

August 25, 2023
3:30 pm CST

Statement of Qualifications

SOQ NO. 23-017

To Provide Routine Engineering Services
for Streets Projects



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

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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Section One

TEC Form for Pivotal Engineering

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

**To Provide Routine Engineering Services for Streets Projects
Resolution No. 142010**

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



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.

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

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**

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.		
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:

Avinash Mehta, PE; President

Project Assignment:

Principal-In-Charge

Name of Firm with which associated:



Years' experience with this Firm:

10

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:

Mr. Mehta serves as the 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 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.

Experience includes:

Clearview & Airline Intersection Improvements; Jefferson Parish, LA

Mr. Mehta serves as the principal-in-charge for this project. 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

Mr. Mehta serves as the principal-in-charge for this project. Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following:

TEC Professional Services Questionnaire

- Removal and replacement of existing 20 ft wide concrete roadway with 26 ft wide roadway and extend 130 ft to connect Pritchard Road to Sprig Street.
- Removal and replacement of existing drainage piping. The design of drainage pipe networks is completed for a 10 years storm period using LADOTD drainage software.
- Relocation of existing street side ditch with a new ditch and box culvert. Drainage ditch, box culvert and junction box designed for 10 years storm period.
- Offset existing 10” and 18” SFM both vertically and horizontally.

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

Mr. Mehta serves as the principal-in-charge for this project. 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

Mr. Mehta serves as the principal-in-charge for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the Labarre Road Railroad Crossing Drainage Improvement. The major scope of the improvement included: 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 was built within Parish right of way.

Wright Rd Improvements; New Orleans, LA

Mr. Mehta serves as the principal-in-charge 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 was responsible for designing 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.

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

Mr. Mehta serves as the principal-in-charge for this project. Pivotal is currently retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabilitation for nine (9) blocks (3245 ft) in the neighborhoods 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 includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

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

Mr. Mehta serves as the principal-in-charge for this project. 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 rehabilitation for twelve (12) blocks (4,015 ft) in the neighborhoods

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of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is 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. The project entails roadway rehabs to 12 blocks (4,015 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for project budget, schedule and scope, coordination of resources, business development and client liaison activities required for a successful completion of the project.

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

Mr. Mehta serves as the principal-in-charge for this project. 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 rehabilitation for fifteen (15) blocks (6,075 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

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

Mr. Mehta serves as the principal-in-charge for this project. 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 rehabilitation for six (6) blocks (2,100 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and the 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.

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

Mr. Mehta serves as the principal-in-charge 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.

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:
10
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, LA 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 20 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>Clearview & Airline Intersection Improvements; Jefferson Parish, LA</u>
<p>Mr. Shifare serves as the project director and civil engineer for this project. 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.</p>

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Pritchard Rd Extension; Jefferson Parish, LA

Mr. Shifare serves as the project director and civil engineer for this project. Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following:

- Removal and replacement of existing 20 ft wide concrete roadway with 26 ft wide roadway and extend 130 ft to connect Pritchard Road to Sprig Street.
- Removal and replacement of existing drainage piping. The design of drainage pipe networks is completed for a 10 years storm period using LADOTD drainage software.
- Relocation of existing street side ditch with a new ditch and box culvert. Drainage ditch, box culvert and junction box designed for 10 years storm period.
- Offset existing 10" and 18" SFM both vertically and horizontally.

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

Mr. Shifare serves as the project director and civil engineer for this project. Pivotal Engineering were 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. Mr. Shifare serves as the Project Director / Sr. Hydraulic Engineer of the project. As Water Resources Engineer, he was responsible for the detailed planning stage, drainage analysis and innovative approaches to SWM for surface and underground BMPs and culvert crossings for 3.5-miles of the bike path, including 4 crossings and levee crossing. His designs met AASHTO and Special Protection Area requirements, while avoiding/minimizing impacts to natural resources. He also performed QA/QC reviews, including several SWM BMP retrofits, and coordinated with multiple agencies and stakeholders.

Labarre Rd Railroad Crossing Drainage Improvements; Jefferson Parish, LA

Mr. Shifare serves as the project director and civil engineer for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the Labarre Road Railroad Crossing Drainage Improvement. The major scope of the improvement included: 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. Mr. Shifare ensured that the handicap ramp was built within Parish right of way.

Wright Rd Improvements; New Orleans, LA

Mr. Shifare serves as the project director and civil engineer 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 was responsible for designing 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.

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

Mr. Shifare serves as the project director and civil engineer for this project. Pivotal is currently retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabilitation for nine (9) blocks (3245 ft) in the neighborhoods 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 includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and

TEC Professional Services Questionnaire

construction documents for the project.

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

Mr. Shifare serves as the project director and civil engineer for this project. 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 rehabilitation for twelve (12) blocks (4,015 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is 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. The project entails roadway rehabs to 12 blocks (4,015 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for project budget, schedule and scope, coordination of resources, business development and client liaison activities required for a successful completion of the project.

