



P.O. Box 870398
New Orleans, LA, 70187

March 31, 2023

Jefferson Parish Purchasing Department
200 Derbigny Street, St. 4400
Gretna, LA 70053

SUBJECT: Request No.: SOQ 23-007 / Resolution No.:141493

Professional Mechanical and Electrical Engineering Services

Please find enclosed, King Consulting Engineers' qualification package for the SOQ 23-007/ Resolution 141493- Professional Mechanical and Electrical Engineering Services. Our team of professionals provides a comprehensive blend of experience and expertise that is directly applicable to the proposed project. Even though the specific scope for each project element has not been defined, King Consulting and its team are very interested in working with Jefferson Parish. King Consulting and its consultants will bring several unique qualifications to the execution of these projects, that have yet to be determined. Some of these qualifications are expertise, experience, and excellent customer service.

First, we have expertise with the challenges presented by municipalities and government agencies, for example the uniqueness of design. Buildings may be dated or are unable to be occupied due to unforeseen circumstances and require due diligence discovery of systems. Our team has a proven track record of evaluating these kinds of systems and working within budget and schedule constraints to bring forth a value-added product.

Second, King Consulting and its consultants have proven experience in working with and within various municipalities/ government agencies including the St. Barnard Parish, Orleans Parish, Plaquemines Parish, City of Houston, Montgomery County, Harris County, Waller County, Federal Bureau of Prisons, the City of Pasadena, to name a few.

Third, King Consulting and its consultants' greatest offering is our customer service, because we value our customers and believe that a satisfied customer is paramount. We demonstrate this belief by the following: quality products, availability, and communication. We attend and coordinate any scheduled/unscheduled meetings. We work closely with our customers to understand their needs, so that we add value to their projects.

We look forward to an opportunity to amplify the unique qualifications of our team through a direct interview. If you need more information, please contact us at, 504.399.1141.

Respectfully,

Kerwyn King, P.E | Principal
King Consulting Engineers, LLC

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-007/ Resolution No: 141493 Provide Professional Mechanical and Electrical Engineering Services

B. Firm Name & Address:

King Consulting Engineering, LLC
140 Oakmont Drive
New Orleans, LA 70128

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:

Kerwyn King, P.E. (P.E. #0038583 - LA)
Principal Electrical Engineer
O: 504.339.1141
kerwyn@king-engineers.com

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

Kerwyn King, P.E.
Principal Electrical Engineer
O: 504.339.1141
kerwyn@king-engineers.com

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

<u>1</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u>1</u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>3</u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u>7</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.

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.
N/A

2.
N/A

H. Has this JOINT-VENTURE previously worked together? Please check:
YES ☐ NO ☒

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Marshall Engineering Corporation 715 N. Houston Ave. Humble, Texas 77338	Mechanical Engineering	Yes
2.		
3.		

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

14 _____

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:

Kerwyn King- Principal Electrical Engineer

Project Assignment:

Project Management and Electrical Engineering

Name of Firm with which associated:

King Consulting Engineering, LLC

Years' experience with this Firm:

5 years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/ 2005/ Electrical Engineering

Active registration: Year first registered/discipline:

2013/ Electrical Engineer

Other experience and qualifications relevant to the proposed Project:

