

Pivotal Engineering, LLC

Forrest County Agricultural High School District



Request for Qualifications

Architectural/Engineering Services Forrest County Agricultural High School

September 13th, 2021
3:00 pm

Pivotal Engineering, LLC
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pivotal
engineering

September 13th, 2021

Breanna Lee, ESSER Coordinator
Forrest County Agricultural High School District
215 Old Highway 49 East
Brooklyn, MS 39425

RE: RFQ Architectural/Engineering Services

Dear Ms. Breanna Lee,

Pivotal Engineering, LLC is pleased to submit this proposal to Forrest County Agricultural High School District for the **Architectural/Engineering Services**. Pivotal's team understands the services to be performed and will make a strong commitment to provide services as described in the RFQ packet. The Pivotal team brings wealth of skills, and experience in data collection, data management, field inspection, cost estimation, planning, civil engineering, environmental engineering, mechanical engineering, construction management, project management and program management. We have the needed experience and capabilities to provide the Forrest County Agricultural High School District with the most effective and efficient approach for the architectural/engineering services and management related, but not limited to, the School Facility Upgrades and Improvements.

We acknowledge the scope of services and are ready to provide quality services within the schedule for all phases of inspection (daytime and nighttime), data collection management (e.g., monitoring incoming inspection data, incoming 311 tickets, QA/QC, summary of findings) and deliverables (e.g., final report, inspection records, electronic file transfers).

Pivotal affirms that there is no conflict of interest with the firm and its proposed team in performing work for the Forrest County Agricultural High School District, nor any possible conflicts that might impair Pivotal's ability to perform if awarded the contract, including any familiar or business relationships that Pivotal including the proposed sub consultants and the firm's Principals have with the Forrest County Agricultural High School District and its employees.

The **Pivotal Engineering, LLC** team would appreciate the opportunity to work with the Forrest County Agricultural High School District. We are grateful for your consideration of our proposal and look forward to the potential opportunity with your team.

I, Avinash Mehta, will serve as representative of Pivotal Engineering, LLC.

Sincerely,



Avinash Mehta, PE | Principal
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Section 1: Introduction

The **Pivotal Engineering, LLC** - here in after called “Pivotal” brings an unparalleled depth of capabilities on Architectural, Civil, Geotechnical, Mechanical, Electrical, Street Lighting, Structural, Environmental Engineering, Construction Management, Construction Inspection, and Topographic Survey experience. Pivotal’s capabilities will provide the Forrest County Agricultural High School District with the most effective and efficient approach for providing architectural/engineering services and management related, but not limited to School Facility Upgrades and Improvements.

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

- Civil Engineering
- Environmental Engineering
- Structural Engineering
- Mechanical Engineering
- Electrical Engineering
- Construction Management
- Construction Inspection

Under the disciplines, each Pivotal staff 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), computer-aided design (CAD) and real-time monitoring equipment. Pivotal’s capabilities will provide Agricultural High School District with the most effective and efficient approach for providing high quality services.

As guiding values, Pivotal Staff 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 staff will provide an optimized concurrent engineering environment that provides an opportunity to substantially reduce the design time and total cost of a project. Benefits of our integrated staff

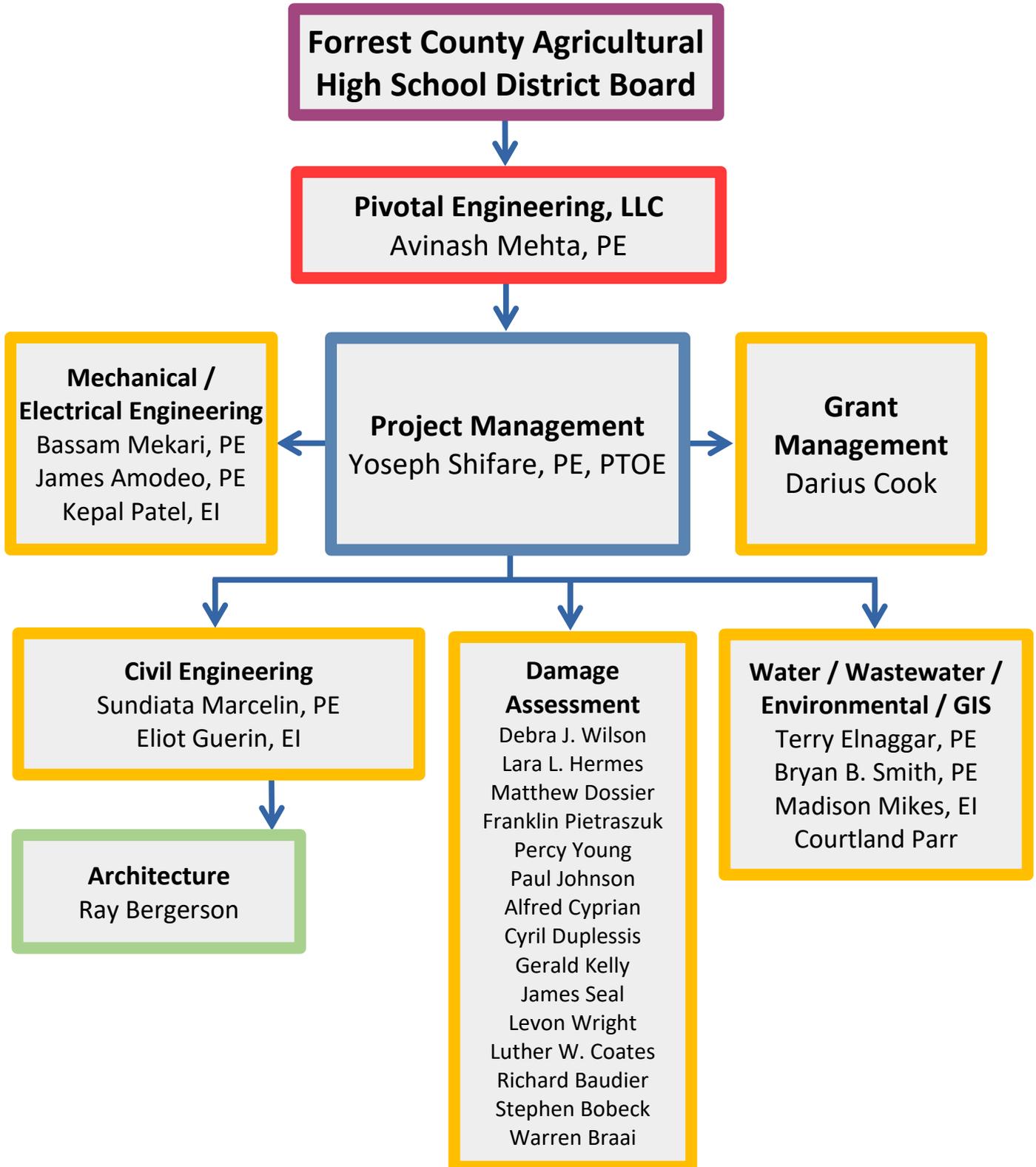
with members of various skilled disciplines enable a simultaneous contribution to an early project definition and increase the likelihood of a reduced lifecycle cost by avoiding costly alterations later in the design process.

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, on time, and within budget and schedule.

Pivotal 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
- Calculating a life cycle cost benefit analysis
- Keeping Track of Costs
- Establishing a Communication Plan
- Effective Time Management
- Project Change Control
- Use of Earned Value to Monitor Both Cost and Schedule

Section 2 Organizational Chart



Section 3: Specialized Experience

3.1 Pivotal Engineering, LLC

3.1.1 Company Profile: 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, environmental engineering, construction management, construction inspection and program /project management for both public and private entities across the Gulf South Region.

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 urban 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.

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. 100% of the work assigned to Pivotal will be performed from the main office.

3.1.2 Experiences with similar projects

Pivotal Engineering 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.

Experience with School Design & Construction

(1) Lincoln Elementary School for the Arts New School Design; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish School Board to provide engineering services for Lincoln Elementary School. The school building is 85,000 square feet. Our scope was to provide the full MEP design services. The frame was a metal building and had one main community center, a 2 story library, kitchen, Cafeteria and classrooms. The construction budget was \$18,000,000.

The main scope consisted of:

- HVAC consisted of RTUs and Splits with Hot Gas Reheat (307 tons)
- A full Blow Building Management System with a manual bypass
- New fire Alarm System
- Automatic Sprinkler System
- PA System
- CCTV system
- Plumbing

- Electrical



(2) MIMOSA Elementary School HVAC Systems Replacement; Luling, LA

The scope consisted of removing all of the outdated DX Split System HVAC units and replace them with a centralized 4 pipes chill water systems (2 – 150 tons screw type, air cooled chillers), update the Power Distribution Grid and increase its capacity to compensate for the increased power demand, change the hot water boilers and all related pumps, ventilate the classrooms as required by ASHRAE and IBC regulations and add few classrooms to the existing floor plans. The project was challenging do to the lack of existing as-built which made our task more difficult since we had to tie in to existing water system, power grid and sewer system. Our engineers performed detailed field inspections in order to determine how to integrate with existing utilities and avoid any potential conflicts. The project was completed without any change orders on time and within schedule.

In the long term, the new system designed will provide a cost savings of approximately \$10,000 - \$15,000 per year to the St. Charles School Board. Pivotal was also responsible for providing staff to conduct baseline, daily, and clearance asbestos air monitoring during the removal of asbestos piping.

Work scope summary consisted of: MEP, Electrical, Architectural, Structural, Civil and Environmental.



(3) Ames (Collins Elementary) Montessori School Renovations and Expansion; Jefferson Parish, LA

This project consisted of renovating an existing portion of the school (Kitchen and Cafeteria) and adding a new 30,000 sq ft wing for classrooms. Pivotal's scope was to provide full MEP design services.

Pivotal personnel were very instrumental in saving Jefferson Parish School Board a \$250,000.00 unexpected Change Order to remove the newly installed 6" Fire Main underground during the Construction Phase and replacing it by an 8" line as requested by the Parish engineering department. Although the civil engineering portion of the work was not part of our scope, the school board contacted Mr. Mekari, currently Pivotal's MEP project manager and asked him if he can look into this issue and resolve it. Mr. Mekari then discovered that the original Civil Engineer bid set showed a 6" underground Fire Line however, his permit set was modified to an 8" Fire Line as demanded by the Parish. Not only the change order was very costly but it was going to delay the school from opening on time which can cause a huge logistical problem to the board. Pivotal's personnel "stepped up to the plate" and were able to prove to the Jefferson Parish Engineering Department that a 6" line would be sufficient although their permit documents that was submitted by the previous Civil Engineer

called for an 8" fire line to be installed. Consequently, Mr. Mekari demonstrated and convinced Jefferson Parish Engineers after several meetings with back up hydraulic calculations and he was able to obtain an actual letter from the NFPA referring to code exceptions for this project that a 6" line would be acceptable by code. Not only this resulted in saving of \$250,000.00 but it also allowed the schedule to be met and the school to open in time.

Another setback in the civil design was also discovered by our team as well in the civil scope three weeks before construction completion and school opening date. The previous Civil Engineer had the wrong slope and invert measurements on the main sewer line thus, the newly installed school sewer line did not have enough slope to tie in to the city sewer line. To resolve this problem, Mr. Mekari recommended a lift station which was the only feasible option. The usual delivery date for a lift station is 6 weeks; however, Pivotal's staff was able to design and locate a temporary lift station to be installed. The lift station was designed, ordered, delivered and installed within that same week and school was able to open on time. Again, this shows the due diligence of our staff and their engineering capabilities.

