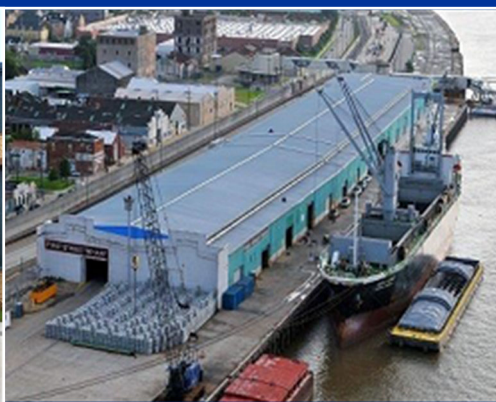




STATEMENT OF QUALIFICATIONS
MISCELLANEOUS ARCHITECTURAL AND ENGINEERING
SERVICES ON AN AS-NEEDED BASIS
JEFFERSON PARISH, LOUISIANA
RESOLUTION No. 145324 | SOQ 24—036



Submitted To:



JEFFERSON PARISH PURCHASING DEPARTMENT
ATTN: MARK BUTTERY, PURCHASING SPECIALIST II
GENERAL GOVERNMENT BUILDING
200 DERBIGNY STREET, SUITE 4400
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

In association with:

IMC Consulting Engineers, Inc.

December 19, 2024

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Jefferson Parish
Resolution No. 145324

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ECM Consultants, Inc.

Engineers • Architects • Construction Managers

www.ecmconsultants.com mail@ecmconsultants.com

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Phone (504) 885-4080

8048 One Calais Avenue, Suite F
Baton Rouge, LA 70809
Phone (225) 615-7885

400 E. Kaliste Saloom Road Suite 4100
Lafayette, LA 70508
Phone (504) 885-4080

Jefferson Parish Council
Attn: Mr. Mark Buttery, Purchasing Specialist
General Government Building
200 Derbigny Street, Suite 4400
Gretna, LA 70053

December 19, 2024

Re: Letter of Interest and Statement of Qualifications
Miscellaneous Architecture and Engineering Services on an As-Needed basis
Resolution No. 145324 | SOQ 24-036

Jefferson Parish Council:

ECM Consultants, Inc., a Metairie based engineering, architectural, and construction management firm, is pleased to submit our Statement of Qualifications in response to your Request for Qualifications (TEC Questionnaire) for the above referenced project.

Our firm has extensive experience in architectural and engineering designs, preparing of plans, specifications and estimates (PS&E), bidding and construction administration services, for a number of building and warehouse projects, both new construction and renovations. We have provided A-E services for many relevant projects such as the Jefferson Parish Public Works Warehouse Facility in Bridge City, State Emergency Warehouse for GOHSEP in Slidell, Aircraft Rescue and Fire Fighting (ARFF) Facility at Louis Armstrong New Orleans International Airport, data center for JPPSS, vehicle maintenance building for City of New Orleans Capital Projects, as well as many building renovation projects for HANO, Port of New Orleans, NOAB, and many schools for OPSB & JPPSS. Additionally, we have provided engineering during construction, inspection and construction management for facilities for SLFPA-E, HUD, HANO, USACE and several other agencies.

Our subconsultant, IMC Consulting Engineers will provide mechanical and electrical engineering services. IMC is located within Jefferson Parish and has substantial experience working with the Jefferson Parish on the types of projects anticipated under this contract.

We thank you for your time in reviewing our qualifications and hope our interest will receive favorable consideration. Should you have any questions or require any additional information, please contact me.

Very truly yours,



Kazem Alikhani, P.E.
Chief Executive Officer

Section 1

ECM Consultants, Inc.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Miscellaneous Architecture and Engineering Services on an As-Needed basis
Resolution No. 145324 – SOQ 24 - 036

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

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:**

Ujjal Dasgupta, P.E., Chief Executive Officer
Louisiana Licensed Professional Engineer
P.E. License No. 19849
Tel: (504) 885-4080 Fax: (504) 885-1439
Email: ujjal@ecmconsultants.com

D. Name, title and contact information of employee who is 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.**PROFESSIONAL IN CHARGE OF PROJECT****Architect**

N. Guy Williams, RA, NCARB, LEED
Louisiana Licensed Registered Architect
LA Architecture License No. 3907
Tel: (504) 885-4080 Fax: (504) 885-1439
Email: gwilliams@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	<u>0</u> Geologists	<u>2</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>16</u> Civil Engineers	<u>0</u> Interior Designers	<u>4</u> Project Managers
<u>32</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/Fund Specialists
<u>1</u> Electrical Engineers	<u>2</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>2</u> Engineer Intern	<u>0</u> Environmental Engineers	
<u>0</u> Professional Land Surveyors	<u>3</u> CAD Technicians	
		<u>72</u> TOTAL

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

If marked "NO" skip to Section I. if Marked "yes" complete Sections G-H.

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

1. **N/A**

2. **N/A**

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

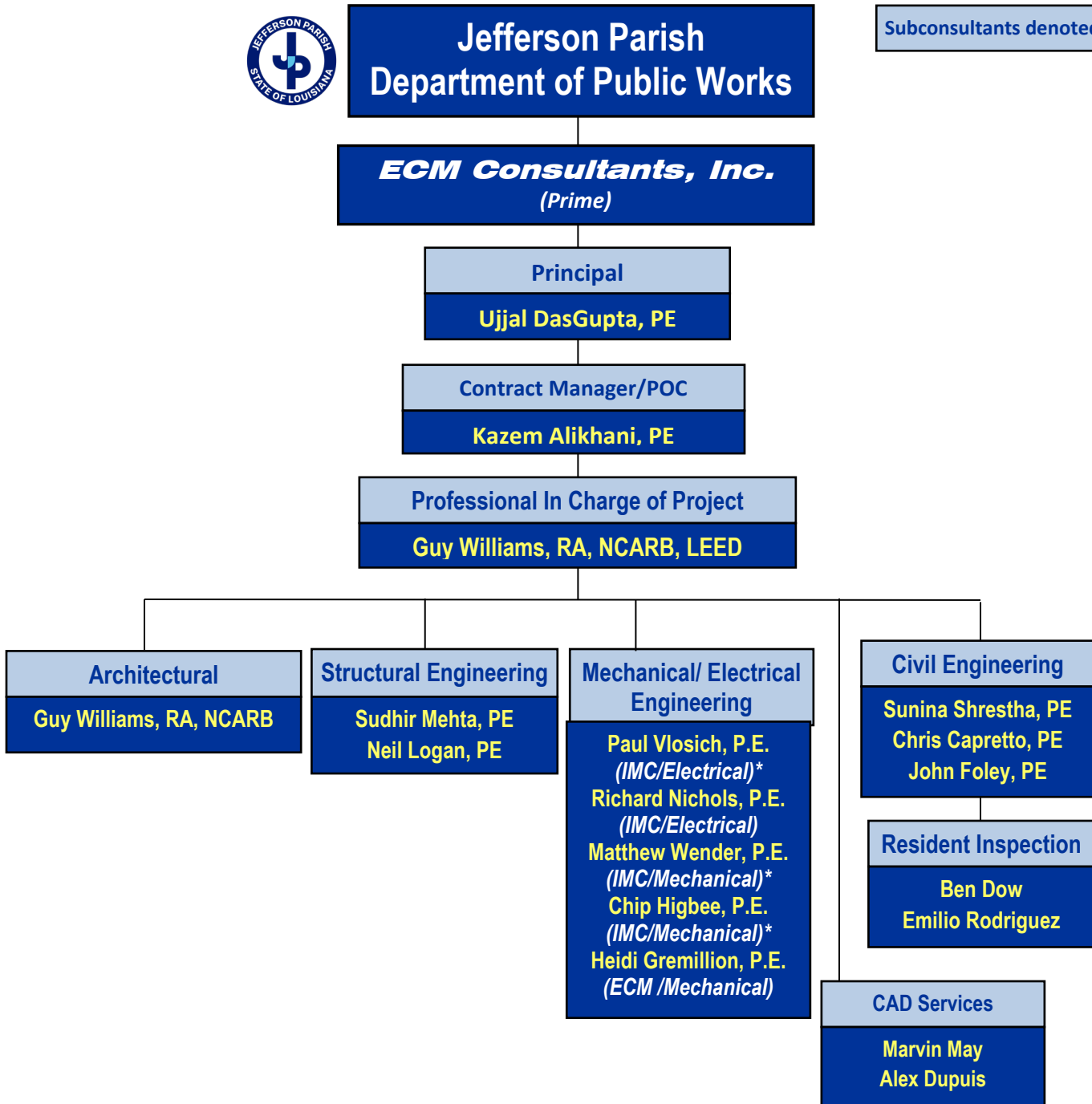
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. IMC Consulting Engineers, Inc. 2714 Independence St. Metairie, LA 70006	Mechanical and Electrical Engineering	YES
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project: 12

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.

ECM Organizational Chart



PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:

Guy Williams, RA, NCARB, LEED - Senior Architect

Project Assignment:

Project Manager/ Architect of Record

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

19

Education: Degree(s)/Year/Specialization:

B.A./ 1983/ Architecture

Active registration: Year first registered/discipline:

Architecture/ LA License No. 3907

Other experience and qualifications relevant to the proposed Project:

Mr. Williams has more than 43 years of experience in architectural design, preparation of construction documents, and construction management for public agency and private sector projects. He is experienced in design renovation and repair projects, and new construction including aviation, military, educational, government, and commercial facilities. As Senior Architect at ECM, he is responsible for management of all architectural projects and supervision of architects and drafters and provides construction management for several projects.

Employment History:

- ECM Consultants Inc, LA, *Sr. Architect* (2005-to date)
- Case Design Group/Carl E. Woodward, Inc. *Staff Architect* (1995-2005)
- Walk, Haydel & Associates, *Staff Architect* (1985-1995)

Jefferson Parish Public Works Warehouse-DPW, Jefferson Parish, LA: Mr. Williams provided **architectural design services** for this \$5M project involving a 50,000 sq. ft warehouse for the Department of Public Works to store supplies for the West Bank of Jefferson Parish. Professional services include initial scoping with Parish officials and building users; cost analysis and estimating for budget purposes; and full design and construction administration services. The scope also included associated administrative offices, repair and service pick-up areas; storage for gas cylinders; fenced-in yard storage; and on-site fueling for Parish vehicles. The facility will be a pre-engineered steel building designed to meet all applicable codes including the current wind-loading requirements.

Joe Brown Memorial Park City of New Orleans-Department of Capital Projects New Orleans, LA: Mr. Williams served as **Project Architect** for the A-E design services for this **\$6.8 million** project involving renovations and repairs to this suburban multifunctional recreational facility. The project involved a new maintenance building that includes an office area, garage, storage area, and paint room. Repairs to a tennis court concession building were also performed and involved repairs to an asphalt shingle roof, interior finishes, and replacement of electrical and plumbing systems. Roof and surface repair as well as bathroom renovations were also conducted on various shelter buildings. This project also involved preparation of a report for FEMA outlining all damages and anticipated costs for repairs.

Hope Haven/ Madonna Complex Buildings (Site inspection, Emergency Shoring, Architectural and structural design) Jefferson Parish, Louisiana: Mr. Williams and other team members performed site investigations to determine the structural integrity as well as general condition of the building and evaluate viability to repair this 3-story historic building that has been abandoned for many years. The scope involved three (3) phases to accomplish the repairs/rehabilitation efforts. Phase I included field investigations and numerous tests to evaluate the existing conditions, and the process needed to revive the building for future use. The roof

of the building is in deteriorated condition and water leaks have caused many of the wood members in the building to lose their structural integrity and have made the building unsafe. After these investigations, a cleanup and temporary shoring plan was designed and completed. Thereafter, a selective demolition plan was completed that involved the removal of damaged and structurally unsound wood members, the temporary shoring of portions of the buildings that are structural unsound, and the temporary repairs to the roof to prevent additional damage by stopping water from entering the building. Project is currently in construction phase for phase I.

Renovations & Repairs at Various Schools, Jefferson Parish Public School System, LA: Mr. Williams served as Project Manager for several repair and renovation projects for Jefferson Parish Schools including Riverdale Middle and High Schools, Ellender, J.C. Ellis and Bissonet Plaza Elementary Schools. Mr. Williams provided a full range of design and construction administration services for renovations and repairs including replacing windows and doors, replacing ceiling tile, replacing flooring, renovating cafeteria buildings, libraries, media centers, renovating conference rooms, etc.

On-Call A-E Services for Revitalization & Modernization of HANO Properties, T.O. No. 1 Interior Renovations & Site Improvements at Iberville Housing Development, New Orleans, LA: Mr. Williams served as Project Manager and **Architect of Record** providing architectural design, construction administration and supervision of construction quality assurance inspection for this \$8 million HANO project involving interior renovations and site improvements. He was responsible for design of community play areas, kitchen cabinet replacement/upgrades, wall repair and painting, new flooring, and new unit door entry hardware systems for entire project. Scope of work also involved architecturally designed trash enclosures, development of new vehicular circulation throughout entire site, and reworking antiquated plumbing systems.

Rehabilitation Projects at Nashville Ave., Esplanade Ave. & Governor Nicholls Street Wharves, Port of New Orleans, New Orleans, LA: Mr. Williams served as Project Manager and Project Architect for \$8.7 million design and construction phase services to rehabilitate three wharf buildings. The project included roof replacement of Nashville Ave. Wharf Shed "A," roof repairs of the Esplanade Ave. Wharf Shed, and roofing and siding rehabilitation at the Governor Nicholls Street wharf facility.