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

Mr. Shifare serves as the project director and civil engineer for this project. 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 rehabilitation for fifteen (15) blocks (6,075 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

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

Mr. Shifare serves as the project director and civil engineer for this project. 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 rehabilitation for six (6) blocks (2,100 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and the 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.

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

Mr. Shifare serves as the project director and civil engineer 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:
Bassam Mekari, PE; Sr. Electrical Engineer
Project Assignment:
Sr. Electrical Engineer
Name of Firm with which associated:

Years' experience with this Firm:
10
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:
<p>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.</p>
Experience includes:
<u>Clearview & Airline Intersection Improvements</u>
<p>Mr. Mekari serves as the senior electrical engineer for this project. 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.</p>
<u>Cousins Blvd Extension</u>
<p>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</p>

TEC Professional Services Questionnaire

of Cousins Boulevard (Woodmere Boulevard to Lapalco Boulevard) project.

Design & Drainage Improvements at Labarre Rd. Railroad Crossing

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the Labarre Road Railroad Crossing Drainage Improvement. The major scope of the improvement included: 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 was built within Parish right of way.

Pritchard Road Extension

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following:

- Removal and replacement of existing 20 ft wide concrete roadway with 26 ft wide roadway and extend 130 ft to connect Pritchard Road to Sprig Street.
- Removal and replacement of existing drainage piping. The design of drainage pipe networks is completed for a 10 years storm period using LADOTD drainage software.
- Relocation of existing street side ditch with a new ditch and box culvert. Drainage ditch, box culvert and junction box designed for 10 years storm period.
- Offset existing 10" and 18" SFM both vertically and horizontally.

Drainage Improvements to 14th Street; Jefferson Parish, LA

Mr. Mekari serves as the senior electrical engineer for this project. Overall, the project goal is to improve the drainage network along 14th Street. Project scope items include the following: construction of new sidewalks and ADA ramps, replacement of pavement and driveways, adjustment of required sewer connections, adjustment of identified water lines and the construction of a new outfall for the canal.

Planters Drainage Pump Station

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal Engineering is retained by Jefferson Parish to provide engineering services for the Planters Pump Station Improvements project. The scope of 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.

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

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal is retained by Jefferson Parish under a prime consultant of Hartman Engineering, Inc for a design and construction management of N. Arnoult Drainage Pump Station Improvements. The scope of the project includes the demolishing of existing building, replacing 2 existing vertical turbine pumps with 2 new 25 HP pumps, replacing existing pump control with VFD, ATS and associated electrical upgrades, SCADA, and replacing 100KW diesel generator with sound enclosures and fuel tank.

Wright Road Improvements; New Orleans, LA

Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New

TEC Professional Services Questionnaire

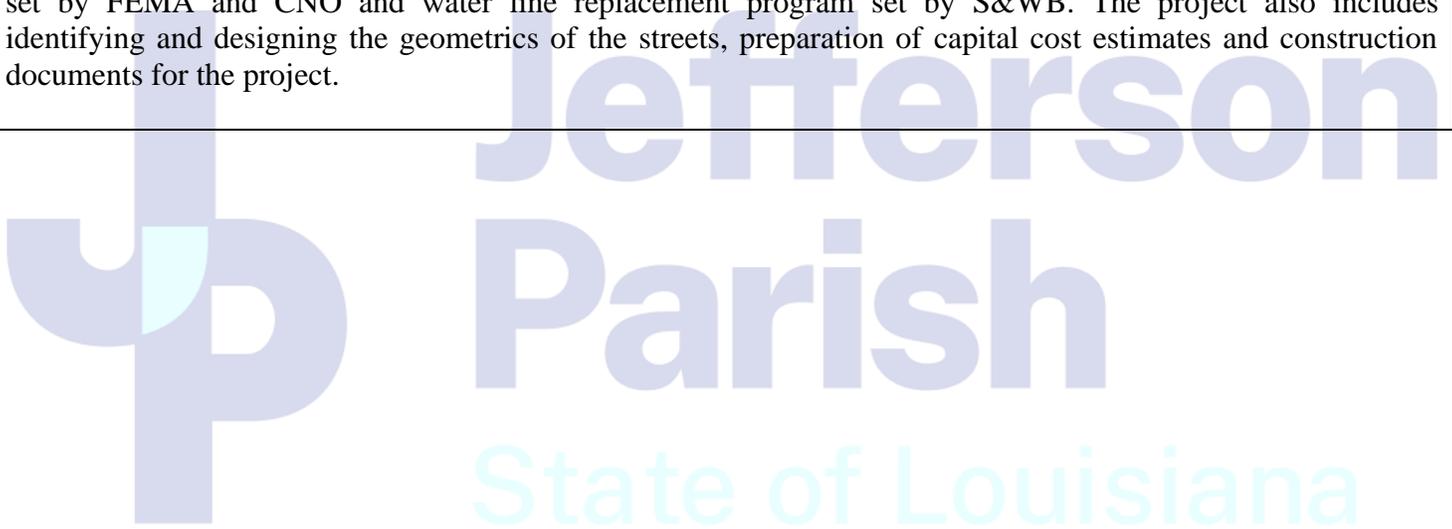
Orleans East. Mr. Mekari serves as the senior electrical engineer for this project. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

France Road North Improvements

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal provided design & construction administration services for France Road. The project included 1.5 miles of full roadway reconstruction design. The scope of this project was to remove and replace roadway & drainage improvements.

