

March 7, 2025

3:30 pm CST

Statement of Qualifications

SOQ NO. 25-007

Ames Boulevard Lighting Project (Lapalco to Barataria)

Resolution No. 145729



A Full Service MEP, Civil and Environmental Firm



PIVOTAL ENGINEERING, LLC

3925 N. I-10 SERVICE ROAD W., SUITE 109R

METAIRIE, LA, 70002

OFFICE: 504-799-3653

FAX: 504-799-3654

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- A. LAPELS License
- B. Key Staff Licenses

Section One

TEC Form for Pivotal Engineering

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provide Professional Engineering Services related to the Design
and Construction of the Ames Boulevard Lighting Project
(Lapalco to Barataria) Resolution No. 145729

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

p i v o t a l
e n g i n e e r i n g

3925 N. I-10 Service Road W., Suite 109R
Metairie, LA 70002

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:

Avinash Mehta, PE, President

Principal-In-Charge

3925 N. I-10 Service Road W., Suite 109R
Metairie, LA 70002
Office 504-799-3653
amehta@pivotaleng.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.

Bassam Mekari, PE

Professional-In-Charge

3925 N. I-10 Service Road W., Suite 109R
Metairie, LA 70002
Office 504-799-3653
bmekari@pivotaleng.com

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

<u>2</u> Administrative	<u>2</u> Estimators	<u> </u> Specification Writers
<u>1</u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>5</u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u>8</u> Construction Inspectors	<u> </u> Landscape Architects	<u>1</u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>2</u> Electrical Engineers	<u>1</u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u>2</u> Environmental Engineers	
<u> </u> Professional Land Surveyors		
		<u>29</u> TOTAL

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

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. All South Consulting, Inc. 652 Papworth Ave, Metairie, LA 70005	Surveying/Resident Inspection	Yes
2. The Beta Group 1428 1/2 Claire Avenue Gretna, LA 70053	Geotechnical Engineering & Testing	Yes
3.		

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Bassam Mekari, PE; Sr. Electrical Engineer

Project Assignment:

Professional in Charge/Sr. Electrical Engineer

Name of Firm with which associated:



Years' experience with this Firm:

12

Education: Degree(s)/Year/Specialization:

MS in Electrical Engineering - 3 hours remaining

BS in Electrical Engineering, 1987, Louisiana State University

Active registration: Year first registered/discipline:

Licensed PE - # 31801

Other experience and qualifications relevant to the proposed Project:

Mr. Mekari serves as the principal of Pivotal Engineering and the Engineering Manager in charge of all of the electrical engineering projects. He has developed tremendous experience in designing and installing Medium and Low Voltage Electrical Distribution Systems for commercial and industrial facilities lift stations, water treatment plants, Schools, Justice Centers, Police Stations, and industrial Thermal Reactors. He also designed/built electrical sub-stations for industrial systems and supervised actual installations throughout the US and worldwide. Mr. Mekari has designed over 200 electrical projects and will be instrumental in the overall plant electrical systems design. He also developed tremendous experience in sizing VFDs, UPSs, LED lighting, Dry and Liquid-Fill Transformers, Motors, Medium and Low Voltage Grounding Systems, Panelboards and Switch Gears, ATSS, Back Up Generators and possesses hands on field installations' experience and construction administration. Mr. Mekari developed expertise is all applicable codes pertaining to his projects such as NEC, NFPA 70E, NFPA 820, UL and local codes.

Experience includes:

Jamie Blvd. & W. Tish Dr. Lighting Improvements; Jefferson Parish, LA

Mr. Mekari served as the senior electrical engineer for this project. The scope was to provide preliminary and final design services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope is installation of new street lighting and retrofit the existing street light system.

TEC Professional Services Questionnaire

West Metairie Road Lighting Improvements; Jefferson Parish, LA

Mr. Mekari serves as the senior electrical engineer for the Metairie Road Street Lighting project. Pivotal Engineering is retained by Jefferson Parish for design and construction management of W. Metairie Rd. – U Turn Street Lighting Project. The existing street lighting at W. Metairie Rd. – U Turn (between David Dr. to Roosevelt Blvd.) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.

Cousins Blvd Extension; Jefferson Parish, LA

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal was retained by Jefferson Parish to complete the Louisiana Department of Natural Resources Revolving Loan Fund Application for the Extension of Cousins Boulevard (Woodmere Boulevard to Lapalco Boulevard) project.


Metairie Road Lighting Improvements, Jefferson Parish, LA

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Metairie Rd. Street Lighting Improvement (Bonnabel Blvd. to Orpheum Ave). The major scope of the improvement is installation of street lighting system.

N. Arnoult Drainage Pump Station Improvements; Jefferson Parish, LA

Mr. Mekari served as the project manager and the main Electrical Engineer for the overall lift station upgrades and pumping capacity increase (5400 gpm). This lift station was one of the larger lift stations for Shreveport DPW. Some of Mr. Mekari's responsibilities included the design of a new power supply and distribution center (600A, 480V, 3 phase Switch Gear with MCC & VFDs for the (3) new 100 HP pumps) as an upgrade to the facility's existing systems, PLC control and SCADA/Telemetry interface. Moreover, Mr. Mekari added a secondary power supply (600A, 480 V, 3 phase) to the switch gear from a different feeder via an automatic transfer switch. Some other responsibilities also included the installation of new 18" Mag flow meter in the existing below grade force main and new odor control system.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Avinash Mehta, PE; President
Project Assignment:
Principal-In-Charge
Name of Firm with which associated:

Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
M.S. Civil Engineering, University of Central Florida, 2003
B.S. Civil Engineering, NMU – India, 2000
Active registration: Year first registered/discipline:
Louisiana PE #35100 Civil
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Mehta serves as the Principal of Pivotal Engineering. Mr. Mehta has over 16 years of experience managing Civil and Environmental Engineering projects including project budget, schedule and scope, coordination of resources, business development and client liaison activities. His experience includes the street design, pocket park improvements, roadway enhancements, drainage studies, process and design, water and wastewater master planning, drainage design permitting, wastewater system design, potable water system design and conceptual planning and design for coastal restoration projects.</p>
Experience includes:
<u>Metairie Road Lighting Improvements, Jefferson Parish, LA</u>
<p>Mr. Mehta served as the principal-in-charge for the Metairie Rd Street Lightinh project. The existing street lighting at Metairie Rd (between Bonabel Blvd and 17th Street Canal) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.</p>
<u>Jamie Blvd. & W. Tish Dr. Lighting Improvements; Jefferson Parish, LA</u>
<p>Mr. Mehta served as the principal-in-charge for the Jamie Blvd. SProvide preliminary and final design services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope is installation of new street lighting and retrofit the existing street light system.</p>
<u>Cousins Blvd Street Lighting Improvement, Jefferson Parish, LA</u>
<p>Mr. Mehta served as the principal-in-charge for this project. Pivotal Engineering was retained by Jefferson</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Yoseph Shifare, PE, PTOE, PMP; Project Director
Project Assignment:
Project Manager/Sr. Civil Engineer
Name of Firm with which associated:

Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
M.S. Civil Engineering, University of Louisville, Kentucky, 2014
B.S. Civil Engineering, University of Asmara, Eritrea, 2001
Active registration: Year first registered/discipline:
2018 / Civil Engineering / LA PE # 42747
Louisiana PTOE; Louisiana PMP
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Shifare serves as the project director of Pivotal Engineering in charge of civil/transportation projects. He has over 19 years engineering, project and construction management experience for public infrastructure as well as for industrial, commercial and private facility projects. As project director, leads and manages the day-to-day efforts of engineers on projects that include roadway, traffic analyses, pavement structural design, use of geosynthetics, geometric design, line/grade analyses, pavement marking, intersection improvements, pedestrian/bicycle lanes/paths, excavation/embankment, traffic, drainage/storm water management, water/wastewater infrastructure and landfills. In addition, Mr. Shifare has extensive experience in hydraulic and green infrastructure project design, such as experience providing complex engineering services for hazard mitigation projects for government clients, including but not limited to detention and filtration of stormwater, open channel and pipe flow drainage systems, created wetlands structures, bioretention, and design of hydraulic control structures. He is responsible to client liaison, management of the strategic aspects of project engagement, high-level review of project deliverables, leadership, project accounting and ensuring that engineering practices meets or exceeds industry standards.</p>
Experience includes:
<u>West Metairie Road Lighting Improvements; Jefferson Parish, LA</u>
<p>Mr. Shifare serves as the project director for the Metairie Rd. Street Lighting project. Pivotal Engineering is retained by Jefferson Parish for design and construction management of W. Metairie Rd. – U Turn Street Lighting Project. The existing street lighting at W. Metairie Rd. – U Turn (between David Dr. to Roosevelt Blvd.) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional</p>

TEC Professional Services Questionnaire

counterparts.

Causeway Boulevard Lighting Improvements; Jefferson Parish, LA

Mr. Shifare served as the project director for the Causeway Blvd Lighting project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Causeway Boulevard (Veterans Overpass to 6th Street) Street Lighting Improvement. The major scope of the improvement is removal and replacement of existing lighting system. The general design requirement of work for this improvement includes but is not limited to the following:

- a. Length of project is approximately 4,800 ft (0.9 Mile) on parish owned roadway.
- b. Remove and replace existing street lights (see attached map for approx. locations)
- c. Recommended pole spacing 150 to 160 ft
- d. Recommended mounting height max. 40ft (recommended pole height 35 ft)
- e. Recommended LED lighting
- f. Recommended 3 to 4 feed points (120 – 240 volt)
- g. Recommended Helical street light foundation
- h. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction

Cousins Blvd Street Lighting Improvement, Jefferson Parish, LA

Mr. Shifare served as the Project Manager for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Cousins Blvd. Lighting Improvement (Oakmere Dr. to Woodmere Blvd.). The major scope of the improvement is installation of new street lighting system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.

Jamie Blvd. & W. Tish Dr. Lighting Improvements, Jefferson Parish, LA

Mr. Shifare served as the Project Manager for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope of the improvement is installation of new street lighting and retrofit existing street light system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.

Metairie Road Lighting Improvements, Jefferson Parish, LA

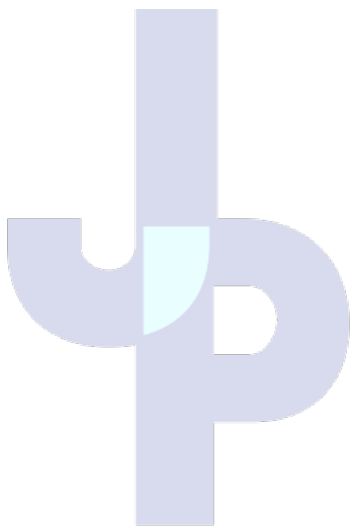
Mr. Shifare served as the Project Manager for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Metairie Rd. Street Lighting Improvement (Bonnabel Blvd. to Orpheum Ave). The major scope of the improvement is installation of street lighting system.

TEC Professional Services Questionnaire

Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Cousins Blvd. Lighting Improvement (Oakmere Dr. to Woodmere Blvd.). The major scope of the improvement is installation of new street lighting system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.

West Metairie Road Lighting Improvements, Jefferson Parish, LA

Mr. Mehta served as the principal-in-charge for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the W. Metairie Ave. U-Turns Street Lighting Improvement (Roosevelt Blvd. to David Dr.). The major scope of the improvement is installation of street lighting system.



Jefferson
Parish
State of Louisiana

TEC Professional Services Questionnaire

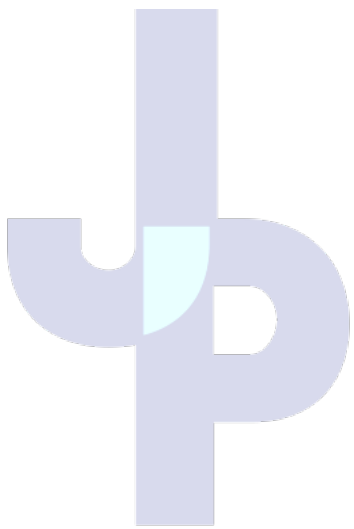
KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
James Amodeo, PE; Sr. Mechanical Engineer
Project Assignment:
Mechanical Engineer
Name of Firm with which associated:

Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
BS / 1994 / Mechanical Engineering
Active registration: Year first registered/discipline:
LA PE #36489 – Mechanical - 2011
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Amodeo serves as the Senior Mechanical Engineer for Pivotal Engineering. Mr. Amodeo has more than 20 years of experience in the analysis, design and project construction management for various types of building mechanical systems, plumbing design, and code compliance.</p> <p>Working on more than 20 FEMA projects post Katrina, Mr. Amodeo has developed tremendous FEMA experience and reviewing PWs and providing cost estimates.</p> <p>Mr. Amodeo will be designated as the Sr. Mechanical Engineer for this project. Mr. Amodeo will be responsible for all mechanical and plumbing design, review of all applicable code requirements, methodologies and design recommendations and schematics</p>
Experience includes:
<u>Metairie Road Lighting Improvements, Jefferson Parish, LA</u>
<p>Mr. Amodeo serves as the senior mechanical engineer for this project. The existing street lighting at Metairie Rd (between Bonnabel Blvd and 17th Street Canal) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.</p>
<u>Jamie Blvd. & W. Tish Dr. Lighting Improvements; Jefferson Parish, LA</u>
<p>Mr. Amodeo served as a senior mechanical engineer for this project. Provide preliminary and final design services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope is installation of new street lighting and retrofit the existing street light system.</p>

TEC Professional Services Questionnaire


West Metairie Road Lighting Improvements; Jefferson Parish, LA

Mr. Amodeo served as a senior mechanical engineer for this project. Pivotal Engineering is retained by Jefferson Parish for design and construction management of W. Metairie Rd. – U Turn Street Lighting Project. The existing street lighting at W. Metairie Rd. – U Turn (between David Dr. to Roosevelt Blvd.) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy inefficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.




**Jefferson
Parish**
State of Louisiana

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Eliot Guerin, PE; Civil Project Engineer
Project Assignment:
Civil Engineer/Inspector
Name of Firm with which associated:

Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
B.S. / 2018 / Civil Engineering
Active registration: Year first registered/discipline:
LA PE #0047729 / 2023 / Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>ATSSA Louisiana Traffic Control Supervisor/Technician</p> <p>Mr. Guerin is a civil engineer with over 4 years of experience at Pivotal Engineering. Throughout this time, he has focused on design of roadways, sanitary sewer systems and storm drainage collection systems (including applicable green infrastructure components) More specifically, he is well-established in traffic analyses, pavement structural design, use of geosynthetics, geometric design, line and grade analyses, pavement marking, intersection improvements, pedestrian and bicycle lanes or paths, excavation and embankment, traffic, drainage/storm water management, water and wastewater, and landfills. He is a very competent design engineer with strong skillset in hydraulic & hydrologic modeling and AutoCAD Civil 3D.</p>
Experience includes:
<u>RR016 BW Cooper Gert Town Dixon Group C New Orleans, LA</u>
Mr. Guerin serves as a project engineer and civil designer for this project. The project entails roadway rehabs 9 blocks (3245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.
<u>Wright Road Improvements, New Orleans, LA</u>
Mr. Guerin serves as project engineer and civil designer for this project. The project includes removing the existing street, drainage and sewer structures and designing new alignment and profile, drainage and sewer structures. He is responsible for designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.
<u>RR139 Plum Orchard-West Lake Forest Group B , New Orleans, LA</u>
Mr. Guerin serves as a civil designer for this project. Pivotal was retained by City of New Orleans for repaving the asphalt roadway from curb-to-curb, replacing damaged portions of concrete with new concrete, patching the roadway with asphalt, repairing damaged sidewalks and driveway aprons, installing ADA compliant curb ramps at intersections, and replacing/repairing damaged underground water, sewer and/or drainage lines. The project also included design of mill and overlay reconstruction, preparation of capital cost estimates and construction documents for the project.

TEC Professional Services Questionnaire

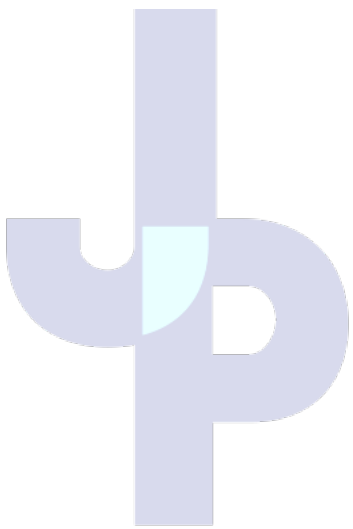
KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kepal Patel, EI; Electrical Project Engineer
Project Assignment:
Electrical/Roadway Designer
Name of Firm with which associated:

Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
BS Electrical Engineering 2019
Active registration: Year first registered/discipline:
2019 LA EI # 0034453
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Patel serves as an electrical/roadway designer for Pivotal Engineering. Mr. Patel designing experience includes CADD work, generally to show the pole location, laying out circuit design from the power source to individual poles, type of foundation used, type of fixture used and include its specifications. Currently, he is working on several JP streetlight projects and his role requires voltage drop calculations, conduit sizes, wire sizes, grounding and bonding etc. and thus determine what kind of electrical components would be required for the installations.</p>
Experience includes:
<p><u>Cousins Blvd Lighting Improvements; Jefferson Parish, LA</u></p> <p>Mr. Patel's responsibilities consisted of designing, calculating voltage drop and sizing the conductor size. Additionally, he determined the locations for the power distribution in collaboration with Entergy for new pole and new transformer. For this project, he serves as one of the resident inspectors, conducting monthly progress reports and meetings, change orders, and inspections.</p>
<p><u>Bonnabel Bike Path; Metairie Rd to Levee; Jefferson Parish, LA</u></p> <p>Pivotal Engineering was retained by the Jefferson Parish to provide Drainage Analysis, A/E Design of the Bonnabel Bike Path (Metairie Rd to Levee line). Pivotal engineering staff performed a drainage analysis to calculate 10-year discharge from the identified contributing areas. As this project was developed to increase community access to quality-of-life resources (Lake Pontchartrain as well as nearby open-space places), maximum attention was given to the configuration of the bike path along Bonnabel Street. Existing trees were integrated into the design as well as standard traffic control devices. Mr. Patel serves as a CAD designer on this project.</p>
<p><u>Planters Drainage Pump Station Improvements; Jefferson Parish, LA</u></p> <p>Mr. Patel serves as an electrical/roadway designer for this project. Pivotal Engineering is retained by Jefferson Parish to provide engineering services for the Planters Pump Station Improvements project. The scope of</p>

TEC Professional Services Questionnaire

engineering services includes the removal and replacement of diesel engines, exhaust silencers, process controls and instrumentations, miscellaneous piping and electrical, installation of air-cooled heat exchangers, and refurbishment of gear box for drainage pumps of No. 1, 2, 3 and 4.


RR018 BW Cooper Gert Town Dixon Group E; New Orleans, LA

Mr. Patel serves as a roadway designer for this project. The project entails the roadway rehabilitation of 15 blocks in the neighborhood of B.W. Cooper, Gert Town and Dixon. Mr. Patel contributed to the design of horizontal and vertical roadway alignment, drainage collection systems, water line replacements, sewer line replacements, geometrics of the streets as well as preparing both capital cost estimates and construction documents.



Jefferson
Parish
State of Louisiana

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Irish Jones; Sr. Electrical Designer
Project Assignment:
Electrical Designer
Name of Firm with which associated:

Years' experience with this Firm:
12
Education: Degree(s)/Year/Specialization:
5 years of college in Electrical Engineering – University of Texas at Arlington
Active registration: Year first registered/discipline:
n/a
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Jones serves as the senior electrical designer of Pivotal Engineering. He has over 40 years of experience in designing electrical installations (power distributions) for industrial and commercial applications of all magnitudes. He obtained his first-Class A electrical license in 1967 in Georgia. Being an electrical contractor for over 40 years, Mr. Jones has developed an extensive experience in not only designing and laying out electrical designs, but also in supervising the installations in the construction phase. His expertise allows the team to provide the best and most economical electrical design for any facility. Due to his experience as an electrician and a contractor, Pivotal will not need to depend on the in- plant electrician while conducting the electrical components field investigations.</p>
Experience includes:
<u>Causeway Street Lighting; Jefferson Parish, LA</u>
Mr. Jones serves as the senior electrical engineer for this project. Pivotal Engineering is retained by Jefferson Parish to provide engineering services for the Causeway Street Lighting project. Pivotal will provide preliminary and final design phase services for design and construction plan preparation of the Causeway Boulevard (Veterans Overpass to 6th Street) Street Lighting Improvement. The major scope of the improvement is removal and replacement of existing lighting system.
<u>Green Acres Street Lighting; Jefferson Parish, LA</u>
Mr. Jones served as the senior electrical engineer for this project. Pivotal was retained by Jefferson Parish to provide engineering services for the Green Acres Street Lighting project. Pivotal provided preliminary and final design phase services for design and construction plan preparation of the Green Acres Rd. Street Lighting Improvement (W. Metairie Ave. to Airline Dr.). The major scope of the improvement was installation of street lighting system.
<u>Metairie Road Street Lighting; Jefferson Parish, LA</u>
Mr. Jones served as the senior electrical engineer for this project. Pivotal was retained by Jefferson Parish to

TEC Professional Services Questionnaire

provide engineering services for the Metairie Road Street Lighting project. Pivotal provided preliminary and final design phase services for design and construction plan preparation of the Metairie Rd. Street Lighting Improvement (Bonnable Blvd. to Orpheum Ave). The major scope of the improvement is installation of street lighting system.