State Emergency Warehouse for GOHSEP at Camp Villere; Slidell, LA: Mr. Williams provided a full range of **architectural services**, from scoping through construction administration, for a 22,500 SF warehouse with associated office facilities at Camp Villere. The warehouse is a one-story structural steel building that will be used to store state procured emergency commodities for immediate response to emergencies, and for housing of evacuees on a temporary basis. Scope of work include architectural and engineering (A-E) Services for the metal building with metal roof and siding, insulation, HVAC for the perishable goods storage area and the office space, loading dock and parking lot, etc.

Fisher Housing Development, New Orleans, LA for Lune d'Or Enterprises, LLC and Housing Authority of New Orleans (HANO), New Orleans, LA: Mr. Williams served as Construction Manager for this \$20 million multi-family housing development project that primarily included two story duplex and triplex buildings for a total of 183 units. His responsibilities included overall management of the construction project; coordination and communication with owner, design architect and contractor; and supervision of ECM's field staff which included a deputy CM, two resident inspectors, and document control staff. He also monitored quality, cost and progress.

Demobilization of 4 Temporary Ascension Parish Public Schools, Ascension Parish, LA: Mr. Williams served as Project Architect for the complete architectural services to demobilize temporary campuses and restore the site infrastructure to pre-flood conditions that resulted from the August 2016 flood. Design services including Program Completion, Schematic Design, Design Development, Construction Documents, Bidding, and Construction Administration. Mr. Williams coordinated with engineering, landscape architects and interior designers during the project duration.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:

Ujjal DasGupta, P.E., President

Project Assignment:

Principal-In-Charge

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

29

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 more than 55 years of experience in project management, civil and structural engineering design, construction management, and construction quality assurance services. He has been responsible for engineering and construction management services for over a billion dollars of projects for various local, state, and federal agencies. As President, Mr. DasGupta is responsible for overall management of all engineering, architectural, and construction management services of the firm.

Employment History:

- ECM Consultants Inc., LA, *President* (1995-to date)
- 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)

Jefferson Parish Public Works Warehouse-DPW, Jefferson Parish, LA: Mr. DasGupta was Principal and point of contact for this \$5M project involving a 50,000sq.ft warehouse for the Department of Public Works to store supplies in the West bank of Jefferson Parish. Professional **A-E services** included initial scoping with Parish officials and building users; cost analysis and estimating for budget purposes. Scope included architectural and engineering design preparation of plans, specification and cost estimates (PS&E). The work also included associated administrative offices, repair and service pick-up areas; fenced-in yard storage; and on-site fueling for Parish vehicles. The facility is a pre-engineered steel building designed to meet all applicable codes and the current wind-loading requirements.

Program Management Services for Orleans Parish School Board: Mr. DasGupta was responsible for Program Management of \$45 million in renovations at 50 schools and construction of two new school buildings for Orleans Parish School Board under the Capital Improvement Program (CIP). His overall responsibilities included design review, coordination with owner and contractors, quality assurance, cost and schedule control and cash flow monitoring. He received a letter of "Commendation" from New Orleans Public Schools for outstanding performance.

Repair of National Guard Hangar 101 at Lakefront Airport, Orleans Levee Board; New Orleans, LA: Mr. DasGupta served as Project Manager for the architectural and engineering design services of a \$3.7 M repair of Hangar 101 at Lakefront Airport in New Orleans. ECM developed 3 separate projects: Demolition of the Hangar; Systems Repairs and Upgrades; and Build-Out of Hangar according to tenants' requirements. ECM also provided

a complete set of working drawings for each phase and provided construction administration services.

Esplanade Avenue Wharf, Governor Nicholls Wharf, and Nashville Wharf shed-A, Port of New Orleans; New Orleans, LA: Mr. DasGupta served as Principal-In-Charge for this \$14.3 million, three building roof and siding renovation. The Scope of work included **architectural design** for replacement of roofs, sidings, gutters, and wall panels as well as structural analysis of the 300' span steel trusses for the Nashville wharf shed "A" for reinforcing the truss members and the columns for category 3 wind load. As part of this contract, ECM also provided damage inspections for 23 separate Port of New Orleans facilities after Hurricane Issac.

On Call A-E Services for Revitalization and Modernization of HANO Properties, Task Orders 1 and 2, Housing Authority of New Orleans: Mr. DasGupta served as Project Manager for the A-E design, construction administration, and full-time resident inspection services in support of HANO's initiatives for the modernization and redevelopment of housing units and support facilities. Projects included: \$6M interior improvements for Guste Hi-Rise; \$600K exterior waterproofing for Guste Hi-Rise; \$6M repair upgrades to occupied and vacant units at the Iberville Housing Development; and \$2M site improvements for the Iberville Housing Development. This was an ARRA funded project and ECM had to complete all design and preparation of PS&E within 90 days to avoid deobligation of funding. And ECM completed this \$14.6 million project in 90 days and received commendation from HANO.

A-E Services for Renovations at Various Schools; Jefferson Parish, LA: Mr. DasGupta served as Principal in Charge for **architectural and engineering design** and preparation of PS&E for the renovation of several schools in Jefferson Parish that included: Riverdale Middle and High School; Phoebe Hearst Elementary School and Bonabel High School. Total Construction cost for all projects was over \$10 million. The scope of work involved pile foundation, installation of concrete beams and slabs, covered walkways, carpeting, and replacement of windows. Major renovations included a cafeteria building, library and conference room as well as converting the existing cafeteria into a media center.

Data Center at Annex Administrative Building, Jefferson Parish Public School System, New Orleans, LA: Mr. DasGupta served as Principal in Charge for this \$4 million project in which ECM provided **architectural and engineering (A-E) services** for this Data Center to a Tier 4 design criteria within the existing Administration Annex Building of the Jefferson Parish Public School System. The Data Center facility included a building with category 5 hurricane resistant wall and roof systems, redundant generators, uninterrupted power supplies, electrical and mechanical cooling systems with an N+1 redundancy for continual operation of the state-of-the-art data center for the school system. Project scope also included outdoor fuel tank and day tanks with piping for fuel supply to the generators.

Aircraft Rescue and Fire Fighting Building, Louis Armstrong New Orleans International Airport; Kenner, LA: Mr. DasGupta served as Project Manager for this Joint Venture Project. This project involved **A/E design** of a new \$10M, 24,000 sft Aircraft Rescue and Fire Fighting building including pavement, water, wastewater, and storm drainage design, and site paving. The building contains 8, one-story apparatus bays with special ventilation systems for removal of exhaust smoke, automatic roll up door opener, wash bays and heating system. The building also included HVAC, electrical & fire alarms, communications & fire protection systems for office areas, housing for firemen, kitchen & dining area, exercise room, and a state-of-the-art training facility. ECM prepared architectural details, all structural and civil site work design and prepared PS&E and construction administration services.

A-E Services for Beechgrove Court Subdivision, Phase II, Jefferson Parish Community Development, Westwego, LA: Mr. DasGupta served as Program Manager for A-E services for \$5 million site development and construction of 44 single-family affordable housing units for Jefferson Housing Foundation (JHF) and Jefferson Parish Community Development. ECM provided design phase, bidding-negotiation phase, construction administration, and resident inspection services for the project. Scope of work involved detailed construction plans-specifications-contract documents, permitting, final cost estimates, assisting JHF in obtaining bids and preparing construction contract, construction contract administration, preparation of progress reports, review shop drawings, and final inspection.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**Name & Title:****Kazem Alikhani, P.E., Chief Executive Officer****Project Assignment:****Contract Manager / POC****Name of Firm with which Associated:****ECM Consultants, Inc.****Years' experience with this Firm:****8****Education: Degree(s)/Year/Specialization:****MS/1984/ Engineering with concentration in Civil, Hydraulic & Hydrology****BS/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 more than 44 years of experience in public works projects including planning, design and construction management. As CEO of ECM, Mr. Alikhani serves as Project Manager for a variety of infrastructure projects, overseeing staff, budgets, timeline and working with owners, consulting firms and subconsultants to ensure timely and accurate project delivery. He spent the majority of his career working with the Jefferson Parish Department of Public Works. Most recently, Mr. Alikhani was the Director of Public Works, responsible for all public works functions and overseeing and managing departments of drainage, sewerage, water, streets, parkways, environmental, floodplain management, hazard mitigation, engineering and capital projects. 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)

Jefferson Parish Drainage Department Facility, LA: Mr. Alikhani planned and secured funding for design and construction of a new field facility for the Jefferson Parish Water Department on the West Bank of the Parish. The facility included offices for engineers and supervisors, and a maintenance shop for field work and equipment. The building was also designed to house administrative staff and field crews during storm and hurricane events, including sleeping quarters and food preparation facilities.

Jefferson Parish Water Department Facility, LA: Mr. Alikhani planned and secured funding for design and construction of a new field facility for the Jefferson Parish Water Dept. on the West Bank of the Parish. The facility included offices for engineers, supervisors, and a maintenance shop for field crews and equipment.

Public Works Facilities Improvements: Mr. Alikhani managed assets and oversaw facilities, design, and rehabilitation projects. He was involved in development of the West Bank public work maintenance facilities that included new buildings for drainage, water and sewer department storage facilities for west bank of Jefferson parish. This project relocated all essential public works buildings and warehouse operations in one centralized location off LA18 in Bridge City.

Hope Haven/ Madonna Complex Buildings (Site inspection, Emergency Shoring, Architectural and structural design) Jefferson Parish, Louisiana: Mr. Alikhani served as principal in charge and other team

members performed site investigations to determine the structural integrity as well as general condition of the building and evaluate viability to repair this 3-story historic building that has been abandoned for many years. The scope involved three (3) phases to accomplish the repairs/rehabilitation efforts. Phase I included field investigations and numerous tests to evaluate the existing conditions, and the process needed to revive the building for future use. The roof of the building is in deteriorated condition and water leaks have caused many of the wood members in the building to lose their structural integrity and have made the building unsafe. After these investigations, a cleanup and temporary shoring plan was designed and completed. Thereafter, a selective demolition plan was completed that involved the removal of damaged and structurally unsound wood members, the temporary shoring of portions of the buildings that are structural unsound, and the temporary repairs to the roof to prevent additional damage by stopping water from entering the building. Project is currently in construction phase for phase I.

East Jefferson Levee District Safehouse & Consolidated Facility, Kenner, LA: Mr. Alikhani is serving as Principal in Charge for this East Jefferson Levee District project for which ECM provided resident inspection services for construction of a new consolidated facility and safe house. ECM is responsible for monitoring and documenting all construction activities including reviewing progress schedule, construction plans and specifications; reviewing the contractor's safety plan, testing plan, quality control plan; attending meetings with contractor and owner; preparing inspection reports; conducting on-site observations of work progress and determining if work is in accordance with contract documents; reporting any substandard work to the SLFPA-E appropriately recorded; maintaining detailed and orderly records; regular progress reports and immediate reporting of accidents or non-conforming work; performing final inspection and completion activities.

Jefferson Parish Performing Arts Center, LA: Mr. Alikhani managed the final steps in construction of a new \$54 million Parish performing arts center. The facility has 1,050 seats and is approximately 86,000 square ft.

Nashville Ave. Wharf Terminal Shed "A" Rehabilitation, Port of New Orleans, New Orleans, LA (2017): Mr. Alikhani was Task Manager & Principal in Charge for construction management and inspection services for rehabilitation of this Port warehouse shed. The project included demolition of a 792,000 SF built-up roof system and replacement with a standing sim metal roof structure to meet current wind load requirements. Cost: \$8.7 M

Bucktown Marina: Mr. Alikhani was responsible for the project including design and construction of a new marina with two floating piers, comprised of 40 recreational boat slips and 30 commercial boat slips, with water, sewer, and electrical service, a paved entry and parking area with associated drainage, landscaping, decorative lighting, promenade walkway and benches. The harbor is designed to withstand a "100-year storm," or a hurricane that has a one percent chance of occurring in a given year, and its piers can ride a 15-foot storm surge while remaining attached to their pylons.

Lakeshore Library, Metairie, LA: As Director of Public Works, Mr. Alikhani oversaw the Capital Projects team planning, design, design review and bidding for a new \$2 million, 7,700 square foot FEMA-funded library, including demolition of the existing structure, damaged during Hurricane Katrina. The new library is state-of-the-art and includes contemporary design and energy efficient systems upgrades and is elevated about three feet in order to provide protection from future flood events. The interior includes versatile fixtures and planning to allow for future flexibility in shelving and occupancy needs, emphasis on a children's area, public art green and recycled materials, and other sustainable design features.

Quality Control Services for Guste III Housing Completion Work, Housing Authority of New Orleans (HANO), New Orleans, LA (2018): Mr. Alikhani served as Principal in Charge for this project for which ECM provided construction management and resident inspection services for quality control assurance for completion and corrective work on this multi-family housing construction project. Construction Cost: \$45 million.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:

Sudhir Mehta, P.E. – Structural Engineer

Project Assignment:

Structural Engineering

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

6

Education: Degree(s)/Year/Specialization:

BS/1972/Civil Engineering, MS/1976/Civil Engineering

Active registration: Year first registered/discipline:

1980/Civil Engineering/No. 18950

Other experience and qualifications relevant to the proposed Project:

Mr. Mehta has 50 years of experience in the design, analysis and construction of major hydraulic structures such as pumping stations, floodwalls, floodgates and other flood control structures for multiple USACE districts, states and municipalities.

