diameter water line**



**including valves, fire hydrants, disinfection, connecting to existing mains, house connections with water meters and temporary pavement restoration** on Chrysler Street, King Richard Drive, Bright Drive, Chef Menteur Blvd., Coronado Drive, Hillwood Street and other streets in the neighbors. This project

required extensive **coordination with various entities** such as SWBNO, CONO-DPW, Entergy, AT&T, Cox cables and others.

Scope of Work for this project, in general included, but not limited to the following:

**Engineering and Design Phase services**

- Scoping and budget
- Scheduling of design work
- Performing Engineering design
- Preparing preliminary and final construction PS&E for bidding
- Coordinating with SWBNO, DPW, other utility entities and **road design consultants**
- Bidding Phase services.

**Construction Phase Services**

- Scheduling of construction work
- Constructability reviews of plan and specifications
- Coordinate with testing laboratories for material samplings and testing.
- Monitor construction activities daily and prepare inspection reports
- Contractor's invoice and schedule review,
- Change order management, and cost analysis.
- Review RFIs and RFCs
- Monitoring schedule and budget
- Monitoring and documenting quality control activities for compliance

**Completion Date: (Actual or Estimated):**

**On going**

**Estimated Cost:**

**Entire Project:**

**\$3.1 million**

**Work for which Firm was Responsible:**

**\$3.1 million**

**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:**

**Water Line Replacement Program for Sewerage and Water Board of New Orleans.**  
**Read Boulevard- West Neighborhoods, Group - C**  
**New Orleans, LA**

**Susan Diehl**  
**Project Manager – Project Delivery Unit**  
**Sewerage & Water Board of New Orleans**  
**8800 S. Claiborne Ave.**  
**New Orleans, LA 70118**  
**504-930-7209**  
[sdiehl@swbno.org](mailto:sdiehl@swbno.org)



**Key Personnel**

Kazem Alikhani, PE  
 Sunina Shrestha, PE  
 Chris Capretto, PE  
 Zach Collier, PE  
 Missy Reynolds  
 Warren Fiegel

**Nature of Firm's Responsibility:**

Under SWBNO's **Water line Replacement Program**, ECM provided engineering and design, prepared Plans, Specifications and Estimates (PS&E) and construction phase services for **water line replacements** for Read Boulevard- West Neighborhoods, Group - C in Read Blvd. West neighborhood. This project involved replacement of water lines damaged by Hurricane Katrina and undertaken in conjunction with the City of New Orleans Dept. of Public Works roadway rehabilitation projects in this neighborhood. This required **extensive coordination with road design consultants**.

The project included PVC and ductile iron pipes and fittings for installation of **11,501 LF of 8" water line** and **650 LF of 12" water line** for various streets including **water valves and valve boxes, fire hydrants, disinfection, tie-in water house connections, water meters, and necessary offsets over the existing and proposed utilities**. The design and construction of the waterlines was performed conforming to the S&WB of New Orleans specifications and standards plans. This project required



extensive coordination with various entities such as SWBNO, CONO-DPW, Entergy, AT&T, Cox cables and others.

Scope of Work for this project, in general included, but not limited to the following:

**Engineering and Design Phase services**

- Scoping and budget
- Scheduling of design work
- Performing Engineering design
- Preparing preliminary and final construction PS&E for bidding
- Coordinating with SWBNO, DPW, other utility entities and **road design consultants**
- Bidding Phase services.

**Construction Phase Services**

- Scheduling of construction work
- Constructability reviews of plan and specifications
- Coordinate with testing laboratories for material samplings and testing.
- Monitor construction activities daily and prepare inspection reports
- Contractor's invoice and schedule review,
- Change order management, and cost analysis.
- Review RFIs and RFCs
- Monitoring schedule and budget
- Monitoring and documenting quality control activities for compliance.

**Completion Date: (Actual or Estimated):**

**On going**

**Estimated Cost:**

**Entire Project:**

**\$2.8 million**

**Work for which Firm was Responsible:**

**\$2.8 million**



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

**PROJECT NO. 4**

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

**Water Line Replacement Program for Sewerage & Water Board of New Orleans.**  
Village De L'est  
Neighborhoods, Group-B and Group-C  
**New Orleans, LA**

**Randall Schexnayder, PE**  
**Project Manager, Project Delivery Unit**  
**Sewerage & Water Board of New Orleans**  
**8800 S. Claiborne Ave.**  
**New Orleans, LA 70118**  
**(504) 930.7211**

[rschexnayder@swbno.org](mailto:rschexnayder@swbno.org)



**Key Personnel**

Kazem Alikhani, PE  
 Sunina Shrestha, PE  
 John Folley, III, PE  
 Zach Collier, PE  
 Marvin May  
 Warren Fiegel

**Nature of Firm's Responsibility:**

Under SWBNO's **Water line Replacement Program**, ECM provided engineering and design, prepared Plans, Specifications and Estimates (PS&E) and construction phase services for **water line replacements for two different projects**, RR188-Village De L'est Group B and RR189-Village De L'est Group C in the Village De L'est neighborhood. This project involved replacement of water lines damaged by Hurricane Katrina and undertaken in conjunction with the City of New Orleans Dept. of Public Works roadway rehabilitation projects in this neighborhood. This required **extensive coordination with road design consultants**.

The project included PVC and ductile iron pipes and fittings for installation of



**4,631 LF of 8" water lines** and **1,532 LF 12" water lines** for various streets including **water valves and valve boxes, fire hydrants, disinfection, tie-in water house connections, water meters, and necessary offsets over the existing and proposed utilities**. The design and construction of the waterlines was performed conforming to the S&WB of

New Orleans specifications and standards plans.