Mr. King has over 15 years of experience as an Electrical Engineer, including project management, electrical engineering and design and analysis of power and low voltage electrical systems. His experience spans multiple industries including, building electrical systems, public works projects, and infrastructure projects. Mr. King's experience and knowledge has been applied to the selected projects: City of Kenner, - MLK Center, Kinder Morgan Delta Terminal, Marrero, LA- New Boiler Building, St. Bernard Parish Police Department, New Orleans Sewage and Water Board- Post Katrina Facilities Damage Assessment and Repair/ Replacement Designs, Plaquemines Parish and Plaquemines Parish Department of Public Works- Post- Katrina Damage Assessment and Repair/Replacement Design, Port of New Orleans- IH-NC Properties Sewer Lift Station Repairs, Orleans Parish- Post Katrina Damage Assessment and Repair/Replacement Design, and Southeast Louisiana Veterans Cemetery- Camp Villere, Slidell, LA, among many others.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Sean Curtis- Senior Electrical Engineer
Project Assignment:
Project Management and Electrical Engineerig
Name of Firm with which associated:
King Consulting Engineering, LLC
Years' experience with this Firm:
5 years
Education: Degree(s)/Year/Specialization:
Bachelor/ 1997/ Electrical Engineering
Active registration: Year first registered/discipline:
2008/ Electrical Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Curtis has a versatile in engineering involving offshore and refinery design, power plant systems design, ship systems design, control and monitoring systems, human-machine interfaces, peer-peer networking. He is adept in developing purchase specifications for equipment and writing construction scopes of work to provide for Contractor bids and installation. He has maintained high job performance by accurately and efficiently completing assignments. Possess knowledge and adheres to applicable industry standards such as NFPA 70, NFPA 70E, IEEE,API, 46 CFR, CAP 437, etc, as well as, experienced in utilizing ETAP and SKM to perform load flow, arc flash analysis and short circuit analysis.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Wallace Jackson- Senior Electrical Engineer
Project Assignment:
Project Management and Electrical Engineering
Name of Firm with which associated:
King Consulting Engineering, LLC
Years' experience with this Firm:
5 years
Education: Degree(s)/Year/Specialization:
Bachelor of Science/ 2000/ Electrical Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Mr. Jackson is a skilled and dedicated professional offering 15+ years in various aspects of Electrical and Reliability Engineering disciplines, including project/personnel/asset/risk management, process assessment and improvement, and client/stakeholder presentations. He is a Certified Project Management Professional, has received continuing education in NFPA 70 NEC, NFPA 70E Standard, Reliability Engineering and Project Management methodologies, and has formal training in power analysis software such as ETAP, SKM, etc. He is also efficient in MS Office Products, AvSim +Reliability Modeling, SAP, and SharePoint and possesses a working knowledge of MIL-HDBK-217.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Raynard Bender - Project Electrical Lead / Project Manager
Project Assignment:
Project Management and Electrical Engineering
Name of Firm with which associated:
King Consulting Engineering, LLC
Years' experience with this Firm:
< 1
Education: Degree(s)/Year/Specialization:
Bachelor of Science/ 2005/ Electrical Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Mr. Bender is a skilled and dedicated professional offering 18+ years in various aspects of Electrical Engineering and Project Management, including project/personnel/asset/risk management, process assessment and improvement, and client/stakeholder representation. His experience spans both private and government organizations, including Chief of Capital Asset Management at the Veterans Affairs Medical Center in New Orleans, LA.

TEC Professional Services Questionnaire

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

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:	
VA Medical Center Infrastructure Improvements, New Orleans, LA Julie Catellier 2400 Canal Street New Orleans, LA 70119-6535 Main phone: 800-935-8387	Electrical engineer on project that included the reconstruction of North Rocheblave and Canal Street associated with the construction of the new VA Medical Center on Canal Street in New Orleans, LA The project including rerouting of major electrical utilities, and street work including paving and subsurface water and sewer mains.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	\$1B	

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Soniat House, New Orleans, LA	Lead Electrical Engineer for renovation of a 20,000 square foot three story, three building, Historic New Orleans French Quarter Hotel. Scope included updating all interior spaces and preservation of historic exterior details & courtyards and modernization of all the facility's MEP systems. The project included assessment of the existing electrical systems for feasibility of planned revisions. The project also required specifying three new standby electrical generator sets to support the properties in the event of loss of utility power, as experienced after Hurricane Ida.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	\$10M	

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
St. Bernard Parish Police Department	Project Electrical Engineer for new electrical design for two new 8000 sqft. Police Substations St Bernard Parish, Louisiana. The project included preparing plans and specifications for site electrical utilities and infrastructure, site lighting, and lighting, power, and communications systems for both buildings. Projects prepared in Revit.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$2M	

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Orleans Parish – Post Katrina Damage Assessment and Repair/Replacement Design	Project Electrical Engineer for the emergency repair design of two (2) New Orleans Police Department District Police Stations, two (2) New Orleans Fire Department Fire Stations, three (3) NORD facilities, and two (2) Early Childhood Education facilities in New Orleans (repair of 1 facility and replacement of the other) damaged by Hurricane Katrina. The projects included assessment of electrical damages due to flooding and wind, writing project worksheets with construction cost estimates for submittal to FEMA, preparing plans and specifications for complete replacement or repair of facilities and/or equipment, and construction administration. Engineered designs also incorporated components to mitigate future damage to the facilities and equipment in the event of another natural disaster.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Various	\$23,300,000	

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Southeast Louisiana Veterans Cemetery - Camp Villere, Slidell, LA	Project Electrical Engineer for new electrical design of a brand new Veterans Cemetery and facilities at Camp Villere National Guard Armory in Slidell, Louisiana. This phase of the project began the development of an 80 acre site, which includes burial plots, a 3100 sqft. administrative building, a 5200 sqft. vehicle maintenance and storage facility, and a 750 sqft. committal shelter. The project included preparing plans and specifications for site electrical utilities and infrastructure, site lighting, and lighting, power, and communications systems for the three buildings. The project also involved electrical design to support two sewer package plants and fuel storage and dispensing systems.	
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.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	NONE
2.		
3.		
4.		

