

January 6, 2023  
3:30 pm CST

# Statement of Qualifications

SOQ NO. 22-054

**Miscellaneous Environmental Services  
on an as needed basis  
Annually for a Two (2) Year Term**



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

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## **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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## TEC Questionnaire Form

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## **TEC Questionnaire Form**

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### **Pivotal Engineering - TEC Form**

## TEC Professional Services Questionnaire

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

Miscellaneous Environmental Services on an as needed basis Annually for a Two (2) Year Term.  
Resolution No. 140859

**B. Firm Name & Address:**

Pivotal Engineering, LLC  
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  
[amehta@pivotaleng.com](mailto:amehta@pivotaleng.com)  
(504) 799-3653

**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  
[amehta@pivotaleng.com](mailto:amehta@pivotaleng.com)  
(504) 799-3653

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

<u>2</u> Administrative	<u>    </u> Estimators	<u>    </u> Specification Writers
<u>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>3</u> Civil Engineers	<u>    </u> Interior Designers	<u>2</u> Project Managers
<u>11</u> Construction Inspectors	<u>    </u> Landscape Architects	<u>2</u> Clerical
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>    </u> Grant/Funding Specialist
<u>3</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		<b><u>31</u> TOTAL</b>

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

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

## TEC Professional Services Questionnaire

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

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**

YES ☐ NO ☐

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2. N/A		
3. N/A		
4. N/A		

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

31

## **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.**

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

**Name & Title:**

Tarek Elnaggar, P.E.

**Project Assignment:**

Principal/Senior Environmental Engineer

**Name of Firm with which associated:**

Pivotal Engineering, LLC

**Years' experience with this Firm:**

9

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

MS. 1988 University of California Berkeley, Environmental Engineer  
BS 1985 Louisiana State University, Civil/Environmental Engineer

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

1990 /Civil Engineer  
1994 / Environmental Engineer

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

- Nelson Plant Beneficial Use Sampling Application; West Lake, LA
- Entergy Nine Mile Levee Permits; New Orleans, LA
- Nelson Coal Ash Landfill Permit Modification and Vertical Expansion; Westlake, LA
- Blind River Fresh Water Diversion; LaPlace, LA
- Entergy, LLC Nelson Debris Pile RECAP; West Lake, LA
- City of Shreveport Woolworth Road Landfill; Shreveport, LA
- Waste Management of Louisiana, LLC, Woodside Landfill; Walker, LA
- Waste Management of Louisiana, LLC, Reliable Landfill; Livonia, LA
- Entergy Corporation Nelson Coal Ash Landfill; West Lake, LA
- Waste Management of Mississippi, Inc., Pecan Grove Landfill; Gulfport, MS
- Nelson Coal Ash Landfill Permit Modification and Vertical Expansion; Westlake, LA

**Experience Includes:**

Mr. Elnaggar serves as a Principal of Pivotal Engineering LLC. He is the lead civil and environmental engineer for the company. His experience includes design and construction management for civil and environmental projects including water main extensions, water permitting and compliance with DHH, risk assessments, air permitting and compliance, emission inventories and reporting, groundwater investigations, regulatory compliance, environmental process design, permitting, and water and waste treatment system design.



Jefferson  
Parish  
State of Louisiana

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Avinash Mehta, P.E., Principal In Charge
<b>Project Assignment:</b>
Principal In Charge/ Professional In Charge- Client Relations
<b>Name of Firm with which associated:</b>
Pivotal Engineering, LLC
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
M.S. / 2003 / Civil Engineering B.S. / 2000 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2009 / Civil Engineering
<b>Other experience and qualifications relevant to the proposed Project:</b>
<ul style="list-style-type: none"><li>• Entergy LA Station; Baton Rouge, LA</li><li>• Entergy Corporation Nelson Coal Ash Landfill; West Lake, LA</li><li>• Blind River Fresh Water Diversion; LaPlace, LA</li><li>• City of Shreveport Woolworth Road Landfill; Shreveport, LA</li><li>• Perryville Plant Beneficial Use Application; Sterlington, LA</li><li>• Entergy LA Station; Baton Rouge, LA</li><li>• Gulf of Mexico Cooperative Agreements for Fritchie Marsh Wetland Assimilation Project; City of Slidell, LA</li><li>• Gulf of Mexico Cooperative Agreements for Bayou Pattasat Improvement: Phase 1 &amp; 2; City of Slidell, LA</li><li>• Blind River Fresh Water Diversion; LaPlace, LA</li><li>• Turtle Pond Pump Station; St. Charles Parish, LA</li><li>• Broadmoor Lift Station Improvements, City of Shreveport, Louisiana</li></ul>
<b>Experience includes:</b> Mr. Mehta serves as a Principal of Pivotal Engineering. Mr. Mehta has over 16 years of experience managing Civil and Environmental Engineering projects including project budget, schedule and scope, coordination of resources, business development and client liaison activities. His experience includes performing engineering analysis for designing coastal facilities, erosion prevention, flood control, artificial harbor construction and dredging operations.



## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Yoseph Shifare, PE, PTOE, Project Director
<b>Project Assignment:</b>
Civil Project Engineer
<b>Name of Firm with which associated:</b>
Pivotal Engineering, LLC
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
B.S. / 2001 / Civil Engineering M.S. / 2014 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2018 / Civil PE #42747 LA PTOE
<b>Other experience and qualifications relevant to the proposed Project:</b>
<ul style="list-style-type: none"><li>• Blind River Fresh Water Diversion; LaPlace, LA</li><li>• Turtle Pond Pump Station; St. Charles Parish, LA</li><li>• Entergy, Coal Ash Landfill, Westlake Louisiana.</li><li>• Sewer Pump Station Testing; New Orleans, Louisiana</li><li>• Clearview &amp; Airline Intersection Improvements; Jefferson Parish, LA</li><li>• Wright Road Improvements; Jefferson Parish, LA</li><li>• Labarre Road Railroad Crossing Improvement; Jefferson Parish, LA</li><li>• Southbound Westwood Drive Rehabilitation; Kenner, LA</li></ul>
<b>Experience includes:</b> Mr. Shifare serves as a Project Director of Pivotal Engineering in charge of Civil/Coastal Engineering projects. He has over 17 years of project and construction management experience for public infrastructures, industrial, commercial and private facilities. As a project director he designs, leads and manages the day to day efforts of engineers on projects that include performing engineering analysis and designing of coastal facilities, analyze all coastal hazards and model all hydrodynamics for various processes and monitor all coastal shoreline restoration processes and associate to resolve all mitigation processes. Mr. Shifare 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.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Bryan B. Smith, P.E.
<b>Project Assignment:</b>
Environmental Project Engineer
<b>Name of Firm with which associated:</b>
Pivotal Engineering, LLC
<b>Years' experience with this Firm:</b>
5
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2011 / Environmental Engineering MS / 2014 / Civil and Environmental Engineering
<b>Active registration: Year first registered/discipline:</b>
2015 / Environmental / PE # 43843
<b>Other experience and qualifications relevant to the proposed Project:</b>
<ul style="list-style-type: none"><li>• Entergy LA Station; Baton Rouge, LA</li><li>• Entergy Corporation Nelson Coal Ash Landfill; West Lake, LA</li><li>• Blind River Fresh Water Diversion; LaPlace, LA</li><li>• Coal Ash Disposal Landfill: Construction Management and Design; Westlake, Louisiana</li><li>• Recovery Roads Phase III; New Orleans, Louisiana</li><li>• Radon Mitigation by Active Soil Depressurization (ASD) System; Loveland, Colorado</li><li>• Wastewater Treatment Plant Improvements; New Orleans, Louisiana</li><li>• Hazard Mitigation Wind Retrofit of Parish-Owned Facilities; New Orleans, Louisiana</li><li>• Sewer Pump Station Testing; New Orleans, Louisiana</li></ul>
<b>Experience includes:</b>
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.

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Sundiata Marcelin, P.E.
<b>Project Assignment:</b>
Civil Project Engineer
<b>Name of Firm with which associated:</b>
Pivotal Engineering, LLC
<b>Years' experience with this Firm:</b>
3
<b>Education: Degree(s)/Year/Specialization:</b>
B.S. / 2004 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2004 / Civil Engineering/ 38589
<b>Other experience and qualifications relevant to the proposed Project:</b>
<ul style="list-style-type: none"><li>• Sewer Pump Station Testing; New Orleans, Louisiana</li><li>• Jefferson Parish East Bank WWTP</li><li>• Planters Drainage Pump Station</li></ul> <p>Mr. Marcellin serves as a Project Civil Engineer at Pivotal Engineering. He has over 10 years of experience in Civil &amp; Structural Engineering &amp; Construction Management. Mr. Marcelin is also experienced with FEA Analysis and Structural Analysis, Hazard Mitigation Design &amp; Residential and Commercial Design &amp; Permitting.</p>

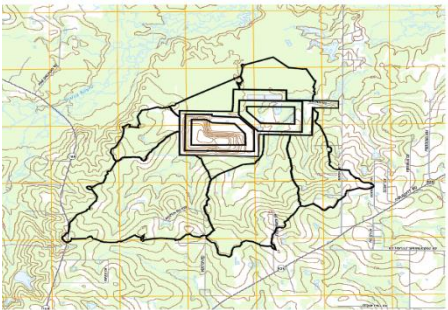
## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Eliot Guerin, E.I., Project Engineer
<b>Project Assignment:</b>
Civil Engineer
<b>Name of Firm with which associated:</b>
Pivotal Engineering, L.L.C.
<b>Years' experience with this Firm:</b>
3
<b>Education: Degree(s)/Year/Specialization:</b>
B.S. / 2018 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2018 E.I./Civil Engineering Texas EIT 63617
<b>Other experience and qualifications relevant to the proposed Project:</b>
<ul style="list-style-type: none"><li>• Coal Ash Landfill, Westlake, LA</li><li>• Sewer Pump Station Testing; New Orleans, Louisiana</li><li>• Phoebe Hearst Elementary School: Re-Surface Asphalt and Repair Damage, Jefferson Parish Public School System, Jefferson Parish, Louisiana</li><li>• H6-5 Smith &amp; Toulouse Lift Station Improvements, Department of Sewerage, Jefferson Parish, Louisiana</li><li>• Pritchard Road Extension, Public Works Department, Jefferson Parish, Louisiana</li><li>• Freeport LNG Liquefaction Project, Freeport LNG, Freeport, Texas</li><li>• Coal Ash Landfill, Westlake, LA</li></ul>
<b>Experience includes:</b>
Mr. Guerin is a civil engineer with 1 year of experience at Pivotal Engineering, focusing on roadway, sanitary sewer, and storm drainage design. So far, he has done design in these areas for several projects which span municipal utilities to school infrastructure. He has also contributed drafting work, estimation, and contract preparation for Pivotal Engineering. In addition, Mr. Guerin has 6 months of experience at Zachry Group over the course of two internships, one of which was at an active construction site, and contributed a significant amount of estimating work for new power plant construction during this tenure.

