

PARISH OF JEFFERSON

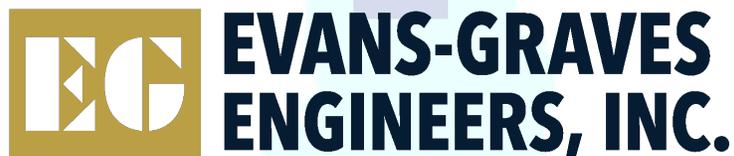
STATEMENT OF QUALIFICATIONS

FOR

ROUTINE ENGINEERING SERVICES FOR DRAINAGE PROJECTS

*RESOLUTION No. 138811
SOQ 22-011*

SUBMITTED BY:



909 POYDRAS STREET, SUITE 3050
NEW ORLEANS, LOUISIANA 70112

March 31, 2022



EVANS-GRAVES ENGINEERS, INC.
Engineering Consultants
Est. 1954

John A. Graves, P.E., P.L.S. (1941-2021)
Ashlyn A. Graves
Gerald G. Menard, P.E.
L.R. "Eric" Erikson, P.E.
P. Stephen Lundgren, Jr., P.E.
Jack Carr Morgan, P.E., P.L.S.
Max O. Usrey, III, P.E., P.L.S.
Keith M. Meyer, P.E.

Lisa A. Blanchard, P.E.
Brett D. Blanchard, P.E., L.S.I.
Stephen E. Wilson, Jr., P.E.
Robert H. Brooks, III, P.L.S.
Kevin D. Norman, P.L.A.
Logan P. Betzer, E.I.
Alexander J. Young, E.I.
Zachary P. Hebert, E.I.

March 31, 2022

Jefferson Parish Council
c/o Ms. Eula A. Lopez, Parish Clerk
General Government Building
200 Derbigny St., Suite 6700
Gretna, LA 70053

Re: Letter of Interest
Routine Engineering Services for Drainage Projects
Resolution No. 138811

Dear Ms. Lopez:

Evans-Graves Engineers, Inc. (EG) is pleased to submit our Statement of Qualifications in response to Jefferson Parish's solicitation requesting professional engineering services for **Routine Engineering Services for Drainage Projects** (Resolution No. 138811).

Within this submittal of qualifications, EG demonstrates that we have the required personnel, experience, Jefferson Parish knowledge, and presence to deliver a quality project. Evans-Graves Engineers, Inc. will comply with the terms specified in the RFQ and is qualified to complete all tasks associated with this type of work.

Evans-Graves will staff this project with many of the same personnel that successfully completed the projects listed in our Statement of Qualifications, Section L. Mr. P. Stephen Lundgren, Jr., P.E. will be the Senior Project Manager. Mr. Lundgren is Chief Engineer of our New Orleans office and is an experienced Project Manager on projects similar to this.

Evans-Graves hereby commits its total resources and 68 years of experience to provide you with a successful project. Evans-Graves appreciates the opportunity to respond to Jefferson Parish and we look forward to working with you on this important work for the Parish.

Sincerely,
EVANS-GRAVES ENGINEERS, INC.

Ashlyn A. Graves
President

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Drainage Projects
Resolution #138811

B. Firm Name & Address

Evans-Graves Engineers, Inc.
909 Poydras Street, Suite 3050
New Orleans, LA 70112

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:

Gerald G. Menard, P.E.
Principal
9029 Jefferson Highway, Suite 200
Baton Rouge, LA 70809
(225) 926-1620
gmenard@evans-graves.com

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

P. Stephen Lundgren, Jr., P.E.
Chief Engineer
909 Poydras Street, Suite 3050
(504) 836-8190
slundgren@evans-graves.com

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> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>7</u> Civil Engineers	<u> </u> Interior Designers	<u>2</u> Project Managers
<u> </u> Construction Inspectors	<u>1</u> Landscape Architects	<u>4</u> Clerical
<u> </u> Ecologists	<u>6</u> Land Surveyor	<u>1</u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u> </u> Environmental Engineers	
<u>1</u> Professional Land Surveyors		<u>30</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.

2.

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

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Should subcontractors be necessary, Evans-Graves will consult with the Administration regarding the selection of such.	N/A	N/A
2.		
3.		

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

12

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:

Please see attached resumes for Professional in Charge as well as Key Personnel.

Project Assignment:

Name of Firm with which associated:

Years' experience with this Firm:

Education: Degree(s)/Year/Specialization:

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:

TEC Professional Services Questionnaire

PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title: P. Stephen Lundgren, Jr., P.E., Deputy Chief Engineer
Project Assignment: Sr. Project Manager
Name of Firm with which associated:  EVANS-GRAVES ENGINEERS, INC.
Years' experience with this Firm: 17
Education: Degree(s)/Year/Specialization: Bachelor of Science / 1992 / Civil Engineering Master of Science / 1993 / Civil Engineering
Active Registration: Year first registered/discipline: 1999 / P.E. / Civil Engineer LA License No. 28222
Other experience and qualifications relevant to the proposed Project: <p>Mr. Lundgren is a civil engineer with a focus on site development, drainage design, roadway design, utilities, and hydrologic and hydraulic design. He has over 30 years of experience working closely with government agencies, having developed engineering reports, Master Plans, and construction plans and specifications for various site improvement projects, including pump stations, detention ponds, canal/culvert improvements, and basin-wide hydrologic and hydraulic modeling, analysis, and design.</p> <p><u>Mitigation of Outfall Canal Erosion – London Avenue, Orleans Avenue, and 17th Street Canals, New Orleans, LA</u> - Evans-Graves was selected by SLFPA-E for engineering services involving studies, alternatives analysis, permitting, design, and construction administration of a recommended mitigation project to address canal soil erosion in areas of the 17th Street Canal, Orleans Avenue Canal, and London Avenue Canal. A total of approximately 34,000 linear feet (6.4 miles) of canal erosion improvements are being made by armoring the canal banks with crushed stone placed inside of a confined cell geogrid material over geotextile fabric along the rebuilt canal earthen side slopes. This method of slope protection was determined to be the least intrusive, most effective, and most cost-efficient mitigation project after consideration was given to 8 alternate options in a design study. The construction cost estimate for the project is \$3.4 million. Mr. Lundgren currently serves as PM for this IDIQ type contract.</p> <p><u>St. Charles Parish East Bank Master Drainage Plan, St. Charles Parish, LA</u> - Project Manager for task-order driven project involving “as-needed” projects pertaining to drainage issues on the East Bank of St. Charles Parish. Since 2008, Evans-Graves Engineering, Inc. has undertaken task orders involving the following: six separate design/construction projects involving drainage control structures (pumps, gates and culverts); three separate projects for earthen canal bank stabilization using geotextile fabric and geogrid with riprap for erosion control on an excavated and shaped stable slope; multiple joint coastal use permits and corps permits for canal cleaning, drainage maintenance, and associated work in wetlands and coastal areas; investigations, evaluations and analyses of neighborhood-scale flooding and drainage issues; and investigation and research into certifying parish-owned levees for FEMA accreditation, as a result of FIRM Map revisions.</p> <p><u>Dunleith Canal Stabilization Project, St. Charles Parish, LA</u> – Prime consultant, Project Manager, and lead design engineer for seven separate task orders initiated since 2008 for design/construction projects involving stabilization of failed open canal banks in sensitive residential areas next to a power line corridor. This work has included the design, permitting, bidding, construction administration, and resident inspection for 6,190 linear feet of sheet pile wall installation ranging from 30- to 45-feet long, all at a cost in excess of \$8 million. The resultant sheet pile wall has stabilized the Dunleith Canal bank behind over 100 residential properties, provided a more hydraulically-efficient channelization of stormwater in the Dunleith Canal flowing to the Pump Stations, and provided a smooth accessible area for Parish maintenance of the canal and levee.</p> <p><u>Hill Heights Drainage Improvements, St. Charles Parish, LA</u> - Mr. Lundgren served as Project Manager and lead design engineer for the design of drainage improvements and erosion control measures along canal banks bordering private residential lots in the Hill Heights subdivision of St. Charles Parish. Services performed by Mr. Lundgren include survey oversight, permitting, preliminary and final plans and specifications, and construction administration. Mr. Lundgren’s design improvements for the canal banks re-routed an interior Parish-owned and maintained earthen drainage canal in order to form a more hydraulically-efficient transition at the intersection of two interior drainage canals.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jack Carr Morgan, P.E., Deputy Chief Engineer

Project Assignment:

Deputy Project Manager

Name of Firm with which associated:

EVANS-GRAVES ENGINEERS, INC.

Years' experience with this Firm: 21**Education: Degree(s)/Year/Specialization:**

1977 / Professional Civil Engineer

Active Registration: Year first registered/discipline:

1984 / P.E. / Civil Engineer LA License No. 28625

2021 / P.L.S. / Professional Land Surveyor LA License No. 5266

Other experience and qualifications relevant to the proposed Project:

St. Charles Parish Urban Flood Control Study, St. Charles Parish, LA - Evans-Graves and USACE jointly developed the Urban Flood Study, which included **all interior drainage for the St. Charles Parish Hurricane Protection Levee (HPL)**. Mr. Morgan, as **Project Manager**, conducted the **HEC2** and **HEC-RAS** analyses to size the original **pump station**, then included that work in the **HEC-RAS** and **FLO2D** Urban Flood Study that covered all of the East Bank of the Parish. This work was later included in the **IPET model**, and is the basis for the pump stations' **benefit:cost analysis**. The project includes a **Feasibility Study** to install as many as **five new drainage pump stations** in the east bank of St. Charles Parish HPL to control local protected-side flooding. Mr. Morgan designed three of the stations for a total maximum capacity of 2.2 billion gallons per day. A 200- foot portion of the HPL was replaced with tee-walls. Total construction cost is estimated to be \$60,000,000. Construction funding is from public and private sources.

Ormond/New Sarpy Interior Drainage Study, St. Charles Parish, LA - Mr. Morgan is the **project manager** on a **comprehensive drainage study** of the area enclosed by ring levees that are currently being analyzed for **FEMA certification**. The study consists of an area of **2200 acres** of fully developed mixed use land. The existing drainage system being modeled includes **250 drainage areas** with **300,000 feet of pipe**, **140,000 feet of ditches and canals**, **700 manholes**, **2600 catchbasins**, **20 detention basins**, and **four pump stations**. The project utilizes **high-resolution LIDAR** and **aerial photography**, **field surveying**, **as-built plans**, **prior studies and reports**, and **first-hand observations**. The final report will be presented to FEMA to **delineate flood boundaries** inside the ring levee.