Scope of Work for this project, in general included, but not limited to the following:

**Engineering and Design Phase services**

- Scoping and budget
- Scheduling of design work
- Performing Engineering design
- Preparing preliminary and final construction PS&E for bidding
- Coordinating with SWBNO, DPW, other utility entities and **road design consultants**
- Bidding Phase services.

**Construction Phase Services**

- Scheduling of construction work
- Constructability reviews of plan and specifications
- Coordinate with testing laboratories for material samplings and testing.
- Monitor construction activities daily and prepare inspection reports
- Contractor's invoice and schedule review,
- Change order management, and cost analysis.
- Review RFIs and RFCs
- Monitoring schedule and budget
- Monitoring and documenting quality control activities for compliance.

**Completion Date:**  
**(Actual or Estimated):**

**2022 (E)**

**Estimated Cost:**

**Entire Project:**

**\$2.1 Million**

**Work for which Firm was Responsible:**

**\$2.1 million**

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

**PROJECT NO. 5**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>MoveBR Program Management for Community Enhancement, Improving Existing Corridors, and Traffic Management</b>  <b>City of Baton Rouge/Parish of East Baton Rouge, LA</b></p> <p><b>STANTEC</b>  <b>Stephen Wallace</b>  <b>225-765-740</b>  <u><b>Stephen.wallace@stantec.com</b></u></p> <div data-bbox="115 978 553 1251" style="background-color: #0056b3; color: white; padding: 10px; margin-top: 20px;"> <p><b>Key Personnel</b>  Kazem Alikhani, P.E.  Chad Vosburg, P.E.  Blake Guidry, P.E.  Chris Capretto, P.E.  John Foley, P.E.</p> </div>	<p>ECM is serving as a subconsultant as a part of the team lead by Stantec on this <b>\$313 million project to provide Program Management</b> for Community Enhancement, Improvement of existing corridors and Traffic Management.</p> <p>Scope of work includes:</p> <ul style="list-style-type: none"> <li>• Development of a Program Strategy</li> <li>• Develop the Program Schedule and Budget</li> <li>• Traffic Modeling</li> <li>• Corridor Planning</li> <li>• Program Monitoring and Control</li> <li>• Consultant and Contractor Oversight</li> <li>• Small Business Outreach</li> <li>• Right-of-Way Management and Acquisition</li> <li>• Utility Relocations</li> <li>• Public Involvement</li> <li>• Environmental</li> <li>• Program Financial Management</li> </ul> <p><b>ECM provided</b> design services for a <b>\$3.5 million</b> installation of <b>fiber optics lines</b> for Parish wide Communications system including Synchronization and Communication for Traffic Signal Connection, Phases 2 and 3, Parish of East Baton Rouge. This included engineering design services for installation of over <b>100 miles of fiber optic lines</b> within streets ROW., This included sites visits with city utility maps for field investigations to determine approximate location of all existing utilities within the ROWs and to locate best alignments for fiber optic lines to avoid conflicts with other utilities during installation. He prepared plans and specifications conforming to City of Baton Rouge design standard.</p> <p>ECM provided <b>design reviews and coordination with the consultants</b> for installation of 4000 ADA compliant handicapped ramps, scattered all over the city.</p> <p>ECM is currently providing construction management services <b>for 8 enhancement projects totaling approximately \$10.4 million</b> including ADA transition projects in the Clayton Street Area, Fuqua Street Area and along Elm Grove Street and synchronization projects including Fiber Installation, Camera Detection Installation, School Flashers Installation, Camera Surveillance Installation, and Count Station Installation.</p> <div data-bbox="638 1520 1511 1822"> </div>	
<p><b>Completion Date: (Actual or Estimated):</b></p> <p><b>Ongoing</b></p>	<b>Estimated Cost:</b>	
	<p><b>Entire Project:</b></p> <p><b>\$313 million</b></p>	<p><b>Work for which Firm was Responsible:</b></p> <p><b>\$50 million</b></p>



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

**PROJECT NO. 6**

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

**Water System Relocation for Jefferson Avenue**  
(S. Claiborne Ave- Dryades Street)  
**New Orleans, LA**

**Ron Spooner, P.E.**  
**Superintendent- SWBNO**  
**504-865-0605**  
**S&WB of New Orleans/USACE 625 St. Joseph Street**  
**New Orleans, LA 70165**



**Key Personnel**

Ujjal Dasgupta, P.E.  
Sunina Shrestha, PE  
Marvin May

**Nature of Firm's Responsibility:**

ECM provided engineering designs and prepared plans, specifications and estimate (PS&E) and construction administration services for reconstruction of this 4-Lane divided, major road in conjunction with construction of a major drainage box canal in the roadway median in New Orleans. This **\$50 million** SELA funded project involved rehabilitation/ reconstruction of Jefferson Avenue including all roadway intersections and turn lanes.

Work included **relocation of 12" water lines including all appurtenances**, sewer system and other subsurface utilities relocations/replacement. Construction costs for roadway, subsurface drainage, water and sewer system for which ECM was responsible for was approximately **\$16 million**.

ECM performed coordination with surveyor for topographic and utilities survey, USACE-NOD, S&WBNO, Entergy and other utilities entities, DPW-City of New Orleans. ECM also coordinated with Geotechnical engineering subconsultant for geotechnical investigations, analysis and report and Traffic engineering subconsultant for traffic control and detour plans.