## 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:	
H&H Modeling and Design of 682-acre Drainage Catchment Basin City of Shreveport Chris Wilder (318) 673-6361	In support of comprehensive drainage system revisions, Pivotal performed hydraulic and hydrologic (H&H) modeling for a 682-acre catchment area. Pivotal staff used Autodesk® Storm and Sanitary Analysis to analyze each subbasin. This analysis was the basis for designing improvements to an existing drainage system.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,100,000	\$270,000

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
CADL H&H Modeling and Design of 200-acre Drainage Catchment Area Nelson Morvant (225) 454-0287	In support of environmental compliance activities, Pivotal designed a drainage system for a 200-acre environmental facility, located in Westlake, Louisiana. Pivotal staff were able to identify areas of deficiency within the current design and to re-design the drainage system to meet expected flowrates. Pivotal staff used Autodesk® Storm and Sanitary Analysis to analyze each subbasin with the drainage catchment area.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2017	\$6,500,000	\$1,260,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Coastal Use Permitting for Dredge Activities Austin Langley (337) 304-1766	On behalf of Entergy Louisiana, Pivotal Engineering has applied for and received numerous coastal use permits (CUPs) for Mississippi River dredging activities. Pivotal completed the permit application, managed surveying activities and developed the drawings set. Throughout the permitting process, Pivotal coordinated with all stakeholders to ensure that all individual requirements were met and that each phase of the approval process was kept moving forward. Stakeholders included Louisiana Department of Natural Resources, United State Army Corps of Engineers, Coastal Protection Restoration Authority and Pontchartrain Levee Board.	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019	\$350,000	\$35,000

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Beneficial Use of Dredged Material, Westlake, LA Nelson Morvant (225) 454-0287	Pivotal conducted soil sampling of dredged material. Detections were compared to RECAP standards and recommendations for beneficial use of material was submitted to the client via a formal report. On behalf of the client, Pivotal prepared the beneficial use application and was successful in obtaining approval for on-site reuse of the material.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2019	\$260,000	\$22,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
NASA Solar Station Michoud, LA Nelson Morvant (225) 454-0287	Prior to installing the 200-acre solar station, Pivotal was retained to perform multi-media sampling and risk-based analysis of the layout area. Pivotal developed a sampling and analysis plan based on prior reports and investigations. Pivotal performed soil and groundwater sampling and compared all detections to the developed risk-based standards.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	\$42,000,000	\$230,000

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Ingalls Shipbuilding, Avondale Mainyard, Avondale, LA Brian McVeigh (228) 935-3919	Pivotal performed Environmental Site Assessment of 250-acre ship manufacturing facility. Reviewed historical records dating to 1890s and operational data from 1930s. Team conducted details site inspections to locate prudential environmental concerns. The objective of this project is to conduct an Environmental Site Assessment (ESA) of the Property in accordance with the "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Standard E1527-13 (2013), in part to establish the CERCLA "Innocent Land Owner Defense" and whether any potential Recognized Environmental Conditions which can cause a "Business Environmental Risk" (BER) (as defined in ASTM Standard E1527-13) that could adversely impact the Property. Use of ASTM Standard E1527-13 intends to constitute "All Appropriate Inquiries" for establishing Land Owner Liability Protection under the Brownfield Amendments.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2018	\$70,000,000	\$52,000



## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Entergy Corporation Sterlington Generation Facility Sterlington, LA Kathy Brown (318) 732-1385	Pivotal prepared risk assessment for closure of wastewater ponds approved by Louisiana Department of Environmental Quality (LDEQ) for "No Further Action."	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	\$550,000	\$550,000

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Lead Contaminated Soil at Industrial Facility Baton Rouge, LA Nelson Morvant (225) 454-0287	Due to concerns of lead contamination near an existing water tower, Pivotal was retained to delineate and evaluation lead concentrations in soil samples. Pivotal performed soil sampling and determined the extent of contamination. CAD and GIS were used to produce modeling outputs of the extent of contamination.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2018	\$150,000	\$150,000



## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
RECAP Evaluation for Closure Activities at Permitted Surface Impoundments Michoud, LA Nelson Morvant (225) 454-0287	Pivotal generated a RECAP Evaluation of constituent detections at two LDEQ-permitted surface impoundments at an industrial site. Pivotal coordinated with LDEQ representatives to ensure timely approval of the report. The approved report allowed the closure activities to proceed on schedule.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2017	\$1,400,0000	\$375,000

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
RECAP Evaluation for Surface Impoundment, Westlake, LA Nelson Morvant (225) 454-0287	In support of the groundwater monitoring program at RCRA solid waste management unit, Pivotal was retained to update the groundwater protection standards for the assessment monitoring program. The updated report was approved by LDEQ.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$1,100,000	\$1,100,000

## TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
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's staff has provided engineering support to many Fortune 500 customers for over the last 20 years.