Our main scope summary consisted of:

- HVAC consisted of RTUs and Splits with Hot Gas Reheat for better humidity control (275 tons)
- Automatic Sprinkler System
- PA System
- CCTV system
- Plumbing
- Electrical Power Distribution and Lighting
- Fire Alarm
- Civil design value engineering



(4) St. Charles Parish School Board Transportation Facility, St. Charles Parish, LA

St. Charles Parish School Board's East Bank school bus maintenance facility was 50% over capacity of the existing facility, resulting in delays in both service and maintenance as well as making training difficult. Pivotal was retained to develop the conceptual design for an expanded facility. The improved facility will provide additional service bays, parts storage, new training/meeting room, driver lockers, and offices for dispatch, maintenance and accounting. More efficient electrical and mechanical systems will be incorporated into the new facility. The design will also include new fueling facilities and expanded parking areas, as well as a state-of-the-art bus wash station.

(5) R.J. Vial Elementary School Renovations Paradis, LA

Pivotal was retained by St. Charles Parish for the R.J. Vial Elementary School Project. Pivotal designed the 20,000 sq. ft. classroom renovations to the existing layout. The main scope consisted of adding new fire walls, removing asbestos material, adding new VAV HVAC system, upgrading the electrical network to support the added loads, new lighting and Fire Alarm system.

(6) Albert Cammon Middle School, St. Rose, LA

The main scope consisted of adding a total of 21,000 sqft to the existing school building. The new additions (2 buildings) consisted of a new locker room for boys and girls with new bathrooms. This locker room connects to the existing gymnasium. The second building consisted of a new classroom wing with 21 classrooms, an art room and a music center. Pivotal

engineering was the prime and the professional of record on this job and handled all of the A/E disciplines in house. Some of our responsibilities consisted of meeting with the teachers to finalize the floor plan during the schematic phase and update the construction budget throughout the different phases to stay within client's budget. Since all of the A/E work was performed in our office, there were no conflicts between the disciplines which resulted in eliminating unnecessary change order during the construction phase. Other responsibilities consisted of conducting site construction meetings during the construction administrations, providing meeting minutes, reviewing and approving pay applications.

Our scope summary consisted of: Architectural, MEP, Civil and Structural designs. The project value was \$3.8 million.



Experience with roadway projects

Pivotal's engineers have with extensive experience and excellence in performing roadway and bike trail design including street vertical and horizontal geometry, drainage, water, sewer based on the requirements set in CNO, S&WB, LDOTD, AASHTO, FHWA and ADA requirements/specification and standards. In addition Pivotal Engineers have extensive experience in water and wastewater design, environmental site assessments, remediation, air, waste and water permitting and compliance, environmental Study services for a Categorical Exclusion ("CE"), Record of Environmental

Considerations (“REC”), site-specific Environmental Assessment (“EA”) in accordance to the National Environmental Policy Act (“NEPA”). Additional experience includes asbestos and lead inspections and the development of abatement plans.

We ask that you note the following projects that represent the specialized experience under the category of design engineering service:

(1) 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; and for coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations. The project was federally funded.

(2) RR017 BW Cooper, Gert Town Dixon Group D, 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 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.

(3) 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.

(4) RR019 BW Cooper, Gert Town Dixon Group F, 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 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.

(5) RR076 Lake Vista Group D, 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 5 blocks (1,750 ft) in the neighborhood of Lake Vista. 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 coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.

(6) RR034 E. Carrollton Group C (Adams St.), 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 8 blocks (4,936 ft) in the neighborhood of Adams St. 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 coordinating all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.



(7) RR203 Gentilly Terrace South Group K, New Orleans, LA

Pivotal is retained by City of New Orleans to provide roadway patch, mill and overlay reconstruction improvement). The project entails roadway rehabs to Gentilly Terrace neighborhood. This design of these 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 design of mill and overlay reconstruction, preparation of capital cost estimates and construction documents for the project.



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

(8) RR138 Plum Orchard-West Lake Forest Group B, New Orleans, LA

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.



(9) Wright Rd. Improvements, New Orleans, LA

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.

- Reviewed the required topographical survey of existing site conditions prior to start of design phase.
- Designed new drainage network for a 10 years return period.
- Designed new gravity sewer collection system to replace existing system that had been in service for more than 40 years.
- Designed new water main and located it on the median.

- Designed new street for tie-in to side streets.
- Coordinated all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.

The project was valued at \$9 million.



(10) Ramsey St. Improvements, New Orleans, LA

Pivotal personnel were retained to perform the design and construction supervision for the required improvements to Ramsey Street. 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.

Pivotal was also responsible for the following:

- Designing new drainage collection system that tied into an existing box culvert along adjacent intersection. This was necessary due to the re-occurrence of street flooding during any rain activity that takes place in this area.
- Designing new gravity sewer collection system to replace existing system that had been in service for more than 40 years.
- Designing new street for tie-in to major thoroughfare in the City of New Orleans.

- Coordinate all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.
- Construction Management of the overall construction of the above captioned work.

The project was valued at \$3,500,000.



(11) Pritchard Rd. Extension, Jefferson, 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.



(12) Labarre Rd. Railroad Crossing Drainage Improvement, Jefferson, LA

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.

(13) Clearview Airline Intersection Improvements, Jefferson, LA

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.



(14) Southbound Westwood Dr. Rehabilitation, Jefferson, LA

Pivotal personnel were retained by Jefferson parish through Digital Engineering and Imaging, Inc. for the design of Southbound Westwood Drive from the Westbank Expressway to Lapalco Blvd. The project entails rehabilitation of existing Westwood Drive, which includes removal and replacement of existing PCCP roadway, installation of additional subsurface drainage and modification of existing subsurface drainage, and installation of new sidewalks, handicapped ramps, and driveways as needed.

(15) France Rd. North Paving & Drainage Improvements, New Orleans, LA

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



(16) Lafitte Greenway, New Orleans, LA

Pivotal completed and delivered to the City of New Orleans Lafitte Green way project in teaming arrangements with Design Workshop and Dana Brown & Associates which consists of approximately 13,000 ft. of bike/pedestrian trail valued at \$6.5 million. The project included more than 5 acres of land in storm water management design and green infrastructure containing bioswale, rain gardens and detention basins, sidewalk and roadway improvements, drainage improvements, and lighting improvements.

Pivotal Engineering staff performed a drainage analysis to calculate 10-year discharge from the identified contributing areas, and incorporated the approved scope of work into the project which included Architectural, Civil, Structural, and Electrical Design.



(17) Bayou Road Streetscape, New Orleans, LA

Pivotal completed and delivered to the City of New Orleans Gentilly Boulevard and Bayou Road Streetscape. The project included landscape, sidewalk and roadway improvements, drainage improvements, and lighting improvements.

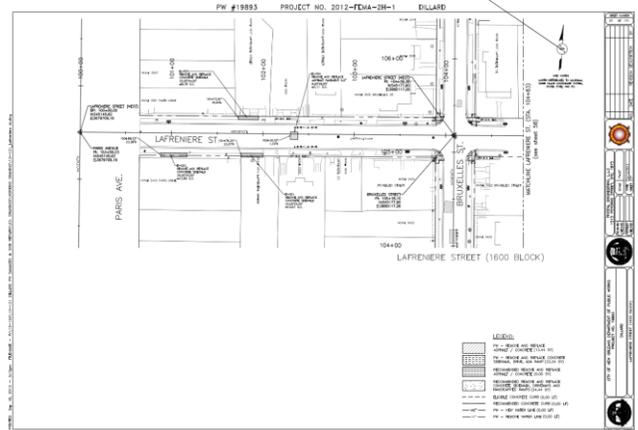


(18) Dillard Neighborhood Streets, New Orleans, LA

Pivotal personnel were retained by the City of New Orleans to provide A/E Design, and Construction Management services for Dillard Neighborhood Design Project.

The project entails the design of proposed roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal

personnel have also been required to provide public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.



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

Pivotal coordinated all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations.

The total project is estimated at 1.5 million dollars.

(19) Napoleon Avenue Box Culvert, New Orleans, LA

Pivotal personnel were retained by the Sewerage & Water Board of New Orleans through Schrenk & Peterson Engineering to coordinate and design the utility relocation plans and specifications.

Pivotal personnel were also responsible for review and approval of required topographical survey of existing site conditions prior to start of design phase.

Pivotal personnel designed new reinforced concrete box culvert along Napoleon Avenue between Constance Street and Carondelet Street in New Orleans, LA, and also designed box culvert crossings at St. Charles Avenue/Napoleon Avenue intersection, which is one of the busiest intersection in the Metropolitan New Orleans area.



Pivotal personnel coordinated all efforts with various private & public utility companies, state & local agencies for the safe and expedient relocation of their existing facilities that conflicted with proposed construction. The project is valued at \$50,000,000.

(20) Morey, Centanni, and Salvadore Street Improvements, Kenner, LA

Pivotal personnel were retained by the City of Kenner Department of Public Works to perform the design and construction supervision for the required improvements of the above captioned street. The project entailed the design of proposed roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal personnel also provided public coordination, agency approvals, oversee contractor compliance, and represent the Owner at various public meetings.

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

The design included a new drainage collection system that will tie into an existing drainage system along an adjacent intersection. This was necessary due to the re-occurrence of street flooding during rain activities in this area.

Pivotal personnel coordinated all efforts with various private & public utility companies, state

& local agencies, as well as civic & community organizations, and responsible for construction management of the overall construction of the above captioned work. The project is valued at \$1,200,000.

(21) Lower 9th Ward, Phase 1 Street and Sub Surface Design Improvements, New Orleans, LA

Pivotal personnel were retained by the City of New Orleans to provide A/E Design, and Construction Management services for the Lower 9th Ward, Phase 1 Street and Sub Surface Design Improvements Project.

The project entails roadway rehabs to 32 blocks in the Lower 9th Ward of New Orleans. Pivotal personnel were responsible for the rehabilitation design of multiple streets to meet the required 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 personnel were responsible for administering the required topographical survey of existing site conditions prior to start of design phase and coordinated all efforts with various private & public utility companies, state & local agencies, as well as civic & community organizations. The project was valued at \$4 million.

(22) Study of Safety Measures for Major East Bank Roadways, Jefferson Parish, LA

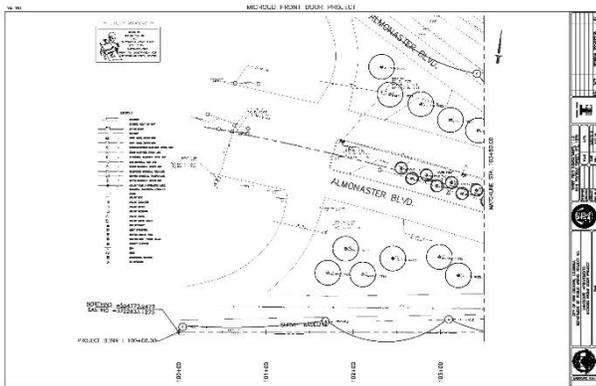
Pivotal Engineering was retained by Jefferson Parish to perform the Study of Safety Measures for Major East Bank Roadways Adjacent to Open Canals. The project entailed a detailed site investigation and documentation of each open canal section bank top width on plans with supporting photographs. Plans also show the recommended improvements as well as the location of accidents for all four segments. Drainage for analysis of the required open canal and box culvert section to accommodate a 10-year

design storm were performed. In addition, as a safety measure, the existing median side edge line striping was suggested to be removed and raised pavement markers be installed for all segments where new guard rails are recommended.



(23) Michoud Front Door Improvements, New Orleans, LA

Pivotal completed and delivered to the City of New Orleans Michoud Front Door Improvements in teaming arrangements with Stuart Consulting Group. The project included landscape, sidewalk, roadway, drainage and lighting improvements.