ECM engineers performed design for **relocation and replacement of water mains including water valves and valve boxes, fire hydrants, disinfection, tie-in water house connections, water meters, and necessary offsets over the existing and proposed utilities** and incorporated the work in plan and profiles and prepared special details for installations.

ECM engineers field verified survey information, reviewed soil reports, performed hydraulic analysis and tie-in lateral drain lines to the new box culvert. All designs for roadway conformed to the City of New Orleans Dept. of Public Works requirements. And Water, sewer and drainage work was designed in accordance with S&WB requirements.

ECM provided construction administration services that included:

- Submittal review and approval
- Responding to RFIs
- Shop drawing review and approval
- Site visits during critical construction and/or for differing site conditions, and
- Review of Requests for Change Orders (RFCs)

**Completion Date: (Actual or Estimated):**

**2017**

**Estimated Cost:**

**Entire Project:**

**\$50 Million**

**Work for which Firm was Responsible:**

**\$16 Million**



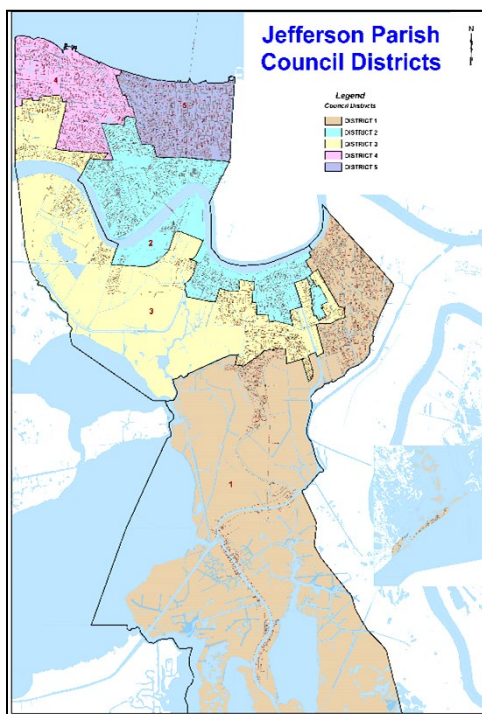
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 7**

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

**Program Management for 2017 Jefferson Parish Road Bond Projects- East Bank, Jefferson Parish, LA**

**Neil Schneider, P.E.  
(504) 736-6833  
[nschneider@jeffperish.net](mailto:nschneider@jeffperish.net)  
Jefferson Parish DPW**



**Key Personnel**

Ujjal DasGupta, P.E.  
Kazem Alikhani, P.E.  
Missy Reynolds, E.I.  
Chris Capretto, P.E.  
John Foley, P.E.

**Nature of Firm's Responsibility:**

**ECM is providing Program Management Services** for the 2017 Roadway and Bridge Improvements Program integral to which include **water line relocations and/or replacement** as well as drainage and sewer systems relocations at conflicts. This Project known as the Jefferson Parish Road Bond Program, for projects located on the East Bank of the Parish.

This project currently has **over \$208 million of construction projects** and includes the design and construction of roadways, bridges, drainage, water and sewer system relocation, traffic modeling and studies, pedestrian and bike paths, lighting, Smart Street Program. ECM is responsible **reviewing consultants' opinion of probable costs** for conceptual design and attend meetings with local and state entities. ECM Program and construction managers' responsibilities include **reviewing all plans, construction specifications and engineers' cost estimates to ensure conformity with latest local and state guidelines; working with consulting firms to resolve design and constructions issues;** and coordinating with private businesses and public input coordination with utilities companies and railroads. ECM's staff reviews contractor submittals to ensure conformity, resolves construction issues, performs site visits for quality assurance, reviews testing lab reports, and performs substantial completion and final walk-throughs for all projects.

The following projects under this contract include **water line relocations/replacement**.

- David Dr. W. Napoleon Ave to Veterans Blvd. Replace approximately **3,400 LF of 12" and 200 LF of 20" water lines**
- Labarre Rd Widening – Airline Dr to Loumar St – Replace approx. **400 LF of 12" water line**
- W. Esplanade Ave – Tartan Dr to Haring Rd Replace **2,000 LF of 8" water line and 200LF of 12" water line**
- W. Metairie Ave – Roosevelt Blvd to David Dr Relocating approx. **2,000 LF 12" water line, 1,000LF of 8" water line and 400 LF of 6" water line**
- Bainbridge Avenue Roadway Improvements – Veterans Blvd. to Airport Rd Replace approx. **4,000 LF of 8" water line, 100 LF of 12" water line and 200 LF of 20" water line.**
- Dickory Avenue Extension- Hickory Ridge Lane to Jefferson Hwy – Replace approximately **1,500LF of 12" water line**

**Completion Date: (Actual or Estimated):**

**2020 (A)**

**Estimated Cost:**

**Entire Project:**

**\$208 million**

**Work for which Firm was Responsible:**

**\$102 million**

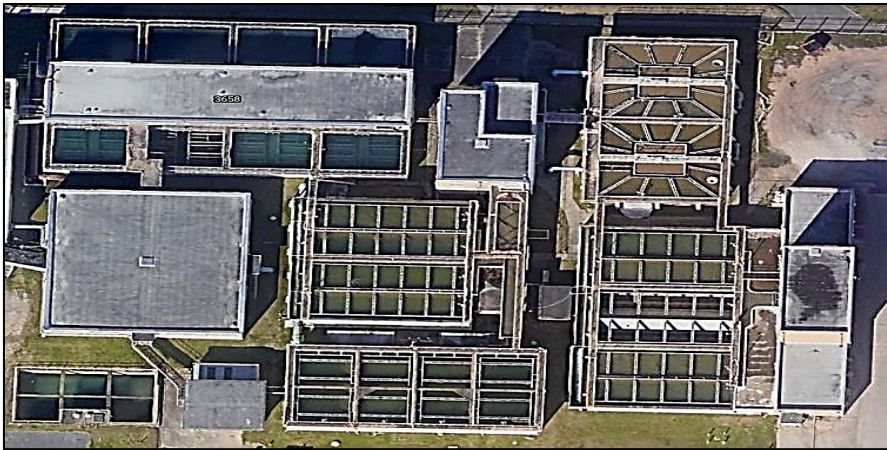
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