Cousins Blvd Street Lighting Improvement, Jefferson Parish, LA

Mr. Jones served as the senior electrical engineer for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Cousins Blvd. Lighting Improvement (Oakmere Dr. to Woodmere Blvd.). The major scope of the improvement is installation of new street lighting system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.


Jamie Blvd. & W. Tish Dr. Lighting Improvements, Jefferson Parish, LA

Mr. Jones served as the senior electrical engineer for this project. Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope of the improvement is installation of new street lighting and retrofit existing street light system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.


Design of Switchgear for 4MW Generator at Sewerage and Water Board New Orleans East Bank WWTP

Mr. Jones served as the Sr. electrical designer for the project. The scope of this project included: reviewing current 13.8kv switchgear drawings and plant main electrical distribution drawings, investigating alternatives and manufacturer's information, presenting alternatives and discussing options, designing the actual installation, providing construction drawings and equipment specifications for bidding, assisting in equipment installation inspections and submitting reviews during construction, assisting in equipment start-up check-outs, and providing "red-line" as-built drawings to update S&WB drawing files once the project construction was completed.


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Prabin Shrestha, Civil Designer
Project Assignment:
Inspector
Name of Firm with which associated:

Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Himalaya College of Engineering (Lalitpur) Bachelors in Civil Engineering 2019, Tribhuvan University
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>ATSSA Louisiana Traffic Control Supervisor/Technician</p> <p>A Licensed civil engineer with 3+ years of experience and a registered member of Nepal Engineering Council. Redg. No. 21521 Civil "A". Prabin Shrestha serves as a civil designer and inspector for Pivotal Engineering.</p>
Experience includes:
<p><u>JP Sewer Manhole Evaluation, Jefferson Parish, LA</u></p> <p>Mr. Shrestha served as a data collection inspector for this project which had an approximately 3,000 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. During the repair of these manholes, similarly he served as an inspector to document the quality of work done and quantities. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 90% complete on the construction.</p>
<p><u>Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA</u></p> <p>Mr. Shrestha served as a data collection inspector for the Phase 2 of the project which had an approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 50% complete on the initial data collection/assessment.</p>


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Richard A. Baudier, Sr. Inspector
Project Assignment:
Inspector
Name of Firm with which associated:

Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
Associates degree in electronic engineering technology May 1990
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Baudier serves as a bridge and roadway inspector for Pivotal Engineering. Mr. Baudier has forty-one years of experience as a bridge and roadway inspector for various projects that include cast-in-place structural concrete for bridge and roadway constructions. His experience also includes Installation and repair of underground utilities with emphasis on: Sewer, sewer force mains, water mains, drainage, electrical conduit and related structures. Mr. Baudier is also responsible for Operation, repair, maintenance, and capacities of construction equipment, estimating, submitting proposals, monthly estimates, purchasing, change orders, quantity verifications, and cost control reporting.</p>
Experience includes:
<p><u>14th St. Drainage Improvements</u></p> <p>Mr. Baudier serves as an Inspector on this project. He acted as one of Pivotal's inspectors, providing on-site oversight and drafting daily reports of the project's daily quantities. The project construction scope includes installation of 48" drainage pipe in Jefferson Parish on 14th Street (Avenue D Canal to Avenue B). The project also included water and sewer pipe relocation and asphalt pavement reconstruction.</p>
<p><u>Wright Road Improvements; New Orleans, LA</u></p> <p>Mr. Baudier serves as an Inspector on this project. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the construction of a remove and replace roadway, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities as well.</p>
<p><u>Bonnabel Bike Path; Metairie Rd to Levee; Jefferson Parish, LA</u></p> <p>Mr. Baudier serves as a construction inspector for this project. Pivotal Engineering is retained by the Jefferson Parish to provide Drainage Analysis, A/E Design of the Bonnabel Bike Path (Metairie Rd to Levee line). Pivotal engineering staff performed a drainage analysis to calculate 10-year discharge from the identified contributing areas. As this project was developed to increase community access to quality-of-life resources (Lake Pontchartrain as well as nearby open-space places), maximum attention was given to the configuration of the bike path along Bonnabel Street. Existing trees were integrated into the design as well as standard traffic control devices.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
James Seal, Construction Manager
Project Assignment:
Inspector
Name of Firm with which associated:

Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
B.S Construction Management, Thomas Edison University, Trenton NJ
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>ATSSA Louisiana Traffic Control Supervisor/Technician Certified Flagger</p> <p>Mr. Seal serves as a Construction Project Manager of Pivotal Engineering in charge of Civil/Transportation engineering projects construction management. He has over 20 years project and construction management experience for public and municipal infrastructures. Mr. Seal has successfully completed the Site Inspector and Project Delivery Manager courses at FEMA Emergency Management Institute. In addition, Mr. Seal has extensive training and experience in Hazzard Mitigation. He served as a FEMA contractor, deployed in Miami Florida for hurricane Irma where he managed the repair or replacement of various water and wastewater facilities, recreational facilities as well as beach erosion assessments. In addition, Mr. Seal Served as a Project manager on a program management team to provide administrative and technical services for FEMA related Katrina recovery projects in St. Bernard Parish, Louisiana. Projects involved in the program included various types of sewer lift station, sewage treatment plant, gravity sewer system, sewer force main, water treatment plant, water tower and distribution, fire hydrants, fire stations, drainage pump station, building, and recreational projects.</p> <div style="background-color: #556b2f; color: white; text-align: center; padding: 5px;">Experience includes:</div> <p><u>Wright Road Improvements; New Orleans, LA</u> Mr. Seal served as construction inspector for this project. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals and oversee contractor compliance.</p> <p><u>Village De L'EST Group B; New Orleans, LA</u> Mr. Seal served as construction inspector for this project. This project entailed restoration of sidewalks, ADA ramps and roadway, approximately 10,000 linear feet.</p>


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stacy Baldwin, Sr. Inspector
Project Assignment:
Inspector
Name of Firm with which associated:

Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Southern University and A & M College - Baton Rouge, LA
5/2002
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Baldwin's experience includes inspection and field-testing of earthwork and landfill cell construction, environmental sampling and topographic surveying, other duties include performance of geotechnical laboratory testing in lab. In addition, water sampling of ground water wells. Mr. Baldwin reviews and monitors project progress, and attends meetings with Contractor and Owner, such as preconstruction conferences, progress meetings, job conferences, and other project meetings. He documents observations of Contractor's work in progress to assist Engineer in determining if the work is in general proceeding in accordance with the Contract Documents. Mr. Baldwin maintains the site orderly files for correspondence, reports of job conferences, reproductions of original contract documents including all change orders, field orders, work change directives, addenda, progress reports, shop drawing, and sample submittals, and other project-related documents. He also prepares a daily report, recording Contractor's hours on the site, weather conditions, data relative to questions of change orders, field orders, work change directives, or changed conditions, visitors, daily activities and quantities, and observations in general.</p>
Experience includes:
<u>Annual Stormwater Inspection</u>
<p>Mr. Baldwin serves as an inspector for annual stormwater inspection services. Mr. Baldwin reviews and monitors project progress, and attends meetings with Contractor and Owner, such as preconstruction conferences, progress meetings, job conferences, and other project meetings. He documents observations of Contractor's work in progress to assist Engineer in determining if the work is in general proceeding in accordance with the Contract Documents.</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.

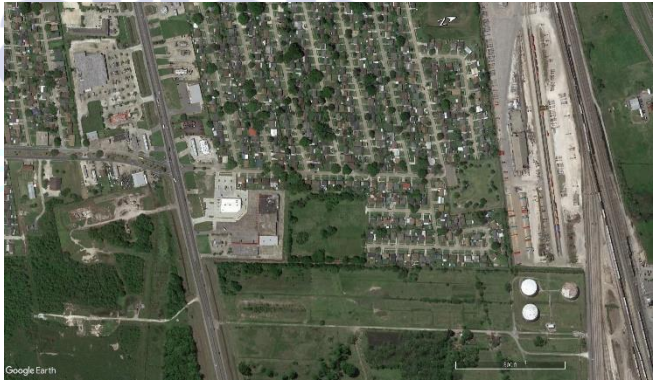
PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Cousins Blvd Street Lighting Improvement Jefferson Parish, LA</p> <p style="text-align: center;">Angela DeSoto, Director Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Pivotal was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the Cousins Blvd. Lighting Improvement (Oakmere Dr. to Woodmere Blvd.). The major scope of the improvement is installation of new street lighting system.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$ 318,941	\$ 30,000


TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Metairie Road Lighting Improvements, Jefferson Parish, LA</p> <p style="text-align: center;">Mark Drewes Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>The existing street lighting at Metairie Rd (between Bonnabel Blvd and 17th Street Canal) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$ 2.1 M	\$ 2.1 M


TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Jamie Blvd. & W. Tish Dr. Lighting Improvements Jefferson Parish, LA</p> <p>Mark Drewes Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Provide preliminary and final design services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope is installation of new street lighting and retrofit the existing street light system.</p> <div style="text-align: center;">  <p style="font-size: small;">Google Earth</p> </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$ 156,000	\$ 64,000

TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">West Metairie Road Lighting Improvements Jefferson Parish, LA</p> <p style="text-align: center;">Mark Drewes Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Pivotal Engineering is retained by Jefferson Parish for design and construction management of W. Metairie Rd. – U Turn Street Lighting Project. The existing street lighting at W. Metairie Rd. – U Turn (between David Dr. to Roosevelt Blvd.) comprises of traditional light fixtures. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$ 2.6 M	TBD


TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Causeway Boulevard Lighting Improvements Jefferson Parish, LA</p> <p style="text-align: center;">Mark Drewes Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Causeway Boulevard (Veterans Overpass to 6th Street) Street Lighting Improvement. The major scope of the improvement is removal and replacement of existing lighting system. The general design requirement of work for this improvement includes but is not limited to the following:</p> <ol style="list-style-type: none"> a. Length of project is approximately 4,800 ft (0.9 Mile) on parish owned roadway. b. Remove and replace existing street lights (see attached map for approx. locations) c. Recommended pole spacing 150 to 160 ft d. Recommended mounting height max. 40ft (recommended pole height 35 ft) e. Recommended LED lighting f. Recommended 3 to 4 feed points (120 – 240 volt) g. Recommended Helical street light foundation h. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$ 1.6 M	\$ 1.6 M


TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Green Acres Rd. Lighting Improvements Jefferson Parish, LA</p> <p style="text-align: center;">Angela DeSoto, Director Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Green Acres Rd. Street Lighting Improvement (W. Metairie Ave. to Airline Dr.). The major scope of the improvement is installation of street lighting system. The general design requirement of work for this improvement includes but is not limited to the following:</p> <ul style="list-style-type: none"> a. Length of project is approximately 2,700 ft (0.51 Mile) on parish owned roadway. b. Recommended pole spacing 150 to 160 ft c. Recommended mounting height 16ft d. Recommended LED lighting e. Recommended 2 feed points (120 – 240 volt) f. Recommended Helical street light foundation g. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$ 296,000	\$ 296,000


TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Live Oak Street Solar Lighting Improvements Jefferson Parish, LA</p> <p style="text-align: center;">Neil Schneider Jefferson Parish, Capital Projects 1221 Yenni Building, Suite 906 Jefferson, LA 70123 (504) 736-6833</p>	<p>Pivotal provided preliminary and final design phase services for design and construction plan preparation of the Live Oak Street Lighting Project (US 90 to S. Kenner Rd). The major scope of the improvement was installation of new solar street lighting system. As per the evaluation phase report (dated October 2019) and Jefferson Parish feedback received from Daloss Falghou and David Vitrano (on November 18, 2019 meeting), the following general design requirements are established:</p> <ul style="list-style-type: none"> Length of project is approximately 18,500 ft (3.5 Mile) on Parish owned roadway Design based on product of Cypress Lighting Technologies, LLC Pole spacing staggered at 200ft Pole shall be installed at minimum 6 feet from the edge of travel lane Single 8 feet long arm shall be used Fixture mounting height shall be minimum 25 feet Fixtures shall be all-in-one solar LED Street light (100W) with a minimum 12V 42Ah Lithium battery Use a motion sensor that senses traveling car from a minimum 100 feet distance Fixture shall be programmable to operate at 30% (30W) when traveling vehicle is not-detected and 80% (80W) when traveling vehicle is detected Fixture, solar panel and battery shall be warranted for 5 years <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$ 1.6 M	\$ 1.6 M


TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Clearview & Airline Intersection Improvements Jefferson Parish, LA</p> <p>Angela DeSoto, Director Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Pivotal was retained to assist in the Clearview-Airline Intersection Improvements project. The scope of the project includes the following: widening of the median along Airline Drive to provide for triple left turn lanes, modifying the intersection of Airline Drive and Central Avenue, relocating and replacing the 20' transite water line, modifying the existing traffic signal system along Airline Drive at the intersection of Clearview Parkway and Central Avenue, and extending Rosedale to tie into Airline Drive.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$ 4.5 M	\$ 1.2 M

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Southbound Westwood Drive Rehabilitation Jefferson Parish, LA</p> <p>Angela DeSoto, Director Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<p>Pivotal personnel were retained by Jefferson parish through Digital Engineering and Imaging, Inc. for the design of Southbound Westwood Drive from the Westbank Expressway to Lapalco Blvd. The project entails rehabilitation of existing Westwood Drive, which includes removal and replacement of existing PCCP roadway, installation of additional subsurface drainage and modification of existing subsurface drainage, and installation of new sidewalks, handicapped ramps, and driveways as needed.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	\$ 2.9 M	\$ 600,000

TEC Professional Services Questionnaire

PROJECT NO. 10								
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:							
<p style="text-align: center;">Study of Safety Measures for Major East Bank Roadways Jefferson Parish, LA</p> <p style="text-align: center;">Angela DeSoto, Director Jefferson Parish Engineering Department 1221 Elmwood Pkwy., Suite 802 Jefferson, LA 70123 (504) 736-6000</p>	<ul style="list-style-type: none"> Safety Guardrail Analysis Drainage Analysis Traffic Accident Analysis Safety Measure Recommendations <p>Pivotal personnel were retained by Jefferson Parish to perform the Study of Safety Measures for Major East Bank Roadways Adjacent to Open Canals. The project entailed a detailed site investigation and documentation of each open canal section bank top width on plans with supporting photographs. Plans also show the recommended improvements as well as the location of accidents for all four segments. Drainage for analysis of the required open canal and box culvert section to accommodate a 10 year design storm were performed. In addition, as a safety measure, the existing median side edge line striping was suggested to be removed and raised pavement markers be installed for all segments where new guard rails are recommended.</p> <div style="text-align: center;">  </div>							
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%; padding: 5px;">Entire Project:</th> <th style="width: 65%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 10px;">2016</td> <td style="text-align: center; padding: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; text-align: center; padding: 10px;">\$ 4.8 M</td> <td style="width: 65%; text-align: center; padding: 10px;">\$ 4.8 M</td> </tr> </table> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	2016	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; text-align: center; padding: 10px;">\$ 4.8 M</td> <td style="width: 65%; text-align: center; padding: 10px;">\$ 4.8 M</td> </tr> </table>	\$ 4.8 M	\$ 4.8 M
Entire Project:	Work for which Firm was Responsible:							
2016	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%; text-align: center; padding: 10px;">\$ 4.8 M</td> <td style="width: 65%; text-align: center; padding: 10px;">\$ 4.8 M</td> </tr> </table>	\$ 4.8 M	\$ 4.8 M					
\$ 4.8 M	\$ 4.8 M							

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	There are no prior/on-going litigations between Pivotal Engineering, LLC & Jefferson Parish.
2.		
3.		
4.		

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

PIVOTAL ENGINEERING, LLC

Pivotal Engineering, LLC is a full-service engineering design firm based in New Orleans, Louisiana. Pivotal has established a reputation for providing superior service to its clients and delivering quality work on time and within budget. Pivotal's principals and staff have in excess of 200 years of combined experience in civil engineering, mechanical engineering, electrical engineering, environmental engineering and program/project management for both public and private entities across the Gulf South Region. The current staff of Pivotal has extensive experience managing a variety of complex projects, from conception to construction.

TEC Professional Services Questionnaire

Required Personnel/Required Firm Qualifications

The person or firm submitting a Statement of Qualifications shall have the following minimum qualifications:

1. The persons or firms under consideration shall have at least one (1) principal who is a licensed, registered professional engineer in the State of Louisiana.

Avinash Mehta, PE

LA PE # 35100 Civil Engineering

2. The persons or firms under consideration shall have a professional in charge of the Project who is a licensed, registered professional electrical engineer in the State of Louisiana with a minimum of five (5) years' experience in the disciplines involved.

Bassam Mekari, PE

LA PE # 31801 Electrical Engineering

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

Yoseph Shifare, PE, PTOE, PMP

LA PE# 42747 Civil Engineering

Evaluation Criteria

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

Pivotal Engineering, LLC has decades of experience assisting communities, agencies, and private entities in meeting their transportation needs on small- and large-scale projects. Properly designed and maintained roadway lighting enables comfortable and safe movement of vehicles and pedestrians. Pivotal has experience with both linear and tower lighting projects.

Pivotal Engineering has built an impressive portfolio of street design projects over the years. Our design experience includes developing new roadways, widening existing roadways, and various minor roadway improvements for state, local, and private facilities. Our team is LDOT prequalified in numerous areas. We are well-trained and very familiar with current industry standards and typical LDOT design practices and procedures. By providing much of the roadway support services in-house such as survey, drainage, environmental, utilities, and construction engineering and inspection (CEI), we are able to provide our clients a complete and comprehensive design effort on every project.

We provide a full range of in-house electrical street lighting and transportation capabilities, including:

Corridor Progression Studies
Corridor Access Management Analysis
Intersection Studies
Roundabout Studies

TEC Professional Services Questionnaire

Safety Studies	
Railroad Crossing Studies	
Pedestrian Crosswalk Studies	
Traffic simulation Modeling	
Complete Street Evaluation	

Pivotal has established a reputation for providing superior service to its clients and delivering quality work on time and within budget. Pivotal's principals and staff have in excess of 200 years of combined experience in architectural, civil, mechanical, electrical, structural, environmental engineering, construction management, construction inspection and program /project management for both public and private entities across the Gulf South Region. Our Principals and Staff have gained this experience not only through many years of providing services to this variety of clients on a very diverse portfolio of projects, but also through focused continuing education. Pivotal Engineering's principals and staff have all been given accolades on their technical competence and knowledge of administering the contract plans and specifications per agency policy and procedure.

2) Size of firm, considering the number of professional and support personnel required to perform the type of engineering tasks

As outlined in this Statement of Qualifications Pivotal not only presents the number of professional and support personnel available to perform this type of engineering tasks, but also demonstrates the breadth and diversity of the capabilities of the staff. Beyond this diversity of capabilities, Pivotal Engineering's Environmental, Planning, Design and Inspection staff has combined experience of greater than 200 years of experience in all phases of project delivery, including electrical, civil, mechanical, environmental, planning, management, design, and construction supervision experience. Professional qualifications include city, state, and federal certifications in safety, management, and a list of other certifications. The Pivotal drafting team is well versed in a variety of software including CIVIL 3D, HEC RAS, H2O MAP and Arc GIS. We ask that you note the resumes included herein for further information.

3) Capacity for timely completion of newly assigned work, considering the factors of type of engineering task, current unfinished workload, and person or firm's available professional and support personnel

Pivotal Engineering has a depth of technical capabilities and expertise to complete the assigned work in a timely manner. We have the needed technical personnel to assure the Parish that all work will be performed in accordance to the contract scope of work and in strict conformance with the latest City guidelines and standards. Pivotal has the manpower, equipment, and expertise to execute any given project within a reasonable time frame. Pivotal staff has a reputation of project delivery both on time and within budget. Pivotal Engineering's current workload will allow for quick assignment of technical resources to the project at hand. The firm has the required management and field personnel readily available to begin the necessary services upon written notification.

Historically, Pivotal has provided a direct line of communication to anyone who is a representative of the client to the assigned Project Principal and Manager. It has been our goal to make communication a priority. We've provided cell lines as the first line of communication, followed by e-mail transmissions and

TEC Professional Services Questionnaire

office lines as last resorts. We do not let calls or e-mails go unanswered more than 24-hours and with this have seen huge success as it relates to our client's reliance on us as their consultant of choice.

Approach to Agency Coordination:

The Pivotal Team will identify responsible agencies as early as practical. The Team will notify the Jefferson Parish and address technically any issues of concern regarding the project's scope, potential infrastructure, environmental, social, or economic impacts that could substantially delay or prevent an agency from granting a permit or other approval that is needed for the project. The team will assure that agencies are fully engaged in the scoping of the project and the decisions regarding alternatives to be evaluated in detail in the design.