Experience with Street Lighting

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

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

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

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

Pivotal Engineering was retained by Jefferson Parish to perform a preliminary and final design phase services for design and construction plan preparation of the Jamie Blvd. and W. Tish Dr. Lighting Improvement (US 90 to Cambay Dr.). The major scope of the improvement is installation of new street lighting and retrofit existing street light system. These facilities are increasingly becoming hard to maintain and are also energy in-efficient. The proposed project intends to replace these traditional fixtures with

energy efficient LED lighting. With the energy efficiency measures proposed, it is expected to reduce the energy use in the range of 25-75% and extend the life of the light fixtures anywhere between 3-25 times their traditional counterparts. The general design requirement of work for this improvement includes but is not limited to the following:

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

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

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

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

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

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

- a. The following four W. Metairie Ave. intersections and U-turns are included in the scope.
 - Intersection of W. Metairie Ave. and David Drive
 - Intersection of W. Metairie Ave. and Lynnette Drive
 - Intersection of W. Metairie Ave. and N. Bengal Road
 - U turn on W. Metairie Ave. between N. Lester Ave and N. Howard Ave
- b. Recommended pole spacing 150 to 160 ft
- c. Recommended Dunwoody Aluminum Pole, mounting height 14ft/16ft with 20” base
- d. Recommended 100W LED lighting
- e. Recommended 1 feed points (120 – 240 volt) for each intersection
- f. Recommended Helical street light foundation
- g. Wiring (directional bore conduit), Fixtures, and miscellaneous construction.

- h. Median concrete removal, hydro seed grass, and new sidewalk, new ADA ramp

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

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

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

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

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

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

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

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

- a. Length of project is approximately 18,500 ft (3.5 Mile) on Parish owned roadway
- b. Design based on product of Cypress Lighting Technologies, LLC
- c. Pole spacing staggered at 200ft
- d. Pole shall be installed at minimum 6 feet from the edge of travel lane
- e. Single 8 feet long arm shall be used
- f. Fixture mounting height shall be minimum 25 feet
- g. Fixtures shall be all-in-one solar LED Street light (100W) with a minimum 12V 42Ah Lithium battery
- h. Fixture shall be programmable to operate at 30% (30W) when traveling vehicle is not-detected and 80% (80W) when traveling vehicle is detected

Fixture, solar panel and battery shall be warranted for 5 years.

Experiences with FEMA, HMGP and CDBG Program Projects

(1) Assessments across Orleans Parish, New Orleans, LA

Pivotal was retained by the U.S. Army Corps of Engineers/ Recovery Field to conduct Quality Assurance (QA) for Asbestos Surveys for houses slated for demolition from hurricanes Katrina and Rita. Team conducted over 3000 asbestos (QA) inspections and employed over 40 Louisiana certified asbestos inspectors.

Demolition required proper designation of debris and separation of regulated asbestos containing materials (RACM) and compliance National Emission Standards for Hazardous Air Pollutants. Developed a detailed Quality Assurance Project Plan (QAPP) and Contractor Safety Plan. After each survey, shipped bulk asbestos samples to the state certified laboratory for analysis. Upon receipt of the analytical results, inspectors prepared detailed reports for each structure documenting, the location, prime contractor's compliance the Asbestos NESHAP, summary of results, and proper designation of the structure. To assist in expediting report transmittal, a file transfer protocol (FTP) web site and database was established. Inspectors uploaded batches of report to the FTP site and notified the USACE by email.

Pivotal's staff has conducted similar projects under the FEMA guidelines post Katrina. One of such projects is the overall structural evaluation of the damaged structures throughout Orleans Parish where we had to create a data base to log in each property location with the evaluation report. We also created the inspection report which was approved by FEMA and made final recommendations whether to demolish or repair the property based on cost analysis. We also provided similar assessments for all of the NORD parks lightings throughout the City and made repair recommendations, cost estimates and final design documents that were approved by FEMA.

(3) St. John Parish Planning and Zoning Building Environmental and Damage Assessment (Isaac), St. John Parish, LA

Pivotal's personnel provided an Asbestos/Mold inspection and damage assessment of the St. John Parish Planning and Zoning Building immediately after Hurricane Isaac. Pivotal's personnel were deployed within 24-hours of request by the Administration to assess storm damage and provide recommendations for re-occupancy. Pivotal's personnel conducted the physical inspection on 9/3/12 and submitted the final report 9/5/12. Pivotal personnel's commitment to the Parish and its employees allowed for timely occupation of the building.



(3) St. John Parish Minor Housing Repair Program (Gustav/Ike), St. John Parish, LA

Pivotal's personnel provided Project Management and Inspection services for repairs to residential properties throughout St. John Parish. Pivotal personnel deployed 6 inspectors (including 3 LDEQ Asbestos/Lead Inspectors) to conduct inspections on both the east and west bank of St. John Parish. Pivotal's personnel worked closely with the Grants Manager to modify the existing program. A review of the program's policies reflected charges by the program's contractors would exceed both the local and national averages for labor as shown by our RSMeans software. Pivotal's personnel proposed the implementation

of a system of competitive bidding between the contractors. The new system proved valuable. It allowed the Parish to be billed at fair-market rates resulting in the inclusion of more applicants and better allocation of funding. Pivotal's Project Manager provided real-time cost tracking as construction on properties commenced. Every week, the Grants Manager was provided a "Status Listing" which showed the status of each property inspected and under construction. This listing included the Applicant's Information, Program Eligibility, Project Manager's Opinion of Cost, Construction Cost and Inspection Notes. The listing also showed the program's overall funding available, budget projections and average construction cost of each property. These figures allowed the Grants Manager to be well aware of the program's standing upon request from the Parish President, Chief Administrative Officer and Council Members.



(4) Mimosa Park Elementary School Improvements and Inspections, St. Charles Parish, LA

Pivotal's personnel successfully scoped, designed, and managed the construction of a new 280 ton chilled-water 4-pipe HVAC system and electrical power distribution system for the existing 50,000 square foot campus. In the long term, the new system designed will provide a cost savings to the St. Charles School Board of approximately \$10,000 - \$15,000 per year. Pivotal personnel were also responsible for providing staff to

conduct baseline, daily, and clearance asbestos air monitoring during the removal of asbestos piping.

(5) St. Charles Parish School Board Transportation Facility, St. Charles Parish, LA

St. Charles Parish School Board's East Bank school bus maintenance facility was 50% over capacity of the existing facility, resulting in delays in service and maintenance and making training difficult. Pivotal was retained to develop the conceptual design for an expanded facility. The improved facility will provide additional service bays, parts storage, new training/meeting room, driver lockers, and offices for dispatch, maintenance and accounting. More efficient electrical and mechanical systems will be incorporated into the new facility. The design will also include new fueling facilities and expanded parking areas, as well as a state of the art bus wash station.

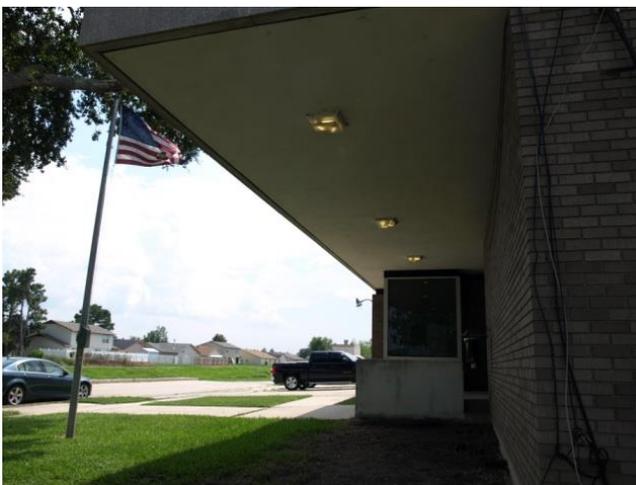
(6) City of New Orleans Mosquito Control Hangar Facility Hurricane Katrina Repairs and Renovations, New Orleans, LA

Pivotal's personnel provided a Comprehensive Damage Report to be reviewed by FEMA and the City of New Orleans for repairs or replacement of the existing facility. This report was critical in substantiating the City of New Orleans' claim for additional funding to repair the facility. Pivotal personnel included in the design an elevated chemical storage, V-Zone structural enhancements, and MEP upgrades. The end result of our diligent work allowed for a building to withstand wind load of up to 135 mph.



(7) City of New Orleans Fire Engine# 10 Hurricane Katrina Repairs and Renovations, New Orleans, LA

Pivotal personnel's persistence in providing supplemental documentation to FEMA as it related to required building code issues, health and safety issues, and usability of the facility justified the development of four additional revisions to the FEMA PW for this facility. Pivotal personnel were able to successfully substantiate the inclusion of approximately \$220,000 of additional work funded by FEMA.



This work included a new backup generator, new lighting fixtures, new plumbing fixtures, and new air handling units.

(8) FEMA HMGP Elevation Program, Washington Parish, LA

Pivotal Engineering is providing Project Management and Inspection services for repairs to residential properties throughout Washington Parish under the grant from FEMA HMGP elevation program.

- a. Pivotal provide current Flood Elevation Certificate for each property. Coordinate with each homeowner as needed for access.
- b. Pivotal reviewed each FEL to determine the minimum lift required to meet the current BFE plus allowable freeboard.
- c. Pivotal coordinated with each homeowner a date/time to inspect the property. This inspection shall determine the feasibility of the lift, elevation type, site suitability and structural deficiencies that may impose on the lift.
- d. Pivotal utilized data collected from the site inspection to produce the final design detailing the required scope of work for each property and a proposed cost of construction. The scope of work includes structural improvements needed for a successful lift.
- e. Pivotal provided bid packages for each property based on information contained within the inspection report. Pivotal notified pre-qualified contractors from the Parish's pool via email.
- f. Pivotal assisted the Parish in the collection and tally of bids at final submission and provide a written recommendation of award upon review
- g. Pivotal conducted two (2) milestone inspections; 50% and 100% construction completion, during the course of construction. Each milestone inspection report will be accompanied by a report and progress photos. The reports also identified any construction related issues, proposed change orders and homeowner concerns.
- h. Upon substantial completion, punch list inspections is conducted on an as-needed

basis and reported on the 100% construction inspection report.

Experiences with Grant Application projects

Pivotal Engineering team includes senior engineers and administrators with extensive experience preparing grant writing proposals. Pivotal is routinely retained by Fortune 500 companies and government agencies to prepare proposals for various funding sources. The following is a brief summary of the team's experience.

(1) Louisiana Department of Natural Resources Revolving Loan Fund Application for the Causeway Boulevard (Veterans Overpass to 6th Street) Street Lighting Improvement project; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish to complete the Louisiana Department of Natural Resources Revolving Loan Fund Application for the Causeway Boulevard (Veterans Overpass to 6th Street) Street Lighting Improvement project.

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

- i. Length of project is approximately 4,800 ft (0.9 Mile) on parish owned roadway.
- j. Remove and replace existing street lights (see attached map for approx. locations)
- k. Recommended pole spacing 150 to 160 ft
- l. Recommended mounting height max. 40ft (recommended pole height 35 ft)
- m. Recommended LED lighting

- n. Recommended 3 to 4 feed points (120 – 240 volt)
- o. Recommended Helical street light foundation
- p. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction
- q. Supplemental Services: surveying

(2) the Louisiana Department of Natural Resources Revolving Loan Fund Application for the Green Acres Rd. Street (W. Metairie Ave. to Airline Dr) Lighting Improvement project; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish to complete the Louisiana Department of Natural Resources Revolving Loan Fund Application for the Green Acres Rd. Street (W. Metairie Ave. to Airline Dr) Lighting Improvement project.

Scope consisted of providing preliminary and final design phase services for design and construction plan preparation of the Green Acres Rd. Street Lighting Improvement (W. Metairie Ave. to Airline Dr.). The major scope of the improvement is installation of street lighting system. The general design requirement of work for this improvement includes but is not limited to the following:

1. Length of project is approximately 2,700 ft (0.51 Mile) on parish owned roadway.
2. Recommended pole spacing 150 to 160 ft
3. Recommended mounting height 16ft
4. Recommended LED lighting
5. Recommended 2 feed points (120 – 240 volt)
6. Recommended Helical street light foundation
7. Wiring (directional bore conduit), E-boxes, Fixtures, and miscellaneous construction
8. Supplemental Services: surveying and Geotechnical investigation

(3) Louisiana Department of Natural Resources Revolving Loan Fund Application for the Metairie Rd. Street (Bonnabel Blvd. to Orpheum Ave) Lighting Improvement project; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish to complete the Louisiana Department of Natural Resources Revolving Loan Fund Application for the Metairie Rd. Street (Bonnabel Blvd. to Orpheum Ave) Lighting Improvement project.