Employment History:

- ECM Consultants Inc, LA, *Structural Engineer (2018 to date)*
- Brown, Cunningham and Gannuch, *Senior Structural Engineer/Project Manager (2006-2018)*
- URS Corp, *Senior Structural Engineer/Project Engineer (2005-2006)*
- Pepper & Associates, *Senior Structural Engineer/Project Manager (1975-2005)*
- S E Huey Co Consulting Engineers, *Project Engineer (1973-1975)*
- Linfield and Hunter, Inc., *Engineer in Training (1971-1973)*

Hope Haven/ Madonna Complex Buildings (Site inspection, Emergency Shoring, Architectural and structural design) Jefferson Parish, Louisiana: Mr. Mehta serving as structural engineer and other team members performed site investigations to determine the structural integrity as well as general condition of the building and evaluate viability to repair this 3-story historic building that has been abandoned for many years. The scope involved three (3) phases to accomplish the repairs/rehabilitation efforts. Phase I included field investigations and numerous tests to evaluate the existing conditions, and the process needed to revive the building for future use. The roof of the building is in deteriorated condition and water leaks have caused many of the wood members in the building to lose their structural integrity and have made the building unsafe. After these investigations, a cleanup and temporary shoring plan was designed and completed. Thereafter, a selective demolition plan was completed that involved the removal of damaged and structurally unsound wood members, the temporary shoring of portions of the buildings that are structural unsound, and the temporary repairs to the roof to prevent additional damage by stopping water from entering the building. Project is currently in construction phase for phase I.

Orleans Parish Prison (OPP), New Orleans, LA: Mr. Mehta served as Structural Engineer, EIT for design of the new 12 story, including mezzanine floors, reinforced concrete structure. Responsibilities included analyzing and designing the reinforced concrete frames for the structure. Additionally, he designed the floor system which consisted of waffle slab, and the foundation for the structure. Work was done under a direct supervision of the chief engineer of the firm.

Southern Savings Building, New Orleans, LA: Mr. Mehta was Structural Engineer, EIT, responsible for analyzing and designing the twelve-story reinforced concrete frames for the wind and gravity loads for the structure. Responsibilities also included the design of the concrete joist floors and roof slab for this project. Additionally, he designed piled footings for the structure.

N. Hullen & Severn Ave. Strip Mall, Metairie, LA: Mr. Mehta served as Structural Engineer for design of a structural steel one story strip mall.

J.C. Penney Store, Wichita, KS: Mr. Mehta served as Structural Engineer, responsible for the design and analysis of the two-story structural steel frames for the wind and live loads. The structural steel sections were designed using plastic design method per AISC requirements. Also designed the steel joist and composite concrete floor and roof system as well as footings for the structure.



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:

Neil Logan, P.E.- Senior Structural Engineer

Project Assignment:

Structural Engineer

Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:

20

Education: Degree(s)/Year/Specialization:

B.S./1961/Civil Engineering

Active registration: Year first registered/discipline:

1974/Civil Engineer/LA License No. 14607

Other experience and qualifications relevant to the proposed Project:

Mr. Logan has more than 48 years of experience as a structural engineer. His project experience including commercial buildings, warehouses, maintenance and industrial facilities.

Employment History:

- ECM Consultants Inc, LA, *Sr. Structural Engineer (Contract) (2001-to date)*
- N-Y Associates, *Structural Engineer (Contract) (1994-to date)*
- N-Y Associates, *Structural Engineer (1976-1991)*

State Emergency Warehouse for GOHSEP at Camp Villere; Slidell, LA: Mr. Logan provided structural design for this \$1.5M one-story, 22,500 SF structural steel warehouse building. Structural work included isolated footing foundations at each steel column, grade beams and concrete flooring, roof structure and siding, supply dock, and review of metal building shop drawings.

Aircraft Rescue and Fire Fighting Building, Louis Armstrong New Orleans International Airport; Jefferson Parish, LA: Mr. Logan provided structural design services for a new \$10M facility. The 24,000-sf building is a two story steel framed building with exterior concrete block wall with 8 bays, office area, housing for firemen, kitchen and dining area, exercise room, state of the art training facility, oil/water separator, plumbing with firewater loop, security system, parking lot, and access road. Mr. Logan provided structural design for pile foundation, steel frame building, metal roof, concrete block exterior wall, etc.

Esplanade Avenue Wharf, Governor Nicholls Wharf, and Nashville Shed "A"; Port of New Orleans; New Orleans, LA: Mr. Logan served as Structural Engineer for this \$11 million, three building roof and siding renovation. The Scope of work included replacement of roofs, sidings, gutters, and wall panels. He supervised and reviewed structural analysis of the existing 300 ft span trusses spaced at 20 ft. This included 3-D modeling of the trusses in STAAD structural design software analysis for 130 mph wind load that required stretching of a number of truss members.

Multi-Mission Station Building for U.S. Coast Guard on Lake Pontchartrain; New Orleans, LA: Mr. Logan provided structural design of this \$10.5 M US Coast Guard building on Lake Pontchartrain. The steel framed two story building is supported on piles, with a concrete floor, metal stud interior walls, and metal roof.

McDonogh School Foundation; New Orleans, LA: Mr. Logan provided Structural Design Services for a new foundation of an 1879 historical building. The school was moved from its current location to a site near the LSU Medical center campus. The scope of work included a new pile supported foundation, with masonry columns and walls to fit on top of the foundation slab which is tied into the existing masonry undercarriage of the historical building.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:

Heidi Gremillion, P.E. – Senior Mechanical Engineer

Project Assignment:

Mechanical Engineering

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

MS/1994/Mechanical Engineering

BS/1992/Mechanical Engineering

Active registration: Year first registered/discipline:

1998/Mechanical Engineer/ LA 27958

Other experience and qualifications relevant to the proposed Project:

Ms. Gremillion has over 25 years of experience in mechanical engineering, responsible for design and field coordination of air conditioning, heating and ventilation systems, heat load analysis, plumbing, gas distribution system design, fire protection system, cost analysis and preparing technical specifications. Her experience includes:

Employment History:

- ECM Consultants Inc., LA, *Mechanical Engineer* (2019 - to date)
- URS/AECOM, LA, *Mechanical Engineer* (2014-2018)
- Howell Consultants, LLC, LA, *Mechanical Engineer* (2002-2014)
- Perrin and Carter, LA, *Mechanical Engineer* (1997-2002)
- Walk, Haydel & Associates, LA, *Mechanical Engineer* (1994-1997)

Jefferson Parish Eastbank Water Treatment Plant Improvements Phase II (P4) and Bacteriological and Wet Chemistry Laboratory: Ms. Gremillion served as Mechanical Engineer for the design analysis of the Consultants' design for the new P4 Water Treatment Plant and Bacteriological and Wet Chemistry Laboratory. ECM responsibilities included reviewing the structural, mechanical, **architectural**, civil, and electrical plans to ensure conformance and constructability within the established project budget. ECM also performed a Value Engineering evaluation on the P4 Water Treatment Plant to determine cost saving measures where recommendations would produce a \$20M cost savings

1508 and 1601 Orleans Avenue Apartments, New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for this project that included renovation of historical buildings and new 3-story buildings to provide 70 apartments and community spaces. Total of all buildings are approximately 66,000 square feet. Scope for this design- build project included complete HVAC, Plumbing and Fire Protection systems design.

801 Magazine Street, New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for renovation of an existing 2-story building located on Julia Street and Magazine. The first floor houses the Auction House Market with a commissary kitchen and event space. The second floor of the building provides 8 high-end apartments. We provided design for HVAC, Plumbing and Fire Protection.

234 Loyola Drive Apts., New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for renovation of two 10 story buildings on Loyola and Gravier St. A total of 135,000 square feet. Both buildings were completely stripped to the structure and all new systems were provided. We were responsible for the Plumbing design and coordination with all disciplines. This was a design build project. Another project included renovation of the

mezzanine, second and third floors. The mezzanine is a music venue and bar, the second floor is the Pythian Ball Room and common areas, the third floor is Green Coast Enterprises and Magnolia Therapy.

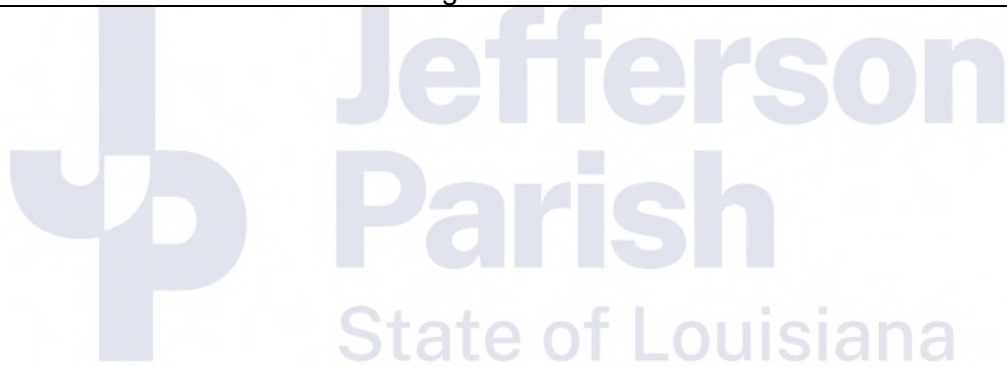
2228 Gravier Street Apartments and Office Space, New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for this renovation project that included converting an existing 4-level historical school building into rental spaces. Approximately 22,000 square feet of space were converted into office areas, a gym, common spaces and 14 high-end apartments. She provided design for HVAC, Plumbing and Fire Protection.

214 Decatur Street Apartments Apts., New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for this total demo project of a 3-story building, approximately 26,845 square feet and included all new HVAC and Plumbing systems.

St. Anna's Residence – Renovations, New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for this renovation of a 3-story existing nun's residence building, approximately 25,000 square feet. HVAC systems were brought up to code and major plumbing renovations were done.

Burgundy – Elysian Fields Apartments, New Orleans, LA: Ms. Gremillion served as Mechanical Engineer for this 20,000 square foot, new construction, apartment complex. She provided design for HVAC, Plumbing and Fire Protection.

835 Julia Street Lots. New Orleans, LA: A complete renovation of the existing 4-story, 35,000 square foot building with high end apartments and enclosed parking. Scope included mechanical engineering design and construction coordination for HVAC and Plumbing.



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:

Sunina Shrestha, P.E., Engineering Manager

Project Assignment:

Civil Engineering

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

16

Education: Degree(s)/Year/Specialization:

M.S./2008/Civil Engineering

Active registration: Year first registered/discipline:

2013/Civil Engineering/LA License No. 37901

Other experience and qualifications relevant to the proposed Project:

Ms. Shrestha has 18 years of experience in engineering design and analysis for facilities, roadway, drainage, bridge, and water resources projects. Her experience includes preparation of Right-of-Way Maps using GIS, sewer system design using GIS, hydrologic and hydraulic analysis for canals, and development of site plans. Ms. Shrestha is trained and experienced in the use of GIS (ArcView 9), HEC- RAS, HEC- HMS, SWAT, AutoCAD, AutoCAD Land Development, SAP 2000, and WINSLAMM.

Employment History:

- ECM Consultants Inc, LA, *Civil Engineer (2009-to date)*
- UAH, *Graduate Research Assistant in Civil Engineering (2007)*
- RITI Consultancy Pvt. Ltd., Nepal, *Field Engineer (2005)*

LADOTD Retainer Contracts for ADA Compliant Bathroom Facilities; Districts 03, 05, 07, LA: Mr. Shrestha civil engineering design for the addition of three ADA compliant bathroom facilities. ECM's scope of work will be design of foundation and slab design for the buildings as well as the required site development design. These facilities are located in Lafayette, Monroe and Lake Charles, Louisiana.

Gravier Street Improvements, City of New Orleans-DPW; New Orleans, LA: Ms. Shrestha provided civil engineering for this \$4.8 million project which consisted of design, preparation of plans and specifications, and cost estimates for roadway reconstruction including storm drainage, sidewalk improvements, and water and sewer improvements at Gravier Street between S. Galvez and S. Broad.

Severn Avenue Corridor Improvements, Jefferson Parish, DPW, Jefferson Parish, LA:

Ms. Shrestha is providing civil engineering for this project involving preparation of plans and specifications for the replacement of existing sidewalks and driveway aprons with new 8-feet wide patterned, colored concrete and/or brick pave sidewalk and driveway aprons, corridor improvement to facilitate new bicycle lane, replacement/upgrade of subsurface drainage including the removal and replacement of associated concrete pavement on property side travel lane with curb and gutter section, addition of turn lanes at 17th street and West Esplanade Avenue, landscaping, lighting, and new permanent striping.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Chris Capretto, P.E., Civil Engineer
Project Assignment:
Civil Engineering
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 16 years of experience in highway and transportation projects, including pavement design, design of horizontal and vertical roadway alignments, storm water drainage and utility system design. His participation in representative projects includes project management, design of steel structures, design of concrete foundations, roadways and drainage design for urban and rural highways and streets.

Employment History:

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

Replacement of Warehouse Firewater Piping at Bayou Choctaw Site, US Dept. of Energy (DOE), Strategic Petroleum Reserve (SPR), Plaquemines, LA: Mr. Capretto served as lead Project Designer for the replacement of existing warehouse firewater piping. Existing sprinkler system was a dry pipe system that corroded over time due to residual water remaining in the pipe following scheduled system tests. Sites visits were conducted to locate leaks in several locations within the system. Design for new firewater piping and sprinkler system was provided using latest NFPA standards.