The Team understands an agency's role in the development of the project and may include the following as they relate to areas of expertise:

1. Provide meaningful and early input to address concerns and impacts.
2. Identify issues that could substantially delay or prevent granting of permits/approvals.
3. Identify opportunities for collaboration, including participating in coordination meetings and joint field reviews, as appropriate.
4. Provide timely compliance with review and comment on preliminary documents to reflect the views and concerns of their respective agencies, alternatives considered and anticipated impacts and mitigation.

Approach To Coordinating Project Delivery Tasks:

The Team will use an Integrated Project Delivery (IPD) approach that integrates staff, systems, team company's structures and professional practices into a process that collaboratively harnesses the talents and insights of all participants to optimize project results, increase value to the owner, to the community, reduce waste, and maximize efficiency through all phases of design, bid, and construction.

The Integrated Project Delivery is assembling a team that is committed to collaborative processes and is capable of working together effectively. In order to accomplish this, Principal project manager will:

1. Identify the Team's roles that are most important to the project.
2. Consider interests and seek involvement of select additional parties, such as agency official(s), local utility companies, and other stakeholders.
3. Define in a mutually understandable fashion the values, goals, interests and objectives of the project to the larger program goals.
4. Identify the Team's organizational and business structure best suited to IPD that is consistent with the Team's capacity and constraints. The choice should not be rigidly bound to traditional project delivery methods, but should be flexibly adapted to the project.
5. Develop project agreement(s) to define the roles and accountability of the Team members. The project agreements should be synchronized to assure that company's roles and responsibilities are defined identically in all agreements and are consistent with the agreed Team organizational and business models. Key provisions regarding compensation, obligation and risk allocation will be clearly defined and should encourage open communication and collaboration.

TEC Professional Services Questionnaire

4) Past Performance by person or firm on Parish contracts

Pivotal Engineering has a history of providing lift station design, facility and building design, wastewater, street, water, and drainage design and construction administration services to many municipalities and state agencies in the region including; The City of New Orleans, The City of Shreveport, Sewerage and Water Board, The City of Kenner, St. Charles, St. John and Jefferson Parishes. These services have also been provided to private clients such as Entergy and Waste Management. Pivotal Engineering has in depth understanding of local, state, and federal governmental agencies procedures and regulations. The scope of work on which our staff has worked on includes: water treatment plant improvements, master planning, elevated storage tank designs, sewer treatment plant upgrades, lift stations, build/repair streets, sidewalks, bike paths, drainage systems and utilities. Our engineers have great track records with helping our clients meet compressed deadlines yet delivering the project within budget. Pivotal personnel have heavy construction background capabilities and have several construction inspectors with extensive experience on board.

Our staff has proven excellence in managing projects from cradle to grave while providing value engineering which saved our clients hundreds of thousands of dollars. Our staff was essential in helping the city of New Orleans expediting its recovery post Katrina by handling and completing over 50 critical FEMA funded projects. Our staff has extensive experience in managing multi-million-dollar projects and programs for public infrastructure and CDBG disaster recovery.

The following is a brief list of the team's relevant experience:

- **Emergency Street Lighting & Traffic Sign Assessment Project, New Orleans, LA**
- **Causeway Street Lighting Improvements; Jefferson Parish**
- **Cousins Blvd. Lighting Improvements (Oakmere Dr. to Woodmere Blvd.)**
- **West Metairie U Turn Street Lighting; Jefferson Parish**
- **Green Acres Street Lighting; Jefferson Parish**
- **Live Oak St. Lighting (US 90 to Kenner Rd.); Jefferson Parish**
- **Metairie Rd. Street Lighting Project; Jefferson Parish, LA**
- **90 (Lapalco to Train Over Pass) Street Lighting Project; Jefferson Parish**
- **Jamie Blvd. & W. Tish Dr. Lighting Improvement; Jefferson Parish**

Quality Assurance / Quality Control Plan

Our management team is comprised of experienced managers and task leaders with proven leadership who can thoughtfully bring together capable team members with exceptional technical skills, and support them with good QA/QC processes. Open lines of communication and weekly internal conference calls will ensure that the project is managed successfully within budget and schedule.

TEC Professional Services Questionnaire

Pivotal maintains a comprehensive program to ensure that our projects bring the most value to our clients and are of high quality. Each Pivotal project has a comprehensive QA/QC plan to make sure our procedures and documentation conforms to our corporate policies and our client's requirements. QA/QC is much more than providing reviews and checking computations. Quality is a mindset that is shared by every member of the Pivotal team. It starts by clearly understanding expectations and making a commitment to meet them every day and with every deliverable. Each project review also includes some elements of internal value engineering. Our senior staff focuses not only on accuracy and completeness, but on value, optimization, simplicity, operations, maintenance, power cost, and constructability.

Our principals and staff have gained this experience not only through many years of providing services to this variety of clients on a very diverse portfolio of projects, but also through focused continuing education. Pivotal Engineering's principals and staff have all been given accolades on their technical competence and knowledge of administering the contract plans and specifications per agency policy and procedure.

Pivotal believes that quality products and services result from having sound business practices, retaining talented staff, and focusing on being responsive to our client's needs. Our clients respect us for our philosophy of "doing the right things for the right reasons."

Quality is integrated into Pivotal's day-to-day business activities through our Quality Management System (QMS). The programs, policies, and business processes that comprise the QMS have four key elements:

- Focus - Management actively promotes quality in our business activities and defines responsibilities for maintaining a quality focus.
- Service - Staff members are trained, available, and committed to providing quality services.
- Delivery - Processes and procedures are in place that promotes quality in the delivery of our products and services.
- Improvement - Continual improvement is achieved through performance measurement and identification of areas for improvement.

Pivotal's senior management demonstrates its commitment to quality through establishing responsibilities for quality at all levels of the company, from company principals to members of management to the project team. Responsibilities are documented in Pivotal's QA/QC Program procedures. These procedures define how Pivotal delivers products and services to our clients.

Experience in creating and working with multi-disciplinary project delivery team:

Pivotal Engineering's management team is comprised of experienced managers and task leaders with proven leadership, thoughtfully bringing together capable team members with exceptional technical skills, and supporting them with good QA/QC processes. Open lines of communication and weekly internal conference calls will ensure that the project is managed successfully, within budget and schedule.

Pivotal's approach to the assigned project includes integrated and comprehensive engineering services that include facility inventories, development of design criteria, assessment of major engineering components,

TEC Professional Services Questionnaire

preparation of specifications, and plans and associated construction cost.

5) Location of the principal office

Pivotal Engineering, LLC has an office located in Jefferson Parish at 3925 N. I-10 Service Rd. West, Suite 109R, Metairie, LA 70002. This shall prove to be a valuable asset to Jefferson Parish as our staff can be at the Parish's office at moment's notice to attend critical meetings.

6) Adversarial legal proceedings between the Parish and the person or firm performing professional services, in which the Parish prevailed, or any ongoing adversarial legal proceedings between the Parish and the person or firm performing professional services, excluding those instances or cases where the person or firm was added as an indispensable party, or where the person or firm participated in or assisted the public entity in prosecution of its claim

Pivotal Engineering, LLC is not, nor has it ever been, involved in any litigation with the Jefferson Parish or any other Parish/State/Federal agencies.

7) Prior successful completion of projects of the type and nature of the engineering services, as defined, for which firm has provided verifiable references

- Nguyen Phan, P.E., Chief Engineer City of New Orleans DPW. (504) 658-8000, nphan@nola.gov
- Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, (504) 658-8208, ksaleh@nola.gov
- Neil Schneider, CCM, P.E. Director of Capital Projects, Jefferson Parish Department of Capital Projects (504) 736-6833, nschneider@jeffparish.net
- Mike Lockwood, Director of Sewerage, Jefferson Parish Department of Sewer (504) 736-6661, mlockwood@jeffparish.net
- Mark Drewes, PE; Director of Public Works, Jefferson parish, Department of Public Works, (504) 736-6783, mdrewes@jeffparish.net
- Angela DeSoto, PE; Director of Engineering; Jefferson Parish, Department of Engineering, (504) 736-6500, adesoto@jeffparish.net
- Myra Alexis-Valentine, Grants Administer, St. John Parish, (985) 652-9569, m.alexisv@stjohn-la.gov
- Jean Todd, Contracting Officer, US Army Corps of Engineers, (901) 828 – 1503, jean.f.todd@usace.army.mil
- Wes Wyche; Director of Public Works; City of Shreveport; (318) 673-6000, Wes.Wyche@shreveportla.gov
- Christopher Racca; Environmental Protection Manager; Waste Management; (225) 637-2385, cracca@wm.com

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

Signature:



Print Name: Avinash Mehta, PE

Title: President/Principal-In-Charge

Date: 03/07/2025

Section Two

TEC Form for All South

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 25-007- Professional Engineering Services related to the Design and Construction of the Ames Boulevard Lighting Project (Lapalco to Barataria), Resolution No. 145729

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



652 Papworth Avenue,
Metairie, Louisiana 70005

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:

John Teegarden, P.L.S.
Vice President, Survey Division Manager
504-322-2783
jteegarden@ascellc.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.

Timothy P. Bonura, P.E.
Managing Partner
504-322-2783
tim@ascellc.com

John Teegarden, P.L.S.
Vice President, Survey Division Manager
504-322-2783
jteegarden@ascellc.com

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

<u>7</u>	Administrative	<u>0</u>	Estimators	<u>1</u>	Specification Writers
<u>1</u>	Architects (Licensed)	<u>0</u>	Geologists	<u>2</u>	Structural Engineers
<u>0</u>	Chemical Engineers	<u>0</u>	Geotechnical Engineers	<u>2</u>	Graduate Engineers
<u>11</u>	Civil Engineers	<u>0</u>	Interior Designers	<u>4</u>	Project Managers
<u>12</u>	Construction Inspectors	<u>0</u>	Landscape Architects	<u>3</u>	Clerical
<u>0</u>	Ecologists	<u>0</u>	Land Surveyor	<u>7</u>	Grant/Funding Specialist
<u>0</u>	Electrical Engineers	<u>0</u>	Mechanical Engineers	<u>0</u>	Sanitary Engineers
<u>8</u>	Engineer Intern	<u>2</u>	Environmental Engineers		
<u>2</u>	Professional Land Surveyor			<u>76</u>	TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

Name & Address:

Specialty:

Worked with Firm Before (Yes or No):

1. N/A

2.

3.

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

10 _____

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:

John Teegarden, PLS
Vice President, Survey Division Manager

Project Assignment:

Senior Professional Land Surveyor, Survey Project Manager

Name of Firm with which associated:

All South Consulting Engineers, LLC

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

International Correspondence School, Surveying and Mapping Course (2-year course completed)

Active registration: Year first registered/discipline:

1990/ Professional Land Surveyor/ Louisiana License No. 4635
1999/ Professional Land Surveyor/ Mississippi License No. 2782

Other experience and qualifications relevant to the proposed Project:

John S. Teegarden, PLS joined All South Consulting Engineers, LLC in 2014 as Vice President and Survey Division Manager. Mr. Teegarden has extensive experience in all aspects of land surveying including boundary, elevation, topographic, hydrographic, industrial, and construction projects. Throughout his career, he has participated in or directed surveys for a wide variety of clientele including local municipal and governmental agencies, state agencies, and federal agencies. In his career, he has served as a Field Party Chief, Field Supervisor, CAD Technician, Project Manager, and Division Manager. Mr. Teegarden's varied project experience includes high precision survey control, single and multibeam hydrographic surveys, large boundary surveys, surveys for public right-of-way taking, topographic route surveys, mapping of subsurface utilities based on the markings provided by a subsurface utility engineering firm, coastal restoration projects, laser scanning surveys and GPS project surveys.

Maureen Lane at 20 Arpent Canal St. Bernard Parish, Louisiana

Mr. Teegarden and the ASCE survey staff prepared a topographic survey of the Maureen Lane crossing at the 20 Arpent Canal for the design of a new pre-cast bridge crossing. The survey included the existing culvert crossing, roadway location, location of existing utilities.

Golden Drive at Intercepting Canal St. Bernard Parish, Louisiana

Mr. Teegarden and the ASCE survey staff prepared a topographic survey of the Golden Drive crossing at the Intercepting Canal for the design of a new pre-cast bridge crossing. The survey included the existing culvert crossing, roadway

TEC Professional Services Questionnaire

location, location of existing utilities.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*

Mr. Teegarden performed full topographic services to assist with the design of new drainage for a portion of Old Arabi. This included data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork.

Westside-Alma Drainage Project *Terrebonne Parish, Louisiana*

Mr. Teegarden performed full topographic services for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St. This included data collection, data processing, data management, CAD, and project budget oversight.

West Esplanade at Canal 10 Drainage Improvements *Kenner, Louisiana*

Topographic Survey of canal crossing, Location of underground utilities located by subsurface utility engineering contractor and added to an existing topographic survey. Cost \$2,500, party chief, processing field data.

Bayou Vista Subdivision Drainage Model *Thibodaux, Louisiana*

Mr. Teegarden performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision.

St. Louis Canal Road *Houma, Louisiana*

Mr. Teegarden performed full boundary surveying services for the acquisition of a servitude for drainage Improvements. This included performing the necessary field work for the survey, data processing and preparation of a boundary map.

Canal No. 10 Underground Utility Locations *Jefferson Parish, Louisiana*

Mr. Teegarden provided topographic survey services for the West Esplanade at Canal 10 Drainage Improvements project. His responsibilities included a topographic survey of canal crossing, location of underground utilities located by subsurface utility engineering contractor and added to an existing topographic survey.

Alidore Drainage Study and Improvements *Lafourche Parish, Louisiana*

For this project, Mr. Teegarden obtained Topographic survey elevation data on culverts with pipe sizes and conditions, cross sections of ditches and canals for drainage study and design of a new pump station. Mr. Teegarden's role in this project included planning the survey, running GPS control, processing GPS and robotic total station files for import into AutoCAD Civil 3D. Party chief, ±71 Ac.

South Kenner Avenue Roadway Rehabilitation *Westwego, Jefferson Parish, Louisiana*

Mr. Teegarden managed survey project by instructing field crews, reviewing field data, analysis of boundary data collected to set up existing rights-of-way and perform QA/QC review of work at the completion of the project.

Geisenheimer Canal Topographic Survey *Jefferson Parish, Louisiana*

Mr. Teegarden led our survey teams in the preparation of a topographic survey that included the location of the Geisenheimer Canal Box Canal and the adjoining surface features from the north curb line of Airline Highway into the fairway of Metairie Country Club adjacent to Airline Highway.

Loumor Outfall Ditch Topographic Survey *Jefferson Parish, Louisiana*

Mr. Teegarden and the All South survey staff provided a topographic survey of the route that follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, that included ties, sand traps and the raised greens that fell in the route.

Lake Cataouatche Pump Station Topographic Survey *Jefferson Parish, Louisiana*

Mr. Teegarden and his team prepared a topographic survey at the site of the current Lake Cataouatche pump station located on Churchill Farms. The survey area adjacent to the existing pump station will be the site for a new pump station under design. The survey included cross sections of the site and the adjacent canal along with the location of improvements in the project area.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Taylor Casteigne, PLS Professional Land Surveyor, Survey Supervisor
Project Assignment:
Professional Land Surveyor
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2019 / Geomatics
Active registration: Year first registered/discipline:
2022/ Professional Land Surveyor / Louisiana License No. 5291
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Casteigne graduated from Nicholls State University with a B.S. in Geomatics and has served as party chief and draftsman on a variety of surveys. He is well versed in the latest surveying equipment technology to ensure fast and accurate surveys. For all projects, Mr. Casteigne performs/oversees the necessary field work for the survey, then processes the data into a field book file. He then imports the data into Auto CAD where it is used to build a TIN surface. With this surface cross sections are generated over the required areas based on the scope. Contours are then generated showing lines of constant elevation. The budgets for each project are tracked daily, thus ensuring that the surveys are completed on time and under budget. This includes placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the projects are completed in an orderly fashion.</p> <p>Old Arabi Drainage Improvements <i>St. Bernard Parish, Louisiana</i> Mr. Casteigne performed full topographic services including data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork. Oversight over the drafting process was another key responsibility for this project. This survey was intended to assist with the design of new drainage for a portion of Old Arabi.</p> <p>Bayou Vista Subdivision Drainage Model <i>Thibodaux, Louisiana</i> Mr. Casteigne performed full topographic survey services including retrieving existing Lidar data From the NGS website to be combined with survey data taken in the field in order to produce a drainage model for Bayou Vista Subdivision.</p> <p>St. Bernard Parish Canal Servitude Creation <i>St. Bernard Parish, Louisiana</i></p>

TEC Professional Services Questionnaire

Mr. Casteigne performed full boundary services including data collection, data processing, data management, research, CAD, and project budget oversight. This included managing field crews during the data collection process ensuring that everything within the project scope was captured during the fieldwork, as well as oversight over the drafting process. This survey is intended to create servitudes over 9 different canals throughout St. Bernard Parish to then allow the parish to clean these canals of obstructions after a major storm event.

LaFreniere Park Meadow Drainage Improvements *Jefferson Parish, Louisiana*

Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. Once the data was in a fieldbook it is imported into Auto CAD, where the data is used to build a TIN surface. This work was used to analyze the existing drainage conditions of the park meadow area.

Jefferson Parish Juvenile Services Survey *Metairie, Louisiana*

Mr. Casteigne performed full topographic survey and CAD services, including locating all subsurface utilities in accordance with department standards for the design and construction of facility improvements. This included performing the necessary field work for the survey, then processing the data into a useable format.

Westside-Alma Drainage Project *Terrebonne Parish, Louisiana*

Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. This includes a site visit prior to beginning the project to develop a cost estimate and developing a packet for field crews detailing what data will be required to complete the survey. This survey was for the purpose of improving the drainage along Westside Blvd from Main St. to Alma St.

Lakeview Terrace South Group B *New Orleans, Louisiana*

Mr. Casteigne performed full topographic survey and CAD services, including all subsurface utilities in accordance with department standards for the design and construction of street improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD, where the data is used to build a TIN surface. With this surface cross sections are generated over the required areas based on the scope. Contours are then generated showing lines of constant elevation. The budget for the project was tracked daily ensuring that the survey was completed on time and under budget. This included placing LA One Call tickets, giving field crews the list of tasks needed to complete the project, and ensuring the project was completed in an orderly fashion.

Savanne Rd Drainage Improvements *Houma, Louisiana*

Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD where a boundary map could be prepared.

St. Louis Canal Road *Houma, Louisiana*

Mr. Casteigne performed full boundary surveying services for the acquisition of a servitude by Terrebonne Parish for drainage Improvements. This included performing the necessary field work for the survey, then processing the data into a useable format. Once the data was in a useable format it is imported into Auto CAD and have a boundary map prepared.

St. Bernard Parish Water Plant Drainage Improvements *St. Bernard Parish, Louisiana (03/22)*

Mr. Casteigne performed full topographic services including data collection, data processing, data management, CAD, and project budget oversight. Also, performing the necessary field work for the survey, then processing the data into a fieldbook file. Once the data was in a fieldbook it is imported into Auto CAD, where the data is used to build a TIN surface. This work was used to analyze the existing drainage conditions of the St. Bernard Parish Water Treatment Plant.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lyle Langley Survey Party Chief
Project Assignment:
Survey Party Chief
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
SOWELA Technical Community College/ 2012 / Drafting
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Langley has worked on a wide variety of surveying projects and assisted in the integration of a robotic total station and our hydrographic software to track the hydrographic boat in areas where GPS was not feasible. He has the necessary training to use hydrographic equipment, HDS Laser Scanner and is familiar with Hypack hydrographic software. His work experience includes hydrographic surveys using a rod and tape, a total station, GPS and single beam echo sounders to record the data, using side scan sonar to identify underwater obstructions and using a magnetometer to sweep for pipelines and other ferrous metal debris. He has supervised field crews on many topographic and boundary surveys. His current and previous projects include, but not limited to:</p> <p>Tudor and Tallulah Drainage Analysis <i>Jefferson Parish, Louisiana</i> Mr. Langley was part of a team that provided topographic survey services and collected field data for the Tudor and Tallulah drainage project. This work included picking up horizontal and vertical data.</p> <p>Canal No. 10 Underground Utility Locations, <i>Jefferson Parish, Louisiana</i> Mr. Langley located underground utilities as marked by a Subsurface Utility Engineer and added to an existing topographic survey.</p> <p>Lake Cataouatche Pump Station Topographic Survey, <i>Jefferson Parish, Louisiana</i> Mr. Langley and his team prepared a topographic survey at the site of the current Lake Cataouatche pump station located on Churchill Farms. The survey area adjacent to the existing pump station will be the site for a new pump station under design. The survey included cross sections of the site and the adjacent canal along with the location of improvements in the project area.</p>

TEC Professional Services Questionnaire

Woodvine Ditch Topographic Survey *Jefferson Parish, Louisiana*

Mr. Langley and his crew provided a topographic survey over the existing 54" RCP drain line followed the line from Nassau Drive south across the Metairie Country Club Golf course to its tie in point at Geisenheimer Canal. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route.

