

Technical Evaluation Committee (TEC) Questionnaire

Instructions

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ # 23-022: Provide Professional Surveying Services on an as needed basis for Public Works Projects-Department of Engineering

B. Firm Name & Address:

Environmental Science Services, Inc. (Es²)
1027 North Range Avenue
Denham Springs, LA 70726

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:

Andrew Milanes, PE
President
225-927-7171
amilanes@es2-inc.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.

Andrew Milanes, PE
President
225-927-7171
amilanes@es2-inc.com

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

<u>2</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>2</u> Civil Engineers	<u> </u> Interior Designers	<u>4</u> Project Managers
<u>1</u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u>3</u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u>1</u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u>13</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.
NA

2.
NA

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. NA		
2.		
3.		

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

5 _____

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:

Andrew Milanes, PE
President

Project Assignment:

Project Manager

Name of Firm with which associated:

Es²

Years' experience with this Firm:

27

Education: Degree(s)/Year/Specialization:

BS 1992 Civil Engineering; Louisiana State University
MS 2022 Civil Engineering (Geomatics Engineering and GIS); University of Colorado Denver

Active registration: Year first registered/discipline:

2015 Professional Civil Engineer in Louisiana. Also registered in AL, CO, FL, MS, NV, OK, TX
2019 FAA Part 107 Remote Pilot in Command

Other experience and qualifications relevant to the proposed Project:

As supervising engineer of Es², Mr. Milanes has served as a civil engineer, GIS professional, and project manager on a wide-range of projects over the past 30 years. Mr. Milanes has managed numerous environmental, engineering, and mapping projects including site investigations and remediation, shoreline surveys, damage assessments, litigation expert reports, engineering surveys, remote sensing, aerial photography, Unmanned Aerial Systems, construction management, and GIS.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Brennon Albarez, PLS Surveyor	
Project Assignment:	
Survey Manager	
Name of Firm with which associated:	
Es ²	
Years' experience with this Firm:	
7	
Education: Degree(s)/Year/Specialization:	
BS 2020 Interdisciplinary Studies with Minors in Land Surveying, GIS, and Business; Louisiana State University	
Active registration: Year first registered/discipline:	
2022 Land Surveyor Intern in Louisiana 2017 FAA Part 107 Remote Pilot in Command	
Other experience and qualifications relevant to the proposed Project:	
<p>As a land surveyor intern, Mr. Albarez has seven (7) years of surveying experience in south Louisiana. He has served as survey technician, crew chief, and survey manager for numerous transportation, construction, pipeline, and boundary surveys. Mr. Albarez has performed projects for local, state, and federal governments as well as maritime ports and rail. He is also a certified FAA Part 107 Remote Pilot in Command.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Joshua Boudreaux Survey Technician
Project Assignment:
Survey Technician
Name of Firm with which associated:
Es ²
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
BS 2019 Industrial Technology; University of Louisiana Lafayette
Active registration: Year first registered/discipline:
2021 FAA Part 107 Remote Pilot in Command
Other experience and qualifications relevant to the proposed Project:
Mr. Boudreaux has four years' experience as a field and survey technician. He has performed numerous field data collection projects including construction stakeout and topographic mapping utilizing RTK GNSS, total station, and UAS. Mr. Boudreaux is a FAA certified remote pilot in command and has completed numerous UAS mapping missions for construction management and topographic mapping.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Trey King Survey Technician
Project Assignment:
Survey Technician
Name of Firm with which associated:
Es ²
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
BS 2025 (anticipated) Land Surveying / Geomatics; Great Basin College
Active registration: Year first registered/discipline:
2023 FAA Part 107 Remote Pilot in Command
Other experience and qualifications relevant to the proposed Project:
Mr. King has four years' experience as a survey technician. He has performed numerous surveying projects including construction stakeout, boundary surveying, utilities surveys, and topographic mapping utilizing RTK GNSS, total station, digital levels, and UAS. Mr. King is a FAA certified remote pilot in command and has completed numerous UAS mapping missions for construction management and topographic mapping.