Cool Roof Implementation Study, All Sites, U.S. DOE, SPR, Texas and Louisiana: Mr. Capretto served as Project Manager on the review and modification of standard specification sections and Level III design criteria required for the implementation of the new building energy efficiency requirements put into effect by DOE Secretary Chu. Coordinated with DOE representatives, revised standard specifications per the discussions, and submitted them through the formal technical review process. Changes included those to specification sections related to roofs, both construction of new roofs and repair of existing ones.

Site Building Upgrades at West Hackberry Site, U.S. DOE, SPR, Hackberry, LA: Mr. Capretto provided engineering design for upgrades to administrative and facility buildings, including replacement of flooring and siding, roof repairs, window replacement, door repairs, and entrance canopy additions. Upgrades focused on Green Building techniques to reduce heat loads by improving reflectivity and reducing thermal emissivity.

LADOTD Retainer Contracts for Civil & Structural Design Services for Facilities, Statewide, LA: Mr. Capretto is providing civil engineering for the Franklinton Maintenance Building, Central Repair Shop and ADA Compliant Bathroom Facilities in Districts 03, 05 and 07 located throughout Louisiana. The scope of work involved structural design services for a new 1,400 sf single-story maintenance building, a 10,000-sf single-story metal building and three ADA compliant bathroom facilities.

Jefferson Parish Public Works Warehouse-DPW, Jefferson Parish, LA: Mr. Capretto provided civil engineering design services for this project involving a 50,000 sq.ft warehouse for the Department of Public Works to store supplies for the West Bank of Jefferson Parish. Professional services included initial scoping; cost analysis and estimating for budget purposes; design and preparation of PS&E for the civil engineering portion of the project involving parking lot, site drainage evaluation, water & sewer lines, repair and service pick-up areas; fenced-in yard storage; and on-site fueling for Parish vehicles.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:

John S. Foley, III, P.E., Civil Engineer

Project Assignment:

Civil Engineering

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

B.S./2010/Civil Engineering

Active registration: Year first registered/discipline:

2015/Civil Engineering/LA License No. 42740

Other experience and qualifications relevant to the proposed Project:

Mr. Foley has ten years' experience in design and preparation of plans, specifications & estimates (PS&E) of civil projects for LADOTD and public works projects. His experience includes feasibility studies, environmental assessments, roadway design, subsurface drainage, and utilities relocations.

Employment History:

- ECM Consultants Inc, LA, *Civil Engineer (2019-to date)*
- Buchart Horn, Inc., *Project Engineering (2014-2019)*
- HNTB, *Intern Engineer (2013-2014)*

Spartan Drive Shared-Use Path, City of Slidell, LA: Mr. Foley was a project engineer for the design of a shared-use path in Slidell, LA to be used by pedestrians and bicycles traveling between Salem High School and Fritchie Park. The path requires two large drainage structures. Design is in accordance with LADOTD specifications and providing construction management services. Project Designer responsible for design plan preparation.

Transit Improvement Design for District 3, Jefferson Parish, LA: Mr. Foley served as Project Engineer for design for improvements to 317 bus stops within Council District 3 for Jefferson Parish. Scope of work included preparing detailed construction plans and technical specifications with the latest LA DOTD criteria. He prepared plans that included locations of all utilities affected by proposed construction, improvements to the bus stops and adjacent intersections. Improvements included enhancements for accessibility, safety and features needed to achieve ADA compliance. Work also included required sidewalks, ADA ramps, crosswalks, signage, striping, boarding and lighting areas, benches, and shelters.

Harrison Avenue Improvements, St. Tammany Parish, Covington, LA: Mr. Foley was a part of the project team that conducted a feasibility study and subsequent design and construction management of recommended improvements. He as a part of the design team, evaluated two proposed alternates for the reconstruction of Harrison Avenue and provided design services for a two-lane roadway with raised median, sidewalks, two roundabouts, and subsurface drainage. He designed and prepared line and grade sheets.

LA 931 at Roddy Road Roundabout, Ascension Parish, Gonzales, LA: Design services for a single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. The design will comply with state and federal guidelines and receive LADOTD review and approval. Project Engineer responsible for designing plan and profile geometry and typical sections for preliminary design plans and roundabout report. Performed a cost-benefit analysis and drafted a roundabout report.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Ben Dow, Inspector

Project Assignment:

Technical Services, Construction Inspection

Name of Firm with which Associated:

ECM Consultants, Inc.

Years' experience with this Firm:

8

Education: Degree(s)/Year/Specialization:

High School Diploma, USACE Levee Inspection Workshop, NHI Certified-Safety Inspection of In-Service Bridges Movable Bridge Inspection Workshop

Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Mr. Dow has over 14 years of experience performing assessment inspection services for levees, bridges, and dams. His experience includes performing safety inspections, verifying structural stability, daily inspections of construction activities, and preparing and submitting reports.

Training & Certifications: NHI Training Certification-Introduction to Safety Inspection of In-Service Bridges; NHI Certified-Safety Inspection of In-Service Bridges; Movable Bridge Inspection Workshop; USACE Levee Inspection Workshop; Training Aids for Dam Safety (TADS)

Employment History:

- ECM Consultants, Inc., LA, Inspector (2008- present)
- Eustis Engineering, LA, *Geotechnical Lab Mgr.* (2002-2008)
- Channel Shipyard & Fleet, Inc., LA, Fleet mate (1998-2002)

BA-27c Barataria Basin Landbridge CU 7 & 8, AG-7217-C-12-0006, Task Order 1, USDA-NRCS, Jefferson Parish, LA: Mr. Dow provided construction quality assurance inspection services for the construction of BA-27c Barataria Basin Landbridge. This project was designed to significantly reduce the wave energy impacting the shorelines of Little Lake and Bayou Perot and to protect the adjacent marsh areas from further degradation.

Periodic Inspection of Mississippi River East Bank Levee System, USACE-New Orleans District, Baton Rouge to New Orleans:

Mr. Dow served as Inspector for this project which consisted of conducting Periodic Inspections (PI) of the Mississippi River East Bank Levee System (Baton Rouge to New Orleans). The work included 107 miles of levees and floodwall sections and several closure structures and pumping stations. The purpose of the PI was to verify proper operation and maintenance, evaluate operational adequacy and structural stability, review design criteria to identify changes in current design standards, identify features to monitor over time, and improve the ability to communicate the overall condition.

Permanent Protection System for Outfall Canals at 17th St., Orleans and London Avenue, Orleans Parish, US Army Corps of Engineers-New Orleans District:

Mr. Dow was responsible for rainfall and water level monitoring for this project that involved construction of levees, levee enlargement, steel sheet pile and concrete flood walls, drainage canal improvements, drainage structures, culverts and stone revetments, and concrete mats.

Periodic Inspection of West of Atchafalaya Floodway Levee System, USACE-New Orleans District, St. Martin Parish to Melville:

Mr. Dow served as Inspector for this project which consisted of conducting Periodic Inspections (PI) of the West of Atchafalaya Floodway Levee System (St. Martin Parish to Melville, LA). The work included 63.74 miles of levees and floodwall sections and several closure structures and pumping stations. The purpose of the PI was to verify proper operation and maintenance, evaluate operational adequacy and structural stability, review design criteria to identify changes in current design standards, identify features to monitor over time, and improve the ability to communicate the overall condition.

IDIQ Dam Safety Inspection of State Regulated Dams, Statewide, LA, State Project No. 4400003970: Mr. Dow performed 489 safety inspections for 289 dams under this three-year IDIQ contract. He was responsible for inspection and documentation of various features of dams including embankment, concrete section, spillways, galleries, intake and outlet works and channels. This also included documenting evidence of leakage, erosion, seepage, instability, undue settlement, cracking, tilting, displacement, etc.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Emilio Rodriguez – Inspector
Project Assignment:
Resident Inspection
Name of Firm with which Associated:
ECM Consultants, Inc.
Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
A.S. / 2005/ Architectural CAD
A.S. / 1989 / Technical Architecture (Construction
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Mr. Rodriguez has over 32 years of experience as an inspector. He has provided inspections for construction of movable bridges including vertical lift bridge, coatings and painting of bridge steel structural elements, safety inspection of numerous in-service bridges, erosion protection and coastal restoration projects. Mr. Rodriguez will serve as Lead Inspector for this contract.

Employment History:

- ECM Consultants Inc., LA, *Mechanical Engineer* (2010 - to date)

HANO Quality Control Services for Guste III Completion Work, New Orleans, LA: Mr. Rodriguez is providing resident inspection services for quality control assurance for completion and corrective work on this multi-family housing construction project. Duties include daily reports, observation of contractor activities, progress reports, review of contractor applications for payment, and coordination of testing and inspection services.

Hurricane Katrina Damage Repairs and Demolitions at New Orleans Lakefront Airport, New Orleans, LA: Mr. Rodriguez provided construction inspection services for this FEMA-funded project that included several building demolitions, repairs to multiple sewer lift stations, drainage repairs and miscellaneous damaged items repairs.

S.P. No. 700-99-0405, Crescent City Connection Division Annual Bridge Inspection, LA DOTD, New Orleans, LA: Mr. Rodriguez provided bridge and facility inspection services of the Main Bridge couplet (east and west bound structures) over the Mississippi River, structural steel paint condition inspection, approaches, ferry facilities, pontoons, mooring, toll facilities, pedestrian bridges, pump station, and buildings at CCD-owned facilities in Orleans, Jefferson, and St. Bernard Parishes. He also participated in preparing the report that detailed specific findings of the inspection.

Fisher Housing Redevelopment, Housing Authority of New Orleans (HANO), New Orleans, LA: Mr. Rodriguez provided construction inspection services for this \$20 million multifamily housing development project that included construction of two-story duplex and triplex buildings (183 units). He performed construction QA inspections for compliance with plans, specifications and building codes; reviewed and monitored project documentation to ascertain contractor and AOR compliance; scheduled and attended progress meetings; and prepared inspection reports. He also reviewed contractors monthly pay requests and PCO's for approval; performed substantial completion, final completion and warranty inspections.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**Name & Title:****Marvin May- Senior CAD Technician****Project Assignment:****CAD Services****Name of Firm with which Associated:*****ECM Consultants, Inc.*****Years' experience with this Firm:****22****Education: Degree(s)/Year/Specialization:****1999/AutoCAD Drafting****Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

Mr. May has over 22 years of experience in AutoCAD drafting. His experience includes preparation of plan and profiles, cross sections, and miscellaneous details for roadway, drainage, and utilities projects. He is trained in both AutoCAD and Microstation V8.2.

Employment History:

- ECM Consultants Inc, LA, *CAD Technician (2002-to date)*

Jefferson Parish Public Works Warehouse-DPW, Jefferson Parish, LA: Mr. May provided CAD drafting for this project which involved preparation of plan and profiles, typical section, cross sections, intersection details, drainage structures details and miscellaneous details for two new additional lanes and plans, sections and details for widening of existing roadway. This project scope included cold planning, base repairs, curb repairs, drainage improvements, asphalt leveling and wearing course and striping for rehabilitation of the existing two-lane roadway.

On-Call Architectural and Engineering Services for the Revitalization and Modernization of HANO Properties (Guste High Rise, Task Order 2); Orleans Parish, LA: Mr. May provided CAD support services involving preparation of plans & details for HANO's initiatives for the modernization and redevelopment of housing units and support facilities in New Orleans. ECM has provided design and construction administration to facilitate HANO's goal of incorporating federal requirements in the interior and exterior renovations at Guste Highrise.

Progressive Church; Marrero, LA: Mr. May served as CAD Technician for this project. ECM provided engineering services that included preparation of plans and specifications for a large multi-purpose room, office space, access roads, parking areas, landscaping, and water and sewer systems.

Aircraft Rescue and Fire Fighting Facility at Louis Armstrong New Orleans International Airport; Kenner, LA: Mr. May provided CAD support for this project that involved design of a new 24,000 sf Aircraft Rescue and Fire Fighting Facility. The building is a two-story framed building with exterior concrete wall and includes 8 bays, office area, housing for firemen, kitchen and dining area, exercise room, state of the art training facility, oil/water separator, plumbing with firewater loop, parking lot and access road.

Beechgrove Subdivision, Phase II, Jefferson Parish Dept. of Community Development; Jefferson Parish, LA: Mr. May provided CADD services for the Beechgrove Subdivision, a 7-acre single family residential development, that included concrete road, curb, subsurface drainage, water and sewer system. He was also involved in preparation of architectural plans and foundation details for various types of houses in the Beechgrove Subdivision Development.

Design for St. Bernard Housing Development Roadway, Water, Sewer, and Drainage Systems, New Orleans, LA: Mr. May served as CAD Technician for this project that involved replacement of roadway, water, sewer, and drain lines and associated items for the entire housing development for HANO.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**Name & Title:****Alexandra Dupuis, CAD Technician****Project Assignment:****CAD Technician****Name of Firm with which Associated:*****ECM Consultants, Inc.*****Years' experience with this Firm:****>1****Education: Degree(s)/Year/Specialization:****2017/AutoCAD Drafting****Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

Ms. Dupuis has more than 7 years of experience in AutoCAD drafting. Her experience includes creating 3D models and making 2D out of the 3D models, preparing layouts as directed by engineers/architects, preparation of plans and profiles, X-sections and various details for roadways, drainage, and utilities system projects

Employment History:

- ECM Consultants Inc., LA, *Sr. Structural Engineer (2023-to date)*
- Project Consulting Services, Inc., *Piping Designer (2022-2023)*
- Huntington Ingalls, *Designer II (2018-2022)*
- American Metal Fab, Inc., *Drafter (2016-2017)*

The following are examples of his relevant experience:

Transit Improvement Design for District 2, Jefferson Parish, LA Ms. Dupuis provides CAD services for the changes being made to 252 bus stops that follow the latest standards given by the Jefferson Parish, LA DOTD, and AASHTO. The project includes photos of bus stop locations with documentation of changes being done to follow updated standards. The views of the bus stops will be designed to include detailed information on proposed concrete layouts, dimensions, street name callouts, and placement of bus stop signs.