LA 45 Drainage Improvements, Lafitte, LA - Mr. Morgan serves as the **Project Manager** and **lead design engineer** for the design of drainage improvements in Lafitte, LA to address potential impacts from proposed tidal protection efforts that are to be constructed in the area. Mr. Morgan conducted a **survey gap analysis** of the approximately 250 acre affected area, developed **hydraulics & hydrology (H&H) models** for both existing and future conditions, developed **preliminary and final plans** (including **drainage maps**), produced **ditch and storm sewer plans** and **profiles**, and performed **pump station design**.

LBBLD Pump Station and Drainage Canals Evaluation, St. Bernard Parish, LA - As the **Project Manager** and **lead design engineer**, Mr. Morgan performed **site visits**, **records research**, and **visual inspection** as part of EG's total evaluation of **eight (8) drainage pump stations** and approximately **56 miles of drainage canals** in St. Bernard Parish. For the canals assessment, Mr. Morgan, as a **licensed drone pilot**, developed **flight plans** for each canal to capture images from two (2) independent flight paths and compiled all drone images into an **ESRI ArcGIS database** that allowed for the rapid and efficient observation of the canals based on the image's mapped location. Mr. Morgan summarized his assessment of the pump stations and canals into two (2) separate reports. Report findings included **recommendations** to correct identified deficiencies and associated **cost estimates** developed by Mr. Morgan for the identified repair work.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Keith M. Meyer, P.E., Civil Engineer

Project Assignment:

Civil / Structural Engineer

Name of Firm with which associated:

EVANS-GRAVES ENGINEERS, INC.

Years' experience with this Firm: 17**Education: Degree(s)/Year/Specialization:**

B.S. / 1985 / Civil Engineering

Active Registration: Year first registered/discipline:

1992 / P.E. / Civil Engineer LA License No. 24638

Other experience and qualifications relevant to the proposed Project:

Mr. Meyer has over 44 years of experience in the Civil Engineering field. His experience includes:

Mitigation of Outfall Canal Erosion (London Avenue, Orleans Avenue, and 17th Street Canals) – New Orleans, LA – Project Engineer for the design of canal soil erosion improvements for areas of the 17th Street, Orleans Avenue and London Avenue Canals. Approximately **30,000 linear feet (5.7 miles) of canal erosion improvements** are being made using **Geogrid Panel Slope Protection** with crushed aggregates placed inside of the geogrid panel slopes. Responsibilities included the **Geocell Anchoring Design** considering Embankment Soil Conditions, Determination of Safety Factors using Geocell Anchor System, **Shear Design** of Anchoring, Stop Sleeve Spacing of Geocell Loads, Tendon Spacing, **Geogrid Reinforcement** and **Soil Anchoring Design**. Utilizing the land armoring for the erosion control solution is in the final design stages and is estimated to cost \$2.7 million.

Repair of St. Bernard Parish Stormwater Pump Stations – St. Bernard, LA – Project Manager and engineer of record for the repair of **3 storm water drainage pump stations** and the design and replacement of **5 drainage pump stations** damaged and/or destroyed by Hurricane Katrina all in accordance with **FEMA guidelines**. Funded by the Federal Emergency Management Administration (FEMA) and administered by the St. Bernard Parish Government, Mr. Meyer was responsible for developing **plans** and **specifications** and the **monitoring of construction** for the repair and/or replacement of the eight (8) storm water drainage pump stations. Total project cost: \$3.21 million.

St. Charles Parish Urban Flood Control Study, Walker/Almedia Pump Station – St. Charles Parish, LA – Project Engineer responsible for the **structural design** of the entire 40' x 180' facility **substructure (foundation)** and **structural supports** for the **6 – 250 cfs (pumps) pumping station**, with 6 - 72" diameter discharge lines with 30 pile supported bents with capbeams, and the structural design of the **inverted "T" floodwall stem and base slab** in accordance with the **US Army Corps of Engineers guidelines**.

Oak Street Pump Station Improvements, St. Charles Parish, LA – Structural Engineer for the design of **capacity improvements** to the existing Oak Street Pump Station in St. Charles Parish. Mr. Meyer assisted with the preparation of **conceptual plans** including **schedule** and **cost estimate** development, design of **preliminary** and **final plans** and **specifications** for the replacing of one (1) 24" pump with a 36" pump with associated discharge piping upgrades, and **permitting services—including the permitting of a utility crossing under the Canadian National Railroad**. Additional services performed included **construction administration**.

Schexnaydre Pump Station Improvements, St. Charles Parish, LA – Structural Engineer for the design of **capacity improvements** to the existing pump station. Mr. Meyer assisted with the design of **preliminary** and **final plans** and **specifications**, **bidding**, and **construction administration** activities.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Logan P. Betzer, E.I., Engineer Intern

Project Assignment:

Engineer Intern

Name of Firm with which associated:

EVANS-GRAVES ENGINEERS, INC.