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

1. Length of project is approximately 8,500 ft (1.6 Mile) on parish owned back of curb to property line right of way.
2. Removal of existing metal pole street lights.
3. Recommended pole spacing 150 to 160 ft
4. Recommended Dunwoody Aluminum Pole, mounting height 14ft/16ft with 20” base
5. Recommended 100W LED lighting
6. Recommended feed points (120 – 240 volt)
7. Recommended Helical street light foundation
8. Wiring (directional bore conduit), Fixtures, and miscellaneous construction
9. Requires Arborist service, tree protection, root pruning and trenching as necessary
10. Supplemental Services: surveying

(4) Louisiana Department of Natural Resources Revolving Loan Fund Application for the W. Metairie Ave. U-Turns Street (Roosevelt Blvd. to David Dr.) Lighting Improvement project; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish to complete the Louisiana Department of Natural Resources Revolving Loan Fund Application for the W. Metairie Ave. U-Turns Street (Roosevelt Blvd. to David Dr.) Lighting Improvement project.

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

1. Recommended pole spacing 150 to 160 ft
2. Recommended Dunwoody Aluminum Pole, mounting height 14ft/16ft with 20” base
3. Recommended 100W LED lighting
4. Recommended 1 feed points (120 – 240 volt) for each intersection
5. Recommended Helical street light foundation
6. Wiring (directional bore conduit), Fixtures, and miscellaneous construction
7. Median concrete removal, hydro seed grass, and new sidewalk, new ADA ramp
8. Supplemental Services: Development of Plan Sheets from Aerials and JP utility sheets in lieu of Survey

The following four W. Metairie Ave. intersections and U-turns are included in the scope.

- Intersection of W. Metairie Ave. and David Drive
- Intersection of W. Metairie Ave. and Lynnette Drive

- Intersection of W. Metairie Ave. and N. Bengal Road

U turn on W. Metairie Ave. between N. Lester Ave and N. Howard Ave

(5) Louisiana Department of Natural Resources Revolving Loan Fund Application for the Extension of Cousins Boulevard (Woodmere Boulevard to Lapalco Boulevard) project; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish to complete the Louisiana Department of Natural Resources Revolving Loan Fund Application for the Extension of Cousins Boulevard (Woodmere Boulevard to Lapalco Boulevard) project.

(6) Louisiana Department of Natural Resources (LDNR) grant loan application; Ascension Parish, LA

Pivotal is retained by Ascension Parish to assist the parish with a professional service to fill and apply the Louisiana Department of Natural Resources (LDNR) grant loan application for the following projects:

1. Butch Gore Memorial Park (6 fields) – Estimated project cost \$385,000
2. Darrow Community Center Playground and Park (1 field) - Estimated project cost \$165,000.
3. Leo Stevens Park and Playground (7 Field) – Estimated project cost \$460,000
4. Jackie Robinson Park (1 Field) - Estimated project cost \$195,000
5. Modeste Park and Playground (1 Field) - Estimated project cost \$165,000

(7) Louisiana Department of Natural Resources (LDNR) grant loan application; Ascension Parish, LA

Pivotal is retained by Ascension Parish to assist the parish with a professional service to fill and apply the Louisiana Department of Natural Resources (LDNR) grant loan application for the following projects:

1. Paul Park and Playground (5 Fields) - Estimated project cost \$360,000
2. Prairieville Park and Playground (1 Field) - Estimated project cost \$215,000
3. St. Amant Recreation Park (3 Fields) - Estimated project cost \$485,000
4. South Louisiana Fairgrounds (LaLa) (4 Fields) - Estimated project cost \$430,000
5. Southwest Park and Playground (1 Field) - Estimated project cost \$165,000

(8) LDEQ WWTP Loan Application; Kenner, LA

Pivotal was retained by The City of Kenner to complete the LDEQ Loan Application for five priority collection system projects. The lift stations will be completely rehabilitated with new pumps, panels, valves/fittings, wetwell coating etc.

(9) LDNR Energy Efficiency Application for the Causeway & Green Acres Street Lighting Project; Jefferson Parish, LA

Pivotal was retained by Jefferson Parish to complete the LDNR Energy Efficiency Application for the Causeway & Green Acres Street Lighting Project.

The proposed project includes installation of energy efficient LED lighting, associated electrical and professional services on Causeway (between Veterans Overpass to 6th St); Green Acres (Airline to W. Metairie). The foot print of the project is 10000 linear feet by 3 feet along crucial thoroughfare on Causeway Blvd and Green Acres impacting school and major local businesses. It is expected that installation of

energy efficient lighting will reduce the energy consumption and associated emission of greenhouse gas (GHG) emission. Green Acres currently has no lightings and the Parish intends to install energy efficient lightings on this street which also provides access to St. Martin's Episcopal School. Installation of energy efficient lighting will typically save 50% on energy bills than conventional lighting and also lower the maintenance cost.

(10) Environmental Protection Agency Gulf of Mexico Program Cooperative Agreements 2018 Grant Application for the Bayou Pattasat and Fritchie Marsh Improvements projects; Slidell, LA

Pivotal was retained by The City of Slidell to complete the Environmental Protection Agency Gulf of Mexico Program Cooperative Agreements 2018 Grant Application for the Bayou Pattasat and Fritchie Marsh Improvements projects.

The scope for the projects consisted of the following:

Bayou Pattasat:

To widen and deepen the existing Bayou Pattasat to allow for more conveyance and storage within the bayou.

Fritchie Marsh:

The construction of an approximately 12,000 foot long force main effluent pipeline along the general route of the W-14 canal from the Terrace Avenue WWTP. The effluent pump station at the Terrace Avenue WWTP would be improved to meet the required hydraulic conditions dictated by the new effluent pipeline.

Section 4: 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 of dollars.

Point-of-Contact:

The detailed resume of each staff is included in the Appendix-A. We ask that you note the resumes of key staff specialized experience under each category included herein.

Avinash Mehta, PE Principal- In Charge

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 Management:

Yoseph Shifare, PE, PTOE Project Director/ Senior 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

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.

Darius Cook Construction Administrator

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 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.

Technical Support:

Bassam Rossi Mekari, PE Project Manager – Electrical

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.

John “Johnny” A. Mekari, P.E. Senior Electrical Engineer

Education

B.S. Electrical Engineering, 1987

Professional Associations

Louisiana, Electrical Engineering, 25415

Mississippi, Electrical Engineering, 14670

Texas, Electrical Engineering, 87303

Experience

Mr. Mekari serves as the Senior Electrical Engineer of Pivotal Engineering. He has 26 years Electrical Systems Design & Installations Mr. Mekari serves as the Vice President of Pivotal Engineering for the Baton Rouge Operations. He has developed extensive experiences in designing and installing Electrical Distribution Systems and Control Systems for industrial, commercial and municipal facilities. The footprint of the projects designed by Mr. John Mekari extends to local, national and international levels.

Irish Jones Electrical Designer/Contractor

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.

James Amodeo, PE 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.

Tarek Elnaggar, P.E. Civil/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 Environmental Engineer for the company. His experience

includes design and construction management for civil and environmental projects, which include 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.

Ignatious Mutoti, PE Quality Assurance/ Control

Education

PhD, Environmental Engineering, 2003

M.S. Environmental Engineering, 1998

B.S. Applied Chemistry and Chemical Technology, 1993

Professional Associations

Civil/ Environmental Engineering, Virginia, PE
040204016

Experience

Dr. Mutoti has over 23 years of experience in the field of water and wastewater and has held various positions in the public, academic and private consulting sectors. In the past, Dr. Mutoti has held positions as Chemist and Water/Wastewater Laboratory manager, municipal Water/Wastewater Process Engineer responsible for treatment process optimization and troubleshooting for facilities up to 162 MGD. He has taught both undergraduate and graduate level water and wastewater engineering courses as a professor and has been involved in higher level research projects. Dr. Mutoti has authored and co-authored several journal and newsletter articles and presented at various conferences. He has many years of consulting engineering experience design and operating water and wastewater facilities. In addition, Dr. Mutoti is a certified d water and wastewater plant operator, hydraulic & water quality modeler.

Data Analysis & QA/QC:

Bryan Smith, PE
Data Analyst and QA/QC

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, environmental sampling, large-scale disaster recovery, data collection, data management, quality assurance/quality control, data validation, construction cost estimation and Phase I, II, III environmental site assessments. He will serve as the lead data analyst and QA/QC officer.

Sundiata Marcelin, PE
Civil Engineer

Education

BS, Civil Engineering

Professional Associations

LA PE # 38589

Experience

Mr. Marcelin serves as a project civil engineer at Pivotal Engineering. He has over 10 years of experience in civil and structural engineering as well as construction management. Mr. Marcelin is also experienced with FEA Analysis and Structural Analysis, Hazard Mitigation Design & Residential and Commercial Design & Permitting. He has extensive experience with data collection and management. He will serve as a data analyst and QA/QC officer for this project.

Inspectors:

Kepal Patel, EI
Electrical Designer

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. For this project, he will serve as an asset inspector.

Eliot Guerin, EI
Civil Designer

Education

B.S. / 2018 / Civil Engineering

Professional Associations

2018 E.I./Civil Engineering

Experience

Mr. Guerin is a civil designer with two (2) years 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. 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. For this project, he will serve as an asset inspector.

Courtland Parr **Project Engineer**

Education

Bachelors of Science in Petroleum Engineering /
2019

Experience

Mr. Parr serves as a project engineer at Pivotal Engineering. His experience includes preparing groundwater reports, sampling, and reporting. His experience also includes working in AUTOCAD produce relevant concentration isopleth maps for different parameters. For this project, he will serve as an asset inspector.

John G. Scott Sr. **Data Collection/Inspector**

Education

Mississippi State University Certification for Lead Inspector/2012

Professional Associations

U.S. Army Corps of Engineers Certification for Construction Quality Management

Experience

Mr. Scott has the ability to read and interpret construction documents such as plans, specifications, submittals, and RFI's have enable me to work on a daily basis with project engineers, construction managers, general contractors, and sub-contractors as lead quality assurance inspector on federal, state government, public works, and commercial projects. His knowledge of construction inspection and quality control includes asphalt paving, compaction testing, concrete (foundations, roadway, sidewalk), backfilling, equipment inspection, grading, reinforcing steel inspection, site work preparation (clearing and grubbing), and utilities installation (drainage, sewer and water). For this project, he will serve as an asset inspector.

Stephen G. Bobeck **Data Collection/Inspector**

Education

Diploma, Pope John Paul II High School

Professional Associations

NJSAT – Asphalt Paving Construction Technologist

Experience

Mr. Bobeck has fifteen years of experience as a construction inspector for various projects that include cast- in-place structural concrete for bridge and building structures and numerous heavy asphalt paving jobs. As Field Technician Manager, Mr. Bobeck has overseen the installation and testing of various driven pile foundations including timber-concrete composite and precast pre-stressed concrete piles. For this project, he will serve as an asset inspector.

Grady Geiger, Jr. **Data Collection/Inspector**

Education

Tulane University, Civil Engineering Program

Professional Associations

U.S. Army Corps of Engineers

Experience

Mr. Geiger has forty-seven years (47) of Construction Inspection Experience. William Grady Geiger, Jr. was employed by U.S. Army Corps of Engineers as a Senior Civil Engineering Technician for 35 years. He achieved GS-11 level. While there he performed government estimates of project components in electrical, architectural and various other engineering disciplines. For this project, he will serve as an asset inspector.