Chateau Elementary School-Hurricane Ida Repairs, Kenner, LA Ms. Dupuis provided CAD services to Chateau Elementary School in Kenner, Louisiana by designing plans and adding information on damage repairs that needed to be done because of the hurricane. She created and modified floor plans that have detailed callouts referencing to photos of damage done by hurricane. Photos are then documented with descriptions of damage and what needs to be repaired. Floor plans, details, and photos document repairs to floors, walls, and ceilings of school building.




Grand Isle Water Systems Improvements, Grand Isle, LA Ms. Dupuis provided CAD services by designing one-line piping diagrams to show the chemical feed systems at the East Grand Isle and Cheniere sites. The one-line piping diagrams consist of showing how the chemicals from the ammonia room flow through the pipes and how they travel to specific designated areas where needed. The diagram also includes an equipment list that is required for each individual site.

Hope Haven Main Building, Marrero, LA Ms. Dupuis is providing CAD services by preparing restoration plans for Hope Haven. The project includes the breakdown of damaged material that is identified in floor plans of building and suggested routes of construction walkway. Photos have been included in plans to show physical damage done to the structure. Roof plans are also incorporated in blueprints with documentation of damage and photos as well. The shoring layouts have also been designed to show locations, dimensions, and material need for restoration after debris and damage has been removed.

HANO On Call AE Services for Agency Wide Housing Communities and Scattered Sites, New Orleans, LA Ms. Dupuis provides CAD services to design changes to the interior of Guste III Community, Lafitte Senior Housing, and Fisher Senior Housing to apply modernization and redevelopment of multi-family housing units in New Orleans. She has designed site plans, floor plans, and detailed views to describe and callout changes being applied to units. Data tables are created to show scope of work for units that show the work item description, quantity, and reference notes/reports. Detailed views offer layouts of changes being done to kitchen and bathroom and consist of appliance callouts, dimensioning, and notes that describe and offer information of changes needed to be done per unit.

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>Jefferson Parish Public Works Warehouse Facility, Jefferson Parish, LA 1221 Elmwood Park Blvd., Jefferson, LA 70123</p>  	<p>ECM provided A-E design services as well as construction administration and resident inspection services for the new Public Works warehouse complex for the West Bank of Jefferson Parish. This \$5 million, 50,000 square foot facility is located in Westwego, LA and provides storage for all public works systems for the west bank of Jefferson Parish. The facility incorporates an independent racking system designed to store items from 30-foot-long street pole lights to nuts and bolts.</p> <p>The facility includes a 3,400 square foot conditioned administration, parts distribution and maintenance area as well as a covered loading dock area utilizing both drive-up and recessed docks. The structure is a pre-engineered metal building system designed to meet current wind-load requirements for the geographical location. There is pile-supported slab-on-grade designed for 350 lbs./square foot loading. The facility was also designed to provide temporary shelter for emergency personnel by incorporating into the design kitchen and shower facilities. The exterior façade has a mixture of pre-finished metal wall panel and brick veneer to blend with the surrounding structures as well as provide durability. There is on-site fuel dispensing for Parish vehicles, as well as an exterior fenced-in laydown storage area and on-site storm water retention.</p> <p>A-E services included initial scoping with Parish officials and building users; cost analysis and estimating for budget purposes; design, preparation of construction documents, construction administration and resident inspection services with full time inspector on site.</p> <p>The work included: Pile supported foundation, Grade beams, Concrete slab, Prefabricated metal building, Metal siding and roofing, Brick fascia, Inside climate-controlled office area and Storage racks</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px;"> <p>Key Personnel Ujjal DasGupta, P.E. Kazem Alikhani, P.E. Guy Williams, RA, NCARB Neil Logan, P.E. Christopher Capretto, P.E. Marvin May Mansoor Bajwa, EI</p> </div>	
Completion Date: (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	\$5 million	\$4.7 million

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Hope Haven Complex Building, Marrero, LA</p> <p>Jefferson Parish 1221 Elmwood Park Blvd., Jefferson, LA 70123 504-736-6833</p>  	<p>ECM was engaged by Jefferson Parish in Louisiana to perform investigative services to determine the viability and the effort to repair a 3-story historic building that has been abandoned for many years. The roof of the building is in deteriorated condition with many holes causing water to enter the building frequently. This has cause many of the wood members in the building to lose their structural integrity and become hazardous. Also, the age of this structure will require abatement of many of the items and materials to be properly abated. ECM performed numerous tests and investigations to determine the existing conditions, and the process needed to revive the building for future use.</p> <p>It was decided to perform the rehabilitation process in two (2) phases. The first phase will include demolition of all walls and flooring to expose the timber members to inspection. The roof will be tarped and covered to prevent any precipitation from entering the building and shoring will be placed throughout the building where the existing members are visibly found to be deteriorated. Phase 2 will include testing of all structural members to determine their viability and replacing any members including main columns and beams and all flooring and ceiling joists. The roof system will be completely replaced with a new system to match the existing.</p> <p>The project is currently in the construction process of Phase 1 work.</p> 	
Completion Date: (Actual or Estimated):	Estimated Cost:	
2025 (E)	Entire Project: \$12 Million	Work for which Firm was Responsible: \$250K

PROJECT NO. 3**Project Name, Location and Owner's contact information:**

**Hurricane Katrina Damage
Repairs/Renovations at Joe Brown
Memorial Park
New Orleans, LA**

**City of New Orleans – Department
of Capital Projects
1300 Perdido Street
New Orleans, LA 70112**

**Nature of Firm's Responsibility:**

ECM provided Architectural and Engineering Services for repairs and renovations to facilities at Joe Brown Memorial Park. ECM was responsible for: producing a report for FEMA outlining all damages and anticipated costs to repair; and architectural and engineering design services for repairs to all buildings, play areas, tennis courts, baseball fields, sports lighting, pathway lighting, electrical vault upgrades, and associated facilities.

The park includes 3 baseball fields, 10 tennis courts, a tennis concession building, two children's play areas, two shelters, one gymnasium, a coaching concession building, three baseball fields, and a new maintenance building. Associated with these facilities are parking areas, a bike/walking path, and green areas. Scope of work included:

- New Maintenance Building which included metal building with metal roof and siding. Building was designed to be 3' above grade to meet new BFE. Foundation was timber piles and concrete grade beams and slab. This also included a ramp for access to the building and parking lot. Building included facilities such as clean and paint garage, facility overhead doors, and required electrical and mechanical items including fuel tank and pumps.
- Tennis Court Concession Building work included repair asphalt shingle roof; clean, repair, replace all interior and exterior finishes; replace electrical systems and condenser; and replace plumbing.
- Shelters # 1 and #2 included repair and paint of all surfaces, replace electrical systems, bathroom renovations, and repair roof.
- Tennis Court & Baseball Fields: repair/replace fence and lighting
- Coaching Concession Building work included gut interior, remove all finishes, replace all finishes and repaint all walls, replace doors and hardware, and replace water heater.
- Picnic Area: repair bike trails and replace picnic tables and park benches
- Electrical Vaults # 1, #2, #6, & #7: replace entire electrical system and paint building
- Coldmill and repave all asphalt roadway within park.
- Replace damaged sewer and water lines in the entire park

Key Personnel
Ujjal DasGupta, P.E.
Guy Williams, RA, NCARB
Sada Pethe, B.Arch.
Neil Logan, P.E.
Marvin May

Completion Date: (Actual or Estimated):

2013 (A)

Estimated Cost:**Entire Project:**

\$6.4 million

Work for which Firm was Responsible:

\$6.4 million

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Esplanade Avenue Wharf, Governor Nicholls Wharf, and Nashville Shed "A" (Phase I and Phase II) New Orleans, LA</p> <p>Port of New Orleans 1350 Port of New Orleans PI New Orleans, LA 70160</p>   	<p>ECM provided architectural and engineering services for replacement of the roof and associated work for Nashville Avenue wharf shed in two phases. Scope of work for both the phases included a study, structural analysis, project management, design, preparation of PS&E, construction administration and resident inspection services.</p> <p>After a comprehensive study and structural analysis of the roof structure, it was determined that it needed to be upgraded to meet the current ASCE 07 wind loading requirement of 135 mph. The existing 300' span steel roof truss system was originally designed for a wind load of 90 mph. The shed structure was analyzed using STAAD III, structural software, creating a 3-D model of the entire shed and applying load combinations as per code including ASCE07 wind loading requirements. Analysis indicated that substantial strengthening of many members of the steel trusses and the columns was necessary due to potential failure of the structure at a higher wind load of 135 mph. This was achieved by welding additional steel shapes to the various truss members and columns.</p> <p>The contract document was prepared requiring the facility to stay open 24/7 during construction. A detailed phasing plan was prepared in consultation with the facility tenant and Port staff to facilitate construction without interrupting terminal operations.</p> <p>Work for the Nashville Ave Wharf Shed "A" (Phase 1) included demolition and removal of approximately 240,000 S.F. of the existing 792,000 S.F. built-up roof system on wood deck, and installation of new symmetrical "T" standing seam metal roof which was designed as replacement roof. Work also included welding steel shapes to various truss members.</p> <p>Work for the Nashville Ave Wharf Shed 'A' (Phase 2) included demolition of 436,000 S.F. of existing built-up roofing system on wood deck and replacing it with a new symmetrical "T" standing seam metal roof system and welding of steel shapes to truss members and steel columns. This project was completed within budget and five months ahead of schedule.</p>	
Completion Date: (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013 (A)	\$8.7 million	\$ 8.7 million

Key Personnel

Ujjal DasGupta, P.E.
 Guy Williams, RA, NCARB
 Neil Logan, P.E.
 Marvin May
 Warren Fiegel

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Data Center at Annex Administrative Building, New Orleans, LA Jefferson Parish Public School System, 4600 River Road, Marrero, LA 70072</p>  	<p>ECM provided A-E design services for this Data Center to a Tier 4 design criteria within the existing Administration Annex Building of the Jefferson Parish Public School System. This structure was designed to withstand 200 mph sustained wind loads. This substantial wind-loading criteria was obtained by designing an enhanced steel post-and-beam system with a separate anchoring system at each of the exterior metal studs. A 22-gage standing-seam roofing system was incorporated to provide a water-tight envelope even though the data center was built inside the existing structure. The Data Center includes in-row telecommunication and computer storage systems, integrated cooling systems, high-tech security systems including double redundancy of the mechanical cooling and power systems. This redundancy was accomplished utilizing two separate 950 KW emergency power generators that provided complete uninterrupted service. An exterior 15,000-gallon diesel fuel tank system was provided to allow the Data Center to operate for extended periods of time with the power grid down. The Fuel System each has 2–300-gallon day tanks.</p> <p>ECM worked with the client to help develop the scope for the data system as well as facilitate input from the industries top data system suppliers and manufacturers to provide the best system available for the Owner's needs.</p> <p>The building design included a 1200 sq. ft. building located inside the existing building on the 3rd floor with cement capped raised floor, steel double door with a minimum 6' x 8' clearance. The Data Center facility included site work for access and pile supported foundation for the fuel tank, hurricane resistant wall and roof systems, redundant generators, uninterrupted power supplies, electrical and mechanical cooling systems with an N+1 redundancy for continual operation.</p>	
Completion Date: (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 (A)	\$3.7 Million	\$3.7 Million

Key Personnel
 Ujjal DasGupta, P.E.
 Guy Williams, RA, NCARB
 Marvin May

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>On Call A-E Services for the Revitalization and Modernization of HANO Properties. Task Order 1 and 2, New Orleans, LA</p> <p>Housing Authority of New Orleans (HANO)</p>   	<p><u>Task Order 1 – Iberville Housing Development</u> ECM provided architectural, engineering and contract administration services including construction inspection services for three concurrent projects at Iberville Development Community in Downtown New Orleans. Scope of work included designs and preparation of construction Documents and Construction Administration services to the upgrade and repairs to 642 units at the Iberville Development.</p> <p>Three separate contract documents were prepared for the following three projects:</p> <ul style="list-style-type: none"> • \$2 Million Site improvements which included removal and replacement of damaged sidewalks and drives; new dumpster pads; repairs and upgrades to play areas; site grading etc. • \$2 Million repairs to vacant units to include plumbing system, kitchen upgrades, repair flooring and walls and painting. • \$4 Million repairs and upgrades to occupied units. This project was divided into eight phases to avoid inconvenience and to minimize disruption to the current residents. Repairs and upgrades included upgrades to plumbing system; replacement of kitchen cabinets and sinks; repair and painting of walls and replacement of damaged floors; and centralization and standardization of the hardware system for the entire project. <p><u>Task Order 2 – Guste High Rise</u> ECM provided architectural, engineering and contract administration services in support of HANO's initiatives for the modernization and redevelopment of housing units and support facilities in New Orleans. Task Order No. 2 entailed interior and exterior repairs at Guste High Rise.</p> <p>Exterior repairs included installation of durable gauge gutters and downspout with gutter cover, replace roof, doors, sealing exterior, and painting exterior surface for weather proofing. Interior repairs included ceiling floors, wall painting, replacements of light fixtures/blubs with energy efficient fixtures/blubs. Install new kitchen cabinets and counter tops. Install new swing closet doors in all units. Install smoke detectors with battery backup. Install VCT flooring in hallways and units and replace elevators. Mechanical system modifications for the project, included replacement of hot water heating boilers, replacement of domestic hot water temperature controls, addition of HVAC units for computer rooms, and various other modifications to chilled water and condenser water piping, and valve replacements in the domestic hot water system. Interior repairs project also included new generator to provide power to first floor common area during power outage.</p> <p>The objective of the project is to bring Guste High Rise up to physical standards comparable with the conditions of the surrounding neighborhood and market-quality rental housing. In addition to architectural, structural, mechanical, and electrical engineering design, work also include conducting meetings with residents and community members, cost estimating, budget monitoring, and construction administration and resident inspection throughout the duration of the project.</p>	
Completion Date: (Actual or Estimated): 2011 (A)	Estimated Cost:	
	Entire Project: \$14 Million	Work for which Firm was Responsible: \$14 Million

