

# STATEMENT OF QUALIFICATIONS

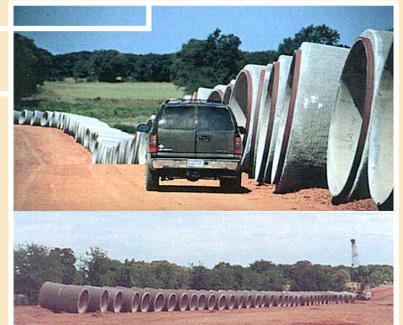
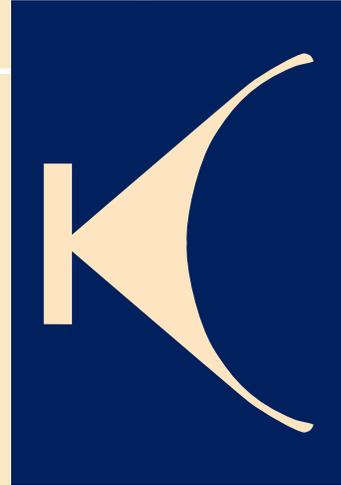
Routine Engineering Services for  
Drainage Projects

Resolution 144202

## KENALL SOQ RESPONSE



SOQ 24-015





June 21, 2024



Jefferson Parish Purchasing Department  
General Government Building  
200 Derbigny Street, Suite 4400  
Gretna, LA 70054

**Subject:** SOQ to provide **Routine Engineering Services for Drainage Projects**  
Resolution No. **144202**  
**SOQ 24-015**

Kenall, established in 2002, is a registered SBA Woman-Owned, and Disadvantaged Business Enterprise having offices in New Orleans, LA and Houston, TX. Kenall is a full-service Civil Engineering, Geotechnical Engineering, Construction Management, Construction Materials Testing, and Environmental services firm that has served Jefferson Parish, City of New Orleans, State of Texas, and construction industry for over 20 years. We have a qualified staff of professional geotechnical engineers, civil/structural engineers, design engineers, geologists, construction inspectors, field and lab technicians, drillers, environmental engineers, and administrative personnel working as a combined team to offer our clients the finest service available.

Kenall team has a proven record of working successfully on federal, state, local government, and private projects. Our outstanding clientele include **Jefferson Parish, City of New Orleans, Sewerage and Water board of New Orleans, St. Tammany Parish, Regional transit Authority (RTA), Louisiana Department of Transportation and Development, Port of New Orleans, USACE, NAVFAC, IBWC, USDA NRCS, City of Houston, City of Sugarland, and many other private clients.**

Providing highest quality engineering and technical services with integrity and efficiency has guided the firm through its growth. Of highest concern to Kenall is the accurate and timely performance of all our personnel on all projects in full compliance with our Quality Control program through proper communication, prompt response, and report turnaround with economic efficiency. Kenall offers to provide best in class **Engineering Services** for Jefferson Parish. We remain committed in making a good-faith effort to assist Jefferson Parish in accordance with the goals and statutes established by the council.

On behalf of all our employees, I want to personally thank you for an opportunity to serve Jefferson Parish. We welcome and appreciate the opportunity to be of service to you.

Sincerely,

A handwritten signature in blue ink that reads 'Krishna D. Prasad'.

Krishna D. Prasad, P.E.  
Principal/ President  
kris.prasad@kenallinc.com

## TEC Professional Services Questionnaire

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

Routine Engineering Services for Drainage Projects; Resolution 144202

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



Kenall Inc. (Kenall)  
5801 Citrus Blvd., Suite 104  
Harahan, LA 70123

**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:**

Mr. Krishna D. Prasad, P.E.  
President/ Principal  
kris.prasad@kenallinc.com  
(504) 733-1325

**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.**

Mr. Krishna D. Prasad, P.E.  
President  
kris.prasad@kenallinc.com  
(504) 733-1325

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

<u>4</u> Administrative	<u>   </u> Estimators	<u>   </u> Specification Writers
<u>1</u> Architects (Licensed)	<u>1</u> Geologists	<u>3</u> Structural Engineers
<u>   </u> Chemical Engineers	<u>3</u> Geotechnical Engineers	<u>3</u> Graduate Engineers
<u>4</u> Civil Engineers	<u>   </u> Interior Designers	<u>4</u> Project Managers
<u>5</u> Construction Inspectors	<u>   </u> Landscape Architects	<u>1</u> Clerical
<u>   </u> Ecologists	<u>   </u> Land Surveyor	<u>   </u> Grant/Funding Specialist
<u>1</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u>   </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u>3</u> Environmental Engineers	<u>10</u> Technician/Others
<u>   </u> Professional Land Surveyors		
		<b><u>47</u> TOTAL</b>

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

**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: 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**

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:**

Krishna D. Prasad, PE  
Principal / President

**Project Assignment:**

Principal

**Name of Firm with which associated:**

Kenall, Inc.

**Years' experience with this Firm:**

22

**Education: Degree(s)/Year/Specialization:**

Master of Science in Civil Engineering, 1992

**Active registration: Year first registered/discipline:**

PE/ Louisiana/ Civil Engineering No. 34186/ 2008  
PE/ Texas/ Civil Engineering No. 91952/ 2003

**Other experience and qualifications relevant to the proposed Project:**

Mr. Prasad has 31 years of professional experience in geotechnical engineering, civil engineering, environmental engineering, construction materials testing and inspection services. His experience includes 800+ projects with a value of over \$100 million. His background in geotechnical engineering, construction materials testing, and jobsite inspection includes a diverse range of field, laboratory, engineering analysis, and administrative experience. His experience includes providing geotechnical engineering services for drainage structures, dams, levees, pump stations, land-fills, solid waste, water and sewage line, school buildings and facilities, public utilities, road projects, residential subdivision underground utilities, pavement designs, and multi-million dollar institutional and high-rise buildings. He has a vast experience in forensic engineering, slope stability modeling and foundation design for civil/marine infrastructure projects.

Mr. Prasad's engineering background has evolved, from his extensive civil/geotechnical engineering, environmental field work, field testing and inspection experience around the Louisiana and Texas area. Mr. Prasad has developed multiple designs, conducted numerous technical reviews of environmental management systems, environmental compliance audits, environmental site assessments. He managed and coordinated various construction projects and responsibilities included selection of key personnel, design engineering construction management services, inspection, and cost estimating. Affiliations: SAME, ACI, ASCE, ACEC, ASDSO.

**Key Engineering projects Mr. Prasad has been involved with:**

- Dugues Canal Drainage Improvements, Jefferson Parish, LA
- Blue and Green Corridor Improvements, City of New Orleans, LA
- Mandeville Bypass, St. Tammany Parish, LA
- RTA Canal Street Ferry Terminal investigation, New Orleans, LA
- Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA
- City of Wharton Improvements, Wharton, TX
- Holiday Drive Bridge Replacement, New Orleans, LA
- Nicole Boulevard Bike Path, Jefferson Parish, LA
- St. Bernard Improvements, City of New Orleans, LA
- West Esplanade Road Improvements, Jefferson Parish, LA
- Geotechnical Engineering Services for Labarre Road Drainage, Jefferson Parish, LA
- Avenue D Drainage Improvements, Jefferson Parish, LA