Gerard Kelly
Data Collection/Inspector

Education

Delgado College – New Orleans, LA
Associates Degree Civil Engineering

Experience

Mr. Kelly has more than 30 years of experience in the construction in industry as inspector for projects with installation and repair of underground utilities in and around the New Orleans area with emphasis on: Sewer, sewer force mains, water mains, drainage, electrical conduit and related structures, Asphalt, concrete roadways and related bases, Dirt work, Cast in place bridges and precast bridges, Deep work ie: lift stations, pipe and structures. He also has experience in Estimating, submitting proposals, monthly estimates, purchasing, change orders, quantity verifications, and cost control reporting and Field QC management. For this project, he will serve as an asset inspector.

Debra Jacques Wilson
Data Collection/Inspector

Education

High School Diploma, Picayune Memorial High School

Professional Associations

None

Experience

Ms. Wilson has more than twenty (20) years of experience with FEMA cost estimation, inspection and grant management. She brings a wealth of knowledge in methods and implementation of large-scale inspection projects. She has a proven track record for delivering high-quality products on time and under budget. She has extensive experience with FEMA cost estimation software. For this project, she will serve as an asset inspector.

Lara Hermes
Data Collection/Inspector

Education

B.S. from University of Houston

Professional Associations

None

Experience

Ms. Hermes has over fifteen (15) years of experience in the areas of disaster recovery and facility assessments. She played a strong role in FEMA inspections, post-Hurricane Katrina. From there, her experience in the disaster recovery/damage assessment industry has strengthened through continual, progressive work experience. She has served on large projects as the lead disaster damage assessor. For this project, she will serve as an asset inspector.

Matthew Dorris
Data Collection/Inspector

Education

High School Diploma

Professional Associations

None

Experience

Mr. Dorris has over eight (8) years of experience in disaster recovery, property assessment and construction management. He brings years of experience in environmental remediation, disaster recovery and facilities assessment.

Josef Franklin Pietraszuk
Data Collection/Inspector

Education

Bachelors of Fine Arts

Experience

Mr. Pietraszuk has over twenty (20) years of experience in the areas of construction management, disaster recovery, site inspection (including reporting and photographic

documentation) and FEMA requirements. He has worked extensively with FEMA for disaster recovery efforts and grant management work. He has provided inspection services for large-scale damage assessment programs. For this project, he will serve as an asset inspector.

Section 5: Approach to Agency Coordination and Quality Assurance/ Quality Control Plan

5.1 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 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
- II. Khalid L. Saleh, Ph.D, Senior Design Engineer, City Of New Orleans DPW, (504) 658-8208
- III. Neil Schneider, CCM, P.E. Director of Capital Projects, Jefferson Parish Department of Capital Projects (504) 736-6833
- IV. Mike Lockwood, Director of Sewerage, Jefferson Parish Department of Sewer (504) 736-6661
- V. Mitchell Theriot, P.E. Director of Drainage, Jefferson Parish Department of Drainage (504) 736-6753
- VI. Mark Drewes, PE; Director of Public Works, Jefferson parish, Department of Public Works, (504) 736-6783
- VII. Angela DeSoto, PE; Director of Engineering; Jefferson Parish, Department of Engineering, (504) 736-6500
- VIII. Myra Alexis-Valentine, Grants Administer, St. John Parish, (985) 652-9569

Architectural and Engineering Services are also 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. As described above on Section 3, Pivotal past performance satisfies the required criteria.

5.2 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 Forrest County Agricultural High School District 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.

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 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 in Engineering Staff Augmentation and reinforce Forrest County Agricultural High School District to evaluate the projects' design and ensuring compliance with all applicable design guidelines and specifications. 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.

Personnel assigned to this project have an extensive experience in street reconstruction projects, landscaping, widened sidewalks, walkway improvements, handicapped ramp design, curb and gutter improvements, bridge assessment and design, park and green spaces design, lightening enhancement, and all other related projects. Extensive design experience and a full range of technical and engineering capabilities reinforce the team to successfully complete any related projects as needed by Forrest County Agricultural High School District. Pivotal has the capability to be in charge of all phases of the referenced projects from the beginning (pre-bid conferences) to delivery of the finished work.

The Team will prepare and submit all the required documents conforming with the City's format, content, and comments. All the drawings and electronic files will be delivered in a format

compatible with the City's CAD and software system requirement and have signature and stamp associated with Louisiana registered Civil Engineer.

Furthermore, the Team has a comprehensive knowledge in drainage asset cleaning, CCTV, sewer and storm-water pipes repair and rehabilitation, water-flow design, and survey. Any modifications, improvements, renewal and repair of the infrastructures can be fulfilled by Pivotal with great precision.

Team's Ability to Meet Schedules and Deadlines:

The Team has the required technical personnel to assure Forrest County Agricultural High School District 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. 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 Team has worked closely with Forrest County Agricultural High School District 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 making this process as extensive as possible will help with community buy-in for green infrastructure implementation and make the implementation of regulations for the betterment of the environment. 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.

The Greater New Orleans (GNO) area is a wonderfully unique and diverse region. Not many places on the earth have this blend of conditions of topography, soil, rainfall, native vegetation and engineering stormwater management system. As the GNO area moves into the era of resiliency, special attention must be given to the approaches and guiding values of the solutions. Pivotal has completed many projects, within Orleans Parish, that have allowed adequate time for thorough and extensive investigation of the regional conditions. From roadway projects to environmental remediation activities, Pivotal has investigated the region through all environmental media (soil, water and air) as well as built infrastructure (water/wastewater plants, pump/lift stations, roadways, drainage, etc.). Pivotal is committed to pushing the agenda of stormwater management through technical and social consideration for local conditions, community engagement and longevity. Pivotal understands that solutions should build upon existing knowledge and industry standards not yet adopted in the parish as well as innovative ideas and approaches. The future is bright for Orleans Parish and Pivotal desires to remain a “pivotal” component to the development of our future infrastructure.

5.3 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 Forrest County Agricultural High School District 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.

The 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.
- e. 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.
- f. 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.

Section 6: Team's Current Workload

The team has the needed technical personnel to assure Forrest County Agricultural High School District 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. The Team has the manpower, equipment, and expertise to execute any given project within a reasonable time frame.

Pivotal Engineering is comprised of engineers, managers, designers, data analysts, inspectors and administrators with a collective reputation of project delivery both on time and within budget. Our 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. Further, the integrated team will provide a direct line of communication internally and to anyone who is a representative of Forrest County Agricultural High School District to the assigned Pivotal 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 and with this have seen huge success as it relates to our client's reliance on us as their consultant of choice.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Avinash Mehta, PE	13. ROLE IN THIS CONTRACT PRINCIPAL IN CHARGE	14. YEARS EXPERIENCE	
		a. TOTAL 16	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

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

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

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Louisiana PE #35100 Civil

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Mehta serves as the Principal of Pivotal Engineering. Mr. Mehta has over 16 years of experience managing Civil and Environmental Engineering projects including project budget, schedule and scope, coordination of resources, business development and client liaison activities. His experience includes the street design, pocket park improvements, roadway enhancements, drainage studies, process and design, water and wastewater master planning, drainage design permitting, wastewater system design, potable water system design and conceptual planning and design for coastal restoration projects.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> RR016 BW Cooper Gert Town Dixon Group C New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Mehta serves as the Principal in Charge for this project. The project entails roadway rehabs 9 blocks (3245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for project budget, schedule and scope, coordination of resources, business development and client liaison activities required for a successful completion of the project.			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> RR017 BW Cooper Gert Town Dixon Group D New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Mehta serves as the Principal in Charge for this 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.			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> RR018 BW Cooper Gert Town Dixon Group E New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Mehta serves as the Principal in Charge for this project. The project entails roadway rehabs to 15 blocks (6.075 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.			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> RR019 BW Cooper Gert Town Dixon Group F New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Mehta serves as the Principal in Charge for this project. The project entails roadway rehabs to 6 blocks (2,100 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.			
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Wright Road Improvements New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
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 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.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Yoseph Shifare, PE, PTOE	13. ROLE IN THIS CONTRACT Project Director / Sr. Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

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

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

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

2018 / Civil Engineering / Louisiana PE # 42747

2021 / Professional Traffic Operational Engineer (PTOE)

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

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 project director he designs, leads and manages the day-to-day efforts of engineers and inspectors 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.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	RR016 BW Cooper Gert Town Dixon Group C New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Shifare serves as the Project Director & Civil Engineer for this project. The project entails roadway rehabs 9 blocks (3245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing and overseeing of horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
b.	RR017 BW Cooper Gert Town Dixon Group D New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Shifare serves as the Project Director & Civil Engineer for this 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 designing and overseeing of horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
c.	RR018 BW Cooper Gert Town Dixon Group E New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Shifare serves as the Project Director & Civil Engineer for this project. The project entails roadway rehabs to 15 blocks (6.075 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing and overseeing of horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
d.	RR019 BW Cooper Gert Town Dixon Group F New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Shifare serves as the Project Director & Civil Engineer for this project. The project entails roadway rehabs to 6 blocks (2,100 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing and overseeing of horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
e.	Wright Road Improvements		
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

New Orleans, LA

Ongoing

N/A

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

The project includes removing the existing street, drainage and sewer structures and designing new alignment and profile, drainage and sewer structures. For this project, Mr. Shifare analyzed the drainage area for 10 years storm and designed drainage improvements; designed the Side streets profile so as to join with the existing side street's profile; designed the pavement marking and signage. Further calculated capital cost estimate of the project and prepared Construction document.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Darius Cook	13. ROLE IN THIS CONTRACT Construction Manager	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S.-in progress, Civil & Environmental Engineering, University Of New Orleans	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> LA – Asbestos Inspector LA – Asbestos Contractor/Supervisor LA – Lead Inspector
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Cook has 14 years of experience in Project Management of Architectural/Engineering Design and Environmental Inspection and Remediation projects. His experience includes management of minor residential repair projects to new construction utilizing CDBG and FEMA funding. Mr. Cook will serve as the Project Manager for the project. Mr. Cook will be responsible for project coordination, staffing, allocation of resources, meeting coordination and client liaison activities. Mr. Cook will also oversee the cost-estimating, safety training and implementation, and resolve on-site issues that may arise.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> St. John Parish Hurricane Isaac CDBG Housing Rehabilitation Program (St. John Parish, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Cook serves as the Construction Manager for the rehabilitation and reconstruction of more than 900 properties damaged by Hurricane Isaac. Mr. Cook is responsible for coordination of all property inspections, coordination of surveys for Flood Elevation Certificates, code compliance reviews, scope of work development and reviews, development of cost estimates and coordination of construction milestone inspections. Mr. Cook is also responsible for ensuring each property’s environmental issues are addressed. The project is valued at \$700 thousand.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> St. John Parish Minor Housing Repair Program (Hurricanes Gustav/Ike) (St. John Parish, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Cook served as the Construction Manager for the rehabilitation and reconstruction of approximately 70 properties damaged by Hurricanes Gustav and Ike. Mr. Cook was responsible for coordination of all property inspections, scope of work development and reviews, development of cost estimates and coordination of construction milestone inspections. Mr. Cook is also responsible for ensuring each property’s environmental issues are addressed. The project is valued at \$80 thousand.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Ramsey St. Improvements (New Orleans, Louisiana)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2004	CONSTRUCTION (If applicable) 2006
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Cook served as the Construction Manager for the reconstruction of Ramsey Street on the West Bank of New Orleans. Mr. Cook was responsible for oversight of all construction activities, management of construction inspection personnel, review of daily activities reports, review of daily, weekly and monthly quantities for the job cost tracking; meeting with contractor and owner’s representatives to discuss job progress, concerns, and project milestone dates and contract time and scope; interacting with the client to make sure all concerns and needs are addressed.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Wright Rd. Improvements (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Cook serves as the Construction Manager and provided inspection services for the Wright Road Improvements project.		