Loumor Outfall Ditch Topographic Survey *Jefferson Parish, Louisiana*

Mr. Langley provided a topographic survey of the route that follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route.

40 Arpent Canal Levee Walk and Cycling Path and Pedestrian Bridge *St. Bernard Parish, Louisiana*

Mr. Langley assisted with the topographic survey along the 40 Arpent Levee in St. Bernard parish for the design of a walk and bike path. RTK GPS was used to locate improvement and take cross sections along the proposed survey route. The area surveyed began at the St. Bernard/Orleans parish line and continued southeasterly to Paris Road.

Alidore Drainage Study and Improvements *Lafourche Parish, Louisiana*

Mr. Langley led the field crew to provide a topographic survey to obtain an elevation data on culverts with pipe sizes and conditions, cross sections of ditches and canals for drainage study and design of a new pump station. Mr. Langley was the Party Chief for this effort. Party chief, ± 71 Ac. Cost \$20,000

Jean Lafitte Parkway Drainage Improvements *St. Bernard Parish, Louisiana*

Mr. Langley performed the boundary and topographic survey of Jean Lafitte Parkway from Judge Perez Drive to the Forty Arpent Canal for the design of much needed drainage improvements.

Reynes Street Topographic Survey, *New Orleans, Louisiana*

Mr. Langley led the field crew on a topographic survey of Reynes Street from South Claiborne Avenue to Florida Avenue in the City of New Orleans. This survey extended from right of way to right of way and was delivered on plan and profile sheets showing drainage and sewer and existing roadway conditions.

Bayou Terre Aux Bouefs Ridge Restoration Armoring *St. Bernard Parish, Louisiana*

Mr. Langley and his team provided the topographic and hydrographic survey data. The survey also included sections of Bayou Lery and Bayou Gentilly. Overbank cross sections and a hydrographic survey were conducted to aid in the design of bank armoring to help stem further erosion of the existing shoreline. Transects were also ran across approximately 10,000 acres of additional marshland. A magnetometer survey was also conducted to identify submerged pipelines.

Upper LA 45 Basin Tidal Surge Protection *Lafitte, Jefferson Parish, Louisiana*

Mr. Langley is currently working on a topographic survey of a proposed route for approximately three miles of new levee and floodwalls to provide protection against tidal surge in the upper area of Lafitte, Louisiana along LA Hwy. 45.

Breakwater Drive Improvements *New Orleans, Louisiana*

Mr. Langley was part of a team tasked to conduct a topographic survey for Breakwater Drive in New Orleans. As the Survey Party Chief, he assisted in identifying the scope of damaged elements inside the footprint of Breakwater Drive, while highlighting the facility's history and cultural significance, as well as its pre-storm conditions and full description. From this survey, All South identified additional facilities not directly within the footprint of the breakwater but that depend on it for protection (includes marinas, restaurants/vendors, housing, yacht clubs, a lighthouse, fishing piers, and more) and were able to provide cost estimates for the demolition and repairs of the damaged elements in the area.

RR017 and RR019 New Orleans Streets Topographic Surveys *New Orleans, Louisiana*

Mr. Langley was part of a field crew tasked to perform topographic surveys for full reconstruction street projects located in the Dixon area in the city of New Orleans. These surveys were prepared in accordance with the DPW 2015 Road Design Manual.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
William Lambert Survey Party Chief
Project Assignment:
Survey Party Chief
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
High School Diploma
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Lambert joined All South Consulting Engineers, LLC in April of 2021. He has over 15 years of experience in land surveying and has served as an instrument man to a survey party chief. He has performed topographic surveys, right-of-way, ALTAs, as-builts, stakeouts, boundaries, and elevation certificates, using Leica robotic instrument and Trimble GPS. He has also performed construction layout using Trimble Robotics and GPS and served as a survey helper in industrial surveys.</p> <p>LaFreniere Park Meadow Drainage Improvements <i>Jefferson Parish, Louisiana</i> Mr. Lambert performed full topographic services including data collection and field crew supervision. This included establishing project control, creating a sketch of the site, and surveying the meadow area at the park. This work was used to analyze the existing drainage conditions of the park meadow area.</p> <p>LALD Lower Lafitte Drainage Improvements <i>Jefferson Parish, Louisiana</i> Mr. Lambert has completed a full topographic survey of approximately 5500ft of streets for the purpose of improving the existing drainage in the area. This included establishing project control and temporary benchmarks and supervising the survey crew ensuring that the project was completed based on the scope of work in an efficient manner.</p> <p>Marrero St. Pump Station <i>Jefferson Parish, Louisiana</i> Mr. Lambert has completed a full topographic survey of the Marrero St. Pump Station for the purpose of making improvements to the pump station. This included establishing project control and temporary benchmarks and supervising the survey crew ensuring that the project was completed based on the scope of work in an efficient manner.</p>

TEC Professional Services Questionnaire

Pines Village Road Reconstruction *New Orleans, Louisiana*

Mr. Lambert performed a full topographic survey of approximately 8800ft of roadway in New Orleans. This included overseeing the collection of all necessary field data within the right of way of the designated streets and keeping detailed field notes of the data being obtained. This project was done at the request of the city of New Orleans for the purpose of full depth reconstruction on these roadways.

Ascension Parish School Board Airline Highway Property Topographic Survey *Ascension Parish, Louisiana*

Mr. Lambert performed full topographic and boundary services including data collection, boundary services, and survey crew supervision. This included ensuring all required fieldwork was done in an efficient manner, establishing project control, creating a sketch of the site, and in accordance with the project scope of work. This survey was used in the design of a new building for the site, and to establish the western boundary to aid in tree clearing.

St. Bernard Parish Water Plant Drainage Improvements *St. Bernard Parish, Louisiana*

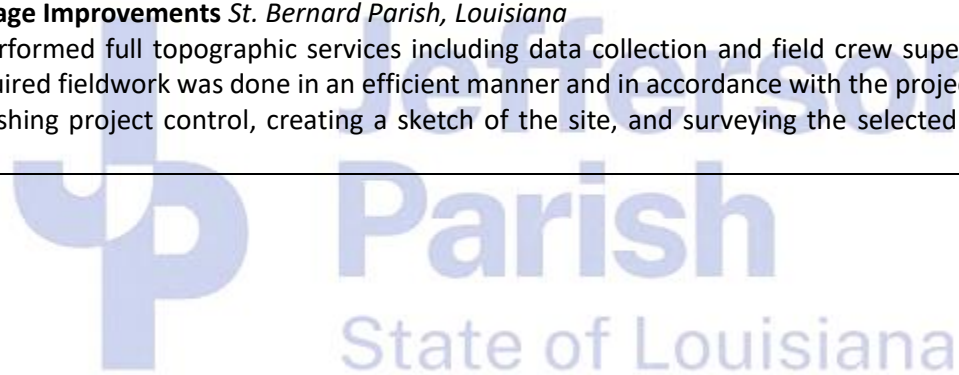
Mr. Lambert performed full topographic services including data collection and field crew supervision. This included establishing project control, creating a sketch of the site, and surveying the St. Bernard Parish Water Treatment Plant site. This work was used to analyze the existing drainage conditions of the St. Bernard Parish Water Treatment Plant.

St. Bernard Parish Canal Servitude Creation *St. Bernard Parish, Louisiana*

Mr. Lambert performed full boundary services including data collection and recovering boundary evidence along the selected canal in St. Bernard. This survey is intended to create servitudes over 9 different canals throughout St. Bernard Parish for the parish to go in and clean these canals of obstructions after a major storm event.

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*

Mr. Lambert performed full topographic services including data collection and field crew supervision. This included ensuring all required fieldwork was done in an efficient manner and in accordance with the project scope of work. This included establishing project control, creating a sketch of the site, and surveying the selected areas by the project manager.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Austin Bowman Survey Technician
Project Assignment:
Survey Technician
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
A.A.S. HVAC NCCER Level Graduate/ 2020/ Nunez Community College
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Bowman joined All South Consulting Engineers, LLC in March of 2021 as a survey assistant. He received an Associate of Applied Science degree in HVAC NCCER Level from Nunez Community College in 2020. Since joining All-South, Mr. Bowman has assisted in full topographic and hydrographic surveys.</p> <p>LaFreniere Park Meadow Drainage Improvements <i>Jefferson Parish, Louisiana (09/21)</i> Mr. Bowman performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in collecting invert data on drainage structures throughout the project.</p> <p>Slidell Pier and Breakwater Restoration <i>St. Tammany Parish, Louisiana</i> Mr. Bowman performed full topographic and hydrographic services including assisting in data collection and maintenance of survey equipment. This included assisting establishing project control, collecting field data at the direction of the party chief, and assisting in setting up the hydrographic equipment needed to complete the survey. This work was used to aid in the design of a new boat launch and breakwater at the Slidell Fishing Pier site.</p> <p>Hill Heights Eastern Canal Topographic Survey <i>St. Charles Parish, Louisiana</i> Mr. Bowman performed full topographic and boundary services including assisting in data collection and maintenance of survey equipment. This included assisting the party chief in locating boundary evidence along the project site and collecting field data at the direction of the party chief. This work was used to analyze the existing conditions of the collapsed bulkhead along the canal.</p>

TEC Professional Services Questionnaire

Old Arabi Drainage Improvements *St. Bernard Parish, Louisiana*

Mr. Bowman performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in surveying the streets and drainage structures along the specified routes.

Des Allemands Bulkhead Improvements *St. Charles Parish, Louisiana*

Mr. Bowman performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in surveying the existing bulkhead and street adjacent to it. This project was intended to assist in the design of a new bulkhead along Bayou Des Allemands.

Westside Blvd (W.Park-Alma) *Houma, Louisiana*

Mr. Bowman assisted in the completion of a full topographic survey along Westside Blvd in Houma from W.Park Ave to Alma St. This included assisting the Survey Party Chief in collecting field data inside the right of way of Westside Blvd. This project was done at the request of the Terrebonne Parish Government for the purpose of replacing the existing roadside drainage.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Clark Shires <i>Survey Technician</i>
Project Assignment:
Survey Technician
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
6
Education: Degree(s)/Year/Specialization:
Bachelor of Science, Business Administration, 2018
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Shires joined All South Consulting Engineers in September 2018 as a full time Survey Assistant. Mr. Shires graduated in May 2018 from the University of New Orleans with a bachelor's degree in Business Administration. His duties include assisting the Survey Crew Leader as necessary to perform collection of all survey data in the field.</p> <p>LaFreniere Park Meadow Drainage Improvements <i>Jefferson Parish, Louisiana</i> Mr. Shires performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in collecting invert data on drainage structures throughout the project.</p> <p>Pines Village Road Reconstruction <i>New Orleans, Louisiana</i> Mr. Shires performed a full topographic survey of approximately 8800ft of roadway in New Orleans. This included assisting in the collection of all necessary field data within the right of way of the designated streets and assisting in collecting invert information on all drainage and sewer structures along the survey route. This project was done at the request of the city of New Orleans for the purpose of full depth reconstruction on these roadways.</p> <p>St. Bernard Parish Water Plant Drainage Improvements <i>St. Bernard Parish, Louisiana</i> Mr. Shires performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in collecting invert data on drainage structures throughout the project.</p> <p>Old Arabi Drainage Improvements <i>St. Bernard Parish, Louisiana</i> Mr. Shires performed full topographic services including assisting in data collection and maintenance of survey equipment. This included assisting in establishing project control, collecting field data at the direction of the party chief, and assisting in surveying the streets and drainage structures along the specified routes.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Scott Breidenstein CADD Technician
Project Assignment:
CADD Technician / Draftsman
Name of Firm with which associated:
All South Consulting Engineers, LLC
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
Technical Diploma / 2020
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Breidenstein joined the All South team in 2019. His experience includes AutoCAD C3D which he utilizes in survey and design projects that include topographic, boundary, route corridor surveys, hydrographic surveys, ALTAs, field data input, plan and profile sheets, import/export of survey points, proposed design corridors, and volume calculations. Mr. Breidenstein coordinates with field crews, drafters, engineers, and clients to generate AutoCAD C3D drawings and plan sheet sets from the beginning of a project to final stamped plans.</p> <p>Old Arabi Drainage St. Bernard, Louisiana Mr. Breidenstein prepared proposed design drawings for the clearing and dredging of existing canals and the construction of drainage structures. The project involved replacing culverts, ditch re-grading, and dredge operations. Site plans provided by Mr. Breidenstein were used to design improved drainage for the surrounding area.</p> <p>Canal A Drainage Improvements, New Sarpy/St. Charles Parish, Louisiana Mr. Breidenstein prepared the design plans for the Canal A drainage improvement project. The project was approximately ±1800 LF, it consisted of replacing an existing arch culvert with two cast in place box culverts, roadway reconstruction and multiple cantilevered sheet pile wall systems. Mr. Breidenstein created a C3D model showing the proposed canal depth for volume calculations. Three separate concrete flume walls were drawn and detailed as well. Mr. Breidenstein assisted the project engineer in completing the proposed plan set and reconstructed roadway design.</p> <p>Russell St Pump Station River Ridge, Louisiana Mr. Breidenstein prepared proposed location of a new pump station to be installed by Ralph J. Bunche Elementary School (Russell St. Pump Station) in Jefferson Parish, Louisiana. These plans included an overall site plan, plan view and</p>

TEC Professional Services Questionnaire

a typical section. Coordination with the project engineer to properly show the existing utilities, railroad and rights-of-way was very important in this project.

Alidore Drainage Improvements *Raceland, Louisiana*

Mr. Breidenstein prepared topographic and right-of-way drawings for the construction of a new drainage pumping station. The project involved a levee re-alignment, ditch re-grading and research into the BNSF railroad right-of-way. Site plans provided by Mr. Breidenstein were used to design better drainage for the surrounding area and proved to be more economical.

Westside-Alma Drainage Project (Alma-West Park) *Houma, Louisiana*

This project consists of roadside drainage improvements in an area of the city of Houma, LA. Mr. Breidenstein assisted in the topographic survey and prepared the proposed design plans for the improvements to the existing drainage system. Mr. Breidenstein modeled in detail the hydrologic components of the project area using CAD and provided profiles and cross sections that were utilized in the design process.

Lake Vista *New Orleans, Louisiana*

Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the streets in the Lake Vista project. These surveys depicted the elevations of the streets to show centerline and gutter line profiles, the surface created showed the many imperfections and potholing in the streets. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. Mr. Breidenstein was also involved in the design phase of this project. Coordinating with engineers and subconsultants to prepare drawings depicting the proposed new roadway, elevations, cross sections, new subsurface drainage, sewerage and water for approximately 4900' of roadway and sidewalks. This project also conformed to Orleans Parish DPW standards.

Breakwater Drive Improvements *New Orleans, Louisiana*

Mr. Breidenstein prepared survey maps along Breakwater Drive, from its intersection with N. Roadway Street to its termination at the point. Baseline maps, plan, profile and cross sections were provided to show the existing berms and existing topography of the site. FEMA and CORP permit drawings were also provided in this project. Shown in the plans were horizontal and vertical location of existing berms and proposed berms. Mr. Breidenstein assisted the project engineer in creation of the new west, north, south and the point berms. Proposed berm plan and profile sheets with cross sections showing proposed work were also created by Mr. Breidenstein.

RR016 New Orleans Streets Topographic Surveys *New Orleans, Louisiana*

Mr. Breidenstein prepared survey baseline drawings, topographic plan sheets and profiles depicting the existing underground utilities for the streets in this project submittal. These surveys depicted the elevations of the streets to show centerline and gutter line profiles, the surface created showed the many imperfections and potholing in the streets. Utility information was researched and observed to show the areas in need of repair or replacement of major drainage, sewer and water lines. Also included were right-of-way lines, apparent lot lines, 3D surface, and cross sections. This project also conformed to Orleans Parish DPW standards.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert "Chris" Thompson Resident Inspector Supervisor
Project Assignment:
Resident Inspector Supervisor
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
Certificate of Completion, Drafting, Mapping and Planning, Coastal College
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Thompson is a crew leader and resident/construction inspector with All South Consulting Engineers. In his capacity as an inspector, he monitors all aspects of construction reviews and on-site inspection. As resident inspector, he reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.</p> <p>East St. John High School Reserve, Louisiana Mr. Thompson provided construction surge inspections and documentation for Portland Concrete Road demolition and re-construction at East Saint John High School in La Place Louisiana. Mr. Thompson conducted pre-pour compaction and steel fabrication inspection and documentation to include jointing layout and utility placement under road. The roadway construction was conducted under extremely challenging conditions and in and around an active school requiring the establishment of bypass roads, temporary traffic controls, and nighttime construction to facilitate bus traffic twice a day. He monitored and oversaw the levee construction for over 1000 linear feet of earthen levee around East St. John High school conducted in standard 1" lifts.</p> <p>Bayou Country Sport Park Houma, Louisiana</p>

TEC Professional Services Questionnaire

Mr. Thompson was the construction inspector for the Bayou Country Sport Park development. This project included the construction of a roadway, waterline, sewer line, catch basins, and related drainage improvements for a 140-acre park development in Terrebonne Parish. The roadway is 3,300' long asphalt roadway, with two 11' travel lanes. It was constructed to 4" thickness to accommodate the traffic expected in the park, with a 12" base. The project included an 9' wide bike path adjacent to the roadway.

LaDOTD Slidell Roadways Rehabilitation CE&I Slidell, Louisiana

These 3 projects consist of Roadway rehab in Slidell and includes concrete and asphalt roadway work and other drainage improvements including the installation of multiple box culverts both next to and beneath the roadway. Mr. Thompson's responsibilities include: Inspector supervision and scheduling, monitor construction activity, coordinate inspection coverage, review daily reports, compile and reconcile completed quantities, review contractor invoices, sitemanager input, coordinate and perform liaison duties between owner-engineer-contractor, attend progress meetings, and coordinate materials testing for construction materials with LADOTD.

St. Charles Parish Roadway Maintenance St. Charles Parish, Louisiana

Mr. Thompson was an inspector for the St. Charles Parish Road Maintenance Project, which included asphalt patch repair and base work, plus asphalt cold plane and overlay. Mr. Thompson worked with contractor to determine repair locations for patching, verified quantities of all repairs, and maintained daily photo log.

DPW Capital Improvements Program –Audubon, Black Pearl, E Carrollton New Orleans, Louisiana

Mr. Thompson provides resident inspection services for the improvement of several streets throughout the neighborhoods in New Orleans, Louisiana which include repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns. As resident inspector, Mr. Thompson reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.

Schneider Infrastructure Repairs Slidell, Louisiana

Mr. Thompson performed resident inspection for construction operations on the Schneider Infrastructure Repairs project which includes the rehabilitation of about 343 concrete road panels and over 11,920' of asphalt roadway in Slidell, Louisiana. This project involves asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, sewer, and Cured in place pipe (CIPP) repairs. Mr. Thompson was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing site managing/inspecting. Asphalt repairs included patching, milling/overlaying, and sub-base repairs – quantities were tracked daily. He assisted with generating each monthly pay estimate and change orders, and assisted with construction progress meetings when needed by the P.E.

W-14 Infrastructure Repairs Slidell, Louisiana

Mr. Thompson performed resident inspection for construction operations on the W-14 Infrastructure Repairs project which includes the rehabilitation of about 1,150 concrete road panels and over 5,500 of asphalt roadway in Slidell, Louisiana. This project involves asphalt and concrete roadways, concrete drives and sidewalks, RCP drainage, sewer, and cured in place pipe (CIPP) repairs. Mr. Thompson was responsible for measuring field quantities, along with making daily reports, filling out all quantity books, and doing site managing/inspecting. Asphalt repairs included patching, milling/overlaying, and sub-base repairs – quantities were tracked daily. He assisted with generating each monthly pay estimate and change orders, and assisted with construction progress meetings when needed by the P.E.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Peter Giovingo Resident Inspector
Project Assignment:
Resident Inspector
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
18
Education: Degree(s)/Year/Specialization:
University of Texas at Dallas, Business Management; University of New Orleans, Business Management
Active registration: Year first registered/discipline:
Certifications: ATSSA Traffic Control Supervisor, ATSSA Flagger
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Giovingo has been with All South since April 2006 and has been a construction inspector with All South Consulting Engineers since 2008. Mr. Giovingo inspects and documents day-to-day activities on construction sites and reports back to Construction Supervisors or Project Managers. As resident inspector, Mr. Giovingo reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.</p> <p>East St. John High School Hazard Mitigation Flood Protection and Pump Station St. John the Baptist Parish, Louisiana Mr. Giovingo was a resident inspector for the installation of new sub surface drainage system and on-site pump station, including sheet piles, catch basins, sluice gate, 3 pumps, and gas generator. Permanent Flood control systems: Construction of over 4,600 LF of earthen and sheet pile levee, new underground drainage lines establishment of a new pump station. Inspection duties included verification of survey data, contractor alignments and layout for construction, drainage invert elevations, materials testing and overall safety for construction activities. Mr. Giovingo monitored testing and preconditioning of soil and levee structures (surcharging), soil density testing in lifts, concrete base and material sampling and sheet pile wall construction. Inspection duties also included daily traffic control of 29 buses and over 2,000 students in transits daily, construction and testing of drainage structures and damaged utilities cut or</p>

TEC Professional Services Questionnaire

hindered during construction. Assisted in verification of pay applications and required documentation for repairs and warranty information.