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Rajesh Tolikonda, PE Civil Engineer
<b>Project Assignment:</b>
Project Manager/ Civil Engineer
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
12
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science in Civil Engineering, 2010
<b>Active registration: Year first registered/discipline:</b>
PE/ Louisiana/ Civil Engineering No. 43394/ 2019 PE/ Texas/ Civil Engineering No. 130945/ 2018
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Tolikonda has more than 12 years of experience and has served as a Civil Engineer on about 200+ engineering projects for federal and public entities to include inspections and design of municipal and port infrastructure, and industrial facilities. This experience includes a wide variety of projects including bridges, roadways, airports, airfields, drainage structures, utilities, levees, roads, and pavements, retaining walls, dams. He managed and coordinated various construction projects and responsibilities included selection of key personnel, construction management services, design engineering, construction administration, inspection, and cost estimating. Affiliations: SAME, ACI, ASCE, ACEC, ASDSO.</p> <p><b>Key Engineering projects Mr. Tolikonda has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Dugues Canal Drainage Improvements, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• Mandeville Bypass, St. Tammany Parish, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• City of Wharton Improvements, Wharton, TX</li> <li>• Holiday Drive Bridge Replacement, New Orleans, LA</li> <li>• Nicole Boulevard Bike Path, Jefferson Parish, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• West Esplanade Road Improvements, Jefferson Parish, LA</li> <li>• Geotechnical Engineering Services for Labarre Road Drainage, Jefferson Parish, LA</li> <li>• Avenue D Drainage Improvements, Jefferson Parish, LA</li> <li>• Banks along Bayou St. John, New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• West Esplanade Road Improvements, Jefferson Parish, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar (DASR), Meridian, MS</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• Avenue D Drainage Improvements, Harahan, LA</li> <li>• South East Louisiana 24a-Claiborne Avenue Phase I, New Orleans, LA</li> <li>• Fire Station #17, Jefferson Parish, LA</li> <li>• North Fort Hood Drainage Improvements, USACE Fort Worth, Fort Hood, TX</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Shiva Kumar Sahai, PE Sr. Civil Engineer
<b>Project Assignment:</b>
Sr. Civil Engineer
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
19
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science in Civil Engineering, 1974
<b>Active registration: Year first registered/discipline:</b>
PE/ Louisiana/ Civil Engineering No. 25522/ 1993
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Sahai has more than 47 years of experience in providing civil engineering services and has served various engineering projects for federal, public works, and private entities. Mr. Sahai is Kenall's lead engineer and project/QA-QC manager on various engineering projects for federal, public works, and public entities. His experience includes civil, structural design of various roadways, bridges, and hydraulic analysis. Sam has provided construction administration and support services on various municipal, DOT and federal projects with construction cost of ~\$100M. <i>Affiliations:</i> SAME, ASCE, ACEC and ACI.</p> <p>During the design phases of projects, Mr. Sahai provides detailed review services to check that the project's engineering design and construction recommendations are incorporated into the plans and specifications for the projects. He also establishes geotechnical and geological quality control/quality assurance during the design and construction phases of projects. He provides geotechnical and geological construction observation and testing services during the construction phases of projects He specializes in establishing positive communication with the project team to ensure successful projects, including aiding the clients/owners in their planning decisions.</p> <p><b>Key Engineering projects Mr. Sahai has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Dugues Canal Drainage Improvements, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• Mandeville Bypass, St. Tammany Parish, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• City of Wharton Improvements, Wharton, TX</li> <li>• Champion Lake Culvert Replacement, Trinity River National Wild Refuge, Liberty, TX</li> <li>• Holiday Drive Bridge Replacement, New Orleans, LA</li> <li>• Nicole Boulevard Bike Path, Jefferson Parish, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• Banks along Bayou St. John, New Orleans, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar (DASR), Meridian, MS</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• South East Louisiana 24a-Claiborne Avenue Phase I, New Orleans, LA</li> <li>• SRM and CTC Projects, USACE Fort Worth, Fort Polk, LA</li> <li>• North Fort Hood Drainage Improvements, USACE Fort Worth, Fort Hood, TX</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Rukshan Wijeratne, PE Sr. Structural Engineer
<b>Project Assignment:</b>
Sr. Structural Engineer
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science in Structural Engineering, 1992
<b>Active registration: Year first registered/discipline:</b>
PE/ Texas/ Structural Engineering No. 102708/ 2009 PE/ Louisiana/ Structural Engineering No. 34638/ 2009
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Wijeratne is the senior structural and forensic engineer at Kenall and has over twenty-five years of experience designing commercial, institutional, medical, industrial, and residential projects, as well as extensive experience in high wind zone and seismic requirements. His experience extends to design of connections for high-rise structures, and renovations and restorations of historic buildings. His designs include the use of concrete, steel, masonry, wood and light gauge metal framing, and remediation using Fiber reinforced Polymers.</p> <p>Mr. Wijeratne is highly experienced and technically knowledgeable in structural design and construction projects from conceptual stage through detailed design. He has several years of experience in structural design, modeling of storm water analysis, planning, drainage analysis, disaster management and response. Well knowledgeable of FEMA, and related flood studies, highway/roadway drainage design, bridge scour analysis, water system analysis, planning etc. Mr. Wijeratne has designed more than 50 environmental structures, watertight structures such as pump stations, wastewater treatment plant, concrete storage tanks, rectangular and circular. The design was based on ACI 350 and AWWA D115 codes and design regulation. He led the design of hydraulic part of these structures as well. He has also been involved extensively with the review of shop drawings for both structural steel and concrete structures. Some of the design skills include:</p> <ul style="list-style-type: none"> <li>• Design based on International Building Code (IBC 2009), &amp; ASCE 7-16</li> <li>• Proficient in material codes AISC (13th ED), ACI 318-05, ACI-530-05, NDS-05</li> <li>• Use of Masterspec to compile specifications for structural components</li> <li>• Forensic inspection based on ATC-45 criteria</li> </ul> <p><b>Key Engineering projects Mr. Wijeratne has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• De Saix Blvd Bridge Replacement, New Orleans, LA</li> <li>• Mandeville Bypass, St. Tammany Parish, LA</li> <li>• Rendon Street Warehouse, New Orleans, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• Holiday Drive Bridge Replacement, New Orleans, LA</li> <li>• Champion Lake Culvert Replacement and Improvements, Liberty, TX</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Srujan Chikyala, PE Geotechnical Engineer
<b>Project Assignment:</b>
Civil / Geotechnical Engineer
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
15
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science in Civil Engineering, 2008
<b>Active registration: Year first registered/discipline:</b>
PE/ Texas/ Civil Engineering No. 122374/ 2015
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Chikyala is Kenall's Project Engineer/ Project Manager for various civil engineering projects and has more than 15 years of professional experience in the areas of civil/ geotechnical engineering, soil investigation, construction materials testing and inspection. He has worked on numerous engineering projects such as dams, levees, and vertical structures throughout the Louisiana and Texas regions. He leads various geotechnical projects through design and construction for federal, public works, and private entities.</p> <p>Mr. Chikyala has experience in providing geotechnical recommendations for schools and colleges, commercial buildings, high-rise structures, water-related structures, transportation facilities and municipal structures. He also has experience in performing stability modeling and foundation design for civil infrastructure projects, seepage studies, groundwater control, foundation failure and correction, and slope failure and correction. He has supervised/conducted construction monitoring including site grading, field density testing, piezometer installation, spread footings and drilled piers.</p> <p>Mr. Chikyala is also experienced in providing laboratory testing, geotechnical consulting, material testing services, environmental engineering, and project management services for a variety of clients. His experience in construction material testing services includes performing field inspection and testing a wide range of sub-structures. He also supervises field and lab engineering technicians. He has managed laboratory testing very effectively, and coordination with Project Manager, Project Engineers and Field Engineers. Based on his experience, he provides state-of-the-art QA/QC on all projects and stresses effective client communication as the most important factor in creating successful projects</p> <p><b>Key Engineering projects Mr. Chikyala has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Geotechnical Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• Geotechnical Engineering Services for Labarre Road Drainage, Jefferson Parish, LA</li> <li>• Nicole Boulevard Bike Path, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• Mandeville By Pass, St. Tammany Parish, LA</li> <li>• Rendon Street Warehouse, New Orleans, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• Leonidas and Hollygrove Roadway Improvements, New Orleans, LA</li> <li>• Avenue D Drainage Improvements, Harahan, LA</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Prakash Raja, PMP Project Manager
<b>Project Assignment:</b>
Project Manager
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Business Administration, 1990 Bachelor of Science in Mechanical Engineering, 1981
<b>Active registration: Year first registered/discipline:</b>
Project Management Professional (PMP)/ 2016
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Raja is a Senior Vice President and Senior Project Manager at Kenall. He has over 29 years of demonstrated expertise in program and project management, environmental compliance, assessment and remediation techniques, construction management process, cost, schedule and quality control, business and proposal development, contract management and health and safety, and Defense Contract Audit Agency (DCAA) cost accounting standards. In the last five years, Mr. Raja has managed over \$25 million engineering and environmental programs involving construction, compliance, remediation, and unexploded ordnance. He is experienced with working on various environmental issues at several Corps of Engineer Districts, Ammunition plants and Air Force bases. In 2000, Mr. Raja has trained over 400-FHA personnel on Environmental Due Diligence' training under a contract with USDA at 8 field locations of the farmer's home administration sites.</p> <p><b>Key Engineering projects Mr. Raja has been involved with:</b></p> <ul style="list-style-type: none"> <li>• US Air Force - Architect-Engineer Environmental IDIQ; Functioned as Client Development and Deputy Program Manager on the AFCEC 4PAE08 and the follow-on AE13ES contract. The 4PAE08 Task orders involved compliance projects that addressed a wide variety of environmental issues, restoration projects, geophysical sciences, GIS, and environmental science projects performed at active AFB and ANG facilities.</li> <li>• Managed the Fence-to-Fence environmental compliance program at Davis-Monthan Air Force Base (AFB), Luke AFB and Kirtland AFB. Compliance issues ranged from hazardous waste and hazardous materials management, air, water and wastewater programs and natural and cultural resource management.</li> <li>• USDA, Repair to Turkey Barn Floor, Iowa; The USDA contracted several contractors to remove the contaminated soils from the floor and replace them with clean soils. Mr. Raja was involved in providing quality assurance/control and project management advice to remediate 65 turkey barns in three counties. The project included removing loose and unsuitable soils from the floor, preparation of the floor for backfilling with new soils. Approximately 50,000 cubic yards of clean soils was brought in and was compacted and graded per project specifications and drawings. Decontamination of vehicles and equipment was conducted to avoid cross-contamination between the sites.</li> <li>• EPA Lead Remediation Sites 2007-08 - Performed QA/QC at two lead remediation sites, Omaha Lead Site in 2007 and Washington County Lead Site in 2008. Primarily responsible for evaluating the activities and processes for remediating the site against EPA acceptable quality assurance requirements and subsequently inspecting the properties as a quality control function. Developed checklist to ensure the quality objectives of the project for property approval and acceptance were met; accompanied the EPA Inspector for inspection.</li> <li>• Repair of BMT Recruit Housing &amp; Training FAC B5570, Lackland AFB, Texas</li> <li>• Design of Tactical Equipment Maintenance Facility (TEMF) Renovations at Fort Hood, Texas</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Voss Lakshman, P.E. Civil Engineer and QA/QC Manager
<b>Project Assignment:</b>
Civil Engineer, QA/QC Manager and Cost Estimator
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
22
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science in Civil Engineering, 1992
<b>Active registration: Year first registered/discipline:</b>
PE/ Texas/ Civil Engineering No. 90452/ 2000
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Lakshman has more than 22 years of professional experience in the areas of engineering design, quality control, environmental engineering, geotechnical engineering, foundation design, and inspection. This experience has been on a wide variety of projects throughout the country as well as overseas. His experience in engineering includes structural foundation design of various structures from high-rise buildings, school buildings and facilities, bridges, dams and petrochemical plants to individual homes, roads, warehouses and retaining walls.</p> <p>Mr. Lakshman's environmental and hydro-geological experience includes performing comprehensive site assessments (soil sampling and installation of monitoring wells; industrial waste disposal, site evaluation and design of industrial landfills; design and permitting of municipal solid waste landfills; groundwater site evaluations and studies; and continental ground water movement evaluation. He has also designed and investigated numerous sanitary and storm sewer facilities.</p> <p>Mr. Lakshman's experience in construction management includes scheduling estimates, inspection of commercial construction, claim review analysis and construct ability reviews. He has supervised and coordinated with sub-consultants to perform many field operations using barges, pontoon and buggees, in Louisiana and in the Galveston bay area.</p> <p><b>Key Engineering projects Mr. Lakshman has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Regional Transit Authority, On Call Architect and Engineering (A-E) Services, New Orleans, LA</li> <li>• Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• IBWC Sunland Park Levee Geotechnical Forensic Investigation, Houston, TX</li> <li>• Preliminary Engineering, Mandeville By Pass, St. Tammany Parish, LA</li> <li>• Malone Services NPL Environmental Site Cleanup, Texas City, TX</li> <li>• Bayou St. John Banks Stabilization and Improvements, New Orleans, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar (DASR), MS</li> <li>• Environmental Site Assessments for Waterline replacements in Sherwood and Kickerillo Areas</li> <li>• Airport Hangar Facility UST Removal, Houston, TX</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Tushar Gondane Sr. Construction Manager / Inspector
<b>Project Assignment:</b>
Construction Inspector
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
17
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science in Civil Engineering, 1987
<b>Active registration: Year first registered/discipline:</b>
ACI Concrete Construction Special Inspector (2012) ACI Concrete Field-Testing Technician – Grade I (2007) ACI Concrete Laboratory Testing Grade I (2012) ACI Aggregate Testing Technician – Level I (2013) ACI Concrete Strength Testing Technician (2012) LADOTD Certified PCC Inspector (2012)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Gondane has more than 22 years of professional experience in the areas of engineering, testing and inspection services. This experience includes a wide variety of projects in the New Orleans metropolitan area. His experience in engineering includes field investigation, conducting or supervising field and laboratory testing, preparing boring logs and quality assurance reviews on field and lab tests data.</p> <p>Mr. Gondane has over twenty-one (21) years of experience in civil construction works. He has worked on numerous projects including ports, airports, levees, roadways, building construction, channels, weirs, bank stabilization, dredging, and stone placement. He is also responsible for verifying that project execution is in accordance with plans and specifications, and coordination with contractors and field personnel. Mr. Gondane's experience also includes both field and laboratory testing services. He is proficient with the AASHTO and ASTM standards, and frequently supervises both field and laboratory engineering technicians, as well as training new technicians and preparing them for certifications. Well-versed in the Kenall QC Manual, maintains the quality of the lab, and testing procedures. He is also responsible for proficiency sampling.</p> <p>Mr. Gondane is proficient with the AASHTO, ASTM and DOTD standards, and frequently supervises both field and lab engineering technicians, as well as training new technicians and preparing them for certifications. Well-versed in the Kenall QC Manual, he also maintains the quality of the lab, and testing procedures. He supervises the proficiency sampling program of Kenall Cement and Concrete Reference Laboratory (CCRL) and AASHTO Material Reference Laboratory.</p> <p><b>Key Engineering projects Mr. Gondane has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Regional Transit Authority, On Call Architect and Engineering (A-E) Services, New Orleans, LA</li> <li>• Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• IBWC Sunland Park Levee Geotechnical Forensic Investigation, Houston, TX</li> <li>• Preliminary Engineering, Mandeville By Pass, St. Tammany Parish, LA</li> <li>• Malone Services NPL Environmental Site Cleanup, Texas City, TX</li> <li>• Port of New Orleans - Nashville Avenue Wharf A Substructure Repairs– New Orleans, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar (DASR), MS</li> <li>• Environmental Site Assessments for Waterline replacements in Sherwood and Kickerillo Areas</li> </ul>