Pivotal Engineering is a certified Small Business Enterprise with both the Small Business Administration and the New Orleans Regional Transit Authority and is certified as a Disadvantaged Business Enterprise by the City of New Orleans. Pivotal Engineering is also certified by the Louisiana Department of Economic Development as a Small Entrepreneurship SE (Hudson Initiative) firm.

## **TEC Professional Services Questionnaire**

### **Minimum Requirements for Selection**

**The persons or firms under consideration for professional services shall have at least one (1) firm representative who has at least five (5) years' experience in the field or fields of expertise required for the project(s).**

**Tarek Elnaggar, PE  
M.S. / 1998 Civil Engineering  
B.S. / 1985 / Civil Engineering  
Louisiana Civil/Environmental Engineering #23832  
Texas Civil/Environmental Engineering #85089  
Mississippi Civil/Environmental Engineering #14839**

**Avinash Mehta, PE  
M.S. / 2003 / Civil Engineering  
B.S. / 2000 / Civil Engineering  
Louisiana Civil Engineering #35100**

### **Evaluation Criteria**

**1. Professional training and experience in performing small, site-specific environmental projects, such as environmental site assessments; corrective action plans; risk assessments; brownfields redevelopment; coastal use permit applications; coastal restoration planning assistance; research of regulations, available technologies, etc. (40 points)**

Pivotal Engineering is currently providing these 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, The City of Kenner, St. Charles Parish, and St. John 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 local, state, and federal governmental agencies procedures and regulations.

Pivotal has worked with private developers and government agencies to help deal with the challenges of economic revitalization, infill development and brownfield reclamation in order to accommodate the growing infrastructure needs of cities. Our primary focus begins with assisting public sector agencies and private development companies to effectively plan to 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.

Our Team is equipped to work hand in hand with Jefferson Parish in providing miscellaneous environmental services. Pivotal Engineering team includes senior environmental engineers and technicians with extensive experience performing site assessments, remediation, air, waste and water permitting and compliance. Additional experience includes asbestos and lead inspections and the development of abatement plans. Pivotal is routinely retained by Fortune 500 companies and government agencies to provide compliance solutions.

**2. Past and current professional accomplishments for which references from clients or former clients and information gathered by inspection of current or recent projects may be considered (40 points).**

Pivotal Engineering has a history of providing electrical design and construction administration services to a variety of private clients including Entergy and Waste Management. Pivotal personnel have also provided an abundance of these services to many municipalities and state agencies in the region; including The City of New Orleans, The City of Shreveport, St. Charles and Jefferson Parishes. Pivotal Engineering has in depth understanding of not only Jefferson Parish procedures and regulations, but also those of other local, state and federal governmental agencies.

## **TEC Professional Services Questionnaire**

Pivotal staff have worked on the following partial listing of relevant projects:

- City of Shreveport Woolworth Road Landfill; Shreveport, LA
- Waste Management of Louisiana, LLC, Woodside Landfill; Walker, LA
- Waste Management of Louisiana, LLC, Woodside Landfill; Walker, LA
- Waste Management of Louisiana, LLC, Reliable Landfill; Livonia, LA
- Perryville Plant Beneficial Use Application; Sterlington, LA
- Entergy LA Station; Baton Rouge, LA
- Entergy Corporation Nelson Coal Ash Landfill; West Lake, LA
- Waste Management of Louisiana, LLC, Magnolia Landfill; Monroe, LA
- Waste Management of Mississippi, Inc., Pecan Grove Landfill; Gulfport, MS
- Waterford Plant River Dredging Permitting; Killona, LA
- Blind River Fresh Water Diversion; LaPlace, LA
- Entergy, LLC Nelson Debris Pile RECAP; West Lake, LA
- Nelson Plant Beneficial Use Sampling Application; West Lake, LA
- Entergy Nine Mile Levee Permits; New Orleans, LA
- Nelson Coal Ash Landfill Permit Modification and Vertical Expansion; Westlake, LA

**In testimony to our performance history, we offer the following specific reference for contact:**

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

## **TEC Professional Services Questionnaire**

- Wes Wyche; Director of Public Works; City of Shreveport; (318) 673-6000, [Wes.Wyche@shreveportla.gov](mailto:Wes.Wyche@shreveportla.gov)
- Christopher Racca; Environmental Protection Manager; Waste Management; (225) 637-2385, [cracca@wm.com](mailto:cracca@wm.com)

### **3. Capacity for timely completion of the project, including the size of the firm based on the number of personnel, as related to project requirements and/or scope (20 points).**

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.

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:

## TEC Professional Services Questionnaire

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.