Alidore Pump Station Drainage Improvements *Lafourche Parish, Louisiana*

Mr. Giovingo was the primary inspector for this project which included a new pumping station and site work infrastructure, including improved ditch cross-sections, platform and piping configurations, steel sheeting for sump area, rip rap and all utility adjustments to support the new system for 183 CFS capacity. The project included 3-36" vertical lift pumps with discharge piping between BNSF Railroad crossings via jack and bore operations for 3-42" x 82' steel casings and 36" steel discharge pipes to outfall into the marsh. Mr. Giovingo reviewed plans and specifications, ensured contractor followed plans according, completed daily reports documenting tasks completed each day and take photos for log.

Ellington Pump Station *St. Charles Parish, Louisiana*

All South Consulting Engineers provided resident inspection services for the construction of new drainage pump station. As resident inspector, Mr. Giovingo reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.

Diamond Pump Station *Plaquemines Parish, Louisiana*

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Diamond Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

Belle Chasse Pump Station 1 and 2 *Plaquemines Parish, Louisiana*

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Belle Chasse Pump Stations 1 and 2 with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

Hayes Pump Station *Plaquemines Parish, Louisiana*

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Hayes Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

Grand De Liard Pump Station *Plaquemines Parish, Louisiana*

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Grand De Liard Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

Duvic Pump Station *Plaquemines Parish, Louisiana*

Mr. Giovingo was a resident inspector for the upgrade/ remodel of the Duvic Pump Station with the addition of a quiet room which included an office, sleeping area, restroom/shower, AC/heating, camera monitoring system, kitchenette, and gas generator.

DPW Capital Improvements Program – Pines Village *New Orleans, Louisiana*

Mr. Giovingo provides resident inspection services for the Pines Village improvements project in New Orleans, Louisiana which includes repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stanley Jordan Resident Inspector
Project Assignment:
Resident Inspector
Name of Firm with which associated:
All South Consulting Engineers, LLC 
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
Associate of Applied Science, Construction Management, 2013, Delgado Community College
Active registration: Year first registered/discipline:
Certifications: LaDOTD Asphalt Concrete Paving Inspector/Technician; ATSSA Traffic Control Supervisor, ATSSA Traffic Control Technician, ATSSA Flagger/Trainer, Job Safety Awareness for Construction
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Jordan has been with All South since April 2021 and has been a construction inspector since 2017. Mr. Jordan inspects and documents day-to-day activities on construction sites and reports back to construction supervisors and/or project managers. As resident inspector, Mr. Jordan reviews specifications and plans for assigned project to ensure project is constructed as specified and drawn, inspects and monitors all work in progress, verifies that materials on site conform to specifications and drawings, monitors truckload deliveries, monitors concrete truck deliveries, photographs pertinent activities on jobsites showing construction details, witnesses tests performed by testing agency, logs notes on daily reporting forms, attends any required project meetings on site, lists any jobsite visitors, documents all health, safety or environmental incidents, documents work stoppage or delays, reviews daily notes for accuracy, and develops lists of outstanding information required to complete projects.</p> <p>LaDOTD Lindberg Drive @ US 190 (Gause Blvd) Slidell, Louisiana This project consists of roadway rehabilitation in a heavily trafficked area. The project includes concrete and asphalt roadway work, the addition of a turning lane onto Gause Blvd. to alleviate traffic issues, and drainage improvements along Lindberg Drive. Mr. Jordan's responsibilities include resident/ asphalt concrete paving inspection duties.</p> <p>LaDOTD Natchez Drive Rehabilitation Slidell, Louisiana This project consists of Roadway rehabilitation and includes concrete and asphalt roadway work and includes drainage improvements along Natchez Dr. Mr. Jordan's responsibilities include resident/ asphalt concrete paving inspection duties.</p>

TEC Professional Services Questionnaire

LaDOTD North Carnation Street Pavement Rehabilitation Slidell, Louisiana

This project consists of Roadway rehabilitation in Slidell and includes concrete and asphalt roadway work and other drainage improvements including the installation of multiple box culverts both next to and beneath the roadway. Mr. Jordan's responsibilities include resident/ asphalt concrete paving inspection duties.

DPW Capital Improvements Program – Audubon, Black Pearl, E. Carrollton New Orleans, Louisiana

Mr. Jordan provides resident inspection services for the improvement of several streets throughout the neighborhoods in New Orleans, Louisiana which include repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns.

DPW Capital Improvements Program – Pines Village New Orleans, Louisiana

Mr. Jordan provides resident inspection services for the Pines Village improvements project in New Orleans, Louisiana which includes repairs/improvements to sewer, water, and pavement. This project involves roadway pavement (asphalt, concrete, and composite), concrete sidewalks, driveways, curbs, and ADA Ramps based on storm related damages & constructability concerns.

DPW Drainage Improvements - Council Districts A, B, C, D, and E New Orleans, Louisiana


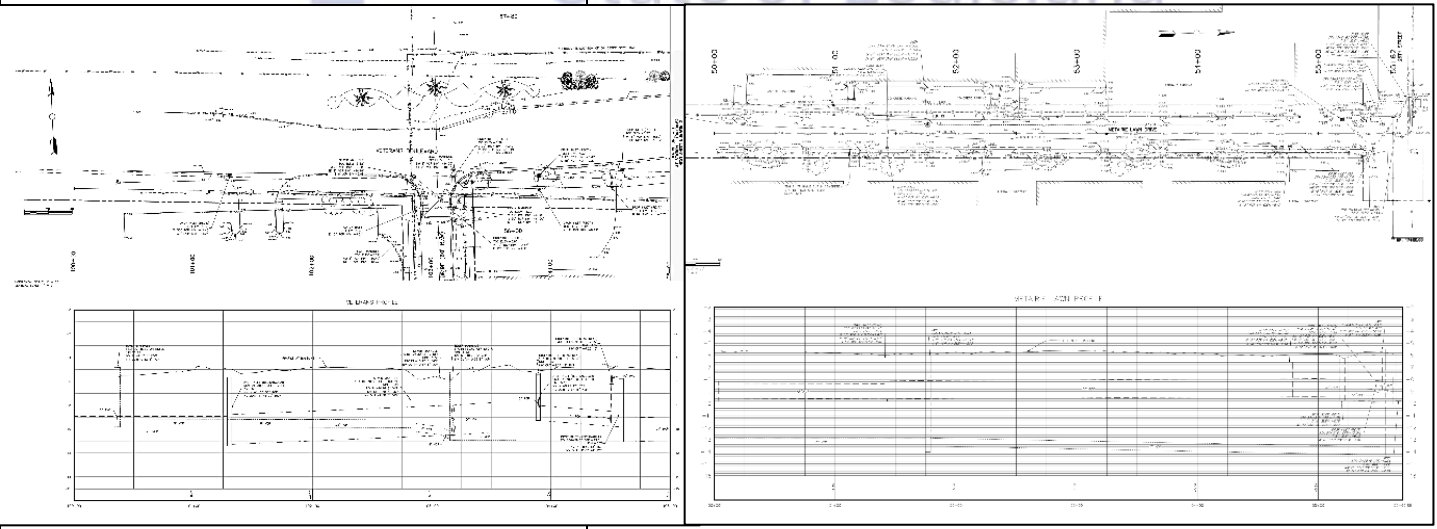
The City of New Orleans tasked All South to develop work orders spread throughout the 5 council districts to target areas with high volumes of 311 and 911 calls regarding flooding. Mr. Jordan performed resident inspectors duties including monitoring cleaning crews and creating daily reports through Procore and ArcGIS to track production, completion, and issues.



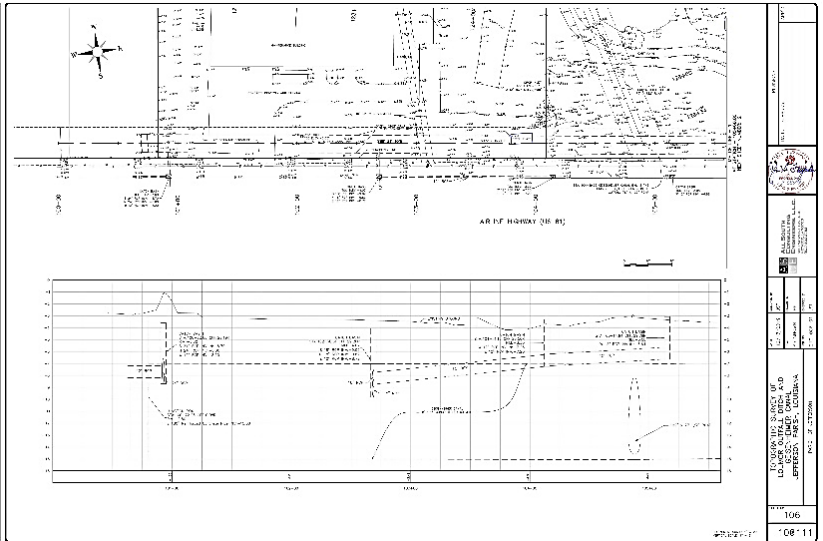
TEC Professional Services Questionnaire

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.

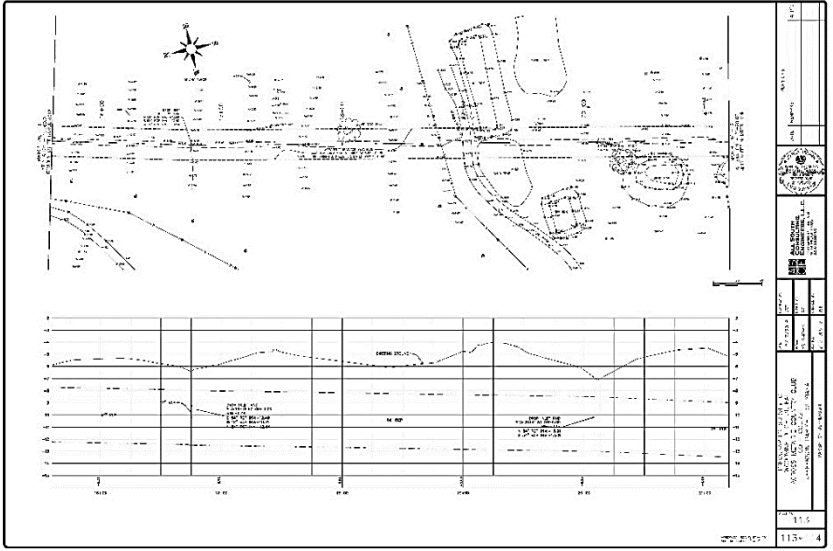
PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Metairie Lawn Drainage Improvements Topographic Survey <i>Metairie, Louisiana</i></p> <p>Mr. Joseph R. Becker, P.E. Ardurra 3012 26th Street Metairie, Louisiana 70002</p> <p>Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>All South provided a topographic survey from ±500 feet south of the intersection of Metairie Lawn Drive and 26th Street and from that intersection heading west along 26th Street to the intersection of 26th Street and Ridgelake Drive and then north along Ridgelake Drive to its intersection with Veterans Boulevard. On Veterans Boulevard the survey will begin on the west side of the Perino's Nursery driveway to the U-turn on the west side of Clifford Drive.</p> <p>This was a full topographic survey from right of way to right of way with cross sections taken at 50-foot intervals and shots along the centerline of streets taken at 25-foot intervals. The survey also included the location of above and below ground utilities. For the sewer and drainage utilities we provided top of casting elevations, invert elevations, pipe sizes, and pipe material. The deliverables for this project included plan and profile sheets and cross section sheets.</p>	
		
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Entire Project:
August 2021	N/A	Survey Cost: \$25,460

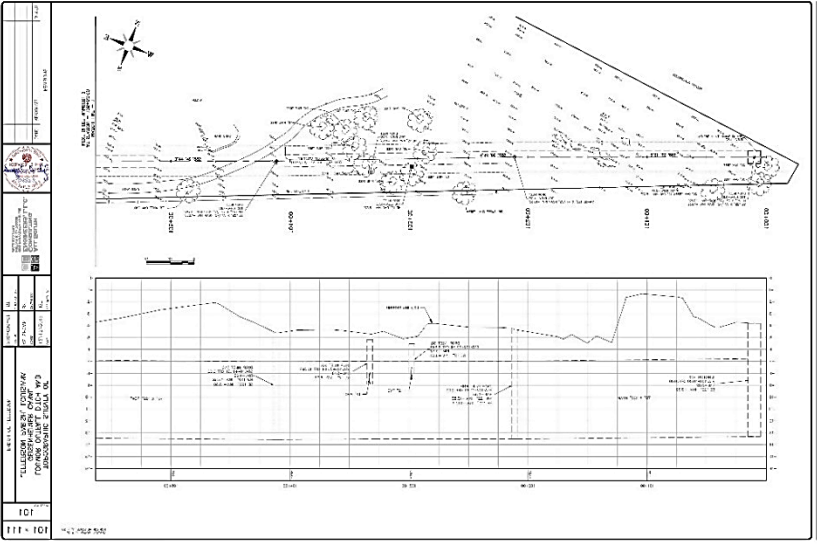
TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Geisenheimer Canal Topographic Survey <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>This survey was prepared to provide the field data necessary to design drainage improvements for the Geisenheimer Canal which flows to Hoey's Canal and from there to 17th Street Canal and Lake Pontchartrain.</p> <p>In order to accomplish this, we prepared a topographic survey of the surface area above Geisenheimer Canal from the maintenance facility for the Metairie Country Club to the tie in point at Hoey's Canal. For this route we located all surface improvements, visible signs of utilities, trees with size and species and cross sections at 50' intervals.</p> <p>We were able to locate the underground concrete box canal by accessing it through an access cover where we set a control point in the bottom of the box, we then located the sides and roof and the tie in point for the concrete arch pipe outfall for the Loumor Ditch. From a drop inlet cover near the Woodvine Ditch outfall we located the outfall and determined the invert. This was verified by probing the outfall pipe at the edge of the box. At Hoey's Canal we probed the top of the Geisenheimer Canal box and the Hoey's Canal box to determine the point of intersection.</p> <p>The deliverable for this survey were plan and profile drawings of Geisenheimer Canal which were included in a master set with Loumor Ditch and Woodvine Ditch.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2020	N/A	Survey Cost: \$25,920

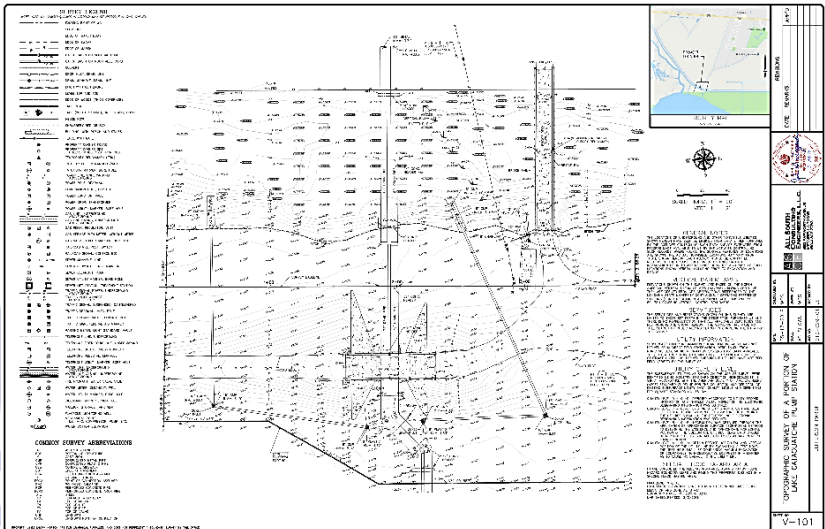
TEC Professional Services Questionnaire

PROJECT NO. 3						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Woodvine Ditch Topographic Survey <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>This survey is for drainage improvements to the Woodvine Ditch beginning at the western right of way of Nassau Drive and following the drain line west-southwesterly across the parking lot that lies on the north side of the swimming pools and tennis courts to the eastern side of the golf course where the drain line turns in a southerly direction and heads south-southwest to its discharge point into Geisenheimer Canal at the north right of way of Airline Highway.</p> <p>The topographic survey over the existing 54" RCP drain line followed the line from Nassau Drive south across the Metairie Country Club Golf course to its tie in point at Geisenheimer Canal. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route.</p> <p>Deliverables were plan and profile sheets that were included with the master set of Loumor Ditch Outfall, Geisenheimer Canal and Woodvine Ditch.</p> <div style="text-align: center; margin-top: 20px;">  </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 10px;">N/A</td> <td style="text-align: center; padding: 10px;">Survey Cost: \$16,720</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	N/A	Survey Cost: \$16,720
Entire Project:	Work for which Firm was Responsible:					
N/A	Survey Cost: \$16,720					
February 2020						

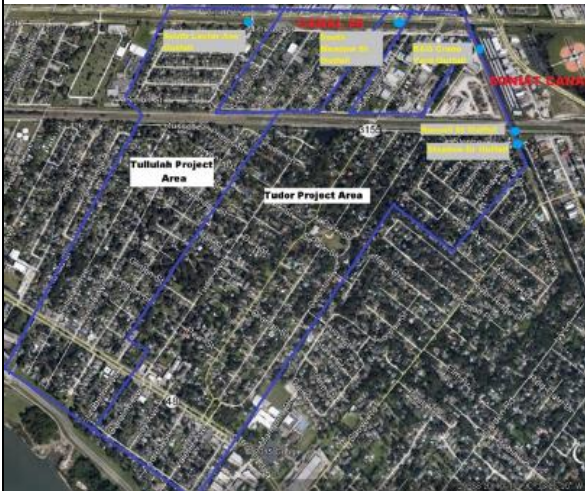
TEC Professional Services Questionnaire

PROJECT NO. 4						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Loumor Outfall Ditch Topographic Survey <i>Jefferson Parish, Louisiana</i></p> <p>Mr. Neil Schneider, P.E. Director of Capital Projects 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>This survey is for drainage improvements to the Loumor Outfall Ditch beginning at the southwest corner of Pontiff Playground and running southeast then turning in a south-southwesterly direction along the northern and western boundary of Metairie Club Estates Subdivision to its discharge point into Geisenheimer Canal and the north right of way of Airline Highway.</p> <p>This survey route follows the 78" X 122" RCAP along the western edge of Metairie Country Club Golf course, then southeasterly and finally south to Geisenheimer Canal just north of Airline Highway. Improvements along that route were located along with trees, with size and species and topographic features on the golf course, which included ties, sand traps and the raised greens that fell in the route.</p> <p>We also located the maintenance facility for the golf course, ponds and a pump house that were near the drain route.</p> <p>Deliverables for this project were plan and profile sheets that were included with the master set of Loumor Ditch Outfall, Geisenheimer Canal and Woodvine Ditch.</p> <div style="text-align: center;">  </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="width: 50%; padding: 5px; text-align: center;">N/A</td> <td style="width: 50%; padding: 5px; text-align: center;">Survey Cost: \$19,340</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	N/A	Survey Cost: \$19,340
Entire Project:	Work for which Firm was Responsible:					
N/A	Survey Cost: \$19,340					
<p>February 2020</p>						


TEC Professional Services Questionnaire

PROJECT NO. 5						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Lake Cataouatche Pump Station Topographic Survey <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Drainage Department Jefferson Parish Government Mitchell T. Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>All South prepared a topographic survey at the site of the proposed pump station on the northern shore of Lake Cataouatche. The new site lies south of the existing pump station and just north of the flood wall. The survey included cross sections of the proposed site and adjacent canal, location of improvements, the existing discharge pipes, roadways and the floodwall.</p> <div style="text-align: center;">  </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;">Entire Project:</td> <td style="width: 50%; padding: 5px; vertical-align: top;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="width: 50%; padding: 5px; text-align: center;">N/A</td> <td style="width: 50%; padding: 5px; text-align: center;">Survey Cost: \$4,495</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	N/A	Survey Cost: \$4,495
Entire Project:	Work for which Firm was Responsible:					
N/A	Survey Cost: \$4,495					
<p>May 2019</p>						