Years' experience with this Firm: 1**Education: Degree(s)/Year/Specialization:**

B.S. / 2019 / Civil Engineering

Active Registration: Year first registered/discipline:

2020 / E.I. / Engineer Intern LA License No. 34614

Other experience and qualifications relevant to the proposed Project:

Jones Point – Trahan & Jones Point Pump Stations – Jefferson Parish, LA – Mr. Betzer serves as an Engineer Intern on this project, which involves the design of **two drainage pump stations** and **generators** in the Jones Point area of Lafitte. Services performed by Mr. Betzer have included **preliminary research of drainage patterns** in the area.

Read Blvd. East Neighborhood – New Orleans, LA – Mr. Betzer serves as an Engineer Intern on this project, which involves the removal and reconstruction of heavily-damaged areas or repairs, adjustments, and modifications to lightly-damaged areas in the Read Blvd. East neighborhood of New Orleans. Services performed by Mr. Betzer have included **checking and review of surface drainage calculations** as part of the firm's design for the repair and/or replacement of approximately 7 miles of roadway. This work is being performed for the City of New Orleans, DPW and is funded by FEMA.

Correction to Pavement Settlement on Remain Over Night (RON) Apron, Kenner, LA – Mr. Betzer serves as an engineer intern on this project, which involves the installation of **drainage structures** to **eliminate runway apron flooding** due to **differential settlement**. Services performed by Mr. Betzer have included **drainage design** and preparation of **preliminary reports, plans, and specifications**. Total Fees: \$28.2K

Cambridge #2, Cambridge #3, and Ned Duhe Lift Stations – St. John the Baptist Parish, LA – Mr. Betzer serves as an Engineer Intern on this project, which involves the **rehabilitation of one** and **design of two sewer lift stations** in the LaPlace and Garyville areas of St. John the Baptist Parish. Services performed by Mr. Betzer to date have included **site visits, preliminary geometric design** of the lift stations, **flow demand calculations, and plan production**.

Hurricane Ida Damage Assessments of Twelve Facilities – Town of Jean Lafitte, LA – Mr. Betzer, serving as an Engineer Intern, performed **damage assessments** of all facilities owned by the Town of Jean Lafitte following the destruction of Hurricane Ida. A total of 12 facilities were assessed. Mr. Betzer's duties included performing **preliminary site surveys, documenting** all damages incurred at each facility, researching and accurately **documenting pre-storm conditions** for each facility, and filling out **FEMA Project Worksheets** that will be used to apply for FEMA funding for the repair or replacement of each damaged facility.

Goose Bayou Storm Risk Reduction, Lafitte Tidal Protection Program – Town of Jean Lafitte, LA – Mr. Betzer serves as engineer Intern on this project, which involves the **schematic design and permitting** of a tidal protection bulkhead along Bayou Barataria within the Goose Bayou (Penn Levee) Basin. Services performed by Mr. Betzer have included **field reconnaissance, plan production, and cost estimate preparation**. Total Estimated Construction Cost: \$18MM

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Lee Z. Walker
Project Assignment: Environmental Specialist
Name of Firm with which associated:  EVANS-GRAVES ENGINEERS, INC.
Years' experience with this Firm: 16
Education: Degree(s)/Year/Specialization BS / 1999 / Ecology, Evolution and Organismal Biology MS / 2003 / Environmental Studies Post-Graduate / 2003 / Riparian Ecology and Conservation
Active registration: Year first registered/discipline: N/A
Other experience and qualifications relevant to the proposed Project: <p>Ms. Walker has over 19 years of experience in project management; NEPA environmental compliance; Environmental Assessments; Section 10, 401, 404, and 408 permitting for local agencies, state agencies and private entities; Coastal Use permits and Coastal Zone Management Consistency Determinations, Endangered Species Act; National Historic Preservation Act; technical report writing, coordination, environmental scopes of work, budgets for environmental activities; and schedule development.</p> <p>Falgout Canal Floodgate, Dredging and Disposal – Theriot, LA – Ms. Walker, as Environmental Specialist, was responsible for modifying an existing permit to secure permit approval for the dredging of 44,000 cubic yards of material from the Falgout Canal and using the dredged material to beneficially create a marsh platform in an adjacent open water area. The project was performed on an accelerated schedule as the need for the permit modification came in the middle of an active construction project as the result of a change order due to previously unknown geotechnical conditions.</p> <p>USACE Environmental and Regulatory Compliance Support, HSDRRS – New Orleans, LA – Ms. Walker was responsible for managing the environmental compliance program for Hurricane and Storm Damage Risk Reduction System (HSDRRS) projects, serving on the Project Delivery Team (PDT) for the Levees and Floodwalls program in Jefferson, Orleans, and St. Bernard Parishes, Inner Harbor Navigation Canal, Permanent Protection System for the Outfall Canals, and Existing Pump Station Repair and Storm Proofing projects. As the environmental representative on these PDTs, she was responsible for maintaining open lines of communication with the program execution branch and project management staff to obtain project information, provide technical input on designs to minimize environmental and human impacts, and ensure environmental compliance. She was also responsible for maintaining project schedules and reporting schedule milestones and progress to the project managers and Hurricane Protection Office (HPO) and New Orleans District Commanders, providing technical input as to how environmental compliance and permitting could impact cost, schedule, design, and project execution. She was responsible for preparation of environmental reports such as NEPA documents (as per 40 CFR Part 1500), 404 (b)(1) evaluations, Endangered Species Act coordination letters, Notices of Intent for coverage under NPDES permits, applications for Water Quality Certifications, and Coastal Zone Management Plan consistency determinations. She was responsible for Bidability, Constructability, Operability and Environmental Compliance review of plans and specifications to ensure that the HSDRRS projects maintained their environmental compliance.</p>