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

In addition to design electrical systems from concept to constructions, King Consulting Engineering also has extensive knowledge engineering renovations, upgrades, repairs, etc. for existing facilities, systems, and equipment, including conducting electrical system evaluations, field walk downs, and verifying existing baseline drawings and field component data. We also have a healthy amount of experience creating, using and maintaining software models of electrical systems using SKM, ETAP, etc.

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

Signature: Kerwyn King Print Name: Kerwyn King, P.E.
 Title: Principal Electrical Engineer Date: March 31, 2023



MARSHALL ENGINEERING CORPORATION

"Providing MEP Solutions That Help Our Customers Succeed"

GENERAL QUALIFICATIONS

Marshall Engineering Corporation (MEC) is a professional engineering and consulting firm founded in 1996, as an **S-Corporation**, by Rayford R. Marshall, P.E., and licensed by the State of Texas. **Our local, corporate and main office address is 715 N. Houston Avenue, Humble, Texas 77338.** For the past **27 years**, we have provided mechanical, electrical and plumbing engineering and design, project management and construction administration services to private, commercial, municipal, industrial and governmental markets. MEC has over 130 years of combined experience in managing multi-discipline projects. We have successfully completed mechanical systems designed for municipalities including Harris County, Montgomery County, City of Houston, and Waller County, Federal Bureau of Prisons, the City of Pasadena and higher education systems.

MEC provides quality service with experienced personnel and proven procedures. The latest generation of computerized systems is utilized for design and drafting, scheduling and related project management services. These highly technical systems enable us to deliver fast, quality efficient services with fewer expended resource hours. We are extremely sensitive to the cost, the quality and the safety concerns of project development dimensions. Our prospective clients can look forward to a total scope of project management services, which can include planning and scheduling, contracting strategy analysis, design optimization, expenditure forecasting, estimation, cost reporting and cost control.

MEC has the capacity to perform work on many projects. MEC's Project Management has analyzed MEC's overall contractual commitments and availability. We have the capability with current staff to be an integral asset on Resolution No: 141493 projects.

As a team, with King Consulting Engineers, LLC, clients will benefit from value-added services in conjunction with excellent customer service. We welcome the opportunity to provide solutions with our qualified team for Jefferson Parish.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 23-007 / Resolution No: 141493- Provide Professional Mechanical and Electrical Engineering Services

B. Firm Name & Address:

Marshall Engineering Corporation
715 N. Houston Ave.
Humble, Texas 77338

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:

Kerwyn King, P.E. (P.E. #0038583- Orleans Parish)
CEO/Principal Electrical Engineer
O: 504.399.1141
M: 504.319.4646
kerwyn@king-engineers.com

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

N/A

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

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

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.
N/A

2.
N/A

H. Has this JOINT-VENTURE previously worked together? Please check:
YES ☐ NO ☒

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

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

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

N/A _____

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:

Clifford Tony Marshall, P.E.- Senior Engineer

Project Assignment:

Project Management and Mechanical Engineering

Name of Firm with which associated:

Marshall Engineering Corporation

Years' experience with this Firm:

24 years

Education: Degree(s)/Year/Specialization:

Master/ 1991/ Management
Bachelor of Science/ 1982/ Mechanical Engineering

Active registration: Year first registered/discipline:

Maryland (#23469) 1994- Mechanical Engineering
Texas (#127321) 2017/ Mechanical Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Marshall has over 30 years of relevant experience in evaluation, planning design, construction and construction management of mechanical engineering and related fields. His experience encompasses preparation of construction documents (drawings and specifications), cost estimates, and project scope identifications. He has comprehensive background in mechanical engineering and consulting, both as a staff engineer on a design team and as a lead engineer. Mr. Marshall has provided engineering for commercial, industrial, municipal, higher education/k-12, state, and federal related projects. His field of expertise includes engineering and design of HVAC, mechanical, plumbing, and fueling systems.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Muhammad Alavi, P.E.- Mechanical Engineer
Project Assignment:
Mechanical Engineering
Name of Firm with which associated:
Marshall Engineering Corporation
Years' experience with this Firm:
2 years
Education: Degree(s)/Year/Specialization:
Bachelor of Science/ 2016/ Mechanical Engineering
Active registration: Year first registered/discipline:
Texas (#139184) 2020/ Mechanical Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Muhammad is an accomplished mechanical engineer with experience in healthcare, municipal, and educational industries, with success in timely and cooperative project execution from initial design to completed construction. He is experienced with HVAC technologies such as chilled water plants, 4-pipe systems, DX split/ RTUs, VRF and underfloor air distribution. Mr. Muhammad is well versed in Revit, AutoCAD and TRACE 700.