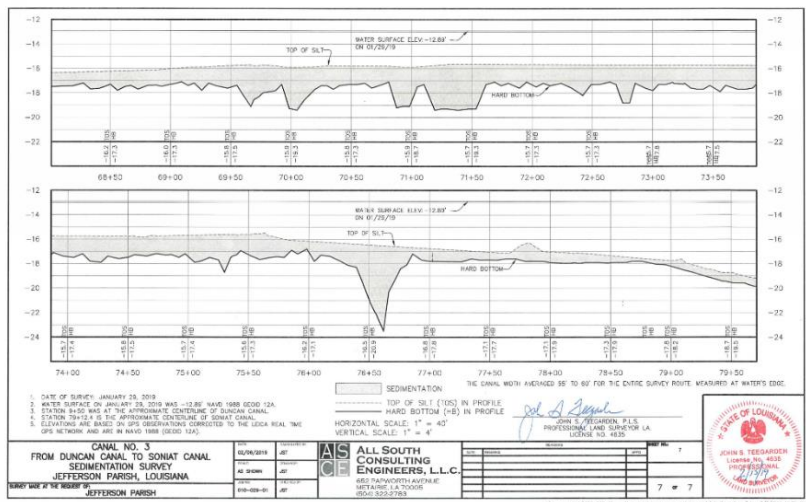
TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Tudor and Tallulah Drainage Improvements, <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government Neil Schneider, Capital Projects 1221 Elmwood Park Blvd. Jefferson, Louisiana 70123 (504) 736-6500</p>	<p>All South was selected by Jefferson Parish to analyze the drainage requirements in this project area. The goal of this analysis is to provide a master plan that will result in no street flooding due to the 10-yr, 24-hr rainfall event. This report includes the study results, drainage recommendations and cost estimate with recommended phasing.</p> <p>The Tudor and Tallulah project area is located in River Ridge, Louisiana and includes Caroline Street, Tudor Avenue, Tallulah Avenue, Russell Street, Stephen Drive and South Lester Avenue from the Mississippi River to Canal #6 and from Florida Avenue to Soniat Canal. This area is located in Jefferson Parish and regularly experiences significant street flooding within the project area.</p> <p>All South performed a hydrologic and hydraulic analysis on each drainage area to examine the existing drainage patterns. Existing topography, culvert sizes and slopes were used to determine the adequacy of the existing system. A 10-year storm event with a rainfall of 7.8 inches in a 24-hour period was used to analyze each system. Peak flows were determined using the EPA SWMM method. Using the same design storm and criteria, an analysis of the required drainage capacity was also performed to help identify improvements.</p> <p>All South provided the study and recommendations with cost analysis to improve the systems. As a result of this report, All South was tasked with the permitting, design and construction management of increased capacity collection system, new pumping station, and out fall system. Collection system improvements include the removal 1,000 feet of 54" reinforced concrete pipe and installation of new 72" RC P. This process involves the relocation of several utilities and the design of concrete conflict box. This 72" RCP will be installed within a 96" steel Pipe jack and bored under an existing CN Railroad track. As part of the permit, All South will design a cofferdam system for approval by CN Railroad. The new pumping station will have a 165 CFS capacity, generated with three vertical mixed flow pumps with controls. The out fall will consist of 36" steel pipes out falling into an existing drainage canal. The existing drainage canal will be outfitted with new concrete headwalls and bottom slab to prevent erosion. As part of this project All South's survey crews collected data on existing drainage structures along the CN Railroad right of way.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2017	\$260,000	Survey Fee: \$60,000

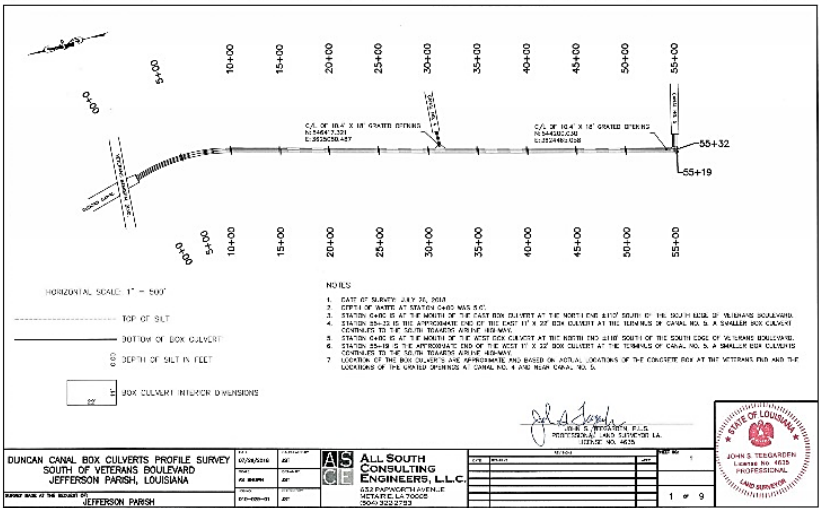
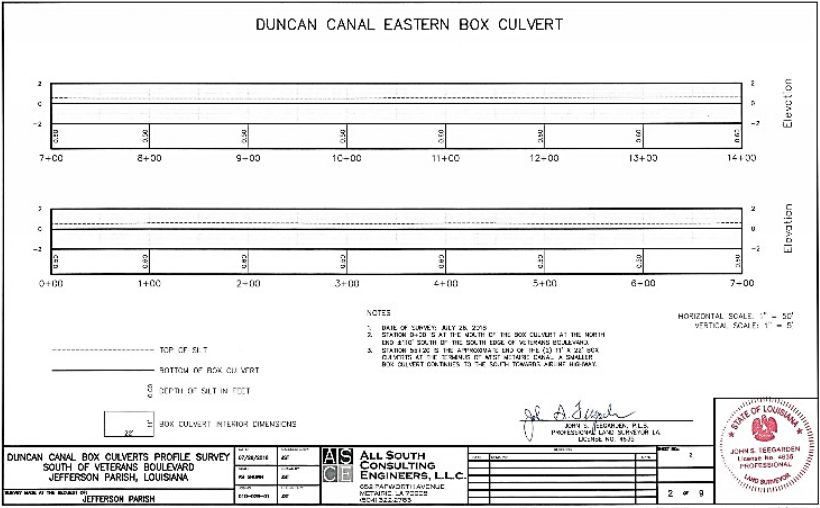
TEC Professional Services Questionnaire

PROJECT NO. 7						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
<p>Alidore Drainage Improvements and Statewide Flood Control <i>Lafourche Parish, Louisiana</i></p> <p>Lafourche Parish Government James Barnes Public Works Director P.O. Box 425 Mathew, LA 70375 (985) 532-8235</p>	<p>The Lafourche Parish Government asked All South to develop a drainage plan to improve drainage in the Alidore community. This community, which is over 30 years old, consists of small lots, and very tight drainage and utility features.</p> <p>In order to properly plan these improvements, All South conducted a topographic survey of this area for this project. This survey included cross sections of the roadside ditches, location of drainage culverts and drop inlets, and hydrographic surveys using GPS of the main drainage canals that bordered the survey area. The survey data was used to create a model of the area to be used in sizing the pumps for a new pumping station.</p> <p>Surveying Services:</p> <ul style="list-style-type: none"> Topographic Survey Hydrographic Survey Courthouse Research Research Courthouse Records to establish right of way for drainage, pipeline and railroads Prepared Right of Way Plat for new pump station <div style="text-align: center; margin-top: 20px;">  </div>					
<p>Completion Date (Actual or estimated):</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="width: 50%; padding: 10px; text-align: center;">\$3,230,645</td> <td style="width: 50%; padding: 10px; text-align: center;">Survey Fee: \$15,000</td> </tr> </table>		Entire Project:	Work for which Firm was Responsible:	\$3,230,645	Survey Fee: \$15,000
Entire Project:	Work for which Firm was Responsible:					
\$3,230,645	Survey Fee: \$15,000					
<p>July 2020</p>						



TEC Professional Services Questionnaire

PROJECT NO. 8					
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:				
<p>Jefferson Parish Canal Sedimentation and Debris Surveys <i>Jefferson Parish, Louisiana</i></p> <p>Jefferson Parish Government Mitchell T. Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>All South is performing hydrographic surveys of selected drainage canals and box culverts in the Jefferson Parish Drainage System. The purpose of these surveys is to monitor the amount of sediment accumulating in the drainage system. All South utilizes its Z-Boat (a 6-foot long remotely controlled hydrographic survey boat) to perform these surveys. The Z-Boat is equipped with a single beam dual frequency echo sounder capable of defining the amount of sediment accumulating in the canals and drainage structures. This is accomplished by using two frequency during the survey. The high frequency sound waves are reflected by the top of the sediment layer and the low frequency sound waves penetrate the sediment and are reflected by the solid bottom. These surveys are presented as profiles and show the top of sediment elevations and the elevation of the solid bottom.</p> <div style="text-align: right; margin-top: 10px;">  </div>				
					
Completion Date (Actual or estimated):	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Entire Project:</td> <td style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center; padding: 5px;">N/A</td> <td style="padding: 5px;">Survey Cost: \$75,000</td> </tr> </table>	Entire Project:	Work for which Firm was Responsible:	N/A	Survey Cost: \$75,000
Entire Project:	Work for which Firm was Responsible:				
N/A	Survey Cost: \$75,000				
Project is Ongoing by Task Assignments					

TEC Professional Services Questionnaire

PROJECT NO. 9					
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:				
<p style="text-align: center;">Duncan Canal Box Culverts <i>Kenner, Louisiana</i></p> <p>Jefferson Parish Government Mitchell T. Theriot, P.E., Director of Drainage 1221 Elmwood Park Blvd Jefferson, Louisiana 70123 (504)736-6753</p>	<p>All South was tasked with providing a survey to show the depth of silt that has accumulated within the 11' x 22' box culverts that start south of Veterans Boulevard to a point south of the intersection with Canal No. 5 (West Metairie Avenue) and the end of the double box culvert. All South's remotely controlled boat was utilized with a dual frequency echosounder to obtain depths to the top of silt and the concrete bottom of the box culvert. The deliverable for this project was a report of the survey results and plotted profile sheets prepared for each box.</p> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: center; margin-top: 20px;">  </div>				
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">September 2018</p>	<p style="text-align: center;">Estimated Cost:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;">Entire Project:</th> <th style="width: 50%; padding: 5px;">Work for which Firm was Responsible:</th> </tr> <tr> <td style="text-align: center; padding: 10px;">N/A</td> <td style="text-align: center; padding: 10px;">Survey Cost: \$11,000</td> </tr> </table>	Entire Project:	Work for which Firm was Responsible:	N/A	Survey Cost: \$11,000
Entire Project:	Work for which Firm was Responsible:				
N/A	Survey Cost: \$11,000				

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Breakwater Drive Improvements <i>New Orleans, Louisiana</i></p> <p>City of New Orleans 1300 Perdido Street New Orleans, LA 70112 (504) 658-8000</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>All South conducted a topographic survey that included cross sections of the existing rock jetty and extending inward to the far edge of Breakwater Drive, location of existing utilities and improvements. Standard hydrographic soundings were obtained within Lake Pontchartrain bordering Breakwater Drive and extending into the harbor. Side scan sonar imaging was also performed on the Lake side to assist in the location of submerged dolphins, pilings, existing boat ramps, the extent of the rock jetties and any other encumbrance that couldn't otherwise be located with standard soundings. A georeferenced 3D image was also generated for easy readability of said submerged objects. It was also used to determine the condition of the boat ramps and concrete break-wall</p> <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2020	\$5,924,000	Survey Cost: \$649,000

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. IMC Construction	Jefferson Parish	Result: <i>Settled</i> <i>Filed 2019, Settled 2024</i> Industrial & Mechanical Contractors, Inc., vs. Parish of Jefferson, et al. – Indemnification – Bellemeade at Ginette, Third Party demand of indemnification on sewer pump station, IMC sued Jefferson Parish for breach of contract, Jefferson Parish named All South for indemnification
2.		
3.		
4.		

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



All South Consulting Engineers, LLC is a Limited Liability Company owned by Timothy Bonura, Jens J. Nielsen Jr., and Stephen Smith. Established in May 2004, All South is a multi-disciplinary firm that provides Civil and Structural Engineering, Land and Hydrographic Surveying, Program and Grant Management, Construction Administration and Inspection, and Disaster Management to federal, state, and municipal agencies, as well as private clients throughout the Gulf Coast.

» PROFESSIONAL TRAINING AND EXPERIENCE «

All South Consulting Engineers, LLC is a Louisiana Licensed multi-disciplinary firm that provides Civil and Structural Engineering, Land and Hydrographic Surveying, Construction Administration, and Resident Inspection Services. (LA Engineering License No. EF.0003140; LA Survey License No. VF.0000730)

All South offers outstanding surveying services from leading professionals, including our Professional Land Surveyor. As Vice President and Survey Division Manager, Mr. John S. Teegarden, PLS has extensive experience in all aspects of land surveying which he has acquired over his 30-year career.

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
All South Consulting Engineers, LLC	652 Papworth Avenue Metairie, Louisiana 70005

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000730	Active	12/02/2014	03/31/2025	Mr. John S. Teegarden # PLS.0004635

TEC Professional Services Questionnaire

The resumes included in Section K of the SOQ provide a clear illustration of the qualifications, experience, and expertise of our proposed staff. Our team of Professional Land Surveyors, Land Survey Interns, Survey Party Chief, Survey Technicians, and Inspectors obtain professional qualifications that allow for satisfactory work, which cumulatively include:

- | | |
|--|---|
| ✓ ATSSA Traffic Control Supervisor | ✓ LaDOTD Asphalt Paving Inspector/Technician |
| ✓ ATSSA Traffic Control Technician | ✓ LaDOTD Embankment and Base Course Inspector |
| ✓ ATSSA Traffic Control Flagger | ✓ LaDOTD Structural Concrete Inspector |
| ✓ OSHA Heat Illness Prevention for Workers in General Industry | ✓ LaDOTD Portland Cement Concrete Paving |
| ✓ Transportation Worker Identification Credential | |

SURVEYING CAPABILITIES

All South's Surveying Division has a client list that includes the following parishes, municipal and state organizations: Jefferson Parish, Plaquemines Parish, St. Bernard Parish, Orleans Parish, St. Tammany Parish, Lafourche Parish, Terrebonne Parish, East Baton Rouge Parish, Livingston Parish, Ascension Parish, Coastal Protection and Restoration Authority, City of Gretna and City of Slidell. Projects range from topographic surveys for design of new facilities and infrastructure to bathymetric surveys for coastal restoration and drainage maintenance. All South Firm capabilities and services include but are not limited to the following:

- | |
|------------------------------------|
| ✓ Boundary/ALTA-NSPS Survey |
| ✓ Construction Survey |
| ✓ Control Survey |
| ✓ Data Processing |

- | |
|-------------------------------|
| ✓ Elevation Survey |
| ✓ Expert Witness |
| ✓ GIS Data Acquisition |
| ✓ HDS Laser Scanning |

- | |
|------------------------------|
| ✓ Hydrographic Survey |
| ✓ Pipeline Survey |
| ✓ Topographic Survey |
| ✓ Right of Way |

All South possesses the staff and capability to offer licensed surveying services, including land and hydrographic survey services. Our land survey crews have completed multiple coastal and flood protection relation projects through the pre-site survey, setting project control points, dredging and borrow quantity measurement, and as-built surveys.

All South is also a leading provider of hydrographic surveying services. We are experienced with single-beam, multi-beam, and side-scan sonar surveys and efficiently process hydrographic data with HYPACK software. Our 26' survey vessel is outfitted with a dual-frequency echosounder to take on large hydro projects. The 6' Z-Boat remote survey boat allows us to access sites where a manned boat can't be used.



EQUIPMENT & SOFTWARE:

- | | |
|--|---|
| • GPS (Global Positioning System) | • Tritech Starfish 990F side scan sonar |
| • Leica GS-14 GPS Receivers | • Getac X500 Laptop with Hypack Hydrographic Software |
| • AutoCAD Stations Civil 3D, Microstation, InRoads, CadConform | • G-882 Magnetometer |
| • 26' Scully Aluminum Boat with Dual 150 HP motors | • Four wheel off road vehicles / marsh buggies |
| • 14' Aluminum Flat Boat | • Hypack – Hydrographic software |
| • 6' Z-boat, remotely operated hydrographic survey boat | • LEICA Geo – GPS Software |
| • Odom Hydrographic CV100 dual frequency Echosonde | |

TEC Professional Services Questionnaire

RESIDENT INSPECTION CAPABILITIES:

All South has the ability to draw from knowledge gained from previous work within Jefferson Parish and the surrounding area, for which All South has performed surveying, engineering design, cost estimation and analysis, construction administration, construction close out, and resident inspection services. To ensure the accuracy of project quantity totals and costs throughout the life of these projects, All South provides recorded quantities and observations via customized daily work reports. These reports are used by All South and DPW to guarantee accuracy of project quantities used in Contractor invoicing to anticipate quantity overruns/underruns and keep projects on schedule. All South has extensive familiarity with construction projects throughout the region in reviewing reports and verifying Contractor monthly invoices with various platforms and software. All South uses this experience to optimize the product for our clients. All South also submits innovative, customized daily photo work reports which include inspection photos with relevant descriptions of the work being performed. This is included separately with each daily work report done by the inspector.

Additionally, all inspection personnel remain compliant with USACE, DOTD, and DPW guidelines. To ensure compliance, All South developed an inspection manual and QA/QC plan for inspectors which outlines all the best practices and recommendations for inspectors and construction guidelines. ***Our firm is competent in all aspects of Construction Management/ Administration including but not limited to:***

✓ Bidding and Advertising	✓ Cost Control	✓ Close Out Documentation
✓ Resident Project Representative	✓ Safety Review	✓ As Built Drawing Development
✓ Document Control	✓ Field Engineering	✓ QA/QC

All South's Resident Inspectors have substantial experience including but not limited to:

- Reviewing specifications and plans for assigned project to ensure project is constructed as specified and drawn
- Inspecting and monitoring all work in progress
- Verifying that materials on site conform to specs and drawings
- Monitoring truckload deliveries/concrete truck deliveries
- Photographing activities on jobsites showing construction details
- Witnessing tests performed by testing agency
- Logging notes on daily reporting forms
- Attending any required project meetings on site
- Listing any jobsite visitors
- Documenting all health
- Safety or environmental incidents
- Documenting work stoppage or delays
- Reviewing daily notes for accuracy
- Developing lists of outstanding information required to complete projects

» SIZE OF FIRM «

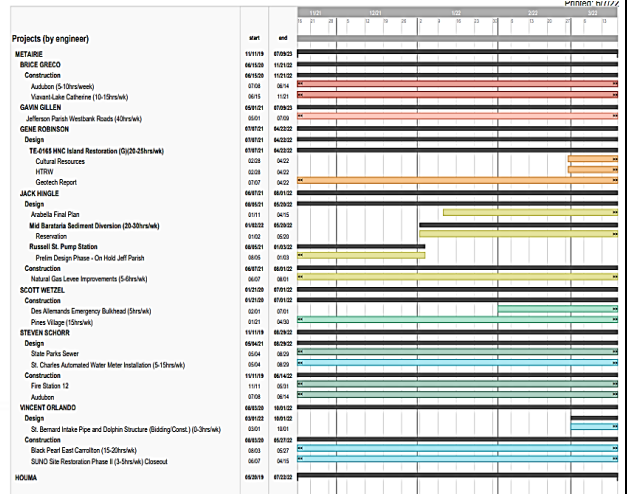
The All South staff includes 76 professionals driven to excellence and focused on our clients' needs. We are made up of 15 Louisiana Licensed Professional Engineers, 8 Engineering Interns, **2 Professional Land Surveyors, 2 Survey Party Chiefs, and 3 Survey Technicians.** Our staff also includes program managers, CADD technicians/draftsmen, grant specialist, field monitors and administrative support staff, all of which provide years of experience to help ensure that our work is exceptional.

TEC Professional Services Questionnaire

» CAPACITY FOR TIMELY COMPLETION «

With over 70 employees and ample resources, All South has more than enough capacity to meet any deadlines that the Parish requests. Our team is committed to and capable of meeting all schedules and deadlines that the Parish requests to ensure timely completion of all projects.

Additionally, we will utilize Team Gantt software for this project as a means of communication and accountability between consultants and Parish personnel. Team Gantt is an excellent project management tool designed to help create, manage, and finish projects on time and on budget. This software allows us to change start and end dates, reorder tasks, and adjust timelines seamlessly. It allows us to see every project update and document on a single page and quickly share them with both internal and external stakeholders. Team Gantt allows us to effectively manage resources, stay on budget, and ensure everyone is working but not overloaded. We can compare the original timeline projection with the actual timeline of the project with a baseline report. Parish personnel will be issued access to Team Gantt, so they can remain updated on the progress of the project at their own convenience.



All South takes pride in the quality control taken to ensure our survey and management practices account for accuracy, schedule, and costs for every project. If selected, All South will implement our quality control and assurance principles to Jefferson Parish projects through our qualified staff, innovative scheduling and surveying software, and innovative practices to control cost.

» PAST PERFORMANCE «

Over the past 21 years, All South has developed an outstanding reputation as one of the Gulf South's leading Engineering and Surveying firms. Aside from our technical experience, which is displayed throughout this proposal, All South stands out amongst competitors because of our unrivaled devotion to our clients and ability to meet their needs.

Our past performance within Jefferson Parish has given us a keen and nuanced understanding of the inner working of the various Parish departments, as well as the likings and needs of the Parish as a whole.