RR 016-019 Improvements

Mr. Mekari serves as the senior electrical engineer for this project. Pivotal is currently retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabilitation for nine (9) blocks (3245 ft) in the neighborhoods 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 includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Terry Elnaggar, PE; Sr. Civil/Environmental Engineer
Project Assignment:
Sr. Civil Engineer
Name of Firm with which associated:

Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
MS / 1988 / Civil and Environmental Engineering / Univ. of California, Berkley BS / 1985 / Civil Engineering / Louisiana State University
Active registration: Year first registered/discipline:
LA PE #23832 – Civil/Environmental
Other experience and qualifications relevant to the proposed Project:
<p>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 served as Project Design Manager for numerous projects including, pavement widening and rehabilitation work. He takes a hands-on approach to successfully managing the design, QA/QC, stakeholder coordination, discipline leads, and schedule management. He has managed and prepared design-build construction plans, utility coordination, drainage, stormwater management, right-of-way plats, complex E&SC, environmental documentation/permitting, and environmental mitigation/restoration. 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, permitting, and waste treatment system design.</p>
Experience includes:
<u>Clearview & Airline Intersection Improvements; Jefferson Parish, LA</u>
<p>Mr. Elnaggar serves as the Sr. Civil Engineer for this project. 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.</p>

TEC Professional Services Questionnaire

Pritchard Rd Extension; Jefferson Parish, LA

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following:

- Removal and replacement of existing 20 ft wide concrete roadway with 26 ft wide roadway and extend 130 ft to connect Pritchard Road to Sprig Street.
- Removal and replacement of existing drainage piping. The design of drainage pipe networks is completed for a 10 years storm period using LADOTD drainage software.
- Relocation of existing street side ditch with a new ditch and box culvert. Drainage ditch, box culvert and junction box designed for 10 years storm period.
- Offset existing 10” and 18” SFM both vertically and horizontally.

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

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. 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

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the Labarre Road Railroad Crossing Drainage Improvement. The major scope of the improvement included: 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 was built within Parish right of way.

Wright Rd Improvements; New Orleans, LA

Mr. Elnaggar served as the Project Engineer for the design of Wright Road located in New Orleans East. The project included subsurface drainage, roadway paving, curb and gutter, utility’s location and relocation, sidewalks. Mr. Elnaggar was responsible for coordination and oversight of all engineering and design tasks, and construction management for this project. Mr. Elnaggar also ensured all design guidelines were followed, the project remained within budget, milestone dates were met, and the needs and concerns of the client were addressed. The project was valued at \$9 million.

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

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. Pivotal is currently retained by City of New Orleans to provide roadway full reconstruction including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabilitation for nine (9) blocks (3245 ft) in the neighborhoods 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 includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

TEC Professional Services Questionnaire

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

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. 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 rehabilitation for twelve (12) blocks (4,015 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is 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. The project entails roadway rehabs to 12 blocks (4,015 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for project budget, schedule and scope, coordination of resources, business development and client liaison activities required for a successful completion of the project.

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

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. 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 rehabilitation for fifteen (15) blocks (6,075 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

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

Mr. Elnaggar serves as the Sr. Civil Engineer for this project. 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 rehabilitation for six (6) blocks (2,100 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and the 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.

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

Mr. Elnaggar serves as the Sr. Civil Engineer 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.

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:

10

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:

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.

Working on more than 20 FEMA projects post Katrina, Mr. Amodeo has developed tremendous FEMA experience and reviewing PWs and providing cost estimates.

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

Experience includes:

Planters Drainage Pump Station; Jefferson Parish, LA

Mr. Amodeo serves as the senior mechanical engineer for this project. Pivotal Engineering is retained by Jefferson Parish to provide engineering services for the Planters Pump Station Improvements project. The scope of 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.