(1) TITLE AND LOCATION <i>(City and State)</i> Patriot Lift Station – Resident Inspections (Jefferson Parish, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Mr. Cook serves as the Construction Manager for the Patriot Lift Station - . Mr. Cook was responsible for oversight of the construction, review of all Change Order Requests, review of Field Inspector and Contractor reports, administration of construction progress meetings, and review of construction progress schedules. and coordination of the construction inspection. Mr. Cook was also responsible for interacting with the client to make sure all concerns and needs are addressed. The project was valued at 800,000 thousand.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Bryan B. Smith, PE	13. ROLE IN THIS CONTRACT ENVIRONMENTAL ENGINEER	14. YEARS EXPERIENCE	
		a. TOTAL 10+	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

BS / 2011 / Environmental Engineering
MS / 2014 / Civil and Environmental Engineering

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Louisiana PE #43843 Environmental

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Smith serves as a Senior Environmental Engineer for Pivotal Engineering. Mr. Smith has more than 10 years of experience in the analysis, design and project construction management for various civil and environmental 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, data collection/management/validation, project management, GIS, environmental permitting, environmental sampling methodologies, flow rate testing and laboratory analytical methods.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Plum Orchard-West Lake Forest Group B (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Smith was responsible for roadway reconstruction of Plum orchard and West Lake Forest Neighborhood. Mr. Smith designed and managed a FEMA roadway design project. Mr. Smith also performed site visit to determine additional damage to roads, sidewalks and handicap ramps for these two (2) neighborhoods.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Parish Wide Ambient Air Assessment (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm To address unknown odor sources across Jefferson Parish, Mr. Smith designed a parish wide ambient air monitoring system. Mr. Smith developed a database of resident complaints that included over a thousand individual resident complaints. He was able to perform both statistical analysis and GIS mapping on this dataset to determine the best locations for air quality monitoring stations.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Coal Ash Disposal Landfill (West Lake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Smith served as a key member of the design / construction management team during the design and construction of a Type I Industrial Landfill in Waste Lake, Louisiana.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Sewer Pump Station Testing (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) 2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Smith was responsible for test flow rates of sewage pumps using an ultrasonic doppler flow meter. He managed large datasets of technical pump data and performed data validation for QA/QC purposes.		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Ground Water Monitoring Reports for Six Locations throughout Louisiana (New Orleans/Baton Rouge/Westlake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Smith is the lead quality assurance officer in charge of technical review for ground water monitoring reports for six (6) sites across Louisiana. Each site is either an LDEQ-permitted surface impoundment or landfill. Both statistical analysis and/or data validation are performed for each facility on a semi-annual basis. All sites are in compliance with LDEQ.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Bassam Rossi Mekari, PE	13. ROLE IN THIS CONTRACT PROJECT MANAGER/ SR. ELECTRICAL ENGINEER	14. YEARS EXPERIENCE	
		a. TOTAL 25+	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS, Electrical Engineering, Louisiana State University 1987 MS in Electrical Engineering - 3 hours remaining	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Louisiana PE #31801 Electrical
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Mekari serves as the principal of Pivotal Engineering and the Engineering Manager in charge of all of the electrical engineering projects. He has over 25 years of experience in designing and installing Electrical Distribution Systems for commercial and industrial facilities, lift stations, Schools, Justice Centers, Police Stations, PLC automations, 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 plant electrical system evaluation and improvements.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Wright Road Improvements (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Mekari served as the Electrical Engineer for street lighting improvements for Wright Road Improvements. Mr. Mekari was responsible for the design of street lighting system coordination, oversight of all engineering and design tasks, and construction management for this project.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Napoleon Avenue Covered Canal (New Orleans, Louisiana)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Mekari serves as the Project Administrator for the utilities location and relocation for the Napoleon Avenue Box Culvert installation. The project entails the Carondelet Street to Constance Street segment which includes 2,800 linear feet of concrete culvert installation, water line replacement, and incidental roadway, street lighting, sidewalk and curb design. Mr. Mekari is tasked with, contract administration, deliverables and administration of meeting between Pivotal and the Prime Consultant.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Joe W. Brown Memorial Recreational Center (New Orleans, Louisiana)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Mekari served as the Electrical Engineer of record for the repairs and improvements to the Joe Brown Memorial Recreational Center Gymnasiums. The project included redesign of the 4,400 square foot practice gymnasium and the 9,200 square foot main gymnasium. Mr. Mekari was responsible for design of a new, more efficient power distribution system and new lighting system for both facilities. Mr. Mekari also reviewed FEMA PWs to ensure overlooked storm-related and hazard mitigation items were included in the scope of work. This project also included funding from NIKE and New Orleans Saints Quarterback Drew Brees. The project construction cost is 5 million.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> CC-1 Lift Station Upgrade: St Charles Parish DPW (Luling, Louisiana)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Mekari served as the project main Electrical Engineer of record and the Chief Engineer for the upgrades and improvements of the lift station. The overall scope consisted of a major upgrade and overhaul of the existing pump station. Some of his responsibilities involved increasing the pumping capacity of the station from 2580 gpm to 4000 gpm (55% pumping capacity increase). Some of the		

main work scope involved the demolition of the entire existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Mr. Mekari performed a cost analysis breakdown between Soft Start and VFDs and client chose the first option due to budget constraints. Moreover, Mr. Mekari updated the SCADA controls, added new PLC and tied the controls to the department Telemetry system.

(1) TITLE AND LOCATION <i>(City and State)</i> Lafitte Greenway Improvements (New Orleans, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) N/A

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm

Mr. Mekari served as the Electrical Engineer of record for electrical design of Lafitte Greenway Project. The design included a design of electrical systems for pedestrian lighting including connection point on existing Entergy poles, underground interconnecting wiring, in ground J-box with water proof electrical connection, installation of new poles and light fixtures and finally preparation of specification.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME John "Johnny" A. Mekari, PE	13. ROLE IN THIS CONTRACT SENIOR ELECTRICAL ENGINEER	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

B.S. Electrical Engineer, 1987

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Louisiana/Electrical Engineering/25415

Mississippi /Electrical Engineering/14670

Texas/Electrical Engineering/87303

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Mekari serves as the Senior Electrical Engineer of Pivotal Engineering. He has 26 years Electrical Systems Design & Installations. Mr. Mekari serves as the Vice President of Pivotal Engineering for the Baton Rouge Operations. He has developed extensive experiences in designing and installing Electrical Distribution Systems and Control Systems for industrial, commercial and municipal facilities. The footprint of the projects designed by Mr. Mekari extends to local, national and international levels.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Veolia West Bank Wastewater Treatment Plant – S&WB (Jefferson Parish, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Mr. Mekari serves as the Electrical Engineer for the Veolia West Bank Wastewater Treatment Plant. The scope of work is to install a new ATS at the plant's main 4160V electrical feed to prove switching between the main Entergy utility feed and the existing emergency generator. It replaces the existing inoperable system.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Louis Armstrong New Orleans International Airport (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Mr. Mekari served as the Project Manager and Electrical Engineer of Record for various LANOIA projects, including the design and of a new Airfield Lighting Control Vault and a new CCR switchgear-type lineup system.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Lakefront Airport (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Renovate the historic Administration (Terminal) Building, rebuild Bastian Mitchell and James & Walter Wedell Hangar and Fire Station Buildings due to Hurricane Katrina damage – New power distribution system and power generators were installed. Mr. Mekari served as the project Electrical Engineer of record.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> River Parishes Community College (Gonzales, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Mr. Mekari was the lead Electrical Engineer for this project and was responsible for the overall electrical plans and equipment specifications. The school is a new construction with 60,000 sq ft under roof.		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Villa Feliciana Medical Complex – Replace HVAC Systems (Jackson, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Replace HVAC systems in three patient buildings, including a TB ward. Upgrade the electrical power distribution system and install a power generation system (emergency) to accommodate.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME James Amodeo, PE	13. ROLE IN THIS CONTRACT SR. MECHANICAL ENGINEER	14. YEARS EXPERIENCE	
		a. TOTAL 20+	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

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

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Louisiana PE #36489- Mechanical
Colorado PE #36652

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Amodeo serves as a Senior Mechanical Engineer and Construction Manager 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.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Delgado Main Auditorium (New Orleans, LA)	2013	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Amodeo was responsible for the design and construction management of 14,000 sq. ft of auditorium renovation including adding new bathrooms, changing and upgrading the existing AHU and connect it back to the existing 4 pipe system, adding Smoke Evacuation system to meet new auditorium standards as per NFPA guidelines, a new sprinkler system which required adding a water curtain for the new stage area and a new fire pump due to low pressure and flow.		
b.	Nunez Community College (New Orleans, LA)	2013	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Amodeo was responsible for the design and construction management of 18,000 sq. ft of new art center using RTUs with electric heat and VAV systems. Since this project was funded by FEMA and CDBG, Mr. Amodeo had to also review all FEMA PWs and make recommendations on the items that were not covered in the PWs but required due to codes upgrades.		
c.	Joe W. Brown Memorial Recreational Center (New Orleans, LA)	2013	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design and construction management of the 4,400 square foot practice gymnasium and the 9,200 square foot main gymnasium. Mr. Amodeo also reviewed FEMA PWs to ensure overlooked storm-related and hazard mitigation items were included in the scope of work.		
d.	CC-1 Lift Station Upgrade: St Charles Parish DPW (Luling, LA)	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Amodeo served as the Sr. Mechanical Engineer for the upgrades and improvements of the lift station. The overall scope consisted of a major upgrade and overhaul to increase the pumping capacity of the pump station. Scope also included the demolition of the existing mechanical pumping system including the removal of (6) existing (30 hp) pumps with all related piping and appurtenances and replacement with (3) 100 hp pumps with updated piping, controls and monitoring. Some of Mr. Amodeo's responsibilities involved verifying the existing field conditions including pumps, piping, and odor control of Analysis for maximizing the current force main capacities in order to maximize the capacity and efficiency of the new lift station which reflected an increase of 55% pumping capacity coupled with higher efficiencies and improved monitoring and odor control. Mr. Amodeo also helped with the cost analysis breakdown in order to budget the new pumping system for the overall mechanical construction scope.		
e.	Broadmoor Lift Station (Shreveport, LA)	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

Mr. Amodeo served as a Sr. Mechanical Engineer for the lift station upgrades and pumping capacity increase (5400 gpm). This lift station was one of the larger lift stations for Shreveport DPW. The Project includes the rehabilitation of the facility building including pumps, pipes, screening system, odor control system, and designing of an access road.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Irish Jones	13. ROLE IN THIS CONTRACT ELECTRICAL DESIGNER	14. YEARS EXPERIENCE	
		a. TOTAL 40+	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

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

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

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.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
CC-1 Lift Station Upgrade: St Charles Parish DPW (Luling, LA)	2014	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Mr. Jones served as the project Sr. Designer for the upgrades and improvements of the lift station. The overall scope consisted of a major upgrade and overhaul to increase the pumping capacity of the pump station. Scope also included the demolition of the existing power distribution gear, removal of existing 6 (30 hp) pumps with all related controls and replacement with (3) 100 hp pumps with soft start controls. Some of Mr. Jones responsibilities involved verifying the existing field conditions and power capacities of existing switchgear and power panels, producing as-builts of existing electrical distribution systems, proposing and helping with the design and layout of a new power distribution system to reflect the size increase of the pumps (55% pumping capacity increase). Mr. Jones also helped with the cost analysis breakdown in order to budget the new power system of the overall electrical construction scope.		
Joe W. Brown Memorial Recreational Center (New Orleans, LA)	2013	2015
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Mr. Jones served as the Electrical Designer for the repairs and improvements to the Joe Brown Memorial Recreational Center Gymnasiums. The project included redesign of the 4,400 square foot practice gymnasium and the 9,200 square foot main gymnasium. Mr. Jones was responsible for design of a new, more efficient power distribution system and new lighting system for both facilities. Mr. Jones also reviewed FEMA PWs to ensure overlooked storm-related and hazard mitigation items were included in the scope of work.		
Lafitte Greenway Improvements (New Orleans, Louisiana)	2013	2015
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Mr. Jones served as the Sr. electrical designer for the design of Lafitte Greenway Project. The design included a design of electrical systems for pedestrian lighting including connection point on existing Entergy poles, underground interconnecting wiring, in ground J-box with water proof electrical connection, installation of new poles and light fixtures and finally preparation of specification.		
JP Public Works Warehouse (Jefferson Parish, LA)	2018	2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d.		