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

<b>Name &amp; Title:</b>
Jude Courtney Sr. Construction Manager / Inspector
<b>Project Assignment:</b>
Construction Inspector
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
7
<b>Education: Degree(s)/Year/Specialization:</b>
High School Diploma
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Courtney has more than seven (7) years of experience with quality assurance and quality control inspections. He has provided inspections for many federal civil construction and dredge maintenance projects, including USACE construction projects for the New Orleans District. Mr. Courtney has construction management experience in drainage, road, levee, and building projects.</p> <p><b>Key Engineering projects Mr. Courtney has been involved with:</b></p> <ul style="list-style-type: none"> <li>• New Cohen High School, New Orleans, LA</li> <li>• Duncan Canal Improvements, Kenner, LA</li> <li>• Mandeville By Pass, St. Tammany Parish, LA</li> <li>• Dugues Canal Improvements, Jefferson Parish, LA</li> <li>• Nicole Boulevard Bike Path, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• Sewerage and Water Board Pumping Station 8, New Orleans, LA</li> <li>• Leonidas and Hollygrove Roadway Improvements, New Orleans, LA</li> <li>• Avenue D Drainage Improvements, Harahan, LA</li> <li>• South East Louisiana 24a-Claiborne Avenue Phase I, New Orleans, LA</li> <li>• Fire Station# 17, Jefferson Parish, LA</li> <li>• Banks along Bayou St. John, New Orleans, LA</li> <li>• Lynette and Shirley Lift Station, Jefferson Parish, LA</li> <li>• Girard Gymnasium Repairs, Metairie, LA</li> <li>• North Fort Hood Drainage Improvements, USACE Fort Worth, Fort Hood, TX</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Bharath Banda Field Inspector
<b>Project Assignment:</b>
Field Engineer
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
7
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science in Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Banda has been involved in engineering, and inspection services for more than 7 years in Louisiana and Texas regions. He has vast experience in laboratory testing of construction materials, such as soils, concrete, and asphalt concrete. His experience also includes field investigation services, managing the laboratory and directing the activities of the various technicians.</p> <p><b>Key Engineering projects Mr. Banda has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Mandeville Bypass, St. Tammany Parish, LA</li> <li>• Bonnabel Canal Improvements, Jefferson Parish, LA</li> <li>• Geotechnical Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• Geotechnical Engineering Services for Canal Bank Stabilization, Kenner, LA</li> <li>• Geotechnical Engineering Services for Labarre Road Drainage, Jefferson Parish, LA</li> <li>• Nicole Boulevard Bike Path, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• West Esplanade Road Improvements, Jefferson Parish, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar (DASR), Meridian, MS</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• Houston Ship Channel Dredged Material Management Plan, USACE Galveston, TX</li> <li>• IBWC Sunland Park Levee Geotechnical Forensic Investigation, TX</li> <li>• Geotechnical Field Investigation 9200 Block Barracks Buildings 9210, 9211, 9213 and 9214, Fort Hood, TX</li> <li>• SRM and CTC Projects, USACE Fort Worth, Fort Polk, LA</li> <li>• North Fort Hood Drainage Improvements, USACE Fort Worth, Fort Hood, TX</li> <li>• Repair Fire Protection Systems, Install Security Fences and Repair Various Buildings at Red River Army Depot,</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Daniel Ling CAD Designer / GIS Specialist
<b>Project Assignment:</b>
CAD Designer
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
15
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science in Architecture Master of Science in Urban and Regional Planning
<b>Active registration: Year first registered/discipline:</b>
Certificate of Geographic Information Technology (CGIT)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Ling is Kenall's GIS and GPS Specialist. While working for Galveston Housing Authority, Mr. Ling made important contributions to policy making with his insightful spatial analysis. He has over 15 years of experience in Geographic Information Systems (GIS), as well as other construction-related software. Mr. Ling is Proficient in GIS software ESRI ArcGIS 10.4, Python, model builder, and VBA programming. He is expert on AutoCAD, SketchUP, Adobe Photoshop, MicroStation Vi8, InDesign; proficient at operating professional GPS devices and land survey, Geodatabase designing and maintenance, Web Mapping with JavaScript, and Google Map API. As an architect and a planner, he has gained extensive experiences in applying ArcGIS together with AutoCAD, Civil 3D, and AutoCAD Revit for numerous governmental, commercial, or residential projects.</p> <p><b>Key Engineering projects Mr. Ling has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Dugues Canal Drainage Improvements, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• Mandeville Bypass, St. Tammany Parish, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• City of Wharton Improvements, Wharton, TX</li> <li>• Holiday Drive Bridge Replacement, New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• Banks along Bayou St. John, New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• West Esplanade Road Improvements, Jefferson Parish, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar, Meridian, MS</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• South East Louisiana 24a-Claiborne Avenue Phase I, New Orleans, LA</li> <li>• SRM and CTC Projects, USACE Fort Worth, Fort Polk, LA</li> <li>• Repair Fire Protection Systems, Install Security Fences and Repair Various Buildings at Red River Army Depot, USACE Fort Worth, Texarkana, TX</li> </ul>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
Sindhu Vemini Project Control Specialist
<b>Project Assignment:</b>
Project Control Specialist
<b>Name of Firm with which associated:</b>
Kenall, Inc.
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science in Electrical and Electronics Engineering – 2009 Master of Business Administration - 2013
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Ms. Vemini has more than (9) years of professional experience in the areas of project management, scheduling, project controls and document controls on a multitude of federal and local projects. She has worked on \$35M federal IDIQ contracts that involved design and construction project management for horizontal and vertical projects for clients including USACE, USDA-NRCS, TxDOT etc. She also has working experience with local entities such as PONO, City of New Orleans, Jefferson Parish, and City of Kenner. She worked closely with USACE Project Managers/ Contract Specialists and consultants through procurement, data reporting, schedule tracking, and analysis.</p> <p><b>Key Engineering projects Ms. Vemini has been involved with:</b></p> <ul style="list-style-type: none"> <li>• Dugues Canal Drainage Improvements, Jefferson Parish, LA</li> <li>• Blue and Green Corridor Improvements, City of New Orleans, LA</li> <li>• Mandeville Bypass, St. Tammany Parish, LA</li> <li>• RTA Canal Street Ferry Terminal investigation, New Orleans, LA</li> <li>• Engineering Services for Mounes Subsurface Drainage Improvements, Jefferson Parish, LA</li> <li>• City of Wharton Improvements, Wharton, TX</li> <li>• Holiday Drive Bridge Replacement, New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• Banks along Bayou St. John, New Orleans, LA</li> <li>• St. Bernard Improvements, City of New Orleans, LA</li> <li>• West Esplanade Road Improvements, Jefferson Parish, LA</li> <li>• NAVFAC Southeast Naval Air Station, Site Preparation for Digital Airport Surveillance Radar, Meridian, MS</li> <li>• NAVFAC Southeast Naval Air Station, Geotechnical Investigation and Topographic Survey, Meridian, MS</li> <li>• South East Louisiana 24a-Claiborne Avenue Phase I, New Orleans, LA</li> <li>• SRM and CTC Projects, USACE Fort Worth, Fort Polk, LA</li> <li>• Repair Fire Protection Systems, Install Security Fences and Repair Various Buildings at Red River Army Depot, USACE Fort Worth, Texarkana, TX</li> </ul>

## 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:

**Project Name:** Dugues Canal Drainage Improvements | Jefferson Parish, LA

**Location:** Jefferson Parish, LA

**Owner:** Jefferson Parish

**POC:** Mr. Neil Schneider, PE, CCM | 504-736-6833

#### Nature of Firm's Responsibility:

**Project Scope:** The project consisted of design of 4<sup>th</sup> Street drainage design, roadway repairs, sidewalks, three utility lines crossing the railroad in Jefferson Parish, LA. Kenall provided design engineering services including surveys, H&H analysis, preliminary and final design, and construction management services.