**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:** 1/06/2023

## **Attachment A**

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### **Pivotal Engineering SOQ Packet**

## 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 drainage services. 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 design, installation, and maintenance.

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

- Civil Engineering
- Environmental Engineering
- Coastal Restoration
- Transportation Engineering
- Structural Engineering
- Mechanical Engineering
- Electrical Engineering
- Geotechnical Engineering & Testing
- Data Collection
- Data Management
- Data Analytics & Visualization
- Construction Management
- Construction Inspection

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

As guiding values, our 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.

Pivotal 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.

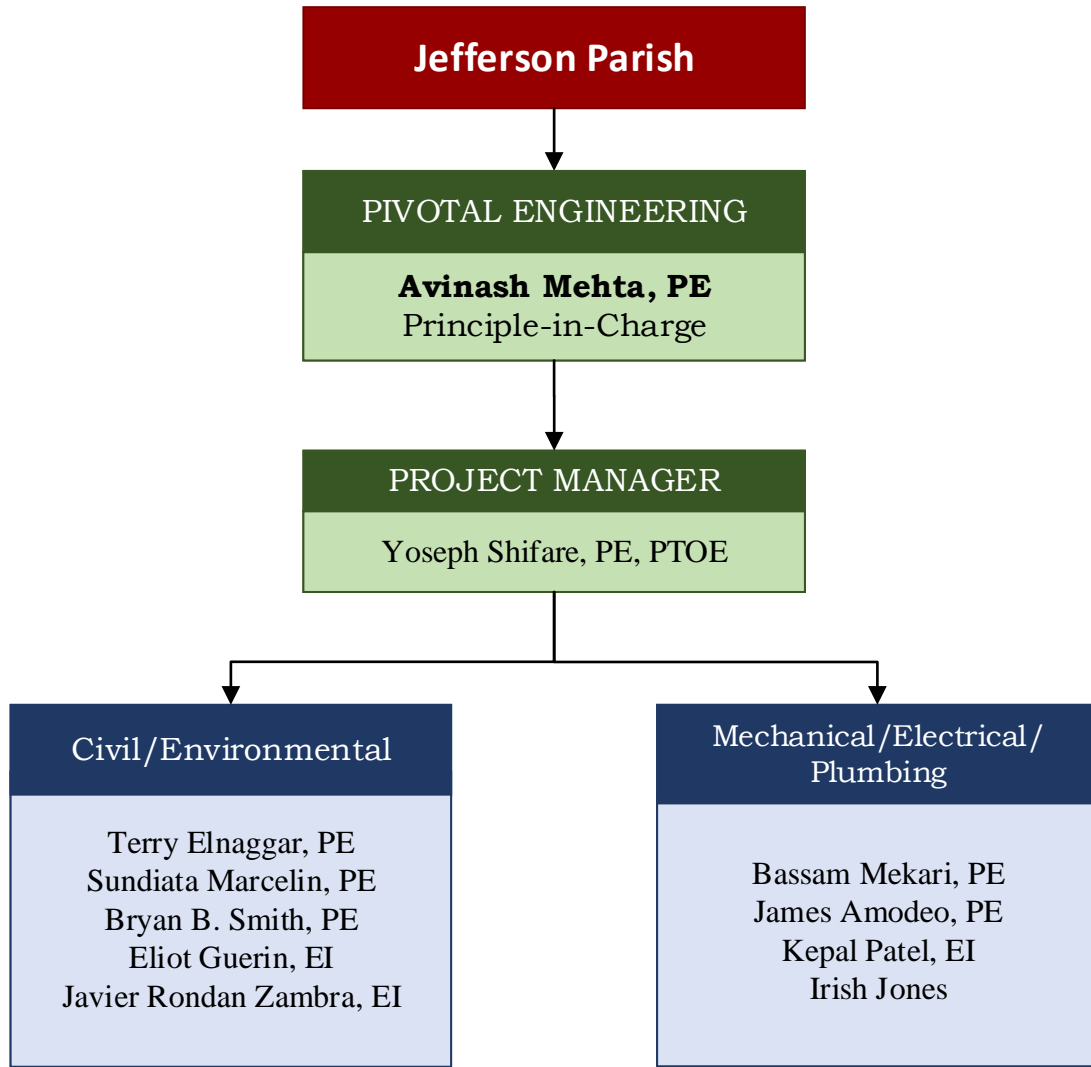
Our team is committed to defining the project and setting expectations as our first step toward making that project a success. We, as a team, will apply various techniques for project estimation and cost control including:

- 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



## **Section 3 - Team Profile & Experience**

### **3.1 Team Profiles**

#### **3.1.1 Pivotal Engineering, LLC**

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, the City of Kenner, 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 1875, New Orleans, LA. Work assigned to Pivotal will be performed from the main office.

### **3.2 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.

Proven with experience, Pivotal is routinely retained by Fortune 500 companies and government agencies to provide compliance solutions. The following is brief summary the team's experience:

#### **CADL H&H Modeling and Design of 200-acre Drainage Catchment Area**

In support of environmental compliance activities, Pivotal designed a drainage system for a 200-acre environmental facility, located in Westlake, Louisiana. Pivotal staff were able to identify areas of deficiency within the current design and to re-design the drainage system to meet expected flowrates. Pivotal staff used Autodesk® Storm and Sanitary Analysis to analyze each subbasin with the drainage catchment area.