**PROJECT NO. 8**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Water line Replacement for Napoleon Avenue Reconstruction (South Claiborne to Carondelet Street), City of New Orleans, LA.</b></p> <p><b>Ron Spooner, P.E. S&amp;WB of New Orleans 504-865-0605</b></p>   <div data-bbox="170 1407 634 1631"> <p><b><u>Key Personnel</u></b></p> <p>Ujjal DasGupta, P.E. Sunina Shrestha, P.E. Marvin May</p> </div>	<p>ECM provided engineering designs, prepared plans, specifications, and estimate (PS&amp;E) and construction administration for reconstruction of this 4-Lane divided collector road located in residential and commercial areas.</p> <p>This <b>\$55 million</b> project involved reconstruction of Napoleon Avenue (between South Claiborne Ave. and Carondelet Street) and all side road intersections, in conjunction with construction of a major drainage box culvert in the roadway median under SELA program. Construction costs for roadway, subsurface drainage and roadway, local drainage, sewer mains and <b>water lines</b> for which ECM was responsible for was approximately <b>\$21 million</b>.</p> <p>ECM's scope of work included coordination with surveyor for topographic and utilities survey, USACE-NOD, S&amp;WBNO, Entergy and other utilities entities, DPW-City of New Orleans, the Baptist hospital and other businesses that was impacted by construction of this project. ECM also coordinated with Geotechnical engineering subconsultant for geotechnical investigations, analysis and report and Traffic engineering subconsultant for traffic control and detour plans.</p> <p>In addition to roadway reconstruction and associated work, the scope included <b>replacement of all water mains including water valves and valve boxes, fire hydrants, disinfection, tie-in water house connections, water meters, and necessary offsets over the existing and proposed utilities</b> and incorporated the work in plan and profiles and prepared special details for installations.</p> <p>ECM provided construction administration services that included:</p> <ul style="list-style-type: none"> <li>▪ Submittal review and approval</li> <li>▪ Responding to RFIs</li> <li>▪ Shop drawing review and approval</li> <li>▪ Site visits during critical construction and/or for differing site conditions, and</li> <li>▪ Review of Requests for Change Orders (RFCs)</li> </ul>	
Completion Date: (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2018 (A)</b>	<b>\$55 million</b>	<b>\$21 million</b>

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


**PROJECT NO. 9**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Jefferson Parish Eastbank Water Treatment Plant Improvements Phase II (P4) and Bacteriological and Wet Chemistry Laboratory</b></p> <p><b>Sydney Brazley</b>  <b>504-736-6783</b>  <b>sbazley@jeffparish.net</b>  <b>Jefferson Parish</b>  <b>1221 Elmwood Park Blvd Suite 103</b>  <b>Jefferson, LA 70123</b></p> <div data-bbox="110 926 548 1211"> <p><b>Key Personnel</b></p> <p>Kazem Alikhani, PE  Sunina Shrestha, PE  John Foley, PE  Kyle Kessler, PE  Missy Reynolds</p> </div>	<p>The Jefferson Parish Eastbank Water Treatment Plant site is located at the intersection of Jefferson Highway and Arnoult Road, near the Mississippi River. Currently, there are three Water Treatment Plants (WTPs) on this site. WTPs P1 and P2 were the original treatment plants and WTP P3 was constructed in the late 1960s and rehabilitated in the 1980s. The Inflco Filtration Plant next to WTPs P1 and P2 also provides an additional treatment capacity of up to 10 MGD as needed. The Mississippi River serves as the source of raw water for the plants. An existing raw water intake withdraws water from the river and conveys the water to pump stations where the water is pumped to the WTP site. Jefferson Parish elected to add WTP P4 to the site. WTP P4 is to have an initial capacity of 40 MGD and the ability to expand to 60 MGD in the future. The raw water intake and raw water pump stations are not a part of the WTP P4 project.</p> <p><b>ECM Consultants, Inc performed a design review and analysis of the Consultants' design</b> for the new P4 Water Treatment Plant and Bacteriological and Wet Chemistry Laboratory. Scope of work included new <b>ductile iron yard piping and valving</b> to connect the new treatment plant to existing plant features. ECM's responsibilities included reviewing the structural, mechanical, architectural, civil, and electrical <b>plans to ensure conformance with project goals and constructability within the established project budget.</b></p> <p>ECM's Team also performed a Value Engineering evaluation on the P4 Water Treatment Plant to determine cost saving measures. The ECM Team performed the task and produced a value engineering report which included details of potential savings.</p> <div data-bbox="609 1266 1490 1713">  </div>	
<p><b>Completion Date: (Actual or Estimated):</b></p>	<p><b>Estimated Cost:</b></p>	
<p><b>2022 (E)</b></p>	<p><b>Entire Project:</b>  <b>\$97 million (E)</b></p>	<p><b>Work for which Firm was Responsible:</b>  <b>ECM is responsible for design review of the entire project.</b></p>