Key Personnel



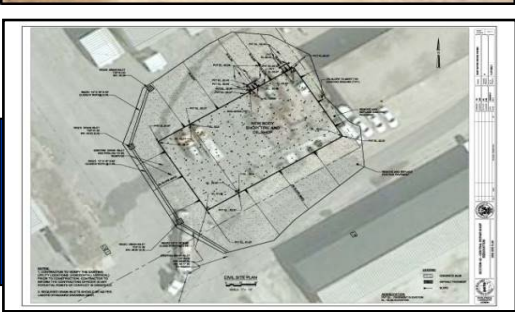
Ujjal DasGupta, P.E.
Guy Williams, RA, NCARB
Marvin May
Emilio Rodriguez

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Hurricane Katrina Damage Repairs and Demolition at New Orleans Lakefront Airport New Orleans, LA</p> <p>Orleans Levee District 6920 Franklin Avenue New Orleans, LA 70122</p>   	<p>The project consisted of A-E design services for building demolitions, repairs to several sewer lift stations, drainage repairs and renovation to Hangar Building 101. Scope of Work included field surveys and investigations for damage assessments; review FEMA PWs and prepare reassessment cost estimates; obtain approval for FEMA for reassessed cost; improved project cost documentation for FEMA approval, architectural and engineering designs; preparation of plans, specifications and estimates (PS&E), construction administration, and resident inspection services.</p> <p>This contract included three projects:</p> <ol style="list-style-type: none"> 1. A/E Services for demolition of Maintenance Facility, Chevron Office Building, and Naval Facility. During FEMA PW reassessment ECM found that the Naval Facility was slated to be repaired at a cost of \$870,000. However, after field visit it was determined by ECM that this building was structurally unsafe and is beyond repairs. ECM estimated new building construction cost as \$11.4 Million which was approved by FEMA after many meetings and discussions. 2. Repairs of engineering design for seven Lift Stations, Fuel Farm Containment Dike and Southwest Area drainage and Washrack Repairs. 3. Repairs of the Hangar 101 which included bidding project in three different phases. <p>Phase I– Repair of exterior including windows and doors. Phase II—Gutting interior and building a white box. Phase III-Repairs, Upgrades and Build-Out of Hangar according to tenants' requirements.</p> <p>The separation of this project in 3 phases allowed the owner to address all needs and be able to ascertain that approved FEMA funding would be sufficient to undertake the project. ECM provided a complete set of construction drawings for each phase and provided construction administration services.</p> <div data-bbox="1153 1591 1550 1753" style="background-color: #0056b3; color: white; padding: 10px;"> <p>Key Personnel Ujjal DasGupta, P.E. Guy Williams, RA, NCARB Marvin May</p> </div>	
Completion Date: (Actual or Estimated): 2012 (A)	Estimated Cost:	
	Entire Project: \$5.8 Million	Work for which Firm was Responsible: \$5.8 Million

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>A-E Services for Renovations at Various Schools Jefferson Parish, LA</p> <p>Jefferson Parish School Board 501 Manhattan Blvd. Harvey, LA 70058</p>   	<p>ECM has provided A-E services for multiple renovation projects at Jefferson Parish Public Schools including Architectural, Civil, Structural, Mechanical, Electrical and construction administration services. Total construction cost for all projects was over \$10 million and CIP funded. Major projects have included roof replacement, exterior weather proofing, interior renovations, HVAC, Fire Alarm and intercom system, etc. at various schools.</p> <p>ECM provided services for a new kindergarten classroom building at Phoebe Hearst School that included covered walkways, pile foundation, concrete beams and slabs, steel frame, metal roof, concrete block with brick fascia exterior walls, metal stud interior walls with gypsum board, carpet, painting, ceiling, HVAC, plumbing and electrical.</p> <p>Multiple renovation projects at Riverdale Middle and High schools have included: replacing windows in 6th and 7th grade buildings; replacing basketball goals in gymnasium and auditorium; replacing asbestos containing ceiling tile in main building; and renovating cafeteria building, Library and conference room. ECM has provided services for design of renovations and conversion of existing cafeteria into a media center.</p> <p>ECM also provided engineering services for replacement of lighting in all 38 East Bank schools with an energy efficient lighting system which resulted in substantial cost savings for Jefferson Parish School Board.</p> <p>The following is the list of schools which included roof replacement, exterior weather proofing and/or new HVAC system:</p> <ul style="list-style-type: none"> • Bonnabel High School • J.D. Meisler Middle School • Estelle Elementary School • Phoebe Hearst Elementary School • John Q. Adams Middle school <div style="border: 1px solid black; background-color: #003366; color: white; padding: 5px; margin-top: 10px;"> <p>Key Personnel Ujjal DasGupta, P.E. Guy Williams, RA, NCARB Sada Pethe, B.Arch. Marvin May</p> </div>	
Completion Date: (Actual or Estimated): 2011 (A)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$10 Million	\$10 Million

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>LADOTD Retainer Contracts for Civil and Structural Design Services Statewide, Louisiana</p> <p>LADOTD P.O. Box 94245 Baton Rouge, LA 70604</p>	<p><u>Franklinton Maintenance Building</u></p> <p>ECM provided civil and structural engineering design services for the construction of a new 1,400 SF single-story maintenance building in Washington Parish, as part of a retainer contract with LADOTD. ECM was primarily responsible for site plan, building structure, foundation and slab design for this facility. The structure was designed to resist wind loads corresponding to 130mph wind load. Design was performed in accordance with DOTD Architectural Procedures Manual 2007 edition and International Building Code 2009 edition. In addition to design services, ECM provided coordination for survey and geotechnical design as well as construction engineering and oversight during the installation of foundation and the pre-engineered metal building.</p>					
	<p><u>Central Repair Shop Renovations</u></p> <p>ECM Consultants, Inc. provided structural and civil engineering design services for a new 10,000 SF single-story metal building in East Baton Rouge Parish. As structural designer, ECM was responsible for foundation and slab design for the building. As civil designer, ECM provided site development design for the pavement, drainage design, and utility relocation. ECM was also responsible for providing surveying and geotechnical engineering services through coordination with the sub-consultants. ECM will also be providing construction engineering and oversight during the installation of foundation and site development.</p>					
	<p><u>ADA Compliant Bathroom Facilities at Districts 03, 05, and 07</u></p> <p>ECM Consultants, Inc. is providing structural and civil engineering design services for addition of three ADA compliant bathroom facilities at District Material Laboratories in Lafayette, Monroe, and Lake Charles. As civil and structural designer, ECM will be responsible for foundation and slab design for the buildings as well as the required site development design. ECM will also be responsible for providing surveying and geotechnical engineering services through sub-consultants and construction engineering and oversight during the installation of foundation and site development.</p>					
						
<p>Completion Date: (Actual or Estimated):</p> <p>2016(A)</p>	<p>Estimated Cost:</p> <table border="1"> <thead> <tr> <th data-bbox="609 1774 1068 1843">Entire Project:</th> <th data-bbox="1068 1774 1550 1843">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td data-bbox="609 1843 1068 1873">N/A</td> <td data-bbox="1068 1843 1550 1873">NA</td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	N/A	NA
Entire Project:	Work for which Firm was Responsible:					
N/A	NA					

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Demobilization of 4 Temporary Ascension Parish Public Schools, Ascension Parish, LA</p> <p>Ascension Public Schools 1100 Webster Street Donaldsonville, LA 70346 225-257-2000</p>   	<p>ECM provided complete architectural services to demobilize temporary campuses and restore the site infrastructure to pre-flood conditions that resulted in the August 2016 flood.</p> <p>The following was performed at 4 temporary locations:</p> <ul style="list-style-type: none"> • St. Amant High School, St. Amant, LA <ul style="list-style-type: none"> ○ Removed 68,920 sf of building ○ 11 building pods ○ 16,652 sf of walkways ○ Associated site work and infrastructure • Galvez Middle School, Prairieville, LA <ul style="list-style-type: none"> ○ Removed 38,338 sf of building ○ 8 building pods ○ 13,167 sf of walkways ○ Associated site work and infrastructure ○ • Lake Elementary School, St. Amant, LA <ul style="list-style-type: none"> ○ Removed 71,011 sf of buildings ○ 13 building pods ○ 25,137 sf of walkways <p>Design services included Program Completion, Schematic Design, Design Development, Construction Documents, Bidding, and Construction Administration. ECM also coordinated with engineering, landscape architects and interior designers during the project duration.</p> <div data-bbox="1170 1262 1550 1472" style="background-color: #003366; color: white; padding: 10px;"> <p>Key Personnel Kazem Alikhani, P.E. Guy Williams, RA, NCARB Chris Capretto, P.E. Marvin May</p> </div>	
Completion Date: (Actual or Estimated): 2018 (A)	Estimated Cost:	
	Entire Project: \$750,000	Work for which Firm was Responsible: \$750,000

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary NONE		
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 legal proceedings with Jefferson Parish.

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

- TEAM PROFILE & MINIMUM REQUIREMENTS
- EVALUATION CRITERIA
 1. Professional Training & Experience
 2. Size of Firm
 3. Capacity for Timely Completion of Work
 4. Past Performance
 5. Location of Principal Office
 6. Adversarial Legal Proceedings with Parish
 7. Prior Successful Completion of Projects
- QUALITY CONTROL PLAN
- CONCLUSION

- USDA, National Finance Center
- U.S. Customs Service, Indianapolis, IN
- City of Kenner Dept. of Public Works
- U.S. HUD, Fort Worth, TX
- U.S. Navy, NAS, Joint Reserve Base, New Orleans

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.**

ECM will serve as the Prime consultant on this contract with the following specialty firm as sub-consultant:

IMC Consulting Engineers, Inc. (IMC) is a mechanical and electrical design firm headquartered in Metairie, LA. IMC provides engineering design and prepare PS&E for MEP commercial, municipal and institutional buildings and facilities as well as infrastructure projects.

Team Profile & Minimum Requirements

ECM Consultants, Inc. is a local, minority engineering, architectural, construction management firm headquartered in Metairie, LA with branch offices in Baton Rouge and Lafayette. ECM was incorporated under the laws of the State of Louisiana on August 31, 1995 and holds current licenses in Engineering (No. 2003), Architectural/ Engineering (No. 0173), and Construction Management (No. 31739). Over the last 29 years, ECM has provided professional services on over 900 projects for clients including:

- Jefferson Parish Department of Public Works
- Div. of Administration, Ofc. of Facility Planning & Control
- Jefferson Parish Public Schools
- Jefferson Parish Juvenile Justice Agency
- Jefferson Parish Dept. of Community Development
- Housing Authority of New Orleans (HANO)
- City of New Orleans Dept. of Public Works,
- Louisiana Dept. of Transportation & Development
- Orleans Parish School Board
- Ascension Parish School Board
- Sewerage & Water Board of New Orleans
- Port of New Orleans
- New Orleans Aviation Board
- Southeast Louisiana Flood Protection Authority
- City of Baton Rouge Dept. of Public Works
- Dept. of Army and Air Force, national Guard Bureau
- Non-Flood Protection Asset Management Authority
- USACE New Orleans, Mobile, Charleston and Louisville Districts; Hurricane Protection Office
- USDA, Natural Resources Conservation Service

Minimum Requirements	Personnel Meeting Requirement
1. The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered architect or a professional engineer in the State of Louisiana.	Ujjal DasGupta, P.E. President LA License No. 19849 53 years' experience Kazem Alikhani, P.E. Chief Executive Officer LA License No. 25073 44 years' experience
2. The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered architect or professional engineer in the State of Louisiana with a minimum of five (5) years' experience.	Guy Williams, RA, NCARB 38 years' experience LA Licensed Architect, No. 3907 Professional in-charge of the Project

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

3. The persons or firms under consideration shall have one (1) employee who is a licensed, registered architect or professional engineer in the State of Louisiana in the applicable discipline involved. A subcontractor may meet this requirement only if the advertised Project involves more than one discipline.

Guy Williams, RA, NCARB
LA Licensed Architect,
No. 3907

Sunina Shrestha, P.E.
LA Licensed Civil Engineer
No. 37901

Sudhir Mehta, P.E.
LA Licensed Civil/Structural
Engineer
No. 18950

experienced in new construction and renovation/repair projects including aviation, military, educational, government, and commercial facilities.

Sudhir Mehta, P.E., Structural Engineering: Mr. Mehta has 48 years of experience in the design, analysis and construction of major hydraulic structures such as pumping stations, floodwalls, floodgates and other flood control structures in multiple USACE districts, states and municipalities.