## **Coastal Use Permitting for Dredge Activities**

On behalf of Entergy Louisiana, Pivotal Engineering has applied for and received numerous coastal use permits (CUPs) for Mississippi River dredging activities. Pivotal completed the permit application, managed surveying activities and developed the drawings set. Throughout the permitting process, Pivotal coordinated with all stakeholders to ensure that all individual requirements were met and that each phase of the approval process was kept moving forward. Stakeholders included Louisiana Department of Natural Resources, United State Army Corps of Engineers, Coastal Protection Restoration Authority and Pontchartrain Levee Board.

## **Beneficial Use of Dredged Material, Westlake, LA**

Pivotal conducted soil sampling of dredged material. Detections were compared to RECAP standards and recommendations for beneficial use of material was submitted to the client via a formal report. On behalf of the client, Pivotal prepared the beneficial use application and was successful in obtaining approval for on-site reuse of the material.

## **NASA Solar Station, Michoud, LA**

Prior to installing the 200-acre solar station, Pivotal was retained to perform multi-media sampling and risk-based analysis of the layout area. Pivotal developed a sampling and analysis plan based on prior reports and investigations. Pivotal performed soil and groundwater sampling and compared all detections to the developed risk-based standards.

## **Ingalls Shipbuilding, Avondale Mainyard, Avondale, LA**

Pivotal performed Environmental Site Assessment of 250-acre ship manufacturing facility. Reviewed historical records dating to 1890s and operational data from 1930s. Team conducted details site inspections to locate prudential environmental concerns. The objective of this project is to conduct an Environmental Site Assessment (ESA) of the Property in accordance with the “Standard Practice for Environmental Site

Assessments: Phase I Environmental Site Assessment Process,” ASTM Standard E1527-13 (2013), in part to establish the CERCLA “Innocent Land Owner Defense” and whether any potential Recognized Environmental Conditions which can cause a “Business Environmental Risk” (BER) (as defined in ASTM Standard E1527-13) that could adversely impact the Property. Use of ASTM Standard E1527-13 intends to constitute “All Appropriate Inquiries” for establishing Land Owner Liability Protection under the Brownfield Amendments.

## **Entergy Corporation Sterlington Generation Facility, Sterlington, LA**

Pivotal prepared risk assessment for closure of wastewater ponds approved by Louisiana Department of Environmental Quality (LDEQ) for “No Further Action.”

## **Lead Contaminated Soil at Industrial Facility, Baton Rouge, LA**

Due to concerns of lead contamination near an existing water tower, Pivotal was retained to delineate and evaluation lead concentrations in soil samples. Pivotal performed soil sampling and determined the extent of contamination. CAD and GIS were used to produce modeling outputs of the extent of contamination.

## **RECAP Evaluation for Closure Activities at Permitted Surface Impoundments, Michoud, LA**

Pivotal generated a RECAP Evaluation of constituent detections at two LDEQ-permitted surface impoundments at an industrial site. Pivotal coordinated with LDEQ representatives to ensure timely approval of the report. The approved report allowed the closure activities to proceed on schedule.

## **RECAP Evaluation for Surface Impoundment, Westlake, LA**

In support of the groundwater monitoring program at RCRA solid waste management unit, Pivotal was retained to update the groundwater protection standards for the assessment monitoring program. The updated report was approved by LDEQ.

## Personnel Qualification

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 Pivotal'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 In Charge**

**Avinash Mehta, PE**

**Principal In Charge -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 Director/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.

## **Environmental Engineering**

### **Tarek Elnaggar, P.E.**

#### **Senior Environmental Engineer**

##### **Education**

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

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

##### **Professional Associations**

Louisiana/Civil/Environmental Engineering/23832 Texas/Civil/Environmental Engineering/85089

Mississippi/Civil/Environmental Engineering/14839

##### **Experience**

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

## **Bryan B. Smith, PE**

### **Environmental Engineer**

##### **Education**

BS / 2011 / Environmental Engineering

MS / 2014 / Civil and 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.

## **Civil Engineering**

### **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.

### **Eliot Guerin, EI** **Civil Engineer Intern**

#### **Education**

B.S. / 2018 / Civil Engineering

#### **Professional Associations**

2018 E.I./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.

### **Electrical 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.

### **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

#### **Professional Associations**

None

#### **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.

job progress, concerns, project milestone dates, and contract time and scope; and interacting with the client to make sure all concerns and needs are addressed.