Mr. Jones served as the Senior Electrical Designer. He was responsible to provide electrical design, lightening system, fire alarm and intercom systems. Pivotal provided engineering services for JP Public Works Warehouse. The engineering scope was to provide mechanical & plumbing, electrical, and civil engineering services for the new warehouse facility in Bridge City for Jefferson Parish, Louisiana.

(1) TITLE AND LOCATION *(City and State)*

Albert Cammon Middle School New Wing and Locker Room Additions
(St. Rose, LA)

(2) YEAR COMPLETED

PROFESSIONAL SERVICES

2009

CONSTRUCTION (If applicable)

2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Check if project performed with current firm

Mr. Jones is the lead sr. Designer on this 21,000 sq. ft. new wing addition project. His scope was to determine the new power requirements of the additional wing and run the load analysis on the existing site utility feeder in order to determine if a new service is required. His study concluded that the existing feeder is sufficient however, the transformer needed to be increased in size. His approach, methodology and intricate design resulted in great savings to the client by reusing the existing feeders and power distribution gear.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Tarek Elnaggar, P.E	13. ROLE IN THIS CONTRACT PRINCIPAL CIVIL/ENVIRONMENTAL ENGINEER	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

M.S. Civil/Environmental Engineering, University of California at Berkeley, 1988
B.S. Civil Engineering, Louisiana State University, 1985

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Louisiana PE #23832 Civil and Environmental

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

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 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.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Lafitte Greenway (New Orleans, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. The project is to build multi use trail along the Lafitte Greenway corridor and enhance the corridor with landscaping. In coordination with Design Workshop and Dana Brown firms for this project. Mr. Elnaggar reviewed and analyzed the drainage area for 10 years storm and designed drainage improvements including retention ponds, reviewed and designed the horizontal and vertical profile, designed the pavement marking and signage for the trail and crossing streets. Further he reviewed the calculated capital cost estimate of the project and construction/bid document.		
(1) TITLE AND LOCATION <i>(City and State)</i> Phase I Environmental Site Assessment (Jefferson, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Mr. Elnaggar prepared a detailed Phase I Environmental Site Assessment for the former Ingalls Avondale Shipyard located in Westwego, LA. The site is approximately 266 acres consisting of extensive ship manufacturing operations. Pivotal identified the various areas of concerns to assist in marketing the property to potential developers of the property. Mr. Elnaggar also worked with the facility and the Louisiana Department of Environmental Quality (LDEQ) to address historical impacts and secured No Further Actions (NFA) determinations form LDEQ.		
(1) TITLE AND LOCATION <i>(City and State)</i> Wright Rd. Improvements (New Orleans, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Mr. Elnaggar served as the Principal, Designer & Reviewer of the project. The project included 2400 feet of a full roadway reconstruction including subsurface improvements (drainage, sewer and water line improvement).		
(1) TITLE AND LOCATION <i>(City and State)</i> Waste Management of Louisiana, LLC, Woodside Landfill (Walker, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Mr. Elnaggar served as the Environmental Design Engineer for this project. Mr. Elnaggar was responsible for providing construction quality assurance during the initial installation of the landfill gas collection and control system. Prepared all NSPS/MACT reports for the operation of the gas system. prepared permit application and modifications for the expansion of the gas system; developed responses for environmental assessment statement also known as "IT Questions;" and prepared air permit and testing and air permit compliance.		

(1) TITLE AND LOCATION <i>(City and State)</i> Waste Management of Louisiana, LLC, Reliable Landfill (Livonia, Louisiana)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A

e.

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
 Mr. Elnaggar served as the Environmental Design Engineer for this project. Mr. Elnaggar was responsible for conducting Tier 2 landfill gas study to demonstrate concentrations of non-methane organic compounds are less than regulatory threshold and prepared annual non methane organic compound emission reports.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Courtland Parr	13. ROLE IN THIS CONTRACT ENVIRONMENTAL PROJECT MANAGER	14. YEARS EXPERIENCE	
		a. TOTAL 1+	b. WITH CURRENT FIRM 1+

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

Bachelors of Science in Petroleum Engineering / 2019

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Parr serves as an Environmental Project Manager at Pivotal Engineering. His experience includes compliance reporting, multi-media environmental sampling and disaster recovery management. His experience also includes working in AUTOCAD Civil3d and GIS.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Hurricane Laura – Disaster Recovery (West Lake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Parr is the project manager for a large-scale disaster recovery project in Lake Charles, Louisiana. This project is ongoing. He has managed data from hundreds of vac trucks, including volumes, date/time, company and asset ID information. He has maintained a database of site information as well as a working file containing the overall volume of material.			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Entergy Nelson Ground Water Reports (West Lake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Parr prepared ground water reports for five industrial facilities in Westlake, Louisiana. Activities include groundwater sampling, reviewal of laboratory reports (including sample results and QA/QC results). Additionally, he performs statistical analysis via LDEQ-approved software as well as report generation. He manages the historical database for sample results.			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Entergy Nelson SRA Pond Dioxin Furan Investigation Scoping (West Lake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Parr spent time going to the field to collect soil samples to test for Dioxins. Following going to the field to collect samples, he assisted in the reporting by taking data from the lab and putting it into tables and also working in AutoCAD to create maps that revealed the locations of the soil samples.			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Nelson Unit 6 Settling Pond Permit Renewal (West Lake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Parr completed the permit renewal for the type 1 surface impoundment at the Entergy Nelson Site in Westlake, Louisiana. This included creating numerous maps in AutoCAD required by the DEQ for the permit application. Spent time searching through the EDMS to find out pertinent information about the facility in order to complete attachments necessary for the renewal.			
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Nelson Wastewater Neutralization Basin Permit renewal (West Lake, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Mr. Parr Completed the permit renewal for the type 1 surface impoundment at the Entergy Nelson Site in Westlake, Louisiana. This included creating numerous maps in AutoCAD required by the DEQ for the permit application. Spent time searching through the EDMS to find out pertinent information about the facility in order to complete attachments necessary for the renewal.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Eliot Guerin, EI	13. ROLE IN THIS CONTRACT Civil Designer	14. YEARS EXPERIENCE	
		a. TOTAL 2+	b. WITH CURRENT FIRM 2+

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

2018 / E.I. Civil Engineering

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Guerin is a civil designer with two (2) years 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. 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

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	RR016 BW Cooper Gert Town Dixon Group C New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Guerin serves as a Civil Engineer for this project. The project entails roadway rehabs 9 blocks (3245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
b.	RR017 BW Cooper Gert Town Dixon Group D New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Guerin serves as a Civil Engineer for this 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 designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
c.	RR018 BW Cooper Gert Town Dixon Group E New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Guerin serves as a Civil Engineer for this project. The project entails roadway rehabs to 15 blocks (6,075 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
d.	RR019 BW Cooper Gert Town Dixon Group F New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Guerin serves as a Civil Engineer for this project. The project entails roadway rehabs to 6 blocks (2,100 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. He is responsible for designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		
e.	RR034 E. Carrollton Group C (Adams St.) New Orleans, LA	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Guerin serves as a Civil Engineer for this project. The project entails roadway rehabs to 8 blocks (4,936 ft) in the neighborhood of Adams St. He is responsible for designing horizontal and vertical roadway alignment, drainage, water, sewer, geometrics of the streets, CADD Design, preparation of capital cost estimates and construction documents for the project.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ignatious Mutoti, PE	13. ROLE IN THIS CONTRACT SENIOR ENVIRONMENTAL ENGINEER	14. YEARS EXPERIENCE	
		a. TOTAL 26	b. WITH CURRENT FIRM 7+

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

Phd Environmental Engineering, University of Central Florida, 2003
M.S. Environmental Engineering, University of Sydney, Australia, 1998
B.Sc. Applied Chemistry and Chemical Technology, University of Zimbabwe (1993)

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Licensed Class 2 Wastewater Treatment Plant Operator (Virginia)
Virginia PE 0402040167

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Dr Mutoti has over 26 years of experience in the field of water and wastewater and has held various positions in the public, academic and private consulting sectors. In the past, Dr. Mutoti has held positions as Chemist and Water/Wastewater Laboratory manager, municipal Water/Wastewater Process Engineer responsible for treatment process optimization and troubleshooting for facilities up to 162 MGD. He has taught both undergraduate and graduate level water and wastewater engineering courses as a Professor and has been involved in higher level research projects. Dr. Mutoti has authored and co-authored several journal and newsletter articles and presented at various conferences. He has many years of consulting engineering experience design and operating water and wastewater facilities. He is a very competent design engineer, and water and wastewater plant operator, hydraulic & water quality modeler, and has good AutoCAD skills.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Veolia West Bank Wastewater Treatment Plant – S&WB (Jefferson Parish, LA)	2015	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Dr. Mutoti serves as the Project Manager for the Veolia West Bank Wastewater Treatment Plant. The scope of work is to install a new ATS at the plant's main 4160V electrical feed to prove switching between the main Entergy utility feed and the existing emergency generator. It replaces the existing inoperable system.		
b.	St.Brides Green Water Treatment Plant Upgrade (Chesapeake, VA)	2009	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Dr. Mutoti served as the Project Manager and Principal Engineer for the design of water treatment facility, a new 500 gpm well, modifications to an existing 600 gpm Well, 500,000-gallon elevated storage tank, SCADA system and sequence of operation, construction administration and start-up and O&M Manual. The project was estimated to be 4.2 million dollars.		
c.	Tampa Bay Water/AWWARF Project (Orlando, FL)	2001	2004
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Dr. Mutoti's participated in a \$3 million dollar AWWARF pilot study that was conducted by the University of Central Florida to determine the effects of blending multiple source waters on distribution water quality in Florida. The project is estimated to be 3 million dollars.		
d.	State Fair of Virginia Water Supply Improvements (Caroline County, VA)	2006	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Dr. Mutoti served as the Project Manager and Principal Engineer for the above mentioned project. The project was estimated to be 4.2 million dollars. Specifically, the project included connecting to the Hanover County's drinking water system via a mile and half 8-		

inch water line, designing a 500,000 gallon ground storage tank for fire flow water, a 250,000 gallon ground storage tank for drinking water, a pressure and disinfectant booster station.

(1) TITLE AND LOCATION (*City and State*)

(2) YEAR COMPLETED

**Oakland Park and Purkins Corner WWTP Upgrades
(King George County, VA)**

PROFESSIONAL SERVICES
2009

CONSTRUCTION (If applicable)
2012

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

e.