Project involved pavement rehabilitation including street pavement, mill and overlay, and replacement of sidewalks and driveways. The utility lines are installed under the railroad track using Jack and Bore method. The three (3) utility lines include 48" storm drain line, 24" sewer line, and 12' water line. The project also involved removal and replacement of an existing reinforced concrete box culvert with a new culvert to accommodate new utility lines. A new junction box is installed on both sides of the railroad to accommodate the anticipated future improvements. Kenall also provided assessment of the existing 42" storm drain line using closed circuit television (CCTV). The project was designed to be in compliance with Jefferson Parish General Standards and Specifications, RioGrande Pacific (RGPC) Railroad, USACE, Coastal Protection and Restoration Authority (CPRA), and Southeast Louisiana Flood Protection Agency (SLFPA). Kenall also submitted the design plans to RGPC, USACE, CPRA and obtained permits and no objection letters to continue with construction.

**Kenall Services:**

- Conducted site visits, reviewed, and documented the existing conditions;
- Designed surface and subsurface drainage systems including sanitary sewer, storm drain and channel;
- Designed final grades compatible with adjacent property 'US Foods' improvements;
- Design plans included limits of work, site plan, typical sections, plan and profile drawings, cross sections, and summary of bid items;
- Provided construction cost estimate for the entire project;
- Submitted 90% and 100% design set along with the specifications;
- Evaluated contractors bids, held preconstruction meeting, and recorded meeting minutes for later distribution;
- Kenall also provided construction management services including resident inspection and providing documentation of daily progress, monitoring of construction activities, assessing contractor schedule, evaluating, and maintaining records, field changes and authorizations, and documentation.

Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was Responsible:
2020	\$600K	\$120K

## 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. 2

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

**Project Name:** Blue and Green Corridor Improvements, New Orleans, LA

**Location:** New Orleans, LA

**Owner:** City of New Orleans, DPW

**POC:** Mr. Dan Grandal (Stantec) | 504-654-1756

#### Nature of Firm's Responsibility:

**Project Scope:** The Blue and Green Corridors project is located in Gentilly Neighborhood, an area that suffers from frequent flooding and has a lack of facilities to help residents lead healthy and active lifestyles. The project will transform major boulevards into a network of Blue and Green Corridors with canal, lift stations, channels, culverts, and green infrastructure to reduce flood risk and subsidence while improving quality of life for residents. Other improvements include stormwater storage and infiltration systems, linear parks, complete streets, road diets, and water monitoring stations.

Project also involved design of the following elements: pavement rehabilitation including three pedestrian bridges, channel stability, surface, and subsurface drainage systems, five pump stations, and one concrete weir structure.

#### Kenall Services:

- Conducted site visits, reviewed, and documented the existing conditions;
- Coordinated and led the development of the survey and geotechnical investigation;
- Designed roadway thickness including surface, base, and subgrade improvements;
- Designed street reconstruction and repairs, sidewalks, and ramps with ADA compliance;
- Designed surface and subsurface drainage systems including sanitary sewer, storm drain and channel ;
- Designed plans including limits of work, site plan, typical sections, plan and profile drawings, cross sections, and summary of bid items;
- Designed pump stations and lift stations;
- Provided foundation design of three pedestrian bridges, pump stations, lift stations, and concrete weir structure;
- Performed stability analysis of improved channels;
- Provided geotechnical engineering recommendations including foundation design, stability analysis, seepage analysis, and construction recommendations;
- Designed lighting, park, and associated improvements;
- Evaluated contractors bids;
- Reviewed construction plans of other disciplines and provided cost estimates for construction line items.



<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
September 2021	N/A	\$225,000.00

## TEC Professional Services Questionnaire

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

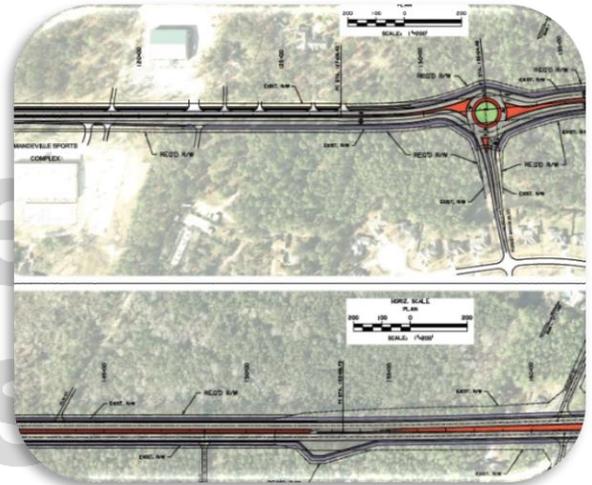
### PROJECT NO. 3

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

**Project Name:** Mandeville Bypass  
**Location:** St. Tammany Parish, LA  
**Owner:** St. Tammany Parish  
**POC:** Mr. Henry Picard, PE (BKI) | 504-486-5901

#### Nature of Firm's Responsibility:

**Project Scope:** The project consists of construction of a new Bypass road and associated bridges in Mandeville, Louisiana between US 190 and LA 1088. The proposed 3.5-mile road will provide additional access to Pelican Park and relieving some of the traffic that chokes the U.S. 190-LA. 22 interchange in Mandeville. The Bypass will have three (3) bridges and two (2) box culverts, and on grade pavement. The project scope included field investigation, preliminary and final design. Kenall provided design engineering services for the proposed bypass road and bridges. Design elements include but not limited to bypass road/pavement, roundabout center island, multi-use path, bike paths, truck apron, median and/or splitter island, sidewalks, ramps, and culverts. The FHWA, and LADOTD guidelines and specifications are applied for the design of pavement and bridges design.



**Services:** Kenall worked with project design team to plan, model, and design bridges, bypass road and associated improvements. Services include but not limited to:

- Conduct site visits, review, and document the existing conditions;
- Coordinated and led the development of the survey, geotechnical investigation;
- Environmental study of the proposed bypass road area to review any RECs at the site, as per NEPA, wetland delineation preparation and potential impacts of threatened and endangered species;
- Design of roadway pavement including pavement (both concrete and asphalt) thickness, base material and thickness, subgrade stabilization;
- Design of ramps for bridges at the intersection near Bayou Castine;
- Design of bridges as per AASHTO LRFD and FHWA specifications ;
- Design of pedestrian path and bike lane integral with the bypass road in Pelican Park;
- Roundabout intersection at connecting state routes;
- Design of vehicular traffic and pedestrian signalization;
- Foundation design of bridges, box culvert, and construction recommendations;
- Design of lighting, park, and associated improvements in conjunction with the bypass road;
- Coordination with landowners for property access and Right-of-Entry acquisition;
- Community involvement throughout the design process;
- Coordination with Fontainebleau Park personnel for field work and design process involvement;
- Reviewed construction plans of other disciplines and provides cost estimates for construction line items.

<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was</b>
October 2020	N/A	\$95,000.00

## 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. 4

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

**Project Name:** Williams Boulevard Roadway and Drainage Improvements

**Location:** Kenner, LA

**Owner:** City of Kenner

**POC:** Mr. Tom Schreiner, PE | 504-468-7515

#### Nature of Firm's Responsibility:

**Project Scope:** The project consisted of improvements of existing Williams Boulevard roadway improvements between West Metairie and Interstate I-10 in Kenner, LA. The project scope consisted of pavement patching for existing roadway and widening of Williams Blvd., at three (3) intersections.

**Kenall Services:**

- Conducted site visits, review and document the existing conditions;
- Coordinated and led the development of the survey, geotechnical investigation;
- Performed environmental studies including Phase I and evaluated the presence of Record of Environmental Considerations (REC), site assessments, as per FHWA and local guidelines;
- Reviewed traffic studies;
- Gathered all the information of existing and proposed utilities and from private utility providers, Jefferson Parish, and City of Kenner;
- Designed roadway thickness including surface, base, and subgrade improvements;
- Designed surface and subsurface drainage systems for the lane widening;
- Provided bridges design as per AASHTO LRFD and FHWA;
- Provided construction recommendations;
- Participated in field reviews as required by City of Kenner;
- Compiled the comments, and modified the preliminary design;
- Reviewed construction plans of other disciplines and provided cost estimates for construction line items;
- All design elements were in compliance with local and state standards;



<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2018	N/A	\$25,500.00

## 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**

### PROJECT NO. 5

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

**Project Name:** Nashville Avenue Wharf A Substructure Repairs

**Location:** New Orleans, LA

**Owner:** Port of New Orleans

**POC:** Mr. Anthony Evett, PE – 504-528-3309

#### Nature of Firm's Responsibility:

**Project Scope:** The project consists of restoration of more than 4,000 piles supporting the Nashville Avenue Terminal Complex in New Orleans. The Nashville Terminal Complex is one of nearly dozen Mississippi River cargo terminal owned by the Port of New Orleans. The project involves restoration of steel H, Pipe and Krupp piles that have withstood years of wear and tear on the river and require extensive repairs. Piles are first excavated and examined down to the steel core. Salvageable piles are then pressure-washed and fitted with rebar. For additional buttressing, a rebar cage is installed around the pile's exterior. After being fitted with a fiberglass jacket, a specially designed high-strength cement grout is poured around the perimeter of the targeted area.