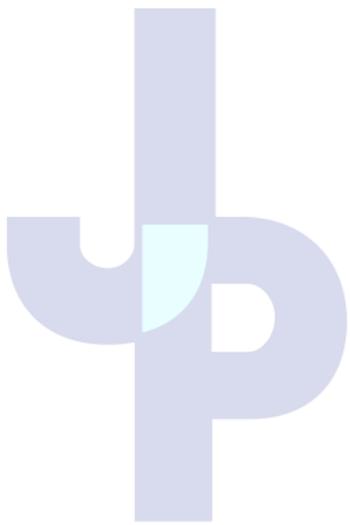
Cleveland & Avron Sewer Lift Station Rehabilitation; Jefferson Parish, LA

Mr. Amodeo served as a Sr. Mechanical Engineer for the lift station upgrades for this project. Pivotal was retained by Jefferson Parish to replace the existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drives (VFD) as well as new controls, piping, and valves. 3-15HP pumps will be replaced with 2-25Hp Pumps.

TEC Professional Services Questionnaire

N. Sibley & Boone Lift Station Improvements; Jefferson Parish, LA

Mr. Amodeo served as a Sr. Mechanical Engineer for the lift station upgrades for this project. Pivotal Engineering was retained by Jefferson Parish to provide preliminary and final design phase services for design and construction plan preparation of the C4-1A (N. Sibley and Boone) Lift Station Rehabilitation project. The major scope of the improvement is replacement of all existing submersible pumps with new submersible pumps with Premium Efficiency Motors and Variable Frequency Drive (VFD) as well as new controls, piping, and valves. 2-15 HP pumps will be replaced.



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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryan B. Smith, PE; Environmental Engineer

Project Assignment:

Construction Manager

Name of Firm with which associated:



Years' experience with this Firm:

5

Education: Degree(s)/Year/Specialization:

MS / 2014 / Civil and Environmental Engineering

BS / 2011 / Environmental Engineering

Active registration: Year first registered/discipline:

Louisiana PE #43843 - ENV

Other experience and qualifications relevant to the proposed Project:

Mr. Smith serves as a senior environmental engineer and construction manager with Pivotal Engineering. Mr. Smith has more than eight (8) years of experience with the public works and environmental project types, including the design of subsurface utilities and roadways. He is well-rounded in technical approaches for the design, site inspection and coordination of municipal infrastructure projects.

Additionally, he is well established in both state and federal regulations for water quality, NPDES compliance and SWPPP preparation. His projects include both public and private sector that require his time in both the office and the field.

Experience includes:

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

Mr. Smith performed the design services for the RR3 Plum Orchard/West Lake Forest Group B project. Scope of work included photographic documentation of existing conditions, FEMA-eligible repairs and additional repairs for considerations as well as designing eligible improvements in AutoCAD Civil3d. Additional tasks included revisions to drawings for adherence to CNO, SWBNO and FEMA guidelines.

Bonnabel Bike Path; Jefferson Parish, LA

Mr. Smith performed scoping phase services for the Bonnabel Bike Path project. 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.

France Road North; New Orleans, LA

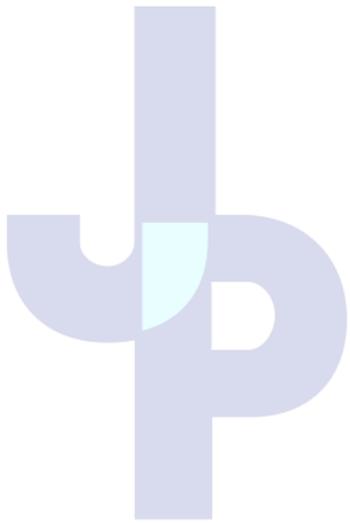
For this project, Mr. Smith assisted with the scoping phase, including site documentation, identification of critical improvements and determination of the extent of drainage/roadway modifications. Pivotal performed

TEC Professional Services Questionnaire

design & construction administration services for France Rd. The project included 1.5 miles of full roadway reconstruction design. The scope of this project was to remove and replace roadway & drainage improvements.

Water Effectiveness in Broadmoor; New Orleans, LA

For this project, Mr. Smith reviewed the design drawings, managed geotechnical soil investigation and performed water quality testing for on-site, pre-construction conditions. His knowledge of green infrastructure design, water quality requirements for such installations and generation construction experienced allowed him to positively impact the project and ensure that the tasks were completed on time.



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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eliot Guerin, PE; Civil Project Engineer

Project Assignment:

Civil Engineer

Name of Firm with which associated:



Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

2018 / Civil Engineering

Active registration: Year first registered/discipline:

LA PE #0047729 / 2023 / Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Guerin is a civil designer with over three (3) 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.

Experience includes:

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

Mr. Guerin serves as a civil designer for this project. The project includes the rehabilitation of nine (9) blocks of roadway (3245 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. Mr. Guerin is responsible for designing 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.

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

Mr. Guerin serves as a civil designer for this project. 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 rehabilitation for twelve (12) blocks (4,015 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is 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. The project entails roadway rehabs to 12 blocks (4,015 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon.

TEC Professional Services Questionnaire

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

Mr. Guerin serves as a civil designer for this project. 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 rehabilitation for fifteen (15) blocks (6,075 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB. The project also includes identifying and designing the geometrics of the streets, preparation of capital cost estimates and construction documents for the project.