Our background has bred a sense of commitment, comradery, and the willingness to fight for our clients through every phase of a project. The satisfaction expressed by our clients can be directly accredited to not only our ability to deliver exceptional work that meets all contractual, time, and budgetary obligations, but also the genuine and lasting relationships we build throughout the process. As a direct result, our clients continue to choose All South. We believe this trend speaks very highly to our staff, our commitment, and our results. The staff members included in this proposal will employ these same levels of client devotion and satisfaction to Jefferson Parish.

» LOCATION OF THE PRINCIPAL OFFICE «

All South's home office is located at 652 Papworth Avenue, Metairie, Louisiana 70005.

» ADVERSARIAL LEGAL PROCEEDINGS «

Please refer to section M of this TEC Questionnaire.

TEC Professional Services Questionnaire

» PRIOR SUCCESSFUL COMPLETION «

Please refer to the project descriptions listed above to see All South's prior successful completion of similar projects, as well as their respective verifiable references.

All South has maintained a strong and successful working relationship with Jefferson Parish since 2004 and has continuously received positive feedback from Parish officials and personnel. We have completed several successful surveying projects for Jefferson Parish and look forward to continuing this great relationship.

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

Signature:

John S. Teegarden

Print Name: John S. Teegarden, P.L.S.

Title: Vice President/ Survey Division Manager

Date: March 6, 2025



Section Three

TEC Form for The Beta Group

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:

Provide Professional Engineering Services related to the Design and Construction of the Ames Boulevard Lighting Project (Lapalco to Barataria) Resolution No. 145729

B. Firm Name & Address:

The Beta Group Engineering and Construction Services, LLC
1428 1/2 Claire Ave
Gretna, LA 70053

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:

Alex Jaramillo, P.E.
Geotechnical Engineer
alexj@betagrouppgc.com
504-227-2273

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.

Alex Jaramillo, P.E.
Geotechnical Engineer
alexj@betagrouppgc.com
504-227-2273

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

<u>4</u> Administrative	<u>1</u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u>1</u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>1</u> Civil Engineers	<u> </u> Interior Designers	<u>4</u> Project Managers
<u>16</u> Construction Inspectors	<u> </u> Landscape Architects	<u>3</u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>1</u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u>31</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.		
2.		
3.		

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Murray White
President/ Quality Assurance

Project Assignment:

Quality Assurance

Name of Firm with which associated:

The Beta Group Engineering and Construction Services

Years' experience with this Firm:

27 years with The Beta Group

Education: Degree(s)/Year/Specialization:

1991-1994, coursework, University of Mississippi
1994-1995, coursework, Nicholls State University

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. White has served as President of Beta since 1999. In his years with the firm, he established and maintained an appropriate quality assurance program at various levels of the organization. He has performed all required inspections and tests to maintain quality control and assure compliance to specifications, codes, and standards on multiple projects. Further, Mr. White established and maintained equipment calibration procedures and records, and provided detailed inspection procedures for various projects. In his career, Mr. White served as a Field Technician with another firm. He performed all necessary inspections and tests required to maintain quality control and assure adherence to project specifications, codes, and standards. He also dispatched inspectors to requested project sites to perform numerous tasks for contractors

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Alex Jaramillo, P.E.
Project Assignment:
Geotechnical Engineer
Name of Firm with which associated:
The Beta Group Engineering and Construction Services
Years' experience with this Firm:
13 with The Beta Group 16 with other firms
Education: Degree(s)/Year/Specialization:
B.S./1999/Civil Engineering, University of New Orleans
Active registration: Year first registered/discipline:
2011, Civil Engineering, Louisiana No. 36324
Other experience and qualifications relevant to the proposed Project:
Mr. Jaramillo is responsible for: All geotechnical activities including performing subsoil explorations, completion of soils laboratory testing, geotechnical analyses for projects and completion of the geotechnical report; Preparation, presentation and management of scope, budget, and work plan; Review daily field inspection reports for accuracy and completeness; Monitor the soil laboratory activities; Coordinate logistics; Supervise and interpret field & laboratory testing/data for use in engineering analyses; Ensure services provided are technically satisfactory and effective; Monitor that the project goals and quality objectives are being provided; Responsible for routine communication with client during the project; Prepare and review technical reports and ensure on-time delivery.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Benjamin Kempton Project Manager
Project Assignment:
Geotechnical Project Manager
Name of Firm with which associated:
The Beta Group Engineering and Construction Services
Years' experience with this Firm:
13 years with The Beta Group
Education: Degree(s)/Year/Specialization:
N/A
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Mr. Kempton has over 13 years of experience in the Geotechnical Investigation field. In his time at The Beta Group, he has served as the Geotechnical Project Manager and is responsible for the following: all Geotechnical activities including performing subsoil explorations, preparation, presentation and management of scope, budgets and work plan, coordinating logistics such as staffing and sub-consultants, ensuring services provided are technically satisfactory and effective, monitor that project goals and objectives are being provided, routine communication with clients during duration of projects, supervise, train, and mentor personnel in company procedures, prepare technical reports and ensure on-time delivery of the reports, troubleshoot project issues and conflicts.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Hannah Jenkins, E.I. Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
The Beta Group Engineering and Construction Services
Years' experience with this Firm:
3 years with The Beta Group
Education: Degree(s)/Year/Specialization:
B.S./2022/Civil Engineering, University of New Orleans
Active registration: Year first registered/discipline:
2022, Civil Engineering, Louisiana No. 0035175
Other experience and qualifications relevant to the proposed Project:
Ms. Jenkins has worked as a Geotechnical Engineer since May of 2022 after completing her Internship which began September 2021. In her time at The Beta Group she performs analyses including, but not limited to Deep Foundation Design, Lateral Pile Analyses, Pavement Design, Seepage Analyses, Settlement Analyses, Sheet Pile Analyses, Slope Stability, Time Rate Analyses. She has worked with a variety of clients to perform analyses under the respective standards and regulations required at State and Local levels. She also writes proposals, fee schedules, and reports to be delivered to clients. To prepare reports and perform various analyses, she has gained experience with gINT and other geotechnical programs. She also has hands-on experience testing materials in the Materials Testing Lab and logging soil samples in the field.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Edward Lazier
Project Assignment:
Senior Driller
Name of Firm with which associated:
The Beta Group Engineering and Construction Services
Years' experience with this Firm:
11 with The Beta Group 9 with other firms
Education: Degree(s)/Year/Specialization:
N/A
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Mr. Lazier conducts and oversees the site investigation/ geotechnical drilling. He also maintains a water well contractor's license through the Louisiana Department of Energy and Natural Resources. Mr. Lazier has overseen drilling operations for various projects including roadways, marshes, and wooded areas.

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:	
<p>Proposed Roadway Borings (Meraux Business Park) Park 1 (Chalmette, LA)</p> <p>St Bernard Parish Government (Dept. of Public Works) 1125 East St. Bernard Hwy. Chalmette, LA 70043</p>	<p>The Beta Group (TBG) explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took three undisturbed soil borings to a depth of 6 ft. below the ground surface in the general area of the proposed project. These bores were obtained from both a truck mounted and ATV mounted rig. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. TBG provided design recommendations for roadway thickness and base material.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021		\$2,500

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Drainage Improvements (Carville, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took two undisturbed soil borings to a depth of 30 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Design recommendations were given for bedding and backfill material and compaction. Recommendations were also given for construction excavation, pavement and its base material, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021		\$4,500

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Proposed Parking Lot & Roadway (Belle Chasse Primary School) (Belle Chasse, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took 8 undisturbed soil borings up to a depth of 50 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. The following analyses were performed: deep foundation, pile load capacities, and lateral pile. Design recommendations were given for asphalt pavement and roadway including base and subbase material and compaction. Construction quality control measures were also recommended.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022		\$7,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roadway Borings (Terry Parkway from US90B to LA Hwy 23) (Terrytown, LA)</p> <p>Jefferson Parish Capital Projects 1221 Elmwood Park Blvd. Suite 906 Harahan, LA 70123</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took seven undisturbed soil borings up to a depth of 10 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on the lab results, pavement and base material design recommendations were provided.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022		\$13,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roundabout (Slidell, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took seven undisturbed soil borings up to a depth of 50 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Design recommendations were given pavement thickness, base course material and compaction. Shallow foundation and estimated settlement analyses was also performed based on boring and laboratory test data. Recommendations in the following areas were also provided: pipe bedding and backfill, geotextile fabric, site preparation, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022		\$10,900

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Drainage Improvements (Metairie, LA)</p> <p>Jefferson Parish Sewerage Dept. 1221 Elmwood Park Blvd. Suite 803 Harrahan, LA 70123</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took two undisturbed soil borings to a depth of 50 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on borings and laboratory results, analysis for a proposed sheet pile wall were provided. Construction quality control recommendations were also provided.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$5,900

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Proposed Lift Station (Madisonville, LA) Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001	The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to a depth of 60 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on details of the proposed project and laboratory results, design recommendations for the lift station were provided. Additional analyses performed include: soil bearing capacity, estimated settlements, volumetric change. Recommendations for bedding material, construction excavation, dewatering, and construction quality control were also provided.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$4,200

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Proposed Sylvia Estates Pump Station (Violet, LA) Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001	The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took two undisturbed soil borings to a depth of 100 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on borings and laboratory results, deep foundation analysis was performed which included pile load capacities, estimated settlement, and pile driving. Design recommendations were made for a sheet pile wall, roadway thickness and base material, and geotextile fabric.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$17,500

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Pavement and Drainage Improvements (Jefferson LA)</p> <p>All South Consulting Engineers 652 Papworth Ave Metairie, LA 70005</p>	<p>The Beta Group explored the subsurface conditions and provided geotechnical design recommendations for the project, site preparation, and quality control measures. The drill crew took one undisturbed soil borings to a depth of 20 ft. below the ground surface in the general area of the proposed project. The bore sample underwent the following laboratory tests: Atterberg limits, unconfined compression tests, unit weight determination, natural moisture content, sieve analysis. Based on the boring and laboratory results, a soil bearing capacity analysis was done and bedding, backfill, and geotextile recommendations were made. Recommendations for site preparation, quality control, roadway, and pavement were also given.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023		\$6,400

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Proposed Roadway Borings (Tammany Terrace Subdivision) 20-1813A Phase #A/B (Covington, LA)</p> <p>Meyer Engineers 4937 Hearst St Suite 1B Metairie, LA 70001</p>	<p>The purpose of the Geotechnical Investigation was to explore subsurface conditions and provide recommendations for the geotechnical design of four new roadways and the extension of an existing roadway within the existing Tammany Terrace Subdivision. A total of five undisturbed soil borings were drilled and laboratory tests were conducted. The following tests were done on the soil bores: Atterberg limits, unconfined compression tests, natural moisture content, and unit weight determination. Design considerations for the roadway and construction recommendations were made to the contractor. The Beta Group made engineering and construction recommendations in the following areas, pavement, asphalt, geotextile fabric, volumetric change of soils, earthwork site preparation and quality control, and construction quality control.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024		\$3,600

TEC Professional Services Questionnaire

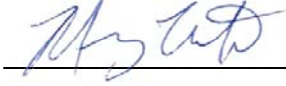
M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

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.

The Beta Group (TBG) has provided geotechnical investigations for over 10 years throughout the Greater New Orleans Area for a large variety of projects. TBG has the ability to drill soil bores in roadways, grassy fields, wooded areas, marshes, and open water. All drilling operations are conducted and supervised by experienced drillers and project manager.

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

Signature:  Print Name: Murray White
 Title: President Date: 03/ 06 /2025

Section Four

Pivotal Engineering – SOQ Packet

SOQ – Table of Contents

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Section 1 - Introduction

Completing engineering projects in the Greater New Orleans area requires a unique blend of technical experience, well-developed understanding of local environmental conditions and sensitivity to community stakeholders. The **Pivotal Engineering, LLC** (herein referred to as “team” or “the team”) has a proven track record in delivering quality professional engineering and emergency assessments. The reputation of each firm stands alone as a leader in their respective disciplines. For this project, maximum attention will be given to the technical, social, environmental, and innovative aspects of assessments, design, and maintenance.

The foundation of our team is comprised of both their well-established working relationship and the comprehensive skill set they have collectively. Each firm brings a strong background in one or more of the following disciplines:

- Electrical Engineering
- Civil Engineering
- Environmental Engineering
- Coastal Restoration
- Transportation Engineering
- Structural Engineering
- Mechanical Engineering
- Facility Assessments
- Data Collection
- Data Management
- Data Analytics & Visualization
- Construction Management
- Construction Inspection
- Disaster Response
- Disaster Recovery
- Grant Management

Under these disciplines, each team member brings strong technical skills not only in the fundamental of engineering design, but in the latest trends, approaches and software needed for modern solutions. The team is well established in database management, geographic information systems (GIS), hydrologic/hydraulic modeling, computer-aided design and real-time monitoring equipment. Our team’s capabilities will provide Jefferson Parish with the most effective and efficient approach for providing high quality services.

As guiding values, the team strives for open communication and continual improvement. With each

project, internal processes and methodologies are revised to ensure that planning, design and decision-making conversations are facilitated with efficiency and effectiveness. Each concept is vetted with considerations for innovation, resiliency, added value and technical feasibility. Engineering design must encompass classical theory, industry standards, modern technology and a touch of revolution.

Our team will provide an optimized concurrent engineering environment that provides an opportunity to substantially reduce the design time and total cost of a project. Pivotal includes skilled members from the various disciplines, which enables a simultaneous contribution to an early project definition and increased likelihood of reduced lifecycle cost. Our team is well positioned to avoid costly alterations later in the design process.

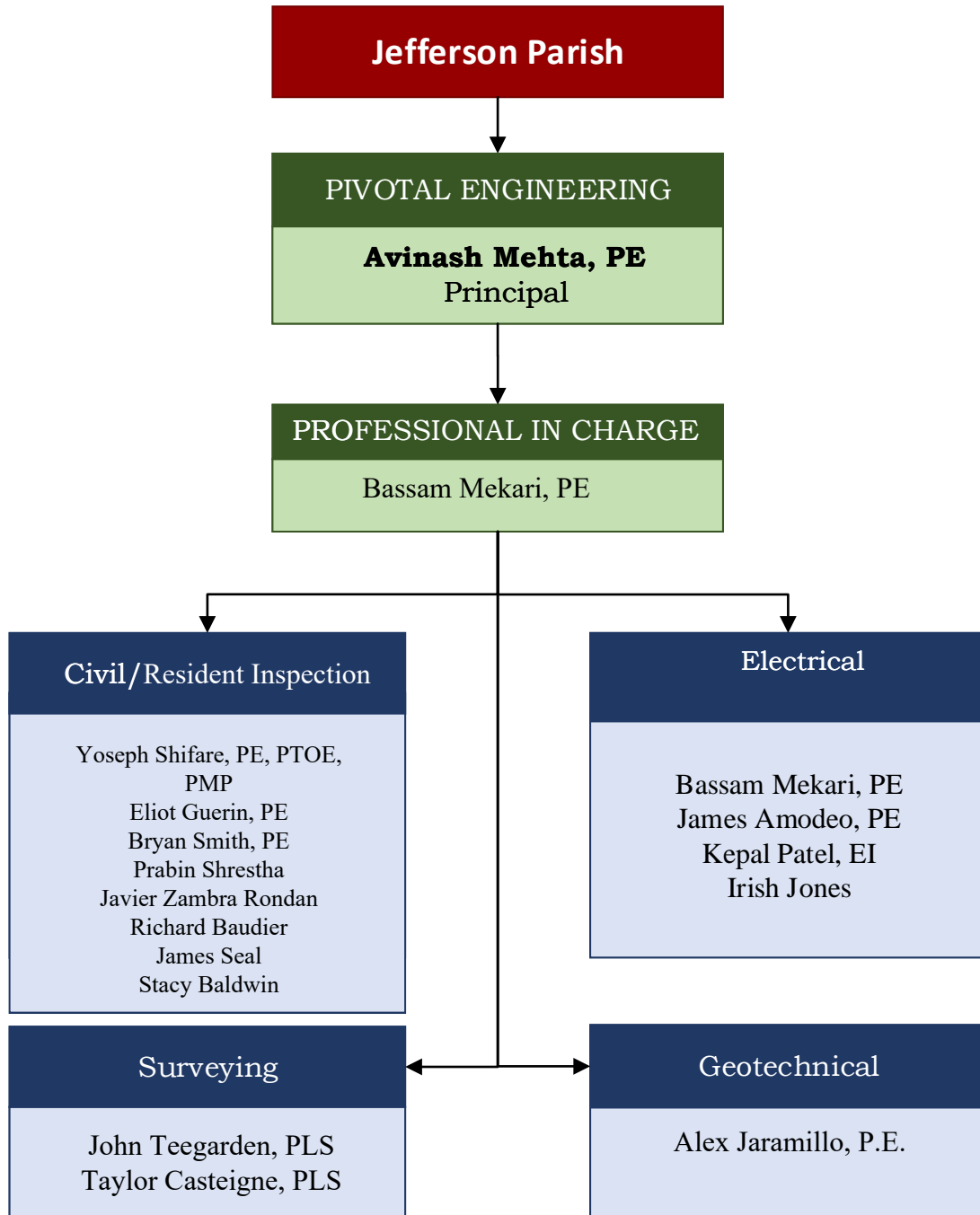
Our management team is comprised of experienced managers and task leaders with proven leadership, thoughtfully bringing together capable team members with exceptional technical skills and supporting them with good QA/QC processes. Open lines of communication and weekly internal conference calls will ensure that each project is managed successfully, on time, and within budget and schedule.

Our team is committed to defining the project and setting expectations as our first step toward making that project a success. We, as a team, will apply various techniques for project estimation and cost control including:

- Setting Expectations Early, Review Often
- Planning the Project Budget
- Keeping Track of Costs
- Establishing a Communication Plan
- Maintaining Effective Time Management
- Implement Project Change Control
- Use of Earned Value to Monitor Both Cost and Schedule

Our aim is to provide local talent combined with industry subject matter experts who can guide Jefferson Parish to the optimal solution and manage the implementation to a successful outcome.

Organizational Chart



Key Personnel Qualifications

Pivotal's Key Personnel have proven excellence in managing projects from cradle to grave while providing value engineering, which saved our clients hundreds of thousands of dollars. Our staff was essential in helping metropolitan New Orleans in expediting its post Katrina recovery by handling and completing over 50 critical City, Parish and/or FEMA funded projects. The current staff of Pivotal has extensive experience managing a variety of complex projects from conception to construction.

The majority of the teams's staff has extensive design as well as construction experience. This advantage minimizes contractor change orders, expedites project schedules and improves project details. Our Engineers have great track records with helping our clients meet compressed deadlines while eliminating unnecessary expenses yet delivering better than the intended product. We have also proven to our clients our added "Value Engineering" on several projects, which resulted in direct savings of hundreds of thousands of dollars.

Principal

Avinash Mehta, PE
Principal – Client Relations

Education

M.S. Civil Engineering, University of Central Florida, 2003

B.S. Civil Engineering, NMU – India, 2000

Professional Associations

LA PE # 35100

Experience

Mr. Mehta serves as a Principal of Pivotal Engineering. Mr. Mehta has over 18 years of experience managing civil and

environmental engineering projects including project budget, schedule and scope, coordination of resources, business development and client liaison activities. His experience includes the project management for A&E projects, process and design, civil engineering, water and wastewater engineering, drainage design and permitting, wastewater system design, potable water system design, conceptual planning, and design for coastal restoration projects.

Project Manager

Yoseph Shifare, PE, PTOE, PMP
Project Manager/Sr. Civil Engineer

Education

M.S. Civil Engineering, University of Louisville, Kentucky, 2014

B.S. Civil Engineering, University of Asmara, Eritrea, 2001

Professional Associations

LA PE # 42747

LA PTOE

LA PMP

Experience

Mr. Shifare serves as a Project Director of Pivotal Engineering in charge of Civil/Transportation engineering projects. He has over 19 years engineering, project and construction management experience for public infrastructures, industrial, commercial and private facilities. As a project director he designs, lead and manage the day-to-day efforts of engineers on projects that include roadway, traffic, drainage/storm water management, water and wastewater, and landfills. He is responsible to client liaison, manage the strategic aspects of project

engagement, review high-level project deliverables, provides leadership, project accounting and ensures the engineering practice meets or exceeds industry standard.

Electrical/Mechanical Engineering

Bassam Rossi Mekari, PE **Principal In Charge/ Senior Electrical Engineer**

Education

BS, Electrical Engineering, Louisiana State University 1987

MS in Electrical Engineering - 3 hours remaining

Professional Associations

LA PE # 31801, NFPA Member, ASHRAE Member, American Military Engineers

Experience

Mr. Mekari serves as a Principal of Pivotal Engineering and the Engineering Manager in charge of all of the electrical engineering projects. He has over 28 years of experience in designing and installing electrical distribution systems for public, commercial, and industrial facilities such as schools, fire stations, justice centers, police stations, street lights, lift stations, PLC automations and thermal reactors. He also designed/built electrical installations throughout the US and worldwide. Mr. Mekari has designed over 100 electrical systems and will be instrumental in the overall electrical design and project management.