Neil Logan, P.E., Structural Engineer. He has a B.S. degree in Civil Engineering and is a registered Professional Engineer in Louisiana. His 59 years of experience include structural design of commercial buildings, warehouses, pump houses and maintenance facilities.

Sunina Shrestha, P.E., will serve as **Civil Engineer**. She has a M.S. degree in Civil Engineering and more than 15 years of experience. As a registered Professional Engineer in Louisiana, her experience includes engineering design and preparation of plans, specifications and estimates for building site layout plans, roadways, utilities, including sewer lift stations.

Evaluation Criteria

1. PROFESSIONAL TRAINING AND EXPERIENCE

Experience of Key Professionals

Ujjal DasGupta, P.E., Principal in Charge: Mr. DasGupta 53 years of experience. He has a B.S. degree in Civil Engineering and more than 50 years of experience in project management, civil and structural engineering design, construction management, and construction quality assurance services. He has been responsible for engineering design and construction management services for over a billion dollars of projects for various local, state and federal agencies. Mr. DasGupta is a Louisiana registered Professional Engineer.

Kazem Alikhani, P.E., Contract Manager/ POC: 44 years of experience managing public works projects including planning, design, and construction management. As CEO of ECM, Mr. Alikhani serves as Project Manager for a variety of infrastructure projects, overseeing staff, budgets, timeline and working with owners, consulting firms and subconsultants to ensure timely and accurate project delivery. He spent the majority of his career working with the Jefferson Parish Department of Public Works, responsible for all public works functions and overseeing and managing departments of drainage, sewerage, water, streets, parkways, environmental, floodplain management, hazard mitigation, engineering and capital projects. He is managing engineering and construction of capital project improvements. He has planned, designed, managed numerous projects from inspection to completion including preparation of bids, evaluations, awards, and managed complex projects during construction.

Guy Williams, RA, NCARB, LEED, Lead Architect.. He will serve as the **Professional in charge of the project**. He has a B.A. degree in Architecture and is registered in the State of Louisiana, with over **38 years of experience** in architectural design, preparation of construction documents, and construction management for public and private sector projects. Mr. Williams is

2. SIZE OF FIRM

ECM has **72** qualified professional engineers and support staff to work on this project to provide high quality professional services. ECM has sixteen civil engineers, two structural engineers, four project managers, two engineering interns, two mechanical engineers, one grant specialist, one architect, thirty-two construction inspectors, three CAD technicians, and eight administrative and support staff.

ECM understands the requirements of successfully managing and executing contracts. Projects under this contract will be staffed by personnel with the technical expertise, resources, and capacity to effectively fill the needs of the project. Our efficient approach to scheduling our work allows ECM personnel to provide all required man-hours for each of our ongoing projects.

3. CAPACITY FOR TIMELY COMPLETION OF WORK

ECM has successfully completed many projects for Jefferson Parish and various federal and state government agencies and has received "**Exceptional**" performance ratings relative to controlling costs, quality of work, and maintaining the contract's schedule. We take pride in completing projects on-schedule and within budget, and as a result we have been rewarded with repeat contracts. Below are examples of projects completed within budget and on time:

- **Contract No. W912P80-07-D-0031 for the U.S. Army Corps of Engineers- HPO:** ECM was the managing J/V

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

partner. A total of 97 Task Orders were issued, 90 percent of which received "Exceptional" ratings and the remaining 10 percent received "Very Good" ratings.

- **Storm Proofing Jefferson Parish Pump Stations, Jefferson Parish, LA. USACE -HPO/NOD ECM-GEC JV IDIQ Contract No. W912WP8-07- D0031, Task Orders:** multiple task orders with similar project scopes, JV DUNS No. 62-1641435. ECM served as contract Manager. Overall CPARS rating: "Very good" in all rating categories. Rating Official Remark. "The A/E was very effective and displayed good technical skills in designing the storm proofing measures for the pump stations."
- **West Shore Lake Pontchartrain Flood Risk Reduction Project, Segments WSLP 102 and WSLP 106, USACE New Orleans District Contract No. W912 P8-16-D- 0005, TO. 11.** ECM received "Exceptional" performance rating
- **Contract No. W912P80-07-D-0067; U.S. Army Corps of Engineers, New Orleans District:** ECM was the managing J/V partner. A total of 275 task orders were issued and we received "Exceptional" rating for all task orders.
- **Contracts No. C-FTW-00366 and 00411; U.S. HUD, Atlanta Contracting Operations, Fort Worth Texas:** 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"

4. PAST PERFORMANCE ON SIMILAR PROJECTS

ECM has been working for Jefferson Parish for over two decades on a variety of different types of project such as buildings, water, drainage, sewer, roadway and bridges. We have performed services in multiple capacities from design, construction management, inspection to support services for other disciplines such as coastal. Our 29 year history with the Parish speaks for itself on our past performance.

- **Jefferson Parish Public Works Warehouse Facility,** Jefferson Parish, Mark Drewes, P.E. (504) 736-6505
- **Data Center Annex Administrative Buiding** JPPSS, Charles Ochello, Marrero, (504) 235-7090
- **Joe Brown Park Facilities** Vincent Smith, City of New Orleans Capital Projects, (504) 658-8666

- **Nashville Avenue Wharf Shed "A" Rehab at Port of New Orleans;** Port of New Orleans, Anthony Evett, PE, (504) 528-3301

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 by the prime consultant will be performed from this office. Services by our subconsultant such as Mechanical and Electrical Engineering services will be performed from Metairie, LA.

6. ADVERSARIAL LEGAL PROCEEDINGS BETWEEN THE PARISH AND FIRM

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 received "Exceptional" performance ratings from various USACE Districts, an "Outstanding" performance rating from U.S. HUD, and "Letters of Commendation" from the U.S. Customs Service, USDA, U.S. HUD, U.S. Army Corps of Engineers-NOD, and various other local government agencies such as Jefferson Parish, City of New Orleans-DPW, Calcasieu Parish Policy Jury, and many more. **Below are references from some of our related projects:**

- **ARFF Building**
George Groh, Project Manager, Louis Armstrong International Airport, (504) 464-0831
- **Storm Proofing Jefferson Parish Pump Station and Replacement of West Bank Mississippi River Levee, Empire to Buras (NOV 16) Phase II:**
Dan Bradley, P.E., USACE New Orleans, 504-862-2201
- **Interior Renovations & Site Improvements at Iberville Housing Development,** New Orleans, Louisiana, HANO, Lois Watson, 504-529-1592
- **State Emergency Warehouse for GOHSEP at Camp Villere,** Slidell, Louisiana; Kevin Middleton, P.E., Louisiana Office of Facility Planning and Control, (504) 723-5635
- **Interior Repairs at Lafitte Senior, Guste III and Fisher Senior Housing Communities,** New Orleans, Louisiana, Peter Do, HANO, 505-512-3259

QUALITY CONTROL PLAN

ECM Consultants, Inc. has an excellent quality control program. During the design phase the project manager is

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

responsible for establishing design criteria in consultation with the owner. Before the start of a project, the project manager will meet with all staff (project engineers, junior engineers, and the CAD operator) to communicate the project scope, design criteria, drafting standards, coordination requirements with various disciplines, completion schedules for various phases, and, most importantly, the project goal and Owner's expectation of high-quality professional work. The project manager is responsible for coordination with the owner and project engineers. All of our staff members are conscientious, thorough and understand the importance of preparing construction documents with a standard of care exceeding the industry standard. The criticality of following design procedures is consistently emphasized, and all drafting is thoroughly checked by the design engineers.

Routine progress meetings are held to determine progress, coordination, and resolution of challenges associated with the project. The project engineer checks design computations and drawings at every stage for quality assurance.

CONCLUSION

ECM Consultants, Inc. exceeds the required qualifications, experience, and resources to perform routine architectural and engineering projects in Jefferson Parish. We are poised for immediate assignment and look forward to providing excellent professional services. We hope to receive favorable consideration.



Jefferson Parish Public Works Facility that ECM provided A-E design services, construction administration, & resident Inspection services for in 2019.



Nashville Shed "A" that ECM provided A-E services for in 2019, to determine what upgrades would be need to bring the space up to ASCE 07 wind loading requirements of 135MPH.

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

Signature: 

Title: Chief Executive Officer (CEO)

Print Name: Kazem Alikhani, P.E.

Date: 12/19/2024

Section 2

IMC Consulting Engineers, Inc.

TEC Professional Services Questionnaire

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

B. Firm Name & Address:

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:

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.

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

___ Administrative	___ Estimators	___ Specification Writers
___ Architects (Licensed)	___ Geologists	___ Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
___ Civil Engineers	___ Interior Designers	___ Project Managers
___ Construction Inspectors	___ Landscape Architects	___ Clerical
___ Ecologists	___ Land Surveyor	___ Grant/Funding Specialist
___ Electrical Engineers	___ Mechanical Engineers	___ Sanitary Engineers
___ Engineer Intern	___ Environmental Engineers	
___ Professional Land Surveyors	4 CAD Technicians	___ TOTAL

*All of our Engineers are Specification Writers.

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

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

TEC Professional Services Questionnaire

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

1.

2.

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

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

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Project Assignment:

Name of Firm with which associated:

Years' experience with this Firm:

Education: Degree(s)/Year/Specialization:

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:

Paul S. Vlosich, P.E.

Principal and Director of Municipal and Industrial Projects / Electrical Engineer

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Jefferson Parish Department of General Services - Yenni Building Conversion to EOC

Designed and specified electrical systems associated with the conversion of the 10-story office building to an Emergency Operations Center for Jefferson Parish. Electrical design consisted of full standby generator power for the building, which was accomplished via paralleled 1000 kW diesel generators sets mounted on an elevated exterior platform. Electrical design also included new paralleling switchgear, new electrical service and main distribution equipment, bus duct connecting existing and new distribution equipment, lighting, and tie-in to existing fire alarm system. Generator housings were specified to withstand hurricane force winds. Space was provided on the platform and in the switchgear to incorporate a third, future generator for redundancy.

Jefferson Parish Dept. of General Services - Yenni Building Porte Cochere's

Designed and specified electrical systems associated with the addition of a Porte Cochere to the North entrance of the Yenni building. Design included power, lighting, CCTV, and fire alarm.

Jefferson Parish Department of General Services - New Standby Generator for First Parish Court

Designed, specified and administered the construction of a new 500 kW natural gas generator set to provide standby power to the First Parish Court Building. Paul acted as the Project Manager; IMC was the Prime Consultant.

Plaquemines Parish Sheriff's Office Administration Building

Designed, specified, and administered the electrical construction for the renovation of the Second Floor of an existing bank to serve as administration space for the Plaquemines Parish Sheriff's Office. Design included all power, lighting, communication, fire alarm, and security systems. Security system design included a security management system with integrated surveillance cameras and access controls. Camera images can be viewed remotely via an internet-based connection.

Plaquemines Parish Sheriff's Office - Firing Range Training Facility

Project consisted of a new multi-story business occupancy with a large classroom for instruction, restrooms, showers, offices, a simulator room, and an armory to support the adjacent firing range. In addition to the typical mechanical, plumbing, and electrical systems, design included elevated equipment and services 16+ feet above grade, a fire pump, and provisions for connection of a roll-up generator. Lighting design was based on all-LED fixtures; interior lighting controls included fixture control based on occupancy.

LADOTD - Crescent City Connection Division - Administration Building Expansion

Designed and specified electrical systems associated with the expansion of the Administration Building. Design included lighting, power distribution, fire alarm system, closed circuit television system, and access control system.

LADOTD - Michoud Maintenance Facility Renovations

Designed and specified electrical systems associated with the renovation of and repairs to the DOTD Maintenance Office building and warehouse in New Orleans. Electrical design included power, lighting, and fire alarm systems.

Nunez Community College - New Administration Building

FEMA funded project for the construction of a new administration building. Designed and specified power, interior and exterior lighting, and special systems for a new administration building. Power design included provisions for connecting a roll-up generator.

Assumption Parish – Water District No. 2 – New Administration Building

Oversaw the design of the electrical power, lighting, communication, audio/visual, security, and fire alarm systems for this new 7,000 sq-ft administration building and acted as the Professional of Record for those systems. Design included full standby power for the building from existing generators and distribution equipment on site. Design for the board room within the building included an IP-based audio-visual system.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

Richard Nichols, P.E.
Principal / Quality Assurance

Other Experience and Qualifications Relevant to the Proposed Project (continued)

East Bank Regional Library

Provided electrical design for the new construction of a 4,408 sq-ft maintenance building built adjacent to the existing library. Also created the design for the addition of two exterior 750-kW natural gas generators to provide non-emergency backup power for the entire library complex

River Ridge Library

This project involved a 10,000 sq-ft new library. The electrical design included lighting, power, fire alarm, communications and site lighting. A natural gas generator was designed to provide emergency back-up power for the entire library.

Jefferson Parish Fire Station #18

This project entailed an 8,500 square foot, \$2.4 million full service fire station with living quarters, commercial kitchen and apparatus bay. The electrical design included lighting, site lighting, power, emergency generator, raceway for communications and CATV. The project included all LED lighting for the fire station along with lighting controls to save energy.

Veterans Blvd Decorative Lighting (Bonnabel Canal to Orleans Parish Line)

For this project, we replaced the existing metal halide fixtures and poles with new LED fixtures on new decorative poles from the Bonnabel Canal to the Orleans Parish line. Two new electrical service points were established to power the new lighting poles. All new lighting circuits were routed underground to handholes mounted next to each pole. The existing overhead exposed aerial cables were removed. From each handhole to each pole a breakaway cable assembly was provided to power the fixture on each pole. The breakaway cable assembly is UL listed to disconnect power to the pole in the event that the pole was knocked down. The pole base was supplied with a breakaway pole base. The fixtures were energy efficient LED fixtures that provided better lighting at about 50% of the existing fixture wattage.