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Charles Parish East Bank Master Plan and Drainage Canal Stabilization Project St. Charles Parish, LA St. Charles Parish, DPW 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	For over 12 years, Evans-Graves, as the prime consultant, provided project management, permitting, engineering design, construction administration, and construction inspection services to St. Charles Parish. Tasks completed included projects involving: drainage control structures (pumps, gates, and culverts); earthen canal bank stabilization and erosion control; and studies and investigations into neighborhood-scale flooding and drainage issues. Work included associated permitting for canal cleaning, drainage maintenance, and work in wetlands and coastal areas.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$5,700 (thousands) (Construction)	\$620.3 (in thousands) (EG Fee)

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LA 45 Drainage Improvements Jefferson Parish, LA Lafitte Area Independent Levee District (LAILD) 2654 Jean Lafitte Blvd. Lafitte, LA 70067 Mayor Tim Kerner, Jr. (504) 233-1109	Prime consultant providing professional services to improve drainage for approximately 250 acres of mixed development and marsh in Lafitte, Louisiana. Designed features include gravity drainage improvements along LA 45 and at Bayou Barataria, and three (3) new pump stations along the proposed earthen back levee east of and parallel to LA 45. Evans-Graves conducted a survey gap analysis prior to development of Hydraulic and Hydrologic (H&H) computer models to test both existing and future conditions. Work includes preliminary and final plans and bid and construction phase services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$418.8 (in thousands) Consultant Fee	\$418.8 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Hill Heights Drainage Improvements St. Charles Parish, LA St. Charles Parish, DPW 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Prime consultant for the design of drainage improvements and erosion control measures along canal banks bordering private residential lots in the Hill Heights subdivision of St. Charles Parish. EG's design improvements re-routed an interior earthen drainage canal to form a more hydraulically-efficient transition at the intersection of two interior drainage canals. Erosion control measures consisted of 6" thick crushed stone material contained in a cellular geotextile web placed over geotextile fabric along the canal banks. This design protected private property from further erosion due to the fast-flowing water in the canal during periods of peak flow. EG performed survey oversight, permitting, preliminary and final plans and specifications, and construction administration services.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015 (A)	\$123 (in thousands) (Construction)	\$18.8 (in thousands) (EG Fee)

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Charles Urban Flood Control Study St. Charles Parish, LA Pontchartrain Levee District / St. Charles Parish DPW Mr. Ricky Bosco (225) 869-9721	Evans-Graves performed a Feasibility Study to identify and evaluate possible alternatives available for reducing flood damages associated with rainfall within the East Bank of St. Charles Parish. EG performed a detailed hydraulic analysis of the area using HEC-RAS, HEC-HMS, and GEO-RAS H&H models developed by the firm. Following the results of the Feasibility Study, Evans-Graves prepared construction documents for four (4) separate drainage pump stations--three (3) of which were constructed. All pump stations were designed in accordance with USACE design criteria. Additional work has included bidding, construction administration, and preparation of O&M manuals for the new pump stations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$27,500 (in thousands) (Construction)	\$6,300 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Oak Street Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Evans-Graves, as the prime, designed capacity improvements to the existing Oak Street Pump Station, which serves a residential neighborhood on the Parish's East Bank. EG performed an engineering and hydraulic study of the project area to determine if the existing pump station was hydraulically capable of handling a 10 year storm. EG delineated the pump station's drainage area, determined the peak flowrate, and prepared a conceptual plant to expand the pump station including SOW, cost estimate, and schedule. The study led to the design of capacity improvements, which included preliminary and final plans and specifications, permitting (including the Canadian National Railroad), and construction administration.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$959 (in thousands) (Construction)	\$89.1 (in thousands) (EG Fee)

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sunset Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Prime consultant for pump station improvements to prevent potential flooding in the area being caused by the back up of the existing pumps during intense rainfall events. The original capacity of the pump station was not able to handle the increased flow from additional developments and increased runoff flows in the supported areas. Improvements included 2 additional 30" pumps with discharge piping and replacing the station's deteriorated erosion control structure with new riprap. EG produced plans and specifications for construction and was responsible for the permitting and construction administration for the project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 (A)	\$1,050 (in thousands) (Construction)	\$89 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Schexnaydre Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Prime consultant responsible for the design of capacity improvements to the existing drainage pump station in New Sarpy, LA. Designed capacity improvements include the replacement of one (1) 30" stormwater pump with one (1) new 48" pump on the existing pump station slab with associated discharge piping upgrades. Evans-Graves was responsible for preliminary and final design of all improvements, plans and specifications for construction, permitting, bidding, and construction administration services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (A)	\$896.5 (in thousands) (Construction)	\$68.6 (in thousands) (EG Fee)