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

**PROJECT NO. 10**

Project Name, Location and Owner's contact information	Nature of Firm's Responsibility:	
<p><b>Water System Relocation for Gravier Street</b> (S. Galvez to S. Broad Street) <b>New Orleans, LA</b></p> <p><b>City of New Orleans DPW</b> <b>Khalid Saleh, P.E.</b> <b>504.865.0659</b> <b>1300 Perdido St.</b> <b>Room 6W03</b> <b>New Orleans, LA 70112</b></p>   <p><b>Key Personnel</b></p> <p>Ujjal Dasgupta, PE Kazem Alikhani, PE Sunina Shrestha, PE Chris Capretto, PE Kim Martinez Marvin May</p>	<p>ECM provided engineering designs and prepared plans, specifications and estimate (PS&amp;E) and construction administration and resident inspection services for construction of this <b>\$5.8 million</b> roadway reconstruction project which included coordination for topographic survey including utility locations and depths, drainage system design that included pipe sizes ranging from 12" to 42" in Diameter. Integral to the roadway design was the <b>design of approximately 2,600 LF of water mains ranging in size from 8" to 20" in diameter with associated water valves and valve boxes, fire hydrants, disinfection, tie-in water house connections, water meters, and necessary offsets over the existing and proposed utilities</b> Design also included relocation of approximately 2,400 Lin. Ft. of sanitary sewer ranging in size from 8" to 15" in Diameter.</p> <p>The project included schematic design services to develop a conceptual plan, general design criteria, and cost estimates. The preliminary design services included preliminary design plans and supporting computations, line and grade analysis, cross sections, etc. Final design services included revisions to preliminary plans, preparation of the specifications, bid documents, traffic control plans, pavement marking, and submittal of signed and stamped final construction plans.</p> <p>ECM engineers field verified survey information, reviewed soil reports and performed hydraulic analysis for drainage design. All designs for roadway conformed to the City of New Orleans Dept. of Public Works requirements. And <b>Water, sewer and drainage systems were designed in accordance with S&amp;WB requirements.</b> Project also required collection of existing information and extensive coordination with the Sewerage and Water Board and other utilities regarding both vertical and horizontal location of utilities</p> <p>ECM provided construction administration services that included:</p> <ul style="list-style-type: none"> <li>▪ Submittal review and approval</li> <li>▪ Responding to RFIs</li> <li>▪ Shop drawing review and approval</li> <li>▪ Site visits during critical construction and/or for differing site conditions, and</li> <li>▪ Review of Requests for Change Orders (RFCs)</li> </ul> <p>ECM's resident inspection responsibilities included but not limited to:</p> <ul style="list-style-type: none"> <li>• Scheduling and conducting the pre-construction meeting</li> <li>• Maintaining all construction field records</li> <li>• Coordinating with COMNO-DPW, SW&amp;B and private utility entities.</li> <li>• Monitoring contractor's operations and procedures</li> <li>• Coordinating with Testing Laboratory for sampling, and lab testing</li> <li>• Inspecting the contractor's construction operations for compliance.</li> <li>• Preparing monthly pay estimates progress reports etc.</li> </ul>	
<p><b>Completion Date: (Actual or Estimated):</b></p> <p><b>2017 (A)</b></p>	<p><b>Estimated Cost:</b></p>	
	<p><b>Entire Project:</b></p> <p><b>\$5.8 Million</b></p>	<p><b>Work for which Firm was Responsible:</b></p> <p><b>\$5.8 Million</b></p>

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary. <b>NONE</b>		
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

ECM Consultants, Inc. **has never been involved** in any litigation and/or adversarial proceedings with Jefferson Parish.



## TEC Professional Services Questionnaire

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

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#### **ECM PROFILE**

**ECM Consultants, Inc. (ECM)** is an engineering, architectural and construction management firm headquartered in Metairie, LA with a full-service branch office in Baton Rouge and Lafayette, LA. ECM was incorporated under the laws of the State of Louisiana on August 31, 1995 and holds current licenses in Professional Engineering (No. 2003) and Construction Management (No. 31739). Over the last 27 years, ECM has provided professional services on over a thousand projects for clients including:

- Jefferson Parish Department of Public Works
- USACE New Orleans, Vicksburg, Mobile, Rock Island, Charleston, and Louisville Districts
- Sewerage & Water Board of New Orleans
- City of New Orleans Dept. of Public Works
- City of Baton Rouge Dept. of Public Works
- Louisiana Dept. of Transportation & Development
- Port of New Orleans
- City of Kenner Dept. of Public Works
- Jefferson Parish Juvenile Justice Agency
- Jefferson Parish Dept. of Community Development
- USDA-NRCS
- LA CPRA
- SLFPA-East

The qualifications, integrity, reliability, and commitment of our personnel to provide quality professional services have earned ECM Consultants, Inc. an excellent reputation and repeat work from our clients. **About 95% of our work is repeat business from existing customers.**