James Amodeo, PE **Senior Mechanical Engineer**

Education

B.S. Mechanical Engineering, S.U.N.Y at Stony Brook, Stony Brook, New York

Professional Associations

Louisiana / Mechanical / 36489

Colorado / Mechanical / 36652

Experience

Mr. Amodeo serves as the Senior Mechanical Engineer for Pivotal Engineering. He has over 18 years of experience in designing and specifying mechanical and plumbing systems for municipal, industrial, commercial, process and manufacturing applications of all magnitudes. Mr. Amide is an ASHRAE Member, NSPE Member, and ASME Member.

Kepal Patel, EI **Electrical Engineer Intern**

Education

B.S. Electrical Engineering/University of New Orleans

Professional Associations

LA EI # 34453 / Electrical Engineering

Experience

Mr. Patel serves as an Electrical Designer for Pivotal Engineering. Mr. Patel designing experience includes CADD work, generally to show the pole location, laying out circuit design from the power source to individual poles, type of foundation used, type of fixture used and include its specifications. Currently, he is working on several JP streetlight projects and his role requires Voltage Drop Calculations, Conduit sizes, Wire sizes, grounding and bonding etc. and thus determine what kind of electrical components would be required for the installations.

Irish Jones
Electrical Designer

Education

5 years of college in Electrical Engineering –
University of Texas at Arlington

Experience

Mr. Jones serves as the senior electrical designer of Pivotal Engineering. He has over 40 years of experience in designing electrical installations (power distributions) for industrial and commercial applications of all magnitudes. He obtained his first-Class A electrical license in 1967 in Georgia. Being an electrical contractor for over 40 years, Mr. Jones has developed an extensive experience in not only designing and laying out electrical designs, but also in supervising the installations in the construction phase. His expertise allows the team to provide the BEST and MOST ECONOMICAL Electrical Design for any facility. Due to his experience as an electrician and a contractor, Pivotal will not need to depend on the In-plant electrician while conducting the electrical components field investigations.

**Civil/Environmental
Engineering**

Tarek Elnaggar, PE
Senior Environmental Engineer

Education

M.S. Civil Engineering, University of
California, Berkley, 1988

B.S. Civil Engineering, Louisiana State
University, 1985

Professional Associations

Louisiana/Civil/Environmental
Engineering/23832

Texas/Civil/Environmental
Engineering/85089

Mississippi/Civil/Environmental
Engineering/14839

Experience

Mr. Elnaggar serves as a Principal of Pivotal Engineering LLC. He is the lead civil and environmental engineer for the company. His 30 years of experience includes project management and design work in roadways, drainage, sewer, earthen levees, floodwalls, floodgates, and pump stations. He has performed multiple engineering projects for public and private clients on the local, state, and federal level. He has also served on the construction program management side with both municipal, and industrial clients, providing oversight of projects designed by other consultants, providing design reviews and coordination between the consultant and the multiple other agencies involved. His experience includes design and construction management for civil and environmental projects including municipal and industrial solid waste permitting, risk assessments, water permitting and compliance, air permitting and compliance, emission inventories and reporting, groundwater investigations, regulatory compliance, environmental process design, and permitting.

Bryan B. Smith, PE
Environmental Engineer

Education

MS / 2014 / Civil and Environmental
Engineering

BS / 2011 / Environmental Engineering

Professional Associations

LA PE # 0043843/ 2019

Experience

Mr. Smith serves as a project engineer at Pivotal Engineering, LLC in support of civil

and environmental engineering projects. His projects range from public to private sector and require effort in both the field and the office. He has experience in infrastructure design, project management, permitting, field sampling, flow rate testing and laboratory analysis.

Eliot Guerin, PE
Civil Engineer

Education

B.S. / 2018 / Civil Engineering

Professional Associations

LA PE #0047729 / 2023 / Civil Engineering

Experience

Mr. Guerin is a Civil Engineer with 3 years of experience at Pivotal Engineering, focusing on roadway, sanitary sewer, and storm drainage design. His project experience include roadway, traffic analyses, pavement structural design, use of geosynthetics, geometric design, line and grade analyses, pavement marking, intersection improvements, pedestrian and bicycle lanes or paths, excavation and embankment, traffic, drainage/storm water management, water and wastewater, and landfills. He is a very competent design engineer, and hydraulic & water quality modeler, and has excellent CIVIL 3D skills.

Javier Rondan Zambra, EI
Civil Designer

Education

M.S. Civil Engineering - 2021

B.S. Civil Engineering – 2018

Professional Associations

LA EI #035205 / 2022 / Civil Engineering

Experience

Mr. Rondan serves as a civil project engineer with over two (2) years of experience in the transportation sector with a special focus on highway design, construction, and maintenance. He is knowledgeable in traffic engineering design and operation. He is well versed in construction scheduling, means & methods for utility installations and green infrastructure integration.

Section 4 - Team Profiles & Experience

4.1 Team Profiles

4.1.1 Pivotal Engineering

Pivotal is a full-service engineering design firm based in New Orleans, Louisiana. Pivotal has established a reputation for providing superior service to its clients and delivering quality work on time and within budget. Pivotal's principals and staff have in excess of 200 years of combined experience in architectural, civil, mechanical, electrical, structural and environmental engineering as well as construction management, construction inspection and program / project management for both public and private entities across the Gulf South Region.

Pivotal Engineering is currently providing engineering and management services to many municipalities and state agencies in the region including; the City of New Orleans, Jefferson Parish, the City of Shreveport, St. Charles Parish, and St. John the Baptist Parish. These services have also been provided to private clients such as Entergy, Waste Management, and private developers. Pivotal Engineering has in depth understanding of procedures and regulations for local, state, and federal governmental agencies.

Pivotal has worked with private developers and government agencies to help deal with the challenges of economic revitalization, landfill development and brownfield reclamation in order to accommodate the growing infrastructure needs of urban cities. Our primary focus begins with assisting public sector agencies and private development companies to effectively plan and accommodate growth, in an environmentally sustainable manner. We have assisted urban renewal projects throughout all stages of project development including: analyzing zoning issues, planning commission interaction, conducting

public hearings, and fostering community visioning and support.

Street Lighting Projects

(1) Cousins Blvd Street Lighting Improvement, Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Cousins Blvd. Lighting Improvement (Oakmere Dr. to Woodmere Blvd.). The major scope of the improvement is installation of new street lighting system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts. The general design requirement of work for this improvement includes but is not limited to the following:

- a. Length of project is approximately 2600 ft (0.5 Mile) on Parish owned roadway
- b. Recommended pole spacing 140-150 ft
- c. Recommended 27.5 ft. poles, 30 ft. mounting height, 6 ft arm – Single Mast type installed on the south side of the roadway (canal side) , with 20-24" base
- d. Recommended LED lighting - ATB2 40BLEDE10 XXXXX R3 4K P7 PCLL in 4K color Temperature
- e. Recommended 2 feed points (240 volt)
- f. Underground junction box (handholds) is not required. Instead, dual fuse holders shall be used.
- g. Recommended Helical street light foundation
- h. Wiring in directional bore conduit

(2) Jamie Blvd. & W. Tish Dr. Lighting Improvements, Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope of the improvement is installation of new street lighting and retrofit existing street light system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts. The general design requirement of work for this improvement includes but is not limited to the following:

- a. The following two roadways are included in scope
Jamie Blvd. (US 90 to Cambay Dr.)
W. Tish Dr. (US 90 to Cambay Dr.)
- b. Length of project is approximately 2000 ft (0.4 Mile) each roadway on Parish owned roadway
- c. Recommended pole spacing 140-150 ft
- d. Jamie Blvd. recommended 27.5 ft. poles, 30 ft. mounting height, 6 ft arm – Double Mast type installed on the median, with 20-24” base (Typ. 3 each)
- e. W. Tish Blvd. recommended 27.5 ft. poles, 30 ft. mounting height, 6 ft arm – Single Mast type installed on the side of the road, with 20-24” base (Typ. 3 each)
- f. Both Jamie and W. Tish include retrofit existing street lighting by removing and replacing fixtures (Typ. 14 each).
- g. Recommended LED lighting fixture - ATB2 40BLEDE10 XXXXX R3 4K P7 PCLL in 4K color Temperature
- h. Recommended 1 feed points (120 – 240 volt) for each roadway
- i. Recommended Helical street light foundation
- j. Wiring in a directional bore conduit

(3) Metairie Road Lighting Improvements, Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Metairie Rd. Street Lighting Improvement (Bonnabel Blvd. to Orpheum Ave). The major scope of the improvement is installation of street lighting system. The general design requirement of work for this improvement includes but is not limited to the following:

- a. Length of project is approximately 8,500 ft (1.6 Mile) on parish owned back of curb to property line right of way.
- b. Removal of existing metal pole street lights.
- c. Recommended pole spacing 150 to 160 ft
- d. Recommended Dunwoody Aluminum Pole, mounting height 14ft/16ft with 20” base
- e. Recommended 100W LED lighting
- f. Recommended feed points (120 – 240 volt)
- g. Recommended Helical street light foundation
- h. Wiring (directional bore conduit), Fixtures, and miscellaneous construction
- i. Requires Arborist service, tree protection, root pruning and trenching as necessary

(4) West Metairie Road Lighting Improvements, Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the W. Metairie Ave. U-Turns Street Lighting Improvement (Roosevelt Blvd. to David Dr.). The major scope of the improvement is installation of street lighting system. The general design requirement of work for this improvement includes but is not limited to the following:

- a. The following four W. Metairie Ave. intersections and U-turns are included in the scope.
 - Intersection of W. Metairie Ave. and David Drive

- Intersection of W. Metairie Ave. and Lynnette Drive
 - Intersection of W. Metairie Ave. and N. Bengal Road
 - U turn on W. Metairie Ave. between N. Lester Ave and N. Howard Ave
- b. Recommended pole spacing 150 to 160 ft
 - c. Recommended Dunwoody Aluminum Pole, mounting height 14ft/16ft with 20" base
 - d. Recommended 100W LED lighting
 - e. Recommended 1 feed points (120 – 240 volt) for each intersection
 - f. Recommended Helical street light foundation
 - g. Wiring (directional bore conduit), Fixtures, and miscellaneous construction.
 - h. Median concrete removal, hydro seed grass, and new sidewalk, new ADA ramp

(5) Causeway Boulevard Lighting Improvements, Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Causeway Boulevard (Veterans Overpass to 6th Street) Street Lighting Improvement. The major scope of the improvement is removal and replacement of existing lighting system. The general design requirement of work for this improvement includes but is not limited to the following:

- a. Length of project is approximately 4,800 ft (0.9 Mile) on parish owned roadway.
- b. Remove and replace existing street lights (see attached map for approx. locations)
- c. Recommended pole spacing 150 to 160 ft
- d. Recommended mounting height max. 40ft (recommended pole height 35 ft)
- e. Recommended LED lighting
- f. Recommended 3 to 4 feed points (120 – 240 volt)
- g. Recommended Helical street light foundation
- h. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction

(6) Green Acres Rd. Lighting Improvements, Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Green Acres Rd. Street Lighting Improvement (W. Metairie Ave. to Airline Dr.). The major scope of the improvement is installation of street lighting system. The general design requirement of work for this improvement includes but is not limited to the following:

- a. Length of project is approximately 2,700 ft (0.51 Mile) on parish owned roadway.
- b. Recommended pole spacing 150 to 160 ft
- c. Recommended mounting height 16ft
- d. Recommended LED lighting
- e. Recommended 2 feed points (120 – 240 volt)
- f. Recommended Helical street light foundation
- g. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction

(7) Live Oak Street Solar Lighting Improvements, Jefferson Parish, LA

Pivotal will provide preliminary and final design phase services for design and construction plan preparation of the Live Oak Street Lighting Project (US 90 to S. Kenner Rd). The major scope of the improvement is installation of new solar street lighting system. As per the evaluation phase report, the following general design requirements are established:

- a. Length of project is approximately 18,500 ft (3.5 Mile) on Parish owned roadway
- b. Design based on product of Cypress Lighting Technologies, LLC
- c. Pole spacing staggered at 200ft
- d. Pole shall be installed at minimum 6 feet from the edge of travel lane
- e. Single 8 feet long arm shall be used
- f. Fixture mounting height shall be minimum 25 feet

- g. Fixtures shall be all-in-one solar LED Street light (100W) with a minimum 12V 42Ah Lithium battery
- h. Fixture shall be programmable to operate at 30% (30W) when traveling vehicle is not-detected and 80% (80W) when traveling vehicle is detected
- i. Fixture, solar panel and battery shall be warranted for 5 years

Resident Inspection/Roadway Projects

Clearview & Airline Intersection Improvements; Jefferson Parish, LA

- Roadway Paving and Curb Design
- Subsurface Drainage
- Construction Management

Pivotal was retained to assist in the Clearview-Airline Intersection Improvements project. The scope of the project includes the following: widening of the median along Airline Drive to provide for triple left turn lanes, modifying the intersection of Airline Drive and Central Avenue, relocating and replacing the 20' transit water line, modifying the existing traffic signal system along Airline Drive at the intersection of Clearview Parkway and Central Avenue, and extending Rosedale to tie into Airline Drive.



Pritchard Rd. Extension; Jefferson Parish, LA

Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following:

1. Remove and replace existing 20 ft wide concrete roadway and replace with 26ft wide roadway and extend 130 ft to connect Pritchard Road to Sprig Street.
2. Remove and replace existing drainage piping. The design of drainage pipe networks is completed for a 10 years storm period using LADOTD drainage software.
3. Relocated existing street side ditch with a new ditch and box culvert. Drainage ditch, box culvert and junction box is designed for 10 years storm period.
4. Existing 10" and 18" SFM were required to be vertical and horizontal offset.



Bonnabel Bike Path – Metairie Rd. to Levee; Jefferson Parish, LA

Pivotal Engineering was retained by Jefferson Parish to provide a drainage analysis and A/E design services for the Bonnabel Bike Path (From Metairie Rd to Levee line at Lake Pontchartrain). Pivotal Engineering staff performed a drainage analysis to calculate 10-year discharge from the contributing areas. Pivotal staff incorporated the approved scope of work into the project which included components such as Architectural, Civil and Electrical Design as well as the drainage analysis. In addition, Pivotal personnel was responsible for reviewing the topographic survey and develop final design and layout plans, grading plans, lighting plans, signage plans and

specifications, as required by local, state, and/or federal agencies. The project is valued at 3 million in construction.



Labarre Rd Railroad Crossing Drainage Improvements; Jefferson Parish, LA

Design & Construction Administration

Pivotal was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the Labarre Rd. Railroad Crossing Drainage Improvement. The major scope of the improvement includes:

1. The construction of a box at the south west corner of Labarre and the Norfolk railroad; construction of a box at the south east corner of Labarre and the Norfolk railroad; replacement of sidewalk access across the ditch adjacent to the tracks; and provide handicap ramps across the street from the crossing, due to the tight right of way at the corner. The designer makes sure that the handicap ramp is being built within Parish right of way.
2. The boxes are designed to accommodate all of the existing drain lines in the area in

order to preserve current drainage patterns at the crossing.

3. Construction of the box on the east required removal and replacement of ½ of Labarre Road and of the rail road crossing arm.
4. Construction requires deep sheeting, due to proximity of tracks, possibly a coffer dam.
5. Full width of Labarre will be milled and overlaid.

Wright Road Improvements; New Orleans, LA

Pivotal personnel are retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entails the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff have also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

1. Review the required topographical survey of existing site conditions prior to start of design phase.
2. Design new drainage network for 10 years return period.
3. Design new gravity sewer collection system to replace existing system that had been in service for more than 40 years.
4. Design new water main and located it on the median.
5. Design new street for tie-in to side streets.
6. Coordinate all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.



RR016 BW Cooper, Gert Town Dixon Group C; New Orleans, LA

Pivotal is retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabs 9 blocks (3245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design of multiple streets are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also included identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.

Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.

This project was federally funded.



RR017 BW Cooper, Gert Town Dixon Group D; New Orleans, LA

Drainage, Sewer, & Waterline Improvements

Pivotal is retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabs to 12 blocks (4,015 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design of multiple streets are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also included identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.

Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.

This project was federally funded.



RR018 BW Cooper, Gert Town Dixon Group E; New Orleans, LA

Pivotal is retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabs to 15 blocks (6,075 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design of multiple streets are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also included identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.

Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.



RR019 BW Cooper, Gert Town Dixon Group F; New Orleans, LA

Street Improvements, Drainage, & Water Improvements

Pivotal is retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabs to 6 blocks (2,100 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design of multiple streets are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also included identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.

Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.

RR138 Plum Orchard-West Lake Forest Group B; New Orleans, LA

Pivotal is retained by City of New Orleans to provide roadway Resident Inspection for the reconstruction improvement. The project entails roadway rehabs to Plum Orchard / West Lake Forest neighborhood. The reconstruction of these streets is required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB.

Attachment A

Licenses

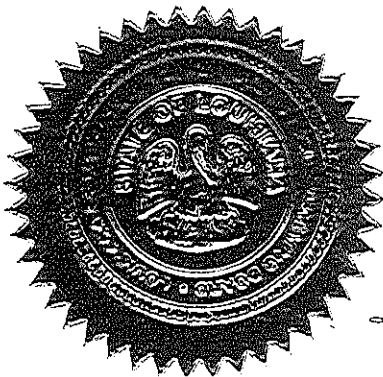
Louisiana Professional Engineering and Land Surveying Board

Hereby Certifies that

Pivotal Engineering LLC

*has complied with the regulation of this Board and is authorized
to provide or to offer to provide engineering services in the State of
Louisiana contingent upon payment of the annual renewal fee.*

Baton Rouge, Louisiana · 12/20/2012



License Number 5213

Michael J. Davis

Jane E. Bawie ^{*Chairman*}

Secretary

**State of
Louisiana
Secretary of
State**



COMMERCIAL DIVISION
225.925.4704

Fax Numbers

225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
PIVOTAL ENGINEERING LLC	Limited Liability Company	NEW ORLEANS	Active

Previous Names

Business: PIVOTAL ENGINEERING LLC

Charter Number: 41021266K

Registration Date: 12/18/2012

Domicile Address

1515 POYDRAS STREET
STE. 1150
NEW ORLEANS, LA 70112

Mailing Address

C/O AVINASH MEHTA
1515 POYDRAS ST., STE. 1150
NEW ORLEANS, LA 70112

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 12/18/2012

Last Report Filed: 12/4/2024

Type: Limited Liability Company

Registered Agent(s)

Agent:	BASSAM MEKARI
Address 1:	1515 POYDRAS STREET
Address 2:	STE. 1150
City, State, Zip:	NEW ORLEANS, LA 70112
Appointment Date:	12/18/2012

Agent:	AVINASH MEHTA
Address 1:	1515 POYDRAS ST.
Address 2:	SUITE 1150
City, State, Zip:	NEW ORLEANS, LA 70112
Appointment Date:	3/11/2021

Officer(s)

Additional Officers: No

Officer: BASSAM MEKARI
Title: Member
Address 1: 1515 POYDRAS STREET
Address 2: STE. 1150
City, State, Zip: NEW ORLEANS, LA 70112

Officer: AVINASH MEHTA
Title: Manager, Member
Address 1: 1515 POYDRAS STREET
Address 2: SUITE 1150
City, State, Zip: NEW ORLEANS, LA 70112

Officer: YOSEPH SHIFARE
Title: Member
Address 1: 1515 POYDRAS ST
Address 2: SUITE 1150
City, State, Zip: NEW ORLEANS, LA 70112

Amendments on File (2)

Description	Date
Domestic LLC Agent/Domicile Change	3/11/2021
Domestic LLC Agent/Domicile Change	9/22/2022

Print

Attachment B


Key Staff Licenses



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/7/2025 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Bassam Abdallah Mekari
1515 Poydras Street, Suite 1875
New Orleans, Louisiana 70112

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
	Mr. Bassam Abdallah Mekari License/Certificate Type - Number PE.0031801 Status: Active Exp Date: 09/30/2026
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/29/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Avinash Mehta
1201 Giuffrias Avenue
Metairie, Louisiana 70001

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Avinash Mehta		
License/Certificate Type - Number	Expiration Date	
PE.0035100	03/31/2026	
Status: Active		
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/25/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Yoseph Yemane Shifare
63 Eugenie Court
New Orleans, Louisiana 70131

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Yoseph Yemane Shifare		
License/Certificate Type - Number	Expiration Date	
PE.0042747	03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 10/8/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Eliot Joseph Guerin
5700 St. Anthony Avenue
New Orleans, Louisiana 70122

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
	Mr. Eliot Joseph Guerin License/Certificate Type - Number PE.0047729 Status: Active Exp Date: 09/30/2025
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/7/2025 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. James Edward Amodeo
1511 Dublin Street
New Orleans, Louisiana 70118

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
	Mr. James Edward Amodeo License/Certificate Type - Number PE.0036489 Status: Active Exp Date: 03/31/2026
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/25/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Tarek Elnaggar
192 Forest Oaks Drive
New Orleans, Louisiana 70131

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Tarek Elnaggar		
License/Certificate Type - Number	Expiration Date	
PE.0023832	03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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