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
SLFPA-E IDIQ for Drainage Engineering Services Jefferson, Orleans, and St. Bernard Parishes, LA SLFPA-E 6920 Franklin Avenue New Orleans, LA 70122 Mr. Chris Humphreys (504) 286-3100	Evans-Graves, as the prime consultant, performed as-needed drainage engineering services under an IDIQ contract with SLFPA-E. Under this contract, Evans-Graves determined the source and cause of underground water seepage occurring between Lake Borgne and drainage pump stations #1 and #6 in St. Bernard Parish. EG performed on-site investigations and an alternatives analysis to evaluate potential ways to stop the seepage from Lake Borgne and presented the identified alternatives to SLFPA-E for consideration.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 (A)	\$500 (in thousands) (NTE)	\$10 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Engineers Canal Pump Station Improvements St. Charles Parish, LA St. Charles Parish Government 100 River Oaks Drive Destrehan, LA 70047 Mr. Miles Bingham (985) 783-5102	Evans-Graves, as the prime, designed capacity improvements to an existing drainage pump station in Norco, LA. Improvements included the additional of one (1) 20,000 gallon per minute (gpm) pump on the existing concrete sump and associated 286 linear feet of 26" diameter at-grade steel pipeline across the Bonnet Carre Spillway lower guide levee on an existing concrete slab. EG produced a hydraulic study and conceptual design report followed by preliminary and final plans and specifications, permitting, bidding, and construction administration services. Work also included completion of a Hydrologic Modification Impact Analysis for pump discharge into the spillway.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$937.3 (in thousands) (Construction)	\$144.5 (in thousands) (EG Fee)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LBBLD Pump Station and Drainage Canal Evaluations St. Bernard Parish, LA SLFPA-E 6920 Franklin Avenue New Orleans, LA 70122 Mr. Chris Humphreys (504) 286-3100	Evans-Graves provided an independent evaluation and analysis of 56 miles of drainage canals and eight (8) drainage pump stations in St. Bernard Parish, LA. Work was expedited through the use of drones to capture over 20,000 georeferenced, high resolution aerial orthophotos of the canals. Images were then compiled into an ESRI ArcGIS database that allowed for the rapid and efficient observation of any single one or all of the canal photographs based on their mapped location. EG summarized the firm's assessment of the drainage canals and pump stations in two separate reports that included cost estimates and recommendations for the correction of identified deficiencies.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	\$56 (in thousands) (Consultant Fee)	\$56 (in thousands) (EG Fee)

TEC Professional Services Questionnaire

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

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

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

Please see attached.

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

Signature: *Ashlyn Graves* Print Name: Ashlyn A. Graves
 Title: President Date: March 31, 2022

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

EVANS-GRAVES ENGINEERS, INC.

In accordance with the Parish of Jefferson Request for Qualifications, Evans-Graves Engineers, Inc. (EG) understands that the Parish is seeking firms interested in providing routine engineering services for Drainage Projects in Jefferson Parish for a two-year period. (Resolution No. 138811)

In response to the Jefferson Parish notification, Evans-Graves Engineers, Inc. hereby offers our statement of qualifications as well as our specific responses to the general selection criteria.

GENERAL

Evans-Graves Engineers, Inc. (EG) was founded in Baton Rouge, Louisiana in 1954. The firm was organized to provide professional engineering services in the fields of Civil and Structural Engineering.

The company has a staff of over 34 people located in the New Orleans and Baton Rouge offices, including ten (10) licensed Professional Engineers, two (2) licensed Professional Land Surveyors, three (3) Engineer Interns, and a corresponding support staff. Today, EG has expanded its services by providing surveying, civil, structural, and traffic engineering, project management, and construction management. Personal service is the organization's keynote. Every project receives the benefit of the firm's experience and engineering knowledge provided by the principals of the firm and the firm's key personnel, all of whom are residents of the New Orleans and Baton Rouge areas.

The projects profiled throughout this TEC Professional Services Questionnaire demonstrate that EG has been involved with a wide variety of civil and structural engineering endeavors throughout its 68 year existence.

A closer look will reveal significant experience on street projects, civil and structural design for hydraulic structures and pump stations, storm water management studies, topographic and right-of-way surveys, sewerage treatment plants, flood walls and earthen retaining walls, residential and commercial developments, major highways, road, and bridge projects, and project management. Evans-Graves has provided these services to both public and private sector clients, including individuals, developers, local municipalities such as Jefferson Parish DPW, City of New Orleans, City/Parish of East Baton Rouge, and City of Slidell, LADOTD, and the U.S. Army Corps of Engineers.

PROJECT TEAM

Evans-Graves Engineers' expertise is primarily in the areas of civil and structural engineering design services and land surveying services. Given the type of work and available manpower, Evans-Graves has the capability to perform engineering and land surveying services for this work entirely

with our in-house staff. Mr. P. Stephen Lundgren, Jr., P.E. will be project manager and point of contact for Evans-Graves Engineers and is located in the firm's New Orleans office, which is within minutes of the Jefferson Parish public works department. Mr. Lundgren has worked on and managed projects for the Parish and is familiar with the design standards and criteria of the Parish. Mr. Lundgren also has experience on projects funded by FEMA as well as grant funded projects (e.g., CDBG).

Evans-Graves Engineers, Inc. (Prime) – design, bidding, construction administration, permitting and surveying.

EG has in-house survey capabilities but has also worked with most of the surveying firms in the area. We could perform surveying services in house or contract with a subconsultant for these services.