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

Mr. Guerin serves as a civil designer for this project. 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 rehabilitation for six (6) blocks (2,100 ft) in the neighborhoods of B.W. Cooper, Gert Town and Dixon. This design of multiple streets is required to meet rehabilitation goals set by FEMA and CNO and the 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.

RR076 Lake Vista Group D; New Orleans, LA

Mr. Guerin serves as a civil designer for this project. 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 rehabilitation for five (5) blocks (1,750 ft) in the neighborhood of Lake Vista. This design of multiple streets is 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.

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

Mr. Guerin serves as a civil designer for this project. The project requirements included both drainage analysis and A/E design services for the Bonnabel Bike Path (Metairie Rd to Levee line). Mr. Guerin served a lead role as a Pivotal Engineering staff and performed a drainage analysis to calculate 10-year discharge from the identified contributing areas.

Wright Road Improvements; New Orleans, LA

Mr. Guerin serves as a 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 was responsible for designing 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.

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:

3

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:

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.

Experience includes:

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

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.

Cousins Blvd Lighting Improvements; Jefferson Parish, LA

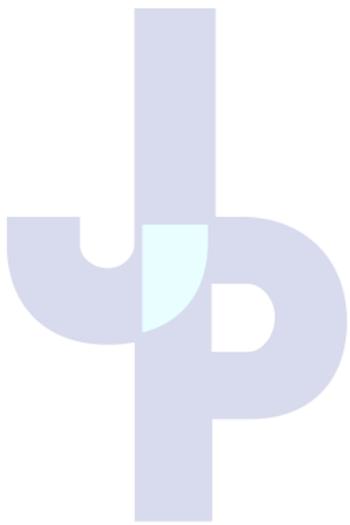
Mr. Patel's responsibilities consisted of designing, calculating voltage drop and sizing the conductor size. Additionally, he determined the locations for the power distribution in collaboration with Entergy for new pole and new transformer. For this project, he serves as one of the resident inspectors, conducting monthly progress reports and meetings, change orders, and inspections.

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

TEC Professional Services Questionnaire

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.



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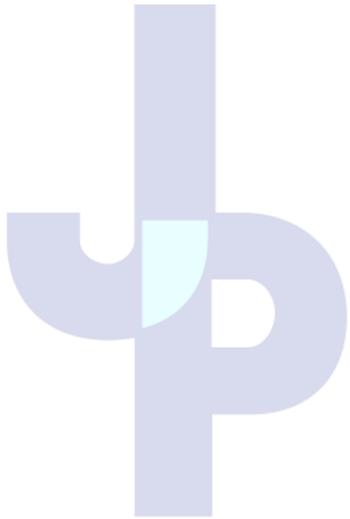
TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Javier Rondan Zambra, EI; Project Engineer
Project Assignment:
Civil Designer
Name of Firm with which associated:

Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
M.S. Civil Engineering - 2021
B.S. Civil Engineering - 2018
Active registration: Year first registered/discipline:
LA EI #035205 / 2022 / Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>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.</p>
Experience includes:
<u>14th Street Drainage Improvements; Jefferson Parish, LA</u>
<p>Mr. Rondan's involvement in this project consists of plan drafting, quantities estimation, cost estimation and documentation for project submittal. Overall, the project goal was to improve the drainage network along 14th Street. Project scope items include the following: construction of new sidewalks and ADA ramps, replacement of pavement and driveways, adjustment of required sewer connections, adjustment of identified water lines and the construction of a new outfall for the canal.</p>
<u>Wright Road Improvements; New Orleans, LA</u>
<p>Mr. Rondan's involvement in this project consists of plan drafting, quantities estimation, cost estimation and documentation for project submittal. 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, oversee contractor compliance, and represent the Owner at various public meetings.</p>

Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA

This project consists of abandonment of existing dry well and retrofit of existing wet well, construction of new wet well, valve pit, and force main bypass, and installation of new sewer and pipes and sewer force main, as well as removal and replacement of asphalt roadway with concrete roadway, and drainage improvements. Mr. Rondan's responsibilities include plan drafting, budget and quantities estimation, and documentation for project submittal.



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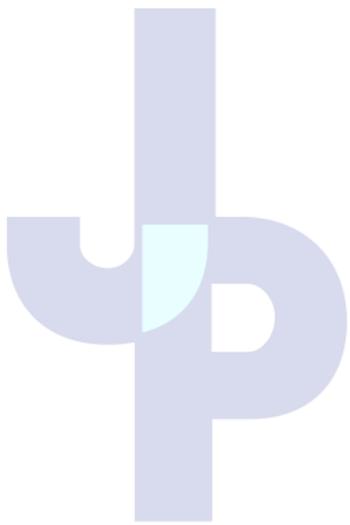
TEC Professional Services Questionnaire

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:
10
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.