TEC Professional Services Questionnaire

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

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:	
Comite River Diversion (Reach 4 and White Bayou) Zachary, LA USACE (subcontractor to Lakey Construction) POC Hollis Lakey hollis.lakey@lakeyinc.com	Provide construction management and engineering surveying related to the construction of the Comite River Diversion. Performed construction layout, compliance surveys, quantity measurements, and as-needed engineering surveying. Established site control benchmarks and semi-annual verification. Utilized conventional survey equipment in addition to UAS for topographic mapping.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Q4 2023	\$60,000,000 (estimated)	\$588,000 (to-date)

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Gulf Intracoastal Waterway Port Allen to Morgan City Alternate Route Confined Disposal Facility Construction Bayou Sorrel, LA USACE (subcontractor to Lakey Construction) POC Hollis Lakey hollis.lakey@lakeyinc.com	Provide surveying related to the construction of the a new confined disposal facility. Performed construction layout, cross-sections compliance surveys, quantity measurements, and as-needed surveying. Established site control benchmark. Utilized conventional survey equipment in addition to UAS for topographic mapping.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2023	\$2,500,000 (estimated)	\$118,000 (contract amount)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Utilities Mapping / Surveying City of Gretna, LA POC Mike Wesley mwesley@gretnala.com	As part of the development of an Enterprise GIS, field verification of water valve locations for City of Gretna. Performed field surveying to update the locations of water valves in the City's GIS. Utilized RTK GNSS to obtain valve locations then adjusted the water line network.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Q3 2023	\$60,000	\$60,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Asset Mapping / Surveying Port of New Orleans, LA POC Maggie Cloos margaret.cloos@portnola.com	As part of the development of an Enterprise GIS, performed asset mapping for the Port of New Orleans including the Public Belt Railroad. Surveyed locations of various port assets, including utilities (water, stormwater, sewer, electrical, telecom), wharf infrastructure (fender piles, bollards, gantry crane details), and rail track side assets (signals, mileposts, switches, rail lines). Utilized Unmanned Aerial Systems to augment traditional RTK GNSS surveying.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November 2022	\$1,100,000 (contract amount)	\$1,100,000 (contract amount)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Utility Mapping / Surveying West Baton Rouge Parish, LA POC Adrian Genre adrian.genre@wbrcouncil.org	As part of the development of an Enterprise GIS, field verification of water and gas valve locations for West Baton Rouge Parish. Performed field surveying to update the locations of water and gas valves in the Parish's GIS. Utilized RTK GNSS to obtain valve locations then adjusted the water and gas line networks.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2022	\$78,000	\$78,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
USACE Kellers Lake Rehabilitation Topographic and Bathymetric Surveying Simmsport, LA POC Michael Stout mstout@stoutplanning.com	As part of a rehabilitation project for USACE Kellers Lake, performed topographic and bathymetric surveying. Utilized RTK-GNSS to obtain topographic data in the area of a proposed water control structure. Collected UAS photogrammetry and LiDAR data of the project area. Collected single-beam bathymetric data of Keller's Lake to determine current and proposed water depths.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2023	\$75,000 (est)	\$20,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
DOTD LOOP Environmental Monitoring Fourchon, LA POC Joseph Hollins joseph.hollins@la.gov	As part of the LOOP Environmental Monitoring Program, Es ² performs topographic surveys of the pipeline beach crossing near Fourchon, LA. RTK GNSS and robotic total station is utilized annually to measure beach elevations and conduct elevation change analyses. In addition to conventional surveying, unmanned aerial systems are utilized for topographic mapping and aerial photography.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2024 (current contract)	\$135,000	\$135,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Placid Pipeline Repair Stakeout / As-Built Port Allen, LA POC Steven Menard steven.menard@placidrefining.com	Performed construction stakeout and surveying for numerous repair locations for Placid Pipeline. Scope of work included locating proposed repair locations using RTK GNSS as well as surveying as-built repair locations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2022	\$96,000	\$96,000

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None		
2.		
3.		
4.		

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

Es² has extensive surveying, mapping, and unmanned aerial systems experience in South Louisiana for local, state, and federal governments as well as maritime ports and commercial clients. Es² is also a certified Disadvantaged Business Enterprise through LaDOTD and a certified Hudson firm through LED.

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

Signature: Andrew Milanes Print Name: Andrew Milanes
 Title: President Date: August 08, 2023