**Services:** Kenall services include but not limited to:

- Kickoff meeting participation with PONO to understand the project scope, requirements, and responsibilities;
- Review plans and specifications;
- Assisting the Port as the project representative by providing daily work report (DWR), which included: contractor hours, equipment used, diving and barge crews' hours, pay items summary, daily updates, photos, and notes;
- Issuing written non-compliance reports;
- Reviewing RFIs, maintaining log and distributing to appropriate personnel for action;
- Daily coordination, communication with PONO personnel;
- Material inventory counts;
- Quality control inspection: grout test report, concrete inspection, Skidmore test, etc.;
- Evaluation and recommendations of the submittals, shop drawings, samples, mix designs, and any material and equipment substitutions ;
- Coordination with Port of New Orleans, design engineer and contractor;
- Notifying Port with any problems that impacted the project schedule and cost;
- Monitoring and tracking all approved construction contract modifications;
- Documenting and coordinating with Port on any unforeseen conditions
- Reviewing Divers time and completion percentage on daily basis;
- Attending all construction progress meetings;
- Inspection of contractor's work at substantial completion;
- Reviewed construction plans of other disciplines and provided cost estimates for construction line items.



Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$1000,000.00

## 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**

### PROJECT NO. 6

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

**Project Name:** Southeast Louisiana (SELA) 22 Jefferson Avenue Phase 2, and 24a Claiborne Avenue  
**Location:** New Orleans, LA  
**Owner:** USACE New Orleans District  
**POC:** Mr. Byron Lato (Cajun Contractors) – 225-754-1385

#### Nature of Firm's Responsibility:

**Project Scope:** As part of the Southeast Louisiana Urban Flood Damage Reduction (SELA) drainage program, designed to reduce flood damages in the City of New Orleans and surrounding parishes, the SELA-22 project consisted of the construction of approximately 3,700 feet of concrete covered canal along Jefferson Avenue and 1,300 feet of covered canal along Prytania Street, and utility relocations (sewer, water) as required. Work consisted of clearing and grubbing, excavation, site unwatering and groundwater monitoring, driving sheet piling, foundation jet grouting, utility relocations, maintenance, and diversion of storm water, covered canal construction, streetcar rail and electrical construction, traffic control, asphalt road work, fertilizing and seeding, backfilling, and incidental work.



Kenall worked as subcontractor to Cajun Contractors and provided quality control services for the SELA 22 project, and quality assurance inspection for the SELA 24a project. Challenging conditions included soil treatment and improvement to eliminate seepage issues and creating a bottom plug to provide structural support. The principal challenges for this project were the very aggressive construction schedule between hurricane seasons, and accessibility since the construction occurred primarily in residential areas. Among the challenges Kenall overcame was the availability of personnel, along with backups, on a daily basis, as Kenall provided multiple technicians and inspectors at the same time for inspection services at different locations. Kenall provided one (1) quality assurance inspector and three (3) field inspectors for this contract. Kenall provided daily quality assurance inspections.

**Services:** Kenall services include but not limited to:

- Kickoff meeting participation with USACE and Contractor to understand the scope and requirements;
- Review plans and specifications;
- Assisting the USACE by providing daily work report (DWR), which included: contractor hours, equipment used, diving and barge crews' hours, pay items summary, daily updates, photos, and notes;
- Issuing written non-compliance reports;
- Reviewing RFIs, maintaining log and distributing to appropriate personnel for action;
- Daily coordination, communication with USACE personnel;
- Material inventory counts;
- Quality control inspection
- Evaluation and recommendations of the submittals, shop drawings, samples, mix designs, and substitutions ;
- Monitoring and tracking all approved construction contract modifications

Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was
2014-2017	N/A	\$250,000.00

## 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**

### PROJECT NO. 7

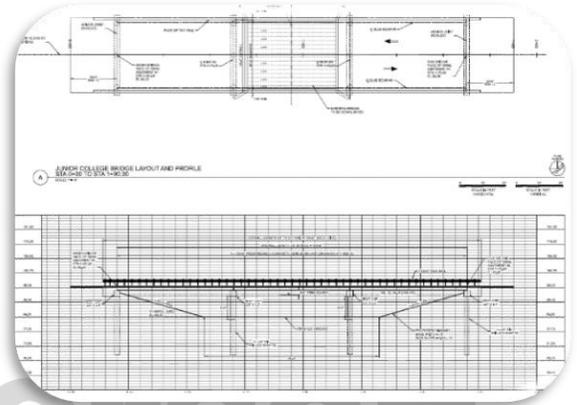
#### Project Name, Location and Owner's contact information:

**Project Name:** City of Wharton Improvements

**Location:** Wharton, TX; **Owner:** USACE Fort Worth District; **POC:** Mr. Ernesto Rada – 817-886-1723

#### Nature of Firm's Responsibility:

**Project Scope:** The City of Wharton projects are designed to reduce flood damages along the Colorado River in Wharton, TX. The project is located within the floodplain of the Colorado River. The City of Wharton is subject to flooding from the Colorado River, Caney Creek, and Baughman Slough. The improvements in the Baughman Slough includes three (3) bridges replacements at Moers Lane, Fulton Street and Junior College Boulevard. The other associated improvements installation of flap gates at the downstream side of Ahldag Drainage Ditch at Junior College Boulevard.



The existing bridges (Moers Lane, Fulton Street, and Junior College Boulevard) Bridge requires replacement in to span the wider channel. All three (3) bridges will be three-span concrete bridge on drilled piers with 150-foot total span. All bridges are designed as per AASHTO LRFD guidelines and specifications.

**Services:** Kenall provided engineering design services (bridges and roadway) which considered the rehabilitation and replacement of three (3) bridges. Services include but not limited to:

- Site visits, review and document the existing conditions;
- Led the development of the survey, geotechnical investigation;
- Environmental assessment of the project area NEPA;
- Design of roadway pavement including pavement thickness, base material, subgrade stabilization;
- Assessment and inspection of existing bridges;
- Subsurface and surface drainage systems including drainage channels, sump areas, and box culverts;
- Design of ramps for bridges;
- Design of bridges as per AASHTO LRFD and FHWA specifications;
- Roadway pavement condition assessment by visual and using ground penetrating radar (GPR). Approach roads and roads connecting to bridges were assessed using Roadscan and falling weight deflectometer (FWD).
- Drainage asset cleaning , closed circuit television (CCTV) and assessment of drainage structures near bridges;
- Design of vehicular traffic and pedestrian signalization;
- Foundation design of bridges, and construction recommendations;
- Design of road lighting, and associated improvements near bridges;
- Coordination with DOT for permits, access, and Right-of-Entry acquisition;
- Coordination with all the private utilities within the project area;
- Community involvement throughout the design process;
- Coordination with DOT, USACE, and City of Wharton personnel for field work and design process involvement;
- Reviewed construction plans of other disciplines and provided cost estimates for construction line items.

Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was Responsible:
2022	N/A	\$4.5 Million

## 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. 8

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

**Project Name:** RTA Canal Street Ferry Terminal investigation  
**Location:** New Orleans, LA  
**Owner:** Regional Transit Authority (RTA)  
**POC:** Mr. Martin Pospisil, 504-827-8393

#### Nature of Firm's Responsibility:

**Project Scope:** The RTA operates the Canal Street Ferry Terminal, which is at the base of Canal Street, providing ferry access to Algiers on the opposite bank of the Mississippi River. Previously utilized for vehicles, the ferry has since been repurposed to focus solely on pedestrian traffic. The reconfiguration of the terminal has been designed specifically for foot traffic. Thus, all vehicular access functions have been removed. Per the conceptual drawings, the new terminal will include a new dock structure to infill the space between the two neighboring wharf structures where the current ferry terminal is located.



The project consisted of renovations of flood protection system at the ferry terminal, demolition of the ferry terminal building, and construction of a new ferry terminal building with improved landscape architecture to improve New Orleans riverfront at Canal Street and Mississippi river. The project consisted of engineering design services to renovate flood protection system structures that included I-wall, revetments, wharf pavement, road pavement and sidewalks, and new buildings. Some of the stakeholders included US Army Corps of Engineers (USACE), Louisiana Coastal Protection and Restoration Authority (CPRA), Southeast Louisiana Flood Protection Authority (SLFPA), Environmental Protection Agency (EPA) United States Coast Guard (USCG), Federal Transit Authority (FTA), Federal Department of Transportation (FDOT), Orleans Levee District, State Historic Preservation Office (SHPO), Tribal Historic Preservation Office (THPO), Port of New Orleans, and the City of New Orleans.

**Services:** Kenall worked with project design team to plan, model, and design flood protection and green infrastructure facilities. Services include but not limited to:

- Coordinated and led the development of the survey, field investigation;
- Civil Site Designs
- 3 Acres of landscape and hardscape developments;
- Archaeological and desktop survey, cultural and environmental investigation as per SHPO.
- New Pedestrian Gangways and Lighting
- Bus Shelter
- Design of wharf, sidewalks, and ramps with ADA compliance;
- Design of surface and subsurface drainage systems including sanitary sewer, storm drain and channel
- Area Lighting – Decorative Lighting for Canopy and Pedestrian Areas
- Provided geotechnical engineering recommendations including foundation design, stability analysis, seepage analysis, and construction recommendations;
- Assisted in preparing and submitting grant application;

Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$220,000.00

## 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. 9

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

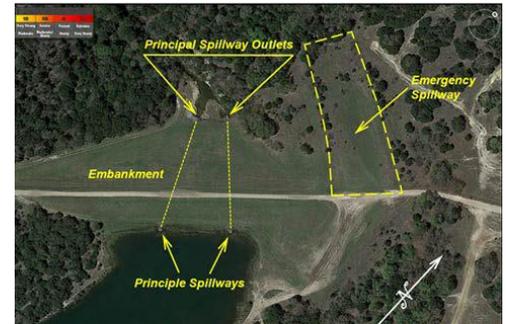
**Project Name:** Alternative Study Dam 1, 46-51 Hydraulic Modeling and Rehabilitation Improvements

**Location:** Fort Hood, TX

**Owner:** USACE Fort Worth District; **POC:** Mr. Ernesto B. Rada, P.E./ 817-886-1723

#### Nature of Firm's Responsibility:

**Project Scope:** Kenall under the contract task order with USACE Fort Worth District to evaluate various alternatives involved in making a decision on the best / most cost effective way to address deficiencies, potential environmental impacts of decommissioning, and rehabilitation alternatives for Dams 1, 46, 46, 47, 49, 50, and 51). These dams are earthen embankments with earthen auxiliary spillways. Four of the dams have concrete principal spillway conduits. Phase 2 studies conducted by FNI in 2016 have found that the dams are hydraulically inadequate and cannot pass the required design storm without overtopping the embankment, which would result in probable dam failure.