Federal City

This facility serves as the Headquarters for the Marine Forces Reserve and Major Subordinate Commands. The project included a four-story office building, a two-story band building, a warehouse building, a visitor center and a guardhouse. The total gross square footage of all the buildings is 411,320 sq-ft. The electrical design included the following: site lighting, perimeter security lighting, indoor lighting systems, lighting controls, power, fire alarm, and emergency generator –life safety and critical. The project was a LEED certified project and the lighting design meets 2004 ASHRAE 90.1 Energy Code.

Louisiana National Guard - Engineering Complex, Jackson Barracks

This design included three buildings: Buildings 401, 402 and 403. Building 401 is an 18,000 square-foot warehouse facility with a small office and 2nd floor work area and showers. Building 402 is a 6,800 square foot vehicle maintenance building. Building 403 is a 15,000 square foot shop building with a storage mezzanine and office area. The electrical design for all three buildings included lighting, power and fire alarm. The design included an emergency generator, a 22 KV to 480-volt pad mounted transformer, and high voltage connection to 22KV electrical infrastructure. All three buildings were fed by this pad-mounted transformer. Finally, most of the electrical equipment in the three buildings was installed either on a raised platform or at the mezzanine level to protect the equipment in the event of future area flooding.

Louisiana National Guard – Covington Readiness Center

This project was a design-build project for a 30,030 square-foot single story Readiness Center. The electrical design included power, lighting, fire alarm, and telephone and data communications. The electrical design also included a 275 KW diesel generator designed to provide back-up power to the facility for 48 hours. The lighting design was an energy efficient design and helped the project attain LEED silver status.

Avondale Library

IMC provided MEP design services for 4,528 sq-ft library. Electrical design includes lighting, power, communication and new electrical service to building. Mechanical design included plumbing design, design for 2 AH units for the facility and a separate mini-split design for the IT room.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Matthew Wender, P.E.

Principal and Mechanical Department Head / Mechanical Engineer

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Jefferson Parish East Bank Regional Library Storage & Emergency Power

Responsible for the Mechanical, Plumbing, and Fire Protection design and construction administration of the 4,500 square-foot maintenance building, emergency power systems, and parish wide building automation system upgrades. Mechanical design included 4-pipe, variable volume vertical fan coil units with underground hydronic tie-ins to the existing facility's utilities. Restroom and workshop dedicated ventilation systems were also provided. Plumbing and sprinkler system design included new systems extended from the main facility with a dedicated sprinkler system riser and back flow preventer. Modifications were made to the existing gas service to provide high-pressure gas at the site as well as gas piping to two new 750KW emergency generators. Finally, design and implementation of the parish library wide Siemens Desigo energy management system migration were provided.

Jefferson Parish West Bank Regional Library

Responsible for the Mechanical, Plumbing, and Fire Protection design and construction administration of the 33,500 square-foot renovation to the existing library as well as a 17,000 square-foot addition. Project design is currently complete but has not yet advertised. The mechanical design encompassed phased wholesale replacement of existing HVAC systems with four-pipe, variable volume equipment. The design included a 160-ton high-efficiency air cooled chilled water plant, a 1400MBH heating hot water plant with condensing boilers, variable speed skid mounted pumping systems, central station chilled water air side equipment, and variable air volume terminal units with hot water reheat. New restroom ventilation systems and a new energy management system to control and monitor the HVAC equipment were also provided. The plumbing and sprinkler system design included complete replacement of existing systems. Hydro-tunneling to facilitate new below slab waste piping was designed to mitigate issues caused by site settlement. Domestic water and vent piping was replaced to accommodate relocated restrooms and reconfigured ceilings. Modifications to the sprinkler system riser and distribution piping were designed to provide and double-check back flow preventer and allow the phased construction. New sprinkler heads were specified for the renovation and addition areas and a new high-pressure gas service was design to support the gas-fired heating hot water boilers and an emergency generator.

Lakeshore Library Equipment Upgrades

Project consists of replacing four direct-expansion vertical indoor air-handling units, outdoor condensing units, and associated ductwork modifications and refrigerant piping. Exterior equipment is relocated to the building roof. Total replacement equipment capacity is 38.5 tons. High-efficiency, variable volume equipment features BACnet integration to building control system and modulating hot gas reheat to provide full humidity control.

Jefferson Parish Library HVAC Control Upgrade

Project consisted of providing a new Direct Digital Control (DDC) System to replace the existing energy management system. The scope of work includes the replacement of existing pneumatic controls with a digital overlay, thereby providing new digital control panels, room sensor/stats, and a new operator workstation. Existing pneumatic actuators will remain with EP relays to interface with the DDC system.

Jefferson Parish Library Special Collections Area HVAC Upgrade and Library Generator

Project consisted of providing new HVAC systems and associated electrical and duct work modifications and structural supports to serve the Special Collections area of the East Bank Library. Additionally, the project consists of providing new, natural gas fueled, standby power-generation equipment and associated distribution equipment modifications, gas piping modifications, and structural supports as required by the equipment and as necessary to provide standby power sized for the new HVAC equipment as well as receptacles and lighting in the Special Collections area. The project also included the disconnection, raising and reconnection of an existing generator unit to minimize the risk of damage during a flood condition.

Jefferson Parish HVAC Upgrades 11 Sites

With funds secured through a State OCD HVAC Block Grant, IMC designed replacement systems and the associated electrical modifications for 11 Jefferson Parish sites' HVAC equipment. IMC provided request for proposal bid document specifications of equipment ranging from 2 to 20 ton capacity which included both packaged & split systems.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

Eugene “Chip” Higbee, III, P.E.
Principal / Quality Assurance

Other Experience and Qualifications Relevant to the Proposed Project (continued)

Jefferson Parish Performance Contract Review

Provided technical review of parish-wide performance contract with Siemens. Tasks included energy savings review, scope of work confirmation and terms and conditions.

East Bank Maintenance Building – Jefferson Parish General Services

Handled Mechanical design of DX split variable air volume cooling systems and plumbing system.

Marrero Wastewater Treatment Facility EOC

Mechanical engineer of record for new administration and emergency operations center for the wastewater treatment plant. The building includes administrative offices, a wastewater lab and storm resistant structure designed to house personnel during major weather events.

Jefferson Parish Head Start

Provided quality control for 6,000 sq-ft addition to existing Marrero Head Start facility. Project scope included mechanical, plumbing and fire protection systems in both the new addition and renovated areas.

Jackson Barracks- Engineering Complex

This project included design for three buildings: Building 401 is a 18,000 sq. ft. warehouse facility with small office and 2nd floor work area and showers. Building 402 is a 6,800 square foot vehicle maintenance building. Building 403 is a 15,000 square foot shop building with a storage mezzanine and office area. All buildings were heated and ventilated. Chip was responsible for all mechanical design.

U.S. Custom House Renovation

Chip was the mechanical engineer of record providing mechanical design services for the Custom House. The project entailed the shell building renovation of the upper floors including the replacement of all HVAC systems.

St. Mary’s Dominican High School Athletic Complex

Provided mechanical, plumbing and sprinkler design for complex including gym, weight training area, dance area, classrooms, lockers, and administrative areas.

Louisiana National Guard – Covington Readiness Center

Responsible for the mechanical design for a 30,300 sq-ft facility consisting of classrooms, lockers and administrative areas to train 114 soldiers. The design of the project as submitted qualifies for 54 LEED Points. The contributing mechanical and plumbing system measures included complete DDC control, premium efficiency HVAC equipment, demand ventilation control, utility monitoring, non-zone depleting refrigerants, demand control variable volume air and water systems, instantaneous domestic hot water heating system, and low consumption plumbing fixtures.

Hale Boggs Building – 2nd Floor Judge’s Chambers

Responsible for mechanical design for this 3,200 sq-ft renovation including HVAC system, plumbing, and fire protection system modifications.

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
2.		
4.		

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

IMC Consulting Engineers, Inc. has enjoyed serving Jefferson Parish for over 30 years and has provided extensive electrical and mechanical work for the parish both as a prime consultant and as a sub-consultant. Relevant projects include MEP design for municipal, military, recreational, and emergency facilities. Specific to Jefferson Parish, in addition to the projects listed above, IMC designed and administered the construction for mechanical and/or electrical systems for the Yenni Building Generator Platform, Yenni Building Cooling Tower Replacement, and the addition of the standby of generator at First Parish Court, to name a few. Providing quality professional services to the municipal sector has been a key component of our company's success. Our experience serving this sector has afforded us the opportunity to understand the unique challenges this sector faces, namely budget constraints, operation costs, and the serviceable life that the systems are expected to provide.

1. PROFESSIONAL TRAINING AND EXPERIENCE

IMC Consulting Engineer's licensed Electrical staff includes Richard Nichols, P.E. (Principal, 30+ years of experience), and Paul Vlosich, P.E. (Principal, 25+ years of experience). IMC also employs Electrical Designers Daniel Walker (30+ years of experience) and Garrett Fried (5+ years of experience).

IMC's licensed Mechanical staff includes Eugene "Chip" Higbee, P.E. (Principal, 30+ years of experience), Matt Wender, P.E. (Principal, 15+ years of experience), Joseph Garon, P.E. (5+ years of experience), and Matthew Garon, P.E. (5+ years of experience). IMC also employs Mechanical Designers Russell Troncoso (3+ years of experience) and Quynh Nguyen. On a part-time basis, Louis Pastor, CIPE/CPD (40+ years of experience) continues to provide IMC with design assistance on selected projects. Louis specializes in plumbing engineering and is certified in that area.

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

All of IMC Engineers and Designers provide field observation & inspection of projects under construction on a regular basis.

All of our Engineers and Designers are required to obtain a minimum of 15 hours of professional development training each year, 8 of which must be associated with life safety training (NFPA 101, IBC, NFPA 72, NFPA 13, etc.), and at least 1 hour in professional ethics.

IMC is presently utilizing AutoCAD & Revit drafting software and a custom- designed template specifically tailored to electrical and mechanical system drafting. The original template was designed in 1988 and continues to be upgraded by IMC CAD personnel. IMC utilizes MS Word processing software for specifications and general correspondence and utilizes Microsoft Excel electronic spreadsheet for efficient calculations and tabulation of data.

2. SIZE OF FIRM

IMC is an 17-person firm specializing in Mechanical and Electrical design services. Our firm has relatively low overhead and prides itself on productivity. Our engineers and designers are involved in all aspects of the project from design to final observation, decreasing the total impact that a single project has to company resources, and allowing our engineers to take ownership of the projects they have designed.

3. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

Based upon our experience with past contracts with Jefferson Parish, we project that this contract would constitute less than 5% of our revenue in a given fiscal year. As such, we believe that IMC's staff of 18 can support the design effort required for the awarded work. IMC can easily staff the project with adept and tenured personnel. Our past experience with Jefferson Parish has proven that IMC has the capacity for timely completion of projects; we know of no instance where IMC was not able to deliver a project on time to Jefferson Parish.

4. PAST PERFORMANCE ON PROJECTS OF SIMILAR SIZE, SCOPE, AND SCALE

IMC has provided engineering services for many Jefferson Parish projects. All projects have been successfully completed, and we encourage review of our performance with Jefferson Parish personnel, Mr. Ryan Babcock (General Services) and Mr. Mark Drewes (Director of Public Works). Currently, IMC holds a miscellaneous mechanical and electrical engineering service contract with Jefferson Parish. In addition, IMC has designed and administered MEP projects for many state and federal municipalities, including the Louisiana Department of Transportation and Development, Louisiana Facility Planning and Control, LA. National Guard, GSA, and the U.S. Navy.

5. LOCATION OF PRINCIPAL OFFICE WHERE WORK WILL BE PERFORMED

IMC's only office is located in Jefferson Parish at 2714 Independence St., and many of our employees reside in Jefferson Parish. IMC has been located in Metairie since 1993. All mechanical and electrical design work will be performed from this office by staff presently with IMC.

6. ADVERSARIAL LEGAL PROCEEDINGS WITH JEFFERSON PARISH

IMC is not involved nor ever has been involved in litigation with Jefferson Parish.

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

7. PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE & NATURE OF SERVICES

As we hope this questionnaire illustrates, IMC has successfully completed numerous projects in the 30+ years that we have been in business. For Jefferson Parish specifically, whether as a prime consultant or as a subconsultant to an Architect, IMC has designed Mechanical and Electrical systems for office buildings (Yenni Building), Convention Centers (Alario Center), libraries (West Bank Regional), and courthouses (First Parish Court), to name a few. Outside of Jefferson Parish, we have designed Mechanical and Electrical systems for fire stations, schools, a sheriff's office, and a firing range. IMC is typically a sub-consultant to an architectural firm for these projects and believes that the repeat business we receive from those clients is the best indication of our performance. especially our success in completing the design of those projects. We have enjoyed our relationship with Jefferson Parish over the past 30 years and sincerely believe that to have the opportunity to work with Jefferson Parish in the upcoming years.

IMC is a small business as identified by U.S. Federal Standards.

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

Signature: _____



Print Name: Paul S. Vlosich

Title: Principal and Director of Municipal Projects

Date: 12-9-24

ECM Consultants, Inc.

1301 Clearview Parkway, Suite 200, Metairie, Louisiana 70001