## **Mechanical Engineering**

### **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.

## **Construction Management**

### **Darius Cook**

#### **Project/Construction Manager**

##### **Education**

BS, Civil/Environmental Engineering in progress

##### **Professional Associations**

Louisiana Licensed: Asbestos Contractor, Asbestos Inspector and Lead Inspector

##### **Experience**

Mr. Cook is experienced with overseeing the overall construction activities of the project; preparing daily diary reports of the construction activities; keeping daily, weekly and monthly quantities for the job cost tracking; meeting with contractor and owner's representatives to discuss

## Section 5 - Understanding Project Goals

### Our Approach to Every Project

The Pivotal team has a long history and considerable amount of engineering design experience as well as experience with Jefferson Parish projects as outlined in Section 3. Our team fully understands the project goals and requirements as outlined in the RFP under this contract and will combine our knowledge, lessons learned and past project experiences in achieving the following three project goals as described below:

**GOAL 1 – SCHEDULE:** The team has the needed technical personnel to assure Jefferson Parish that all work will be performed in accordance to the contract scope of work and in strict conformance with the latest Codes, guidelines and standards. Our team has the manpower, equipment, and expertise to execute any given project within a reasonable time frame. The team is composed of companies that have a reputation of project delivery both on time and within budget. Pivotal's current workload will allow for quick assignment of technical resources to the project at hand. In addition, the team has the required management and field personnel readily available to begin the necessary services upon written notification within 24-hours.

- **Accelerated Design Approach:** We will implement a “rolling” design process that allows the design to run concurrently with the approval required from various stakeholders. Once selected, and before NTP, we will develop a scoping plan to finalize roadway alignments. This will allow Jefferson Parish and other related departments to proceed quickly. Submission of smaller design packages will promote quicker review times and approvals.
- **Quality and Team Integration:** We will utilize stringent internal QA/QC procedures described in detail in Section 6 process to ensure that design and construction meets all the RFP requirements. Pivotal's approach will ensure that all stakeholders are involved in the process from start to finish, and that expectations are understood by all parties. Our team will provide a direct line of communication internally and to anyone who is a representative of Jefferson Parish to the assigned Project Principal and Manager. Our team will provide cell phone lines as the first line of communication, followed by e-mail

transmissions and office lines as last resorts. The team will not let calls or e-mails go unanswered more than 24-hours. With this, we have seen huge success as it relates to our client's reliance on us as their consultant of choice.

- **Jefferson Parish Approvals:** We will use our lessons learned from the various RR projects to include the Jefferson Parish as a partner toward achieving the project goals. We will schedule bi-weekly meetings with Public Works early in the design process to ensure our that our design sequence is understood and that our plans will be easily approved at every stage.

**GOAL 2 – RIGHT-OF-WAY/ENVIRONMENTAL RESOURCES:** We will minimize impacts to private property and environmental resources by applying practical design approaches. Our team is committed to executing each project with the highest level of professional care for the protection of human health and the environment. We will continually investigate and document avoidance measure to reduce/eliminate impacts to floodplains, wetlands, forests, streams, buffers, historic properties, communities and endangered species.

**GOAL 3 – DESIGN EXCELLENCE:** Our team will practice good judgment through execution, as well as sound decision-making within project constraints. Pivotal has a history of design excellence, as evidenced by references from various City, state agencies and Parishes across the state. Pivotal understands that the key to design excellence is a collaborative, integrated effort between all parties, including Department of Coastal Management and other stakeholders. We have a history of completing both large-scale and small-scale projects and we understand the level of effort that is required to produce quality plans. We will foster a professional environment that promotes solid engineering judgment, places a high value on quality, and ensures stakeholder expectations are exceeded. All plans and reports released will undergo design QA/QC review, internal design quality management review, and Jefferson Parish review as appropriate.



## **Section 6 - Approach to agency coordination and Quality Assurance/ Quality Control Plan**

### **6.1 Past Performance with Public Agencies**

Pivotal Engineering is currently providing engineering and management services to many municipalities and state agencies in the region including State of Louisiana, City of New Orleans, Jefferson Parish, City of Shreveport, City of Kenner, St. Charles Parish, and St. John the Baptist Parish. In testimony to our performance history, we offer the following specific references:

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

Architectural and Engineering Services are also provided to private clients such as Entergy, Waste Management, and private developers.

To achieve the expected project performance schedule, quality of work, and delivery of the projects on time Pivotal follows the best engineering practices:

### **6.2 Approach and Resources for Successful Project Completion**

Pivotal Engineering is well equipped to deliver projects that satisfy all components of design, construction, community engagement and environmental awareness. To achieve the expected outcomes, Pivotal Engineering focuses on the key aspects: logistics, administration, scope, budget, timeframe, technicality, social responsibility, and environmental awareness. These aspects are summarized below:

#### ***Approach to Agency Coordination:***

The team will identify responsible agencies as early as practical. The team will notify 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 stakeholder agencies are fully engaged in the scoping of the project and the decisions regarding alternatives to be evaluated in detail in the design. Design excellence will be achieved through full collaboration with all the project stakeholders, including utilities, resource agencies, local jurisdictions, communities, property owners and elected officials. We will keep the stakeholders informed through regular updates and face-to-face meetings to ensure their concerns are addressed. By setting expectations for all parties early in the design process and resolving issues quickly, our design plans will reflect the needs of the stakeholders.

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:

- a. Provide meaningful and early input to address concerns and impacts.
- b. Identify issues that could substantially delay or prevent granting of permits/approvals.
- c. Identify opportunities for collaboration, including participating in coordination meetings and joint field reviews, as appropriate.

- d. 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.