### **MINIMUM REQUIREMENTS**

Minimum Qualifications	Personnel Meeting Requirement
1. Program management firm shall have been in business at least five (5) years in the field or fields of expertise required for this work.	ECM is business for <b>over 27 years</b> and providing program management services for various types of projects including water line improvements
2. At least one principal who is a professional engineer who shall be registered as such in Louisiana with a minimum of ten (10) years' experience in the discipline involved.	Ujjal DasGupta, PE President /Owner LA License No. 19849, <b>51 years of experience.</b>  Kazem Alikhani, PE, CEO LA License No. 25073 <b>41 years of experience</b>
3. One (1) Program Manager who must be a Registered Professional Civil Engineer in the State of Louisiana with a minimum of ten (10) years of verifiable experience in design, construction and management of water pipeline infrastructure improvement projects. The Program Manager must also have a minimum of five (5) years of verifiable experience in Program Management services pertaining to large infrastructure related projects relating to water utilities.	Sunina Shrestha, P.E. <b>16 years of experience</b> LA Licensed Civil Engineer. License No. 37901  Refer to Resume in Section- K. for details of experience
4. At least two engineers, in addition to the Program Manager listed above, licensed in the State of Louisiana with a minimum of five (5) years' experience in the discipline involved and familiar with water pipeline infrastructure improvement projects.	Chris Capretto, P.E. LA Civil Eng. #38641 <b>14 years of experience.</b>  John Foley, III, P.E LA Civil Eng. #42740 <b>8 years of experience</b>  Zach Collier, P.E LA Civil Eng. #42957 <b>8 years of experience</b>

## TEC Professional Services Questionnaire

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

5. Firm must have an established business office located within the New Orleans Metropolitan area

ECM's main office has been located in Metairie for the past 26 years. Our current address is: 1301 Clearview Parkway, Metairie, LA 70001

**ECM meets and exceeds minimum requirements.**

### **EVALUATION CRITERIA**

#### **1. Professional Training and Experience**

##### **RELEVANT PROJECT EXPERIENCE**

ECM has extensive experience in engineering design, preparation of plans and specifications, construction administration, and construction engineering and inspection for water projects. Our related experience includes the following:

- Program Management for \$73 million Sewerage & Water Board of New Orleans Hurricane Related Water Restoration Program as subconsultant to CH2M Hills.
- Program Management \$208 million Jefferson Parish 2017 Road Bond Program-Eastbank as subconsultant to Aptim.
- Program Management Services (PMS) for \$1.1 billion Western Closure Complex, USACE Contract Nos. W912P8-07-D-0031 T.O. 21, in support of Rock Island District's New Orleans Louisiana (RINOS ) as prime.
- Program Management for \$330 million MoveBR corridor Enhancement program as subconsultant to Stantec.
- Water line replacement program for Read Blvd. East Neighborhood for S&WB of New Orleans
- Water line replacement program for Read Blvd. West Neighborhood for S&WB
- Water line replacement program for Village De L'est Neighborhood for S&WB
- Relocation of water lines at Napoleon Ave., S&WB of New Orleans
- Relocation of major water lines at South Claiborne Ave. for S&WB of New Orleans
- Water lines relocation at Jefferson Ave. for SWBNO.

##### **EXPERIENCE & TRAINING OF KEY PERSONNEL**

ECM's staff of program managers, project managers, professional civil, structural and mechanical engineers, and other technical and administrative support personnel have worked on a variety of water infrastructure projects for various government agencies. Our staff is duly trained and certified, exceeding minimum qualifications for meeting Parish requirements. Our project staff includes the following:

**Kazem Alikhani, P.E., PRINCIPAL/POC:** 41 years of experience managing public works projects including planning, design and construction management. Under his direction as Jefferson Parish Director of Public Works, he was responsible for all public works functions and overseeing an annual operating budget of \$200M and a capital budget of over \$100 million.

**Ujjal DasGupta, P.E., QA/QC MANAGER:** Mr. DasGupta has over 51 years of experience in managing design and construction phase services for water treatment and distribution system projects. He is a Louisiana licensed P.E. with a B.S. in Civil Engineering

**Sunina Shrestha, P.E., PROGRAM MANAGER/ PROFESSIONAL IN CHARGE:** Ms. Shrestha has 16 years of experience in civil, hydraulic and hydrologic engineering and design and project management for water projects. She is a Louisiana licensed P.E. and holds an M.S. in Civil Engineering with a concentration in Water Resources and Environmental Engineering.

**Salvador Maffei, B.S., DEPUTY PROGRAM MANAGER,** Mr. Maffei has 35 years of experience in water quality, treatment and distribution systems. He served as Chief Chemist of the Jefferson Parish Water Quality Laboratory and as **Director of the Water Department** for the last four (4) years of his career with the Jefferson Parish. Mr. Maffei's experience included management of entire operation of the water department including water supply distribution system that brings safe and high-quality drinking water to the residents of Jefferson Parish. His responsibility included ensuring comprehensive procedure of analysis of the distribution system that is in compliance with state standard codes

## TEC Professional Services Questionnaire

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during construction, disinfection, and tie in of new water lines.

**Christopher Capretto, P.E. CIVIL ENGINEER:** Mr. Capretto has 14 years of experience in civil engineering including water and drainage systems design. He also has experience in design and preparation of PS&E and construction administration of roadway reconstruction projects. He is a Louisiana licensed P.E. with a B.S. in Civil Engineering.

**John Foley, III, P.E., CIVIL ENGINEER** is a Registered Professional Engineer with 8 years of experience designing LADOTD and public works projects including feasibility studies, environmental assessments, roadway, wastewater and drainage improvements

**Missy Reynolds, EI, PLAN REVIEW ENGINEER:** Ms. Reynolds has more than 27 years of experience in engineering design for major roadway, drainage, water supply and sewer projects in Southeast Louisiana.

**Zach Collier, P.E., CONSTRUCTION ENGINEER:** Mr. Collier is a construction engineer with prior project experience at CPRA and LADOTD, where he managed construction administration, inspection, operations and maintenance phase of many projects. For ECM, he completed about 78 task orders on-schedule

**Kim Martinez, SENIOR INSPECTOR:** Ms. Martinez has over 38 years of experience as a construction inspector including 30 years working with LADOTD as both an inspector and construction technician.