**Kenall's responsibilities:** Kenall's scope of services included: lead project management activities including coordinating with the client and subcontractors, scheduling, performing QA/QC reviews and transmittal of all deliverables, and monthly reporting and invoicing; conduct site visits, review and document the existing conditions using photographs; Update design storm, if necessary, due to changes in the probable maximum precipitation (PMP); develop three rehabilitation alternatives to pass the design storm; for NRCS dams, evaluate Natural Resources Conservation Service (NRCS) Technical Release 60 (TR-60) criteria and develop alternative that meets NRCS criteria; develop decommissioning alternative; develop non-structural alternatives to reduce the dams from high hazard to low hazard classification; perform downstream hydraulic modeling for 8 events (2, 5, 10, 25, 50, 100, 250, 500-year) under multiple scenarios: 1) with the existing dams in place; 2) with the dams rehabilitated; 3) with the dams decommissioned; 4) various combinations of rehabilitation and decommissioning; develop interim risk reduction measures to reduce risk prior to dam rehabilitation or decommissioning; perform sediment sampling and characterization of samples; evaluate environmental considerations for each category of alternatives; develop the storm drainage and stormwater pollution prevention plan (SWPPP); develop H&H models using HEC-RAS and HEC-HMS, develop HEC-FDA models for economic impact analysis; preparing construction cost estimates for the alternatives evaluated; respond to comments received from the USACE. CADD system being utilized on this project is AutoCAD 2018, and ArcGIS 10.4 and 10.5 are being used to perform spatial analysis and identify the properties that will be impacted by the potential flood hazards.



Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was Responsible:
August 2018	N/A	\$451,818.85

## 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. 10

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

**Project Name:** Gulf Intracoastal Water Way (GIWW) and Inner Harbor Navigation Canal (IHNC)

**Location:** New Orleans, LA

**Owner:** USACE New Orleans District/ Massman Construction

**POC:** Mr. David Vanheeswijk/ 816-728-4809

#### Nature of Firm's Responsibility:

**Project Scope:** As a result of Hurricane Katrina, USACE New Orleans District authorized the largest design-build civil works construction project to bring a 100-year risk reduction level of flood protection to the City of New Orleans. The Inner Harbor Navigation Canal (IHNC) surge barrier stretches from the south bank of the Mississippi River Gulf Outlet (MRGO) to the north bank of the Gulf Intracoastal Waterway (GIWW) and acts as the first line of defense for New Orleans against hurricane storm surges. Massman Construction Co. is one of the teaming partners for this design-build contract. Challenging conditions included soft and muddy clays deposited by the Mississippi River, which required innovative foundation and structural design. The principal challenges for this project were the very aggressive construction schedule between hurricane seasons, and mobilization for a project of this magnitude. To overcome many of the challenges, floating equipment was used, along with a custom-engineered trestle system supporting the templates and equipment. The Matt Sinking Unit was part of the construction procedures used in this project.

Kenall's responsibilities: Kenall worked as a subcontractor to Massman Construction, providing quality control and construction administration services. Among the challenges Kenall overcame were the mobilization of personnel and equipment on a daily basis using a barge to reach the project location in the Mississippi River, and adapting to the advanced technology, as per the design. Kenall provided three (3) field inspectors for this contract. Kenall's inspectors and technicians provided daily quality control inspections of the concrete, soils, and other related materials.



Completion Date (Actual or estimated):	Estimated Cost	
	Entire Project:	Work for which Firm was Responsible:
August 2018	N/A	\$451,818.85

## 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



**Jefferson  
Parish**

Lafayette, Louisiana

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

### **INTRODUCTION TO KENALL:**

Kenall, established in 2002, is a registered SBA Woman-Owned, and Disadvantaged Business Enterprise having offices in New Orleans, LA and Houston, TX. Kenall is a full-service Civil Engineering, Geotechnical Engineering, Construction Management, Construction Materials Testing, and Environmental services firm that has served Jefferson Parish, City of New Orleans, State of Texas, and construction industry for over 20 years. *The firm is recognized as a specialty Geotechnical Engineering and Construction Material Testing agency having fully equipped and functional laboratories in Harahan, LA and Houston, TX.* We have a qualified staff of registered professional civil/structural engineers, design engineers, geotechnical engineers, geologists, construction inspectors, field and lab technicians, drillers, environmental engineers, and administrative personnel working as a combined team to offer our clients the finest service available. Our inspectors and technicians are certified by the National Institute for the Certification of Engineering Technicians (NICET), American Welding Society (AWS), American Concrete Institute (ACI), and the Department of Health for nuclear gauge safety and operation.

Our team has a proven record of working successfully on federal, state, local government, and private projects. Our outstanding clientele include **Jefferson Parish, City of New Orleans, St. Tammany Parish, Sewerage and Water board of New Orleans, Regional transit Authority (RTA), Louisiana Department of Transportation and Development, Port of New Orleans, USACE, NAVFAC, IBWC, USDA NRCS, City of Houston, City of Sugarland,** and many other private clients.

Client satisfaction, project execution effectiveness, efficiency, and value-added quality services have been the corner-stone staples of the firm since its inception. Of highest concern to Kenall is the accurate and timely performance of all our personnel on all projects in full compliance with our Quality Control program through proper communication, prompt response, and report turnaround with economic efficiency. We also understand that staying within budget is key to each project's success. Cost estimating and control is a process that begins at the earliest stages of project design and continues through completion of the project.

Kenall has **fully-equipped geotechnical and construction materials testing laboratory** in New Orleans and has specialized geotechnical engineering-related certifications including accreditation by A2LA-ILAC/MRA and USACE in accordance with the recognized International Standard ISO/IEC 17025:2005 General Requirements for the competence of testing and calibration laboratories.

**Safety Policy:** The policy of our company is to work safely, and in an effort to assure this objective, each individual employee's conduct and daily work conforms to all applicable safety regulations. Managers and Supervisors understand it to be their responsibility, as representatives of Kenall, to make sure that safety practices are followed. Knowledge of the Safety and Health Regulations for Construction and the Occupational Safety and Health procedures is mandatory. Kenall's safety policy strictly adheres to the USACE Safety and Health Requirements Manual—EM 385-1-1.

Through years of experience, Kenall has in-place processes to manage multiple, technically diverse, A-E projects in geographically dispersed areas. This persistent 17-year record of success is a direct result of having the project management tools and processes in place that constantly evolves with changing technology. Exhibit 1 below provides a summary of select capability to support all phases of project management.

## TEC Professional Services Questionnaire

<b>Exhibit 1: Project Management Capabilities</b>		
Project Function	Description of Approach/Activities	Capabilities to Support
Resource Planning/ Management	<ul style="list-style-type: none"> <li>• PgM and PM meet upon receipt of RFP, review scope, current workload, and capabilities to determine necessary resources</li> <li>• PM selects team members to staff additional requirements</li> <li>• PM estimates activity resources by identifying the type, quantity and characteristics of the resources required to estimate cost and duration</li> </ul>	<ul style="list-style-type: none"> <li>• Resource loaded schedules</li> <li>• Utilization rates and risk register to plan risk responses.</li> <li>• PM software to optimize utilization; algorithm to select team member staff</li> </ul>
Cost Estimating	<ul style="list-style-type: none"> <li>• PM &amp; accounting use contract rates and Level of Effort analysis for each project phase to develop initial labor costs</li> <li>• Using details in RFP for meetings, travel and misc. subcontracts, PM develops cost estimate</li> </ul>	<ul style="list-style-type: none"> <li>• QuickBooks cost management module</li> <li>• Project controls to include spreadsheets, statistical tools, &amp; cost alternatives</li> </ul>
Negotiation & Award	<ul style="list-style-type: none"> <li>• PM leads all negotiations. Upon award, PM prepares budget to input into Quick Books</li> </ul>	<ul style="list-style-type: none"> <li>• Same as cost estimating</li> </ul>
Cost Tracking and Reporting	<ul style="list-style-type: none"> <li>• Project cost control specialist will provide weekly budget updates to PM</li> <li>• PM utilizes Rules of performance (e.g., value management (EVM)) by establishing control and variance thresholds with the goal to plan, structure, and control project costs</li> </ul>	<ul style="list-style-type: none"> <li>• Customized reports to provide cost to date vs budget and variance based on schedule</li> </ul>
Schedule Management	<ul style="list-style-type: none"> <li>• PM with scheduler develops the activity list by defining the activity to establish the schedule in conformance with the project milestones</li> <li>• PM implements critical path/chain method and manages schedule compliance (e.g., variance monitoring, resource balance)</li> </ul>	<ul style="list-style-type: none"> <li>• Primavera P6/ Microsoft Project</li> <li>• Use Monte Carlo analysis software</li> </ul>
Design Review Meetings	<ul style="list-style-type: none"> <li>• PM or Architect (dictated by the facility design) will lead the effort in all design review meetings</li> <li>• Principle objective would be to design each successive deliverable consistent with UFC standards, apply value engineering principles, and optimize cost and deliver per the schedule</li> <li>• Key result of these review meeting(s) is to meet the user requirement at each successive design review within the approved construction cost limit</li> </ul>	<ul style="list-style-type: none"> <li>• Bluebeam's "Revu" collaboration, DrChecks, Shared Zoom©</li> <li>• Lumion for 2D/3D interactive visualization</li> </ul>
Communications & Coordination	<ul style="list-style-type: none"> <li>• PM, as the single POC with USACE, will manage all communication and coordination throughout the TO delivery process</li> <li>• PM, Architect and QCM conducts weekly status review with client team and project delivery team</li> <li>• Capture meeting minutes &amp; circulate to the team</li> </ul>	<ul style="list-style-type: none"> <li>• Share Point</li> <li>• BIM 2D/3D visualization software</li> <li>• Customized and client approved communication means/ plan</li> </ul>
Submittals/ Recordkeeping	<ul style="list-style-type: none"> <li>• All records maintained in the project's cloud-based servers.</li> <li>• Large data files submitted to the client via Safe Access File Exchange (armdec) or FTP</li> </ul>	<ul style="list-style-type: none"> <li>• AWS cloud</li> <li>• Kenall FTP site</li> </ul>