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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;">Clearview & Airline Intersection Improvements Jefferson Parish, LA</p> <p style="text-align: center;">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	\$4.5M	\$1.2M

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;">Pritchard Rd. Extension Jefferson Parish, LA</p> <p style="text-align: center;">Neil Schneider Jefferson Parish, Capital Projects 1221 Yenni Building, Suite 906 Jefferson, LA70123 (504) 736-6833</p>	<p>Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following:</p> <ol style="list-style-type: none"> 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. <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$1.3M	\$1.3M

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Bonnabel Bike Path – Metairie Rd. to Levee; Jefferson Parish, LA</p> <p>Jefferson Parish 1221 Elmwood Park Blvd., Suite 802, (504) 736-6000</p>	<p>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.</p> 	
<p>Completion Date (Actual or estimated)</p>	<p>Estimated Cost:</p>	
	<p>Entire Project:</p>	<p>Work for which Firm was Responsible:</p>
<p>2021</p>	<p>3.2M</p>	<p>3.2M</p>

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;">Labarre Rd Railroad Crossing Drainage Improvements Jefferson Parish, LA</p> <p style="text-align: center;">Neil Schneider, Director Jefferson Parish, Capital Projects 1221 Elmwood Park Blvd., Ste. 906 Jefferson, LA 70123 (504) 736-6833</p>	<p><i>Design & Construction Administration</i></p> <p>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:</p> <ol style="list-style-type: none"> 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. <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$53,345	\$53,345

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;">Wright Road Improvements New Orleans, LA</p> <p style="text-align: center;">City of New Orleans 1300 Perdido St., Room 6W03 New Orleans, LA 70112 Nguyen Phan (504) 658-8000</p>	<p>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.</p> <ul style="list-style-type: none"> Review the required topographical survey of existing site conditions prior to start of design phase. Design new drainage network for 10 years return period. Design new gravity sewer collection system to replace existing system that had been in service for more than 40 years. Design new water main and located it on the median. Design new street for tie-in to side streets. Coordinate all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations. <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$9M	\$9M

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>RR016 BW Cooper, Gert Town Dixon Group C New Orleans, LA Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, 1300 Perdido Street New Orleans, LA 70112 (504) 658-8208 ksaleh@nola.gov</p>	<p>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.</p> <p>Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.</p> <p>Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.</p> <p>This project was federally funded.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$4.8M	\$25,149.00

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;">RR017 BW Cooper, Gert Town Dixon Group D New Orleans, LA</p> <p style="text-align: center;">Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, 1300 Perdido Street New Orleans, LA 70112 (504) 658-8208 ksaleh@nola.gov</p>	<p><i>Drainage, Sewer, & Waterline Improvements</i></p> <p>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.</p> <p>Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.</p> <p>This project was federally funded.</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$5.3M	\$520,000

TEC Professional Services Questionnaire

PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>RR018 BW Cooper, Gert Town Dixon Group E New Orleans, LA</p> <p>Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, 1300 Perdido Street New Orleans, LA 70112 (504) 658-8208 ksaleh@nola.gov</p>	<p>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.</p> <p>Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.</p> <p>Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.</p> 	
<p>Completion Date (Actual or estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$3.3M	\$308,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>RR019 BW Cooper, Gert Town Dixon Group F New Orleans, LA</p> <p>Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, 1300 Perdido Street New Orleans, LA 70112 (504) 658-8208 ksaleh@nola.gov</p>	<p><i>Street Improvements, Drainage, & Water Improvements</i></p> <p>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.</p> <p>Pivotal is also responsible for administering the required topographical survey of existing site conditions prior to start of design phase.</p> <p>Pivotal is also responsible for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	TBD	\$301,412

TEC Professional Services Questionnaire

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>RR138 Plum Orchard-West Lake Forest Group B New Orleans, LA</p> <p>Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, 1300 Perdido Street New Orleans, LA 70112 (504) 658-8208 ksaleh@nola.gov</p>	<p>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 are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	TBD	\$169,181

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.

Pivotal is a certified Small Business Enterprise with both the Small Business Administration and City of New Orleans. Furthermore, Pivotal has been certified as a Disadvantaged Business Enterprise by the City of New Orleans, Sewerage and Water Board of New Orleans, the New Orleans Aviation Board and Harrah's Casino. Pivotal Engineering is also certified by the Louisiana Department of Economic Development as a Small Entrepreneurship SE (Hudson Initiative) firm.

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. **one principal who is a professional engineer who shall be registered as such in Louisiana**

Avinash Mehta, PE
LA PE # 35100 Civil Engineering

2. **a professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved**

Avinash Mehta, PE
LA PE # 35100 Civil Engineering

3. **one employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline.)**

Yoseph Shifare, PE
LA PE# 42747 Civil Engineering

Evaluation Criteria

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

The Pivotal Engineering staff members that will be assigned to this contract have extensive, specialized experience in Engineering Design and Construction Management for Private Entities, and Government and Municipal Agencies in the Gulf South area. 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.