**Warren Fiegel, SENIOR INSPECTOR:** Mr. Fiegel has over 37 years of experience in resident inspection of a variety of construction projects. He inspected water mains, site utilities site drainage, roadway pavement, numerous new construction and repairs/renovations/alterations of major building projects, warehouses, and parking garage.

### 2. Size of Firm

ECM has 61 qualified professional engineers and support staff demonstrating our capability to provide necessary high quality professional staff for work on this program

management contract. **All our personnel are Louisiana residents and a significant number of them resides in Jefferson Parish.** Our team includes **13 civil engineers**, two structural engineers, four project managers, four engineering interns, two mechanical engineers, two architects, 23 construction inspectors, three CAD technicians, and eight administrative staff.

### 3. Capacity for Timely Completion of Work

ECM has the capacity, resources and understands the requirements of completing **water lines replacement program in a timely and cost-effective manner** for a large water supply system like Jefferson Parish. **This experience has been gained by serving Sewerage and Water Board of New Orleans for their Water lines replacement program and Katrina damaged Water system replacement/repair program and many other recent waterline replacement projects for local parishes.**

ECM will adequately staff and provide resources including an experienced management team and appropriate technical expertise under this contract to efficiently complete each project on time. Our effective approach to scheduling our work allows ECM personnel to provide all required man-hours for each of our ongoing projects.

### 4. Past Performance by person or firm

ECM has received “**Exceptional**” performance ratings from various USACE Districts, and “**Outstanding**” performance rating from U.S. HUD, and “**Letters of Commendation**” from the U.S. Customs Service, USDA, U.S. HUD, USACE New Orleans District, and various other local government agencies such as Jefferson Parish, City of New Orleans Dept. of Public Works, Calcasieu Parish Police Jury, and many more. Below are examples and references for a few related projects:

- **Sewerage & Water Board of New Orleans Hurricane Related Water Restoration Program.** Letter of Appreciation from Daniel P. Wetstein, PE

## TEC Professional Services Questionnaire

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

Senior Program Manager / Vice President, CH2M Hill

*"Mr. DasGupta: I am writing you at this time to express my **appreciation for the performance of the ECM team** in support of our work as manager of the Sewerage & Water Board of New Orleans Hurricane Related **Water Restoration Program**. This program is a complex undertaking with multiple simultaneous projects on critical facilities that must remain in service during extensive reconstructive efforts."*

- **Contracts No. C-FTW-00366 and 00411; U.S. HUD, Atlanta Contracting Operations, Fort Worth, TX:**

ECM received an **"Outstanding"** performance rating for both of these contracts. The evaluation report states: The contractor has demonstrated an outstanding performance level that was "significantly in excess of anticipated achievements and is commendable as an example for others, so that it justifies adding a point to the score. It is expected that this rating will be used in those rare circumstances where contractor performance clearly exceeds the performance levels described as Excellent".

- **Conceptual Design of Hydrologic Systems and Pump Stations at Outfall Canals at 17th Street, Orleans Ave & London Ave, Orleans Parish, USACE -HPO, IDIQ Contract No. W912WP8-07-D0031, Task Order Nos.1,7, 38, 61**

Overall CPARS rating: **"Exceptional"**. Rating official Remark: "ECM did an **outstanding job** supporting evaluations of the PCCP project. They were always on time and provided everything necessary for the evaluation to be successful".

- **Orleans Avenue Canal, Remediation of Canal Walls and Levees, Orleans Parish, LA USACE -HPO/NOD ECM-GEC JV IDIQ Contract No. W912WP8-07- D0031, Task Order 0052.**

Overall CPARS rating: **"Exceptional"**. This emergency project received accolades from Corps Project manager for completing design of project within mandated 90 days. Rating Official Remark "Easy to work with, produced quality product within established milestones and budget guidelines". Structural and Civil Design rating: **"Exceptional"**.

#### Projects and References:

1. **Water Lines Replacement Program for SWBNO**

Susan Diehl

Project Manager – Project Delivery Unit  
Sewerage & Water Board of New Orleans

504-930-7209

[sdiehl@swbno.org](mailto:sdiehl@swbno.org)

2. **Program Management for Katrina Damage Repairs to Water Systems for SWBNO**

Randy White

504-214-6011

3. **Jefferson Parish Roadway Projects**

Mark Drewes, P.E.

(504) 736-6784

[mdrewes@jeffparish.net](mailto:mdrewes@jeffparish.net)

4. **Jefferson Parish Capital Projects**

Neil Schneider, P.E.

(504) 736-6833

[nschneider@jeffparish.net](mailto:nschneider@jeffparish.net)

#### 5. Location of Principal Office

The ECM Consultants, Inc. principal office is located in Jefferson Parish at 1301 Clearview Parkway, Suite 200, Metairie, LA 70001. All work will be performed from this office.