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Version Control	<ul style="list-style-type: none"> <li>• A secured FTP SharePoint site to manage the deliverables for each TO. All information and data received from USACE, and subcontractors will be placed in project-specific folders. As with all of our projects, defined naming conventions will be used to manage file versions, with the PM providing general oversight</li> </ul>	<ul style="list-style-type: none"> <li>• FTP SharePoint</li> <li>• Cloud based server for back-up of large data</li> </ul>
Subcontractor Management	<ul style="list-style-type: none"> <li>• Subcontractors will be given specific scope assignments and will coordinate the delivery of their services with the PM and are required to conform to the project design QC program.</li> <li>• Kenall will execute a formal subcontract agreement that will include FAR and flow-down clauses from the prime contract</li> <li>• During performance of the work, PM will discuss work progress and financial aspects of the work with the sub. If issues arise, corrective actions will immediately be brought to the attention of the subcontractors by the PM and implemented</li> </ul>	<ul style="list-style-type: none"> <li>• Our cloud-based project management tools will be used in managing the PDT tasks and documentation/back-up of deliverables and version controls</li> <li>• RFI management, issues log and project risk management</li> </ul>
Independent Submittal Reviews	<ul style="list-style-type: none"> <li>• Detailed project schedules are developed with time reserved for ensuring that independent quality control reviews are performed with enough time to resolve any issues.</li> <li>• Review process, to include deliverables, schedule, design leads, and independent submittal reviewers</li> </ul>	<ul style="list-style-type: none"> <li>• Documentation of each of the reviews is maintained as part of the project file.</li> </ul>
Quality Management and Quality Control	<ul style="list-style-type: none"> <li>• QC program for this contract will be modeled after ISO9001:2015 and 14001:2015 quality standards, and incorporates the USACE PMBP Reference Document REF8008G, Quality Management Plan, as well as the requirements of ER1110-1-12, Quality Management</li> <li>• QC manager implements design quality mgmt. plan to ensure all quality goals are met</li> <li>• For each TO, Inter-Discipline Review and an Independent Technical Review (ITR) is performed</li> <li>• At the completion of each review, the PM prepares a report in the form of a project memorandum, which summarizes the type and results of the review along with the appropriate signature sheets</li> <li>• ITR-discipline manager selects an appropriate senior staff member based upon experience who has not been involved in the day-to-day production of the task order</li> <li>• Independent technical reviews include a review of calculations, drawings, and specifications</li> <li>• QC manager ensures all design packages meet contract requirements; assures conformance with SOW requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Inter-discipline reviews are performed by a team that includes the PM and the project architects/ engineers.</li> <li>• Design Quality Checklists</li> <li>• BIM Project Execution Plan (BIM PxP)</li> <li>• Bluebeam’s “Revu” collaboration and DrChecks</li> <li>• Executive conference call-in system (GoToMeeting) with video-sharing</li> </ul>

### **Civil and Structural Engineering Services**

Kenall offers civil, structural, hydraulic, geotechnical, environmental, electrical, traffic, transportation, highway and bridge engineers and environmental scientists who are recognized experts in their fields. The firm also employs highly trained hydrologists, cost estimators, urban planners, and landscape architects. Professional services can

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be provided for the complete scope of a project to include the planning, surveying, and design and construction phases. Kenall has a civil and structural engineering team that possesses a lifetime of experience designing flood control structures for the USACE-New Orleans District as well as bridges, box culverts, and overpass structures for LADOTD and local municipalities; major drainage canals; and pump stations.

### **Construction Management, Testing and Inspection Services**

Our Construction management, Testing and Inspection group offers the services of a well trained and experienced staff of technicians, inspectors, and professional engineers backed by a fully equipped and certified CMT laboratory facility. This group provides construction control and inspection services for the entire development of a project to determine conformance to project specifications. These services often involve testing and evaluation of materials and construction procedures to be used on a specific project. The purpose of these services may be to develop design criteria for construction materials, to evaluate strength and other physical and engineering properties of construction materials to be used, to offer engineering advice to develop and/or inspect construction procedures; or to determine the cause of any material failure in the field. QA/QC through construction material testing and inspection provides the documented evidence needed to certify to all concerned that the construction materials and techniques used met the standards specified by the design team.

### **Specialized Construction Services**

With accurate combination of technologies such as Ground Penetrating Radar (GPR), Impact-Echo, Ferroskan, UPV, Windsor Probe, Schmidt Hammer test and others, Kenall has successfully helped engineers determine the actual as-built construction of concrete structures where little or no design information is available. Kenall has been very successful utilizing GPR, Infrared, and Magnetic based methods to image the as-built condition of CMU (masonry) and brick walls. Using in-house developed methodology, this examination has become very efficient allowing thousands of square feet per day to be examined at a fraction of the cost of traditional X-ray methods. We routinely perform ground surveys utilizing technologies such as Magnetometers, GPR, Radio Detection, and EM Surveys. These technologies along with Kenall's methodology provide the best possible information regarding subsurface features such as pipelines, utility conduits, concrete culverts, and Underground Storage Tanks.

### **QUALITY ASSURANCE/ QUALITY CONTROL (QA/QC) PROGRAM**

This section demonstrates Kenall's ability to control and maintain quality throughout the contract, provides standards and procedures used for design review and establishes the responsibility for document review and final deliverables. The specific objectives, related to this QA/QC program, are to:

- Maintain ongoing measures of performance = *strive to provide the best.*
- Provide an independent senior review of technical documents to assure accuracy and acceptability = *high level of corporate involvement without cost impact to the TO.*
- Assure appropriate technical and procedural standards are followed for all design, calculations, drawings, and specifications = *high quality data management assures credible project performance.*
- Identify QA/QC deficiencies and coordinate timely evaluation and resolution = *risk mitigation.*

QA/QC is a vital component of successful project delivery. Although quality control is the responsibility of every staff member on our Team, our PgM will work with our PM and our QA/QC Managers (shown on the organization chart) to provide senior project oversight and implement our quality management processes. Basic components of our *Design Quality Control Plan (DQCP)* include:

- A work order-specific quality control plan for each assignment.
- Formal internal QC reviews conducted for each deliverable and documented by senior staff members representing each discipline involved on a work order.
- QA reviews conducted by senior management of each firm. At a minimum, QA reviews are conducted of each deliverable. Interim QA reviews may be conducted for complex assignments.
- Documentation of lessons learned to help the PDT improve and provide a better product in the future.

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Upon work order award, the PM will work with the Quality Manager to develop a DQCP. The QC process and procedures will be tailored for each work order in this DQCP and is based on Parish guidelines and checklists. The DQCP will identify *design* team members and *review* team members by name according to the disciplines required for that task; establish the performance requirements matrix that organizes objectives, key deliverables, senior staff members responsible for “over the shoulder reviews”, dates for documented QC reviews and schedules QA reviews. Of highest priority is to properly identify and implement the QA/QC Plan to ensure that all site investigations, designs, calculations, drawings, and specifications required by the project are performed and produced in accordance with established quality standards.

In particular, the QC reviews will be conducted and documented for deliverables with focus on compliance with applicable codes and regulations, scope requirements, constructability, and overall quality. The Quality Control Management (QCM) will be conducted with initial, mid, and final deliverables to ensure compliance with the QC process to establish issues (and solutions) that could affect success of the project.

### **SPECIALIZED EXPERIENCE**

#### **Roadway Design**

Kenall has worked with multiple public entities to provide roadway damage assessments and design for the 500 miles of City of New Orleans roads damaged during Hurricane Katrina. With heavy organics, peat and high plasticity clays being prevalent in New Orleans, soils pose unique challenges for the roadway design. Kenall developed a design and construction procedure which allowed the use of high plastic clay fill below pavements and structures and in conjunction with application of geosynthetics and use of stabilization and treatment methods. Kenall Team has extensive roadway design experience with other local government clients and LADOTD. Our team worked on multiple City, Jefferson Parish, City of Kenner, LADOTD, St. Tammany Parish streets and roadway design projects.

#### **Drainage / Hydraulic and Hydrologic Modeling**

Kenall Team provides comprehensive flood plain management, H&H engineering and modeling, coastal engineering, flood protection and drainage planning and engineering services throughout Southern United States. Kenall team is proficient in variety of water resources projects and has experience and expertise in flood plain management, flood control, storm water management/modeling, H&H analyses and Flood insurance study updates and associated grant programs. Kenall routinely utilize a wide variety of hydrologic modeling software including CMS-Flow, CMS-Wave, ADCIRC, Beach-fx, FUNWAVE, Delft3D, AdH, HEC-HMS, HECRAS, HEC-FIA, HEC-RTS, and CWMS for a broad range of projects, with extensive hydrologic modeling experience on some of the most complex water resources, municipal infrastructure, and civil works projects. Clients include numerous municipalities, public works, water management agencies, throughout the Louisiana and Texas. Kenall has developed H&H models for a drainage area of around 100,000+ acres. Kenall’s H&H engineers have experience in using FLO-2D and 3D models.

#### **CDBG and FEMA Experience**

In 2005, Hurricane Katrina came ashore on the Gulf Coast, causing loss of life and tremendous damage to infrastructure. Under the disaster declaration and congressional appropriation, significant funding was made available to units of government for planning, design, and construction/reconstruction of county (parish) and municipal infrastructure systems as well as for infrastructure to support economic development. Funding for these projects is being made available through the Community Development Block Grant (CDBG) program that is administered by the Mississippi Development Authority in Mississippi and the Office of Community Development in Louisiana. Kenall Team has provided planning and design services for a significant portion of this work.