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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

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:	
Polk and Kashmere Bus Operating Facility, Houston, Texas METRO Transit Authority (Owner) Parsons Corporation (Prime) Tom Wilshusen 713.971.7429 tom.wilshusen@parsons.com	The scope included providing engineering and design for the Petroleum Storage Tank Replacement for the Polk Bus Operating Facility and Kashmere Bus Operating Facility.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
In- Progress	\$3,000,000	\$75,000

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
South Post Oak Complex-Phase II Fort Bend County (Owner) IDG Architects (Prime) Ben McMillan 832.448.2462 bmcmillan@idgarch.com	Responsibility included Mechanical, Electrical, Plumbing engineering and design associated with the renovation of Fort Bend County's Sports Complex. Design included support for (3) baseball fields, a softball field, restrooms, concessions, a team meeting room, field lighting and site lighting. Additional design included electrical designs to support the addition of lighting for a small field, conduits for security cameras and infrastructure for the public address system.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$6,000,000	\$55,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Northwest Transit Center Reconfiguration, Houston, TX METRO Transit Authority (Owner) HNTB (Owner Rep) Vince Obregon 346.352.5626 vobregon@hntb.com	Engineering and design of the Driver Relief Station including the men's and women's restroom, and a new utility building inclusive of electrical distribution and lighting controls. Services also included Design Bid Support and Construction Administration.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$4,300,000	\$30,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Various Projects for Houston ISD, Houston, TX Houston ISD (Owner) IDG Architects (Owner Rep) Ben McMillan 832.448.2462 bmcmillan@idgarch.com	IDIQ for Houston ISD. Provided Mechanical, Electrical and Plumbing engineering and design for renovations and additions to various schools with Houston ISD (Jefferson Elementary, Frost Elementary, Coop Elementary, Brookline Elementary, Lamar High School, Houston ISD Ag Barn).	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018-2021	N/A	\$40,700

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Caper's Ridge Pump Station, Trinity River (Dayton, TX), Coastal Water Authority (Owner) Smith Architects (Owner Rep) Terry Smith 713.524.4202 tsmith@sc-arch.com	Mechanical, Electrical and Plumbing engineering and design for the construction of an office building, control center, warehouse and electrical building, for the Coastal Water Authority's Pump Station. The facilities were used to remove and pump water from the Trinity River and flow into the San Jacinto River for the use by the City of Houston.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$25,000,000	\$34,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
UAL New Terminal C North at Bush Intercontinental Airport, Houston, Texas United Airlines (Owner) AECOM (Owner Rep) Tyson Duncan 512.547.9756 tyson.duncan@aecom.com	Responsibility included engineering and design for the extensions of chilled water and hot water to serve the proposed Terminal C North at Bush Intercontinental Airport. The extension lines are underground and above ground to the new facility. The delivered plans were complete and suitable for permitting, bidding, and construction. Specific deliverables included area piping plans, piping details, technical specifications, bidding support, and construction administration which entailed submittal review, site visits, and responses to RFI's.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
N/A	\$30,000,000	\$94,950

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	N/A
2.		
3.		
4.		

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

Marshall Engineering Corporation has expertise with the challenges presented by various projects, from new construction to renovations/upgrades, for example the uniqueness of design. Some structures are dated and require due diligence discovery of systems. MEC has a proven track record of evaluating these kinds of systems and working within budget and schedule constraints to bring forth a value added product.

Marshall Engineering is uniquely qualified to perform mechanical engineering and design services. Our experience ranges from small (direct expansion) systems to multi-zone chilled water hydronic systems. The breadth of our experience is based on years of combined experience in designing mechanical and HVAC systems.

We are keenly aware of the issues facing the design of various buildings and complexes. Issues such as humidity control, air quality, temperature swings, energy conservation and economy of design are all factors that are addressed in our systems design.

Our design process for mechanical involves a determination of the heating and cooling load utilizing state of the art computerized tools. Our engineers' familiarity with design parameters enable them to interpret the results of such design aids and convert the requirements to equipment specifications, construction documents and sequence of operations that are specific to requirements.

The efficient use of environmental capacity is highly dependent on the control provided. We combine equipment operations, owner requirements and space conditions with the application of computerized control systems. These systems provide the owner with information on systems performance, operational parameters and set-point conditions to allow the energy efficient operation of environmental systems.

Of key concern in our environment is the issue of air quality. MEC understands the relationship between building humidity, filtration and fresh air requirements and how these items can affect the habitability of the interior space. Our personnel utilize the lowest in ultra-violet technology. HEPA filtration, fresh air pre-treatment to ensure interior spaces do not promote the growth of unacceptable mold and mildew.

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

Signature: C. Tony Marshall Print Name: C. Tony Marshall
 Title: Senior Engineer Date: 03/31/2023