#### 6. Adversarial Legal Proceedings Between the Parish

ECM Consultants, Inc. **has never been involved** in any litigation and/or adversarial legal proceedings with Jefferson Parish

#### 7. Prior Successful Completion of Projects

ECM has successfully completed a number of projects for Jefferson Parish and other clients, **controlling costs**, maintaining the contract's **schedule**, and providing **high quality work**. Below are a few examples:

1. Sewerage & Water Board of New Orleans Hurricane Related Water Restoration Program. **ECM received Commendation for this project.**



## TEC Professional Services Questionnaire

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

2. Orleans Avenue Canal, Remediation of Canal Walls and Levees, Orleans Parish, LA USACE -HPO/NOD ECM-GEC JV IDIQ Contract No. W912WP8-07-D0031, Task Order 0052. **ECM received Exceptional performance rating from USACE.**
3. Repairs to Lapalco Boulevard Bridge over Bayou Segnette. **ECM received Letter of Commendation from JP-DPW Director.**
4. Construction Management for \$900 million SSO Program for City of Baton Rouge/East Baton Rouge Parish. **ECM received commendation from the City.**
5. Program Management Services (PMS) for Western Closure Complex, USACE Contract Nos. W912P8-07-D-0031 T.O. 21, in support of Rock Island District's New Orleans Louisiana (RINOS). **ECM received Exceptional performance rating from USACE-Rock Island District for Program management for this \$1.1 billion ECI project.**

### **PROJECT UNDERSTANDING AND APPROACH**

#### A. Introduction

The ECM's program management approach places highly qualified and knowledgeable personnel to support Jefferson Parish's mission to improve the water pipeline system in both east bank and west bank of the Parish. Previously, the Parish undertook a detailed study to determine the condition of the aged water distribution system including transmission waterlines that are made up of various materials, sizes as well as the subsoil conditions causing separation of pipe joints and deterioration of certain waterlines. As per the study, the conditions of the pipes and locations were identified, and recommendations were made for replacements of the pipes at various locations. The Parish is financing the water system improvement that includes a new water treatment plant to increase treatment capacity, implementation of Advanced Metering Infrastructure (AMI) and improvements to the water distribution system and other related items through a water bond program.

#### A. 1. Understanding of Work Requirements

Work will involve the design and construction of pipeline replacement at multiple locations and under multiple design and construction contracts simultaneously. ECM has a thorough understanding of the requirements of providing Program Management and Quality Assurance Services, having provided these services for multiple contracts for more than two decades to the USACE, SWBNO, Jefferson Parish and City of Baton Rouge. We understand this contract will include a broad range of program management and related services to satisfy fluctuating needs and conditions in accordance with plans and policies developed by various design engineers. The purpose of these activities is to manage all the design and the construction contracts and assure that construction of projects is in accordance with contract plans and specifications. We will serve as "Eyes and Ears" for Jefferson Parish for all projects.

#### A.2 Approach and Methodology

ECM's approach and methodology in providing comprehensive program management and quality assurance services has been developed through successful performance of many large programs for Sewerage & Water Board of New Orleans, Jefferson Parish, City of Baton Rouge and U.S Army Corps of Engineers.

Program management services will be provided from the pre-design stage through construction closeout, and shall include assisting the Parish to review, analyze and make recommendation for various items, but not be limited to the following:

- Develop a list of water pipeline improvement projects
- Define scopes of work for individual projects
- Establish budget for each individual projects
- Negotiate engineering agreements with council selected consultants for various projects
- Prepare engineering agreements
- Review plans, specification and estimates (PS&E)
- Coordination with individual project consulting engineers to ensure acquisition of all necessary construction permits and right of way



## TEC Professional Services Questionnaire

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

- Maintaining all records including a log of all RFIs, PCOs, and contract modifications
- Review and make recommendation for approval of consultant's amendments
- Analyzing construction contractor's/engineer's Request for Change (RFC) proposals from a technical and cost standpoint and make recommendation to the Parish.
- Review and perform cost analysis of construction change orders for justifications and reasonable costs.
- Notifying design engineer/Parish of any deficiencies, non-standard work and safety violations for immediate resolution
- Providing technical solutions and conflict resolution related to contract drawings and specifications
- Monitoring contractor's compliance with schedule, notifying design engineer/Parish in case of slippage of milestones which may affect progress
- Assist in contract administration activities such as emails, correspondence, QA and test reports etc.
- Tracking and management of project funds
- Manage construction claims
- Prepare projects status reports for distribution to Administration/Council and the general public .
- Program Manager Sunina Shrestha, PE will have overall responsibility for executing all program management activities and will be the direct supervisor for design reviews and construction engineers.
- Deputy Program Manager Salvador Maffei will provide support to our Program Manager as required and assist in water quality matters. He served as Director of Jefferson Parish Water Department and very familiar with Parish water systems for both eastbank and westbank.

### **CONCLUSION**

**ECM Consultants, Inc. exceeds the required qualifications, experience, and resources to perform program management services for improvements to water pipelines program in Jefferson Parish. We are poised for immediate assignment and look forward to providing excellent professional services. We hope to receive favorable consideration.**

### **A.3 Program Management Organization**

Our management approach delivers a streamlined, responsive organization with the managerial, technical, and administrative skills to support multiple tasks and deliver quality projects on time and within budget. Our proposed management structure embodies our principles of simplified control and rapid response.

- Leading our organization is Kazem Alikhani, P.E. who will be the Program Principal and the Point of Contact (POC) for Jefferson Parish. He will be responsible for contract management, overall program management, coordination, and liaison with Jefferson Parish. As Assistant Director of Water Department, he is very familiar with Jefferson Parish Water system.
- Our Quality Assurance Manager (QAM), Ujjal Dasgupta, PE will be responsible for overseeing QA process and ascertain that all services provided by ECM are conforming to best practices and meets industry standards



**TEC Professional Services Questionnaire**

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

**Signature:** 

**Print Name:** Kazem Alikhani, P.E.

**Title:** Chief Executive Officer

**Date:** 08/05/2022



***ECM Consultants, Inc.***

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1301 Clearview Parkway, Suite 200, Metairie, Louisiana 70001