▪ ***Capacity to execute environmental projects:***

Pivotal staff have a proven track record with completing environmental projects including large 200+ acre site assessments and large-scale site remediation, Pivotal staff have the necessary experience and skill sets to complete any size project. Pivotal ensures redundancy in skills through cross-training on all modeling software, including AutoDesk Sanitary Sewer and Stormwater Analysis, HEC-RAS, H2O Map and ArcGIS packages. Additionally, Pivotal staff are experienced with LandGEM, HELP Model, Sanitas, QGIS and others. Pivotal staff are capable of providing environmental services for project types both large and small.

▪ ***Capacity in Integrating Environmental and Social Concerns:***

The key personnel involved on the project are senior environmental and geotechnical engineers with tremendous experience in environmental projects which concerns the local citizens. The Team is capable of addressing any concerns by working closely with LDEQ in risk assessments, developing SWPPP, storm water permitting, groundwater investigations, regulatory compliance and environmental process design.

An example can be given by recalling the Lafitte Greenway Project; it was designed by Pivotal. Environmental concerns were mitigated in compliance with LDEQ requirements.

▪ ***Capacity to Create and Lead Multi-Disciplinary 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.

The team has the ability to assist with both environmental investigation and compliance projects. Furthermore, review of the projects' constructability, inspection, testing reports, cost estimates, meetings participation, contract processing and handling during

all phases of the projects can be accomplished by Pivotal accurately. Further, our team can carry out schematic design services such as outlining and developing general design criteria for enhancement, performing conceptual plans, and preparing and submitting grant applications.

The team will prepare and submit all the required documents conforming with Jefferson Parish's format, content, and comments. All the drawings and electronic files will be delivered in a format compatible with Jefferson Parish's CAD and software system requirement and have signature and stamp associated with Louisiana registered Civil or Environmental Engineer.

▪ ***Team's Ability to Meet Schedules and Deadlines:***

Our team will carefully track and actively manage the design schedule to ensure that it supports the overall construction schedule. Good judgment will be exercised by including realistic design, QA/QC, and other review and permitting durations. For the benefit of all stakeholders, we will provide a six- week look ahead schedule showing all design packages.

Advance notification of design submissions will be provided to Jefferson Parish and others as required. Regular meetings will be a key element of our approach to design excellence. Disciplines will meet on a weekly basis to discuss the details of the design and coordinate with other disciplines to advance the design. Monthly or bi-weekly progress meetings will include all key staff, critical discipline leaders, design /construction leadership, stakeholders and third parties as necessary to complete the work. All meetings will include agendas and meeting minutes including issue tracking / resolution, risk tracking / mitigation, stakeholder concerns / resolutions, permit log/tracking, and six-week look ahead schedules. These meetings will also be used as an opportunity to conduct over-the-shoulder reviews.

The team has the required technical personnel to assure Jefferson Parish that all work will be performed in accordance with the contract scope of work and in strict conformance with the latest codes, guidelines and standards. The team has the manpower, equipment, and expertise to execute any given project within a reasonable time frame. The team is comprised of Companies that have a reputation of project delivery both on time and within budget.

### ▪ *Outreach Methods used in the past projects:*

Pivotal Engineering has worked closely with Jefferson Parish and other agencies throughout the state of Louisiana coordinating inputs from government agencies, stakeholders and community groups. The outreach was conducted through agencies collaboration meetings, workshops for stakeholders regarding design and management, and community meetings to disseminate the plan for community feedback. The team understands that making this process as extensive as possible will help with community buy-in for project implementation. Pivotal Engineering acknowledges the meaningful role that a community has in project development and overall success and is committed to maintaining symbiotic relationships with communities throughout project life and beyond.

## **6.3 Quality Control & Quality Assurance Plan:**

As outlined in this Statement of Qualifications, the team not only presents the number of professional and support personnel available to perform these types of engineering tasks, but also demonstrates the breadth and diversity of the capabilities of the staff. Beyond this diversity of capabilities, the team's key personnel staff has combined experience of greater than 500 years of experience in all phases of project delivery, including survey, architectural, civil, geotechnical, mechanical, electrical, structural, environmental engineering, construction management, construction inspection and program/project management. These professional qualifications include city, state, and federal certifications in safety, management, and a list of other certifications.

The integrated team will provide a direct line of communication internally and to anyone who is a representative of Jefferson Parish to the assigned Project Principal and Manager. The integrated team will provide cell lines as the first line of communication, followed by e-mail transmissions and office lines as last resorts. The team will not let calls or e-mails go unanswered more than 24-hours. Pivotal has had huge success as it relates to our client's reliance on us as their consultant of choice.

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 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:

- a. Focus - Management actively promotes quality in our business activities and defines responsibilities for maintaining a quality focus.
- b. Service - Staff members are trained, available, and committed to providing quality services.
- c. Delivery - Processes and procedures are in place that promotes quality in the delivery of our products and services.
- d. 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.

▪ ***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 and the community, reduces waste, and maximize efficiency through all phases of design, bid, and construction.

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

- a. Identify the team's roles that are most important to the project.
- b. Consider interests and seek involvement of select additional parties, such as agency official(s), local utility companies, and other stakeholders.
- c. Define (in a mutually understandable fashion) the values, goals, interests and objectives of the project to the larger program goals.
- d. 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.
- e. 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.

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