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 the project is managed successfully, 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:

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

Our integrated team will provide an optimized concurrent engineering environment that provides an opportunity to substantially reduce the total cost of a project. Benefits of our integrated team with members

TEC Professional Services Questionnaire

of various skilled disciplines enable a simultaneous contribution to an early project definition and increase the likelihood of a reduced lifecycle cost by avoiding costly alterations later in the design process.

2) 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 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.

TEC Professional Services Questionnaire

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.

3) 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.

4) 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.

5) 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

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- 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

6) 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.

7) 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.

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

- **Clearview & Airline Intersection Improvements; Jefferson Parish, LA**
- **Pritchard Rd. Extension; Jefferson Parish, LA**
- **Bonnabel Bike Path – Metairie Rd. to Levee; Jefferson Parish, LA**
- **Labarre Rd Railroad Crossing Drainage Improvements; Jefferson Parish, LA**
- **Wright Road Improvements; New Orleans, LA**
- **RR016 BW Cooper, Gert Town Dixon Group C; New Orleans, LA**
- **RR017 BW Cooper, Gert Town Dixon Group D; New Orleans, LA**
- **RR018 BW Cooper, Gert Town Dixon Group E; New Orleans, LA**
- **RR019 BW Cooper, Gert Town Dixon Group F; New Orleans, LA**
- **RR138 Plum Orchard-West Lake Forest Group B; New Orleans, LA**

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.

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

TEC Professional Services Questionnaire

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, preparation of specifications, and plans and associated construction cost.

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: 08/25/2023

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** team (herein referred to as “team” or “the team”) is an assembly of firms with 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 this 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:

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

Under these disciplines, each firm 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 integrated team will provide an optimized concurrent engineering environment that provides an opportunity to substantially reduce the design time and total cost of a project. Our integrated team 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.

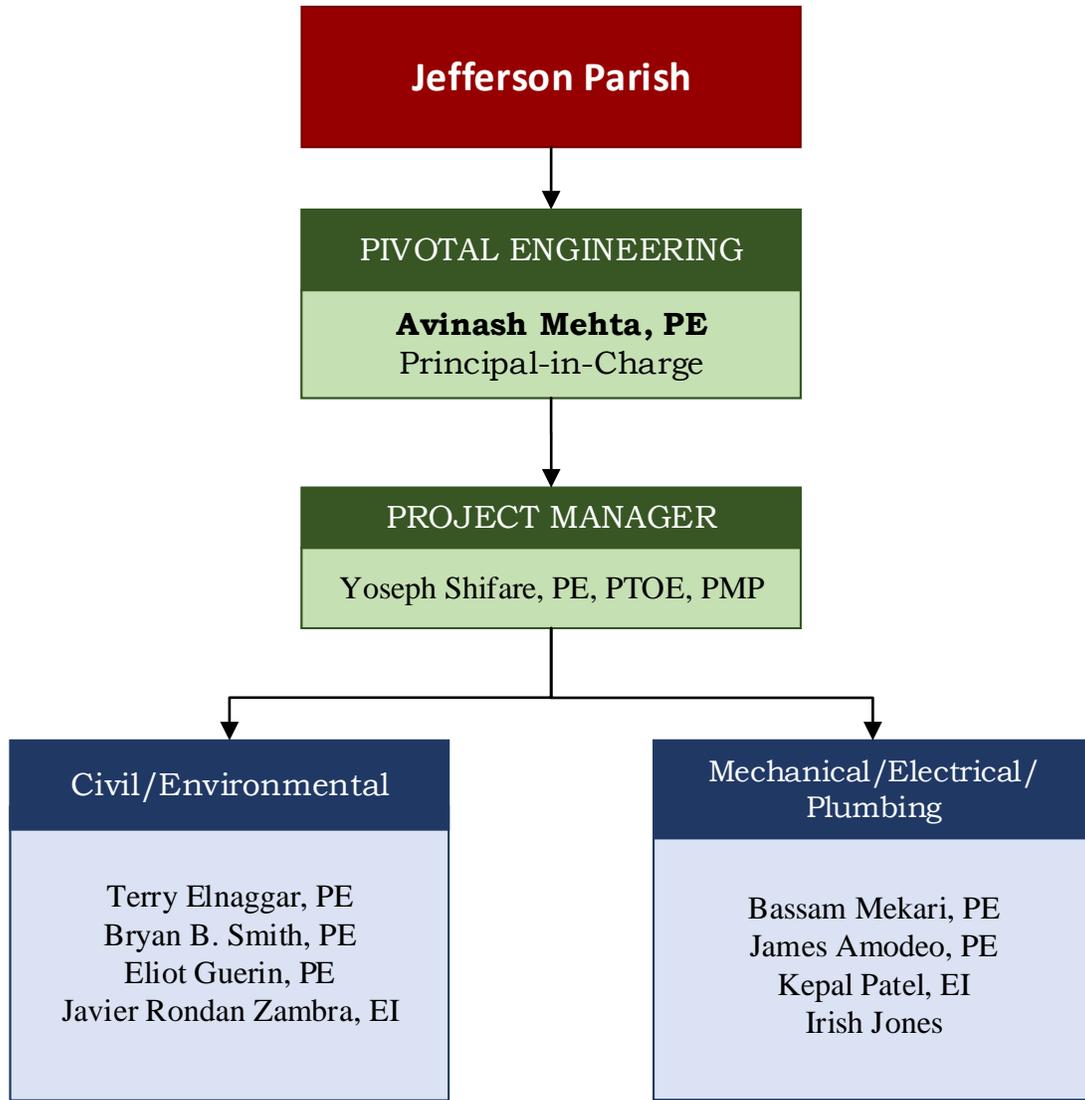
Our **management** team is comprised of experienced managers and task leaders with proven leadership, thoughtfully bringing together capable team members with exceptional technical skills and supporting them with good QA/QC processes. Open lines of communication and weekly internal conference calls will 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