SELECTION EVALUATION FACTOR RESPONSES

1. Professional training and experience in relation to the type of work required for the routine engineering services.

Evans-Graves Engineers, Inc. is a locally owned and operated consulting engineering firm with a staff of over thirty-four (34) people in Baton Rouge and New Orleans. Evans-Graves is led by Ms. Ashlyn A. Graves. Ms. Graves has over 25 years of hands-on experience in the management and oversight of the firm's surveying, engineering, and project management personnel and directs an organization comprised of ten (10) Professional Engineers, two (2) licensed Professional Land Surveyors, three (3) Engineer Interns, and a corresponding support staff.

Following is a brief summary of experience of the key personnel to be involved in this project. Complete resumes of these personnel along with other design and support personnel can be found in Section K.

PERSONNEL EXPERIENCE

Mr. Gerald G. Menard, P.E.. – Principal-in-Charge
Principal who is a registered professional engineer in the State of Louisiana.

Mr. Menard serves as Principal of the firm and has over 43 years of experience as a licensed engineer in the State of Louisiana. Mr. Menard has managed and overseen some of the most complex and important engineering projects in our firm's history, including the first two Design/Build projects ever completed by LADOTD. He has prepared plans and specifications for numerous LADOTD and Parish projects and is thoroughly familiar with the design criteria of Jefferson Parish, as well as LADOTD and AASHTO guidelines. Mr. Menard has extensive knowledge and expertise of roadway and bridge projects, successful experience in managing large projects, and has in-depth design experience of roadway, bridge, and highway projects.

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

Mr. P. Stephen Lundgren, Jr., P.E. – Sr. Project Manager
Professional in Charge of the Project, Professional Engineer registered in Louisiana with a minimum of five (5) years experience in the disciplines involved.

Mr. P. Stephen Lundgren, Jr., P.E. will be the Project Manager for this work, handling the day to day activities. Mr. Lundgren has over 30 years of experience in the design and management of various engineering projects. Mr. Lundgren has prepared hydraulic studies, design reports, permits, and plans and specifications for numerous drainage conveyance and drainage pump station projects for various municipalities, including Jefferson and surrounding Parishes, for open canal, closed conduits, street drainage (inlet capacity and subsurface drains), detention ponds, and pump stations. Mr. Lundgren's technical background, local experience, and familiarity with the unique characteristics of the Jefferson Parish drainage network and pumping stations, geography, geology, and topography have enabled him to successfully manage and design many drainage projects from start to finish. **Mr. Lundgren is a lifelong resident of Jefferson Parish. He has been a registered P.E. in the state of LA for the past 23 years and also holds a Masters degree in Civil Engineering from Tulane University. Mr. Lundgren will be the Project Manager on any work from Jefferson Parish and his office is within 15 minutes of Jefferson Parish Department of Public Works.**

Mr. Jack Carr Morgan, P.E., P.L.S. – Deputy Project Manager
Professional Engineer registered in the State of Louisiana in the field of expertise.

Mr. Morgan has over 49 years of experience as a Civil Engineer, Surveyor, and General Contractor. Mr. Morgan's background includes management, design, layout, and construction of projects involving channel improvements, storm water management, drainage structures, flood gates, pump stations, flow control devices, levees, drainage studies, HEC and SCS hydraulics and hydrologic modeling, USACE and FEMA regulations and standards, construction, and construction surveying. Mr. Morgan is a licensed drone pilot and has performed aerial surveys and assessments of municipal drainage systems for entities such as St. Bernard Parish and the SLFPA-E. Mr. Morgan is thoroughly familiar with the Jefferson Parish standards and design criteria.

Mr. Keith Meyer, P.E. – Project Engineer
Professional Engineer registered in the State of Louisiana in the field of expertise.

Mr. Meyer has over 44 years of experience ranging from civil engineering design to project management and quality control. As a Civil Engineer, Mr. Meyer has extensive experience in the design and improvement of major pump stations, canal embankments, and drainage facilities. His work has involved performing hydraulic analysis including HEC-RAS analysis; analysis and design of new drainage systems and

modifications to existing drainage systems, project management of repairs and replacements of existing pump stations; and the replacement of drainage pump stations to meet most current FEMA and State guidelines. Mr. Meyer has also designed and managed Interstate and State Highway projects for the LADOTD, AHTD, and TXDOT, and completed various civil works projects for the U.S. Army Corps of Engineers. Additional work has included the design municipal roads, determination of drainage studies for pre and post land development projects, and Construction Management. Mr. Meyer's expertise also includes the preparation of feasibility studies, design reports, plans and specifications, and project cost estimating. Mr. Meyer has a degree in Civil Engineering from Tulane University.

2. Capacity for timely completion of newly assigned work

Evans-Graves Engineers has no active projects with Jefferson Parish. Considering our staff of over thirty-four people, which includes ten (10) licensed engineers, EG has more than enough capacity to perform this work in accordance with Jefferson Parish's schedule. The company's overall workload is low with several larger projects having recently been completed.

All of the personnel mentioned in this proposal will be available as needed to work on this project and to complete each task in accordance with the timeframe proposed by Jefferson Parish. All of the work will be managed by Mr. Lundgren and coordinated from our New Orleans Office, which is within 15 minutes of the Jefferson Parish Government building.

Evans-Graves maintains **two (2) full time survey crews** and all the necessary equipment to outfit these crews. These crews have at their disposal the latest in electronic surveying equipment including electronic data collectors and laptop computers for downloading data in real time directly from the field. EG also maintains compatible software to download directly from data collectors into our design computers for translation into working data files.