#### **Services During Construction**

Kenall and its’ Team members have provided construction phase services on all the design-bid-build projects when the contract called for it. Some of the services included construction submittals review, shop drawings review, responding to requests for information (RFI) from contractor or Government, site visits, user training, facility

## TEC Professional Services Questionnaire

commissioning and development of operations and maintenance manuals. During the construction phase, our construction services included field observation, inspection, progress meetings and addressing deficiencies.

### FIRM CAPABILITY

Kenall has provided **engineering design services** for several federal, state, city, and private clients over the last 17 years. We have designed large, complex projects and have extensive experience with the unique tools, systems and standards needed to successfully execute them. Our team knows how to find better, faster, and more cost-effective solutions to facility needs. Kenall has the project management and technical resources necessary to support multiple, concurrent tasks that might be issued under this project.

Kenall offers, best-in-class civil engineering and inspection services, with unique local experience. We have successfully completed similar projects in the past and is confident that it has formed a comprehensive, deep bench strength and technically focused dream-team with unsurpassed qualifications to perform all the work items anticipated under this project. Roles within Kenall are clear and technically specific. We are confident in the depth of local experience of our team. The proposed team has an unsurpassed ability to plan and execute the tasks required by Jefferson Parish as part of this project. Our personnel are also very proficient with the interpretation and use of USACE technical manuals and publications and HSDRS Design Guidelines. Our interpretation of these documents and past experience will provide an advantage in streamlining technical applications for technical challenges.

### Professional training and experience

Our key staff was selected based on the geotechnical engineering and laboratory testing experience, infrastructure and facility integration, leadership skills, flexibility, and overall problem-solving ability. The resumes included in Section-K describe our professional qualifications in detail and illustrate our capacity to provide the level and volume of staffing required for this contract. These personnel were specifically chosen because of combination of their technical expertise, local knowledge and experience working on geotechnical engineering and testing projects.

**Section-L** (Projects section) demonstrates the Kenall's experience and technical competence required by Jefferson Parish under this contract. The members of the Kenall team have a proven record of working together successfully on local government projects and private projects for clients including Jefferson Parish, City of New Orleans, Sewerage and Water Board, Regional Transit Authority, Port of New Orleans etc.

### Size of the firm

With more than 100 years of combined experience with local, state, and federal governments, Kenall has highly qualified team of registered professional engineers, construction inspectors, certified field and laboratory technicians, and administrative personnel. Kenall has in-house capacity to perform laboratory services for inspection of materials and equipment. **Kenall currently employs 47 staff members** in various disciplines and the list of personnel by discipline is mentioned in Section-E. Resumes of the key personnel who would be involved in this project are listed in Section-K. These personnel were specifically chosen because of their technical expertise, local knowledge and experience working on geotechnical engineering and testing projects.

### Capacity for timely completion

For high-quality, defect-free project delivery at an optimal productivity and effectiveness, Kenall understands that a precise supply of required elements of staff, equipment and tools has to be made available to the project at the appropriate time and in desired quantity and quality. Section-E demonstrates that we possess the **necessary staffing and resource capacity** for the timely response and completion for any and all laboratory services that the Jefferson Parish may require. Committed to providing the necessary staff and equipment for any situation, we stand ready to meet or exceed all goals of every client, in a timely and efficient manner. It is a requirement that the team accomplishes projects within the stipulated deadline and often ahead of schedule. We

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will not only have the ability to meet regular and routine demands under the contract, but we have reserve capacity to meet “surge” workloads that may be required.

### **Personnel Management:**

As an integral elements of project delivery strategy, IQC officer maintains a 2-deep plan, in which for every activity, there are two staff members trained and equipped to perform any job function. If there are any staff and/or equipment gaps for this contract, appropriate staff and equipment will be shifted from our Houston offices. All our key personnel will have back up strength and for completely unexpected emergencies, Kenall also maintains very successful business networking with other engineering consulting firms of similar expertise, and it obtains qualified temporary staff.

### **Present Workload:**

We understand that Parish relies on a firm with the capacity, experience, and availability to complete assignments on time and in accordance with project requirements. Kenall will be responsive to the project needs by providing a cohesive team with required green infrastructure design experience so that there is no learning curve to meeting project objectives. Prior to receiving a Work Order, Kenall conducts a comprehensive assessment of our Project Managers and technical staff along with the team members. We successfully meet aggressive schedules by identifying the right resources to complete multiple assignments simultaneously and by actively engaging with personnel to ensure efficient use of their time on assignment is maximized, whether in the field or in the office. Kenall Team has a Bench strength of over 100 professionals, and an existing presence in New Orleans.

We recognize that this SOQ contract will require concurrent task management, accelerated schedules, and possibly fluctuating staffing resource needs. Kenall will ensure responsiveness and effective management of tasks and staffing needs through a solid project management team, combined with a strong core of engineering and design support.

Kenall and proposed team members disciplines for the SOQ is currently working on few projects with average completion of about 75% and their workload is about an average of 20%. Based on this information, Kenall and team members key personnel are available to accommodate any related services. Kenall and its team members frequently works as a prime or subconsultant on design, landscape architecture and planning projects for either a stakeholder or as its end-user agency. We are fully committed to each project we take on and are comfortable juggling multiple project priorities and deadlines. Kenall understands the Parish project priorities and goals and supports their commitment to building and implementing green infrastructure projects. Kenall and its team members has a proven record of addressing the Parish design concerns and time constraints.

### **Past Performance**

Kenall team has a proven record of working successfully on similar projects (contract value ranging \$20,000 - \$1,000,000) with local, state, federal government agencies including Jefferson Parish, City of New Orleans, St. Tammany Parish, Sewerage and Water board of New Orleans, Regional transit Authority (RTA), Port of New Orleans, Louisiana Department of Transportation and Development, USACE, City of Houston, Texas, NAVFAC, IBWC and many other private clients in the past 10 years. **List of relevant past and current similar projects are mentioned in Section-L of this form.**

Kenall strictly believes to adhere to the following tasks in the execution of every project: *Compliance with contract and task order term; Quality of work; Adherence to schedules; Cost control; Communication; Issue resolution*

### **Office location**

Kenall is recognized as a specialty Geotechnical Engineering and Material Testing agency having an office and fully equipped and functional laboratory in **New Orleans, LA**. Our team has extensive knowledge of state/ federal regulations, codes, policies, familiarity with the operations in parish/ county levels and a deep

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understanding of local stakeholder issues unique to the New Orleans region and extensive experience in facilitating the consensus necessary for project success.

### **Adversarial legal proceedings with Parish**

Kenall has **NO** adversarial legal proceedings with the Parish in the past.

### **KNOWLEDGE OF LOCALITY**

The Kenall New Orleans office is located within 10 miles of the City of New Orleans. Most of the team members have offices located within the vicinity of the City of New Orleans and/or in the great state of Louisiana. The team has a significant working history with the City. All the Kenall team members are located within 25 miles of the City and our team was specifically assembled to allow us to serve the City with efficient engineering design and construction administration services.

#### **Marsh Terrain**

The staff of the Team Kenall is very familiar with working in marsh terrain. This extends from sensitive shallow water habitats and estuarine areas along the coast to high salt marsh to inland (riverine) freshwater wetlands. Our team members have experience on projects in areas similar to the types of marsh terrain found along coastal Louisiana.

#### **Hurricanes**

Team Kenall is very experienced with planning and design projects near coastal areas that must take hurricane-related winds and flooding into consideration. Our team capabilities for emergency planning, knowledge of maintenance requirements for water resource and coastal structures, and engineering support during emergency response operations following hurricanes will provide the New Orleans District with a valuable resource. With offices in New Orleans, we are positioned to provide vital services where and when needed to support Louisiana residents before, during, and after hurricane emergencies. Kenall team members have been part of the work associated with the Hurricane Katrina aftermath including engineering consultant, rehabilitation and new design, and peer reviews.

#### **Corrosive Atmospheres and Conditions**

The highly corrosive environment where marine structures exist must be addressed in order to prevent costly maintenance and loss of service life. To some extent, a good quality control system used during design and construction can limit some common problems with corrosion of reinforcing steel in concrete structures. Concrete with high permeability can be avoided with the addition of concrete admixtures appropriate for marine structures. This is true for structures with both direct and indirect exposure to seawater. Assuring proper clear coverage's during design and construction can also limit the effects of salt and moisture on the reinforcing steel. Since this is critical for a structure with low maintenance costs and a long and safe service life, our engineers make frequent and thorough inspections during the construction phase. These approaches are used in all of our marine projects. Additionally, long-term corrosion control can include cathodic protection and engineering coating systems to effectively limit corrosion of steel structures and reinforcing. Systems using both sacrificial (galvanic) and impressed current anodes have been incorporated into projects that Kenall team engineers have completed.

#### **Flooding**

Team Kenall has extensive experience in the design and analysis of flood control and flood mitigation design. Kenall team has completed numerous drainage and flood control reduction projects in Louisiana and Texas

#### **Geologic Features, Environmental Conditions, and Climatic Conditions**

Team Kenall has performed geologic and geotechnical investigations throughout the Gulf Coast Region for federal, state, and local governments, as well as municipal and water/river authorities. Our geologists, geotechnical engineers, and scientists are familiar with groundwater resources, rock formations, and soil conditions throughout the potential service area for this RFQ.

#### **Permitting**

Our team members have worked with federal and state environmental regulatory agencies with potential jurisdiction over projects throughout the State of Louisiana, New Orleans, and USACE, including the U.S. EPA, and as well as state environmental agencies

## TEC Professional Services Questionnaire

### Local Construction Methods

Team Kenall members have provided construction management services for federal, state, and municipal clients across the Gulf Coast and the U.S. since 1894. Our inspection team engineers are familiar with regional construction methods and associated costs as well as alternate project delivery methods used in various locations.

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



Signature: \_\_\_\_\_ Print Name: **Mr. Krishna D. Prasad, PE**

Title: **President** Date: **06/21/2024**



Jefferson  
Parish

Jefferson Parish  
Louisiana