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' 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
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

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.

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.

Sundiata Marcelin, PE
Civil Engineer

Education

BS. Civil Engineering

Professional Associations

LA PE # 38589

Experience

Mr. Marcelin has over 10 years of experience in both Civil and Structural Engineering as well as over 15 years of experience in Construction Management. This Civil Engineering experience includes complete urban roadway restoration design with new sewage, water, drainage, and full Right-Of-Way layout in Jefferson, St Bernard, and Orleans Parish. Mr. Marcelin's extensive knowledge of the civil infrastructure and design standards of Orleans Parish makes him a suitable candidate as an experienced design reviewer for both above ground and sub-surface infrastructure. 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 systems.

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.

**Mechanical/Electrical/
Plumbing 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.

Section 4 - Team Profile & Experience

4.1 Team Profile

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.

Pivotal is a certified Small Business Enterprise with both the Small Business Administration and the New Orleans Regional Transit Authority. Furthermore, Pivotal is a Disadvantaged Business Enterprise with City of New Orleans, Sewerage & Water Board of New Orleans, Louis Armstrong New Orleans International Airport, Harrah's New Orleans Casino & Hotel, and the Housing Authority of New Orleans (HANO). Pivotal Engineering is also certified by the Louisiana Department of Economic Development as a Small Entrepreneurship SE (Hudson Initiative) firm.

Pivotal Engineering, LLC is conveniently located in the center of New Orleans. Since its inception, Pivotal's main office of operations has been at 1515 Poydras St. Suite 1150, New Orleans, LA. Work assigned to Pivotal will be performed from the main office.

4.2 Experience with similar projects:

Pivotal Engineering's team includes senior civil and environmental engineers and technicians with extensive experience and 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.

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

Amud Davari

Chairman
Jane E. Bawie Jr.

Secretary

Attachment B

Key Staff Licenses



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Avinash Mehta
1201 Giuffrias Avenue
Metairie, Louisiana 70001

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	03/31/2024
Status: Active	

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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.

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	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		
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) 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 (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Bassam Abdallah Mekari		
License/Certificate Type - Number	Expiration Date	
PE.0031801	09/30/2024	
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 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	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	

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. James Edward Amodeo	
License/Certificate Type - Number	Expiration Date
PE.0036489	03/31/2024
Status: Active	
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Sundiata Milton Marcelin
5607 Baccich Street
New Orleans, Louisiana 70122

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Sundiata Milton Marcelin		
License/Certificate Type - Number	Expiration Date	
PE.0038589	09/30/2024	
Status: Active		
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Mr. John Adam Mekari
438 Highland Trace Drive
Baton Rouge, Louisiana 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. John Adam Mekari		
License/Certificate Type - Number	Expiration Date	
PE.0025415	09/30/2023	
Status: Active		
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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Mr. John Adam Mekari
438 Highland Trace Drive
Baton Rouge, Louisiana 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. John Adam Mekari		
License/Certificate Type - Number	Expiration Date	
PE.0025415	09/30/2023	
Status: Active		
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Eliot Joseph Guerin	
License/Certificate Type - Number	Expiration Date
PE.0047729	09/30/2025
Status: Active	
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Javier Rondan Zambra Sr.
2651 Poydras Street, Apt. 1502
New Orleans, Louisiana 70119

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Javier Rondan Zambra Sr.	
License/Certificate Type - Number	Expiration Date
EI.0035205	03/31/2025
Status: Active	
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Kepal Dineshbhai Patel
3604 Harvard Avenue
Metairie, Louisiana 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Kepal Dineshbhai Patel		
License/Certificate Type - Number	Expiration Date	
EI.0034453	09/30/2022	
Status: Expired		
<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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