3. Location of principal office

Evans-Graves will manage and perform all Jefferson Parish work entirely out of our New Orleans office, which is located at:



909 Poydras Street, Suite 3050
New Orleans, LA 70112

Our Project Manager, Mr. Stephen Lundgren, Jr., P.E., is located in this office and has worked closely with Jefferson Parish on many projects. Mr. Lundgren is quite familiar with the policies and personnel of the Parish. The company's entire

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

history consists of working in the Louisiana area. All of the company's personnel reside in and pay taxes in the State of Louisiana.

4. Adversarial legal proceedings between the Parish and the person or firm performing professional services

Evans-Graves Engineers, Inc. has had no litigation matters with Jefferson Parish or any other public entity. In addition, during our 68 year existence, Evans-Graves has never been judged at fault in any litigation arising out of our work product. At Evans-Graves, we consider our record of integrity and professionalism as our major accomplishments, both past and present.

5. Prior successful completion of projects of the type and nature of routine engineering services, as defined, for which firm has verifiable references.

Evans-Graves has completed roadway, drainage, and sewer projects directly for Jefferson Parish and we feel our performance on this work was timely and professional. All of this work was completed on time and within budget.

EG is proud of the firm's reputation with Jefferson Parish and would welcome the Parish to reach out to the following individuals as references for the quality of EG's work:

Mr. Clayton "Snookie" Fauchaux

Director of Public Works, St. John the Baptist Parish and Former DPW Director, St. Charles Parish
(985) 652-9569
c.fauchaux@stjohn-la.gov

Mr. Khalid Saleh, Ph.D.

City of New Orleans, DPW
(504) 658-8208
khsaleh@nola.gov

Mayor Tim Kerner, Jr.

Mayor, Town of Jean Lafitte
(504) 689-8808
ncooper@townofjeanlafitte.com

Mr. Tom Stephens, P.E.

DPW Chief Design Engineer
City/Parish of East Baton Rouge
(225) 389-3158
tstephens@brla.gov

Over the past sixty-eight years, Evans-Graves has designed numerous projects which have received recognition as engineering achievements. Included among them are highway and bridge projects such as I-49 Section 10, I-10 and I-12 widening projects, John James Audubon Bridge (Won Engineering News Record's Top Project of 2012) and Sunshine Bridge Rehabilitation, Fremaux Interchange which won an award from the American Concrete Institute and street

projects such as Read Blvd. and Michoud Blvd. in the City of New Orleans.

While the engineering accomplishments are gratifying, the senior management of this firm would point out other accomplishments as equally gratifying. Evans-Graves Engineers, Inc. over the many years has provided a stable base of employment, and has never had any staff reductions due to lack of work. In the same time period, the company has established and maintained a reputation for integrity, quality work, and professionalism in all areas of business relations.

6. Size of firm

The Evans-Graves Staff currently consists of over 34 people located in offices in New Orleans and Baton Rouge. For the past fifteen years the staff level has remained constant with ten to fifteen professional registered engineers and land surveyors. **We exceed the minimum manpower requirements listed in the RFQ, we have the manpower available to immediately begin work, and our firm size is well suited to complete any tasks assigned by Jefferson Parish. All Evans-Graves personnel are residents and tax payers of the State of Louisiana.**

7. Past performance by person or firm on Parish projects.

This particular category can only be addressed by our clients; however, if timely and successful completion of numerous projects in a responsive and comfortable working relationship is key, then we feel our performance has been more than satisfactory. **Projects completed by EG have experienced few problems during construction. Over the past 68 years, we have developed a solid reputation among our clients and feel that Jefferson Parish has shared that view. We have consistently provided quality work and maintained a professional working relationship with Jefferson Parish.**

All of our projects have been completed to the satisfaction of our clients and no claims or disputes have ever been levied against Evans-Graves by our clients.

The quality of work generated by Evans-Graves can be demonstrated by our ACASS performance evaluations from the USACE, which the firm has received since 1995. These ratings have been 'Excellent' or 'Above Average', and none have been 'Unsatisfactory'. In addition, all of the evaluations recommended Evans-Graves for future contracts. All of EG's ratings from the Louisiana Department of Transportation and Development are well above the state average. **We feel these ratings from both the USACE and LADOTD, supported by the fact that we continue to be selected for work from these agencies, is a true testament to the value of our work and our work ethic.**

SUMMARY

As part of this submittal, Evans-Graves Engineers commits and guarantees the following:

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

- We have sufficient manpower resources for timely accomplishment of our designated tasks for routine engineering services in Jefferson Parish.
- Our staff proposed for this contract has recent experience relevant to this type of work.
- All EG staff proposed in this submittal are current employees of Evans-Graves Engineers.
- Upon award of any work from Jefferson Parish, all listed personnel will be made available for these project assignments, as required.
- Our entire staff is residents and taxpayers of the State of Louisiana.

Evans-Graves Engineers, Inc. has successfully executed a wide range of engineering projects for our clients. Our professional staff has the technical capability and experience to provide Jefferson Parish with a quality product within the allotted time period. The personnel to adequately staff this project are available and the company's resources will be committed to this work.

Evans-Graves Engineers, Inc. welcomes the opportunity to provide Jefferson Parish with our services and would like to thank Jefferson Parish for your consideration of our qualifications.