Dr. Mutoti served as the Project Manager and Principal Engineer for the above mentioned project. Scope for these two extended aeration package plants include pilot study to determine operational and design requirements to achieve Chesapeake Bay nutrient limits and removal metals. The pilot study also identified design deficiencies, mechanical and electrical shortfalls that required design improvements. Scope of work for the engineering design included preliminary and final design for the identified improvements and assisting the Authority with DEQ negotiations for consent order. Design of requirement improvements have been completed is the two projects have been bid. Value engineering may be required before the planned improvements can be constructed. Improvements at the two wastewater treatment plants also included, energy efficiency, and flow equalization.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Kepal Patel, EI	13. ROLE IN THIS CONTRACT ELECTRICAL DESIGNER	14. YEARS EXPERIENCE	
		a. TOTAL 2+	b. WITH CURRENT FIRM 2+

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

BS Electrical Engineering 2019

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

2019 LA EI # 0034453

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

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.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Live Oaks Street Light (Jefferson Parish, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Patel was responsible for the design. Along the project he was in cooperation with the project manager to talk directly with the manufacturer to satisfy the clients requirements.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Green Acres Street Lighting (Jefferson Parish, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Patel did some CAD work on this project along with learning to do the Electrical designs and determine the components required under the supervision of a Senior Electrical Designer.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Metairie Rd. Street Lighting (Jefferson Parish LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Patel's responsibilities consisted of designing, calculating voltage drop, sizing the conductor size and determine desired pole location. He coordinated with Entergy to determine the location for power distribution, new transformer and the location for the controllers.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Metairie Rd. U-Turn Street Lighting (Jefferson Parish LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Patel was responsible for designing, calculating voltage drop and sizing the conductor size. Determine the locations for the light poles. Determine the location for Power distribution with Entergy.		
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Cousins Blvd Lighting Improvement (Jefferson Parish LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Patel's responsibilities consisted of designing, calculating voltage drop and sizing the conductor size. Determine the locations for the power distribution in collaboration with Entergy for new pole and new transformer.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Sundiata Marcelin, PE	13. ROLE IN THIS CONTRACT Civil Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 2+

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

B.S. Civil Engineering, 2004

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

2013 / Civil Engineering / LA PE # 38589

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

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.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
RR016 BW Cooper Gert Town Dixon Group C New Orleans, LA	Ongoing	N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Marcelin is tasked with the complete above and below ground design of the restoration of approximately 9 blocks (3245 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design includes the horizontal and vertical roadway alignment and right-of-way design complete with new drainage structures based on an updated more resilient analysis procedure, limited waterline and sewer line replacement, and Sidewalk and ADA ramp layout.		
RR017 BW Cooper Gert Town Dixon Group D New Orleans, LA	Ongoing	N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Marcelin is tasked with the complete above and below ground design of the restoration of approximately 12 blocks (4,015 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design includes the horizontal and vertical roadway alignment and right-of-way design complete with new drainage structures based on an updated more resilient analysis procedure, limited waterline and sewer line replacement, and Sidewalk and ADA ramp layout.		
RR018 BW Cooper Gert Town Dixon Group E New Orleans, LA	Ongoing	N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Marcelin is tasked with the complete above and below ground design of the restoration of approximately 15 blocks (6,075 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design includes the horizontal and vertical roadway alignment and right-of-way design complete with new drainage structures based on an updated more resilient analysis procedure, limited waterline and sewer line replacement, and Sidewalk and ADA ramp layout.		
RR019 BW Cooper Gert Town Dixon Group E New Orleans, LA	Ongoing	N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Marcelin is tasked with the complete above and below ground design of the restoration of approximately 6 blocks (2,100 ft) in the neighborhood of B.W. Cooper, Gert Town and Dixon. This design includes the horizontal and vertical roadway alignment and right-of-way design complete with new drainage structures based on an updated more resilient analysis procedure, limited waterline and sewer line replacement, and Sidewalk and ADA ramp layout.		

(1) TITLE AND LOCATION (City and State) RR076: Lake Vista Group D New Orleans, LA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <div style="float: right; text-align: right;"> <input checked="" type="checkbox"/> Check if project performed with current firm </div>		
<p>e. Mr. Marcelin is tasked with the complete above and below ground design of the restoration of approximately 5 blocks (1,750 ft) in the neighborhood of Lake Vista. This design includes the horizontal and vertical roadway alignment and right-of-way design complete with new drainage structures based on an updated more resilient analysis procedure, limited waterline and sewer line replacement, and Sidewalk and ADA ramp layout.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Alfred D. Cyprian	13. ROLE IN THIS CONTRACT Inspector	14. YEARS EXPERIENCE a. TOTAL 20+	
		b. WITH CURRENT FIRM >1	
15. FIRM NAME AND LOCATION <i>(City and State)</i> <p align="center">PIVOTAL ENGINEERING, LLC (New Orleans, LA)</p>			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Amite High School May, 1988 to August 1992	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Authorized Nuclear Density tester Certified in Asphaltic concrete paving, PCCP, structural concrete paving, Embankment and Base course and asphaltic concrete plant Had ATSSA Flagger, TCT and TCS training		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

Mr. Cyprian has over 20 years of experience in Construction Inspection. He is certified in five different construction areas. His experience also includes sampling, testing and maintaining daily diaries of all construction activities

19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Pritchard Road Extension (Jefferson Parish, LA)	2020	2020
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Mr. Cyprian served as the Project Manager/ Inspector for the Pritchard Road Extension project. The scope of this project consisted of removing and replacing existing 20 ft wide concrete roadway and replacing with 26ft wide roadway and extended 130 ft to connect Pritchard Road to Sprig Street.			
b.	685 North Morrison Blvd. (Hammond, LA)	1996	1996
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Mr. Cyprian served as the Project Manager responsible for ensuring that the job was constructed according to the plans, contract and DOTD specifications. This included inspection, sampling and testing.			
c.			
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
d.			
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
e.			
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Cyril Michael Duplessis Sr.	13. ROLE IN THIS CONTRACT Roadway Construction Inspector	14. YEARS EXPERIENCE	
		a. TOTAL 20+	b. WITH CURRENT FIRM >1

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Associate Degree, Program Analyst	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Duplessis is a results-driven professional with extensive experience managing people and project teams, implementing and overseeing construction-based technology programs and administering multi-million-dollar budgets. Possess an in-depth understanding of emerging technologies and their commercial applications. Over thirty years of successful planning and directing activities that provide innovative information technology, telecommunications, and customer service solutions within the construction trade. Backed by strong credentials and a proven history of on-time, on-budget and high-quality project completions.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Resident Field Inspector of Roadway Construction (New Orleans, LA)	2020-21	2021
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Asphalt and concrete roadway, walkway and curbing new installation and repair Examination of construction to verify structural integrity and compliance with specifications, codes and regulations for DOTD, DPWCNO and FEMA funding. Project performed: Viavant – Lake Catherine.		
a.	<ul style="list-style-type: none"> Responsible for conducting pre-inspection and post-inspection site assessments Provided QA/QC of data entered into the document management system Observe contractor’s activities during construction, and providing recommendations to resolve site condition anomalies Ensure compliance with DOTD, CNO and OSHA 	
Structural Field Inspection of Rail System (New Orleans, LA)	2019-20	2020
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Examination of new construction of 6K feet of rail system to verify structural integrity and compliance with specifications, codes and regulations for FEMA funding. Project performed: South Yard Improvement Project.		
b.	<ul style="list-style-type: none"> Responsible for conducting pre-inspection and post-inspection site assessments Provided QA/QC of data entered into the document management system Observe contractor’s activities during construction, and providing recommendations to resolve site condition anomalies Ensure compliance with OSHA safety codes 	
Associate Engineer/Inspector for Drainage Project (New Orleans, LA)	2019	2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Examination of existing City drainage systems to verify structural integrity and compliance with specifications, codes and regulations. Project performed: Catch basin inspections Eastern Quadrant.		
c.	<ul style="list-style-type: none"> Responsible for conducting pre-inspection and post-inspection site assessments 	

- Provided QA/QC of data entered into the document management system
- Ensure compliance with OSHA safety codes

(1) TITLE AND LOCATION <i>(City and State)</i> Commercial Construction Field Inspector (New Orleans, LA)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018-19	CONSTRUCTION (If applicable) 2019
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Examination of new construction and renovation projects to verify structural integrity and compliance with contract specifications, codes and regulations of ground up new facilities construction, commercial renovations, post-construction warranty compliance and emergency facility systems assessments. Projects include: Orleans Parish School Board 8 campus sites. d. <ul style="list-style-type: none"> • Conducted construction site assessments • Post construction maintenance resolution • Renovation • Provided QA/QC of reporting data entered into the document management system (FieldLens,ProCORE) • Observe contractor’s activities during construction, and providing recommendations to resolve site condition anomalies 		
(1) TITLE AND LOCATION <i>(City and State)</i> Construction Project Management (Houston, TX)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Provided site supervision and project/budget management on a diverse range of residential and commercial construction, demolition and infrastructure projects (budgets ranging from 100K to 350K). e. <ul style="list-style-type: none"> • Overseeing and directing construction projects and teams from conception to completion • Reviewing projects in-depth to schedule deliverables and estimate costs • Overseeing all onsite and offsite construction to monitor compliance with building and safety regulations • Negotiate terms of agreement, draft contracts and assist with obtaining permits and licenses 		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Debra J. Wilson	13. ROLE IN THIS CONTRACT INSPECTOR	14. YEARS EXPERIENCE	
		a. TOTAL 15+	b. WITH CURRENT FIRM 1>

15. FIRM NAME AND LOCATION <i>(City and State)</i> PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> PICAYUNE MEMORIAL HIGH SCHOOL, PICAYUNE MISSISSIPPI	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> None
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Ms. Wilson is an experience inspector with a firm background in grant management, housing assessment, QA/QC, field crew management, cost estimation and FEMA methodologies.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. FEMA – INDEPENDENT CONTRACTOR (New Orleans, LA)	2000- present	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performing the following duties for a company that was awarded a contract by FEMA to perform inspections to determine damage to homes and personal property of individuals in a federally declared disaster.		
<ul style="list-style-type: none"> Quality Control Inspector – Perform quality control inspections, post initial inspection, to ensure accuracy of the inspections, grade the initial inspector and conduct a customer service survey. Team Leader – Meet with assigned new inspectors to field train on FEMA Inspection Guidelines, verify that they are efficient with the equipment and software programs used by FEMA inspectors, review their inspections and perform ride-along inspections to observe them in the field. Disaster Housing Inspector – Perform inspections to homes addressing damages due to a declared natural disaster per guidelines set forth by FEMA. 		
b. Grant Administrator (St. Tammany Parish, LA)	2020	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Currently working on the STRAP Program for St. Tammany Parish as a Senior Grant Manager. Responsible for auditing all documents pertaining to the rental assistance program offered to the residences of St. Tammany. This includes verifying that all Treasury Department guidelines are followed, and the applications and applicants meet the program standards.		
c. Quality Control Manager (New Orleans, LA)	2017-18	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Reviewed inspections to ensure that the guidelines of the program were followed, and all required criteria was addressed for the inspection report to be forwarded to the state for awarding.		
d. Senior Analyst / Inspector (New Orleans, LA)	2016 - 17	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm QA/QC on final assessments and contractor invoicing to ensure that program guidelines were adhered to. Communicated with program contractors to correct any guideline, assessment or invoicing issues or questions. Performed inspections to residential homes for disaster-related damage covered under the program’s guidelines.		
e. Housing Assessor / QA/QC Lead (New Orleans, LA)	2013-14	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible for supervising QA/QC Team. Team was responsible for reviewing all assessments for field accuracy and to ensure program guidelines were followed. Performed disaster-related assessments of damaged residential home and addressing per program guidelines. Two reports were generated for each home: Work in Progress and Estimated Cost of Repairs. Xactimate software was used to compile the repair items and drawings.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Gerard (Jerry) Kelly	13. ROLE IN THIS CONTRACT Sr. Resident Inspector	14. YEARS EXPERIENCE	
		a. TOTAL 30+	b. WITH CURRENT FIRM 1<

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Holy Cross High School – New Orleans, LA Delgado College – New Orleans, LA Associates Degree Civil Engineering	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Kelly has over 30+ years in the construction industry. His experience includes Installation and repair of underground utilities in and around the New Orleans area with emphasis on: Sewer, sewer force mains, water mains, drainage, electrical conduit and related structures. Mr. Kelly is also responsible for Operation, repair, maintenance, and capacities of construction equipment, estimating, submitting proposals, monthly estimates, purchasing, change orders, quantity verifications, and cost control reporting.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> FEMA Funded Roadway Restoration Projects New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Kelly served as the Construction Inspector for this project. He was responsible for quality assurance, direct communication with contractor, and responsible for monthly quantities.			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> FEMA Funded Roadway Restoration Projects New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Kelly served as the Construction Inspector for this project. He was responsible for quality assurance, direct communication with contractor, and responsible for monthly quantities.			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> St. Bernard Parish Katrina Restoration Project New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) 2010
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Kelly served as the Lead Inspector for this project. He was responsible for Reviewing plans and specifications, daily reports, observe contractors activities to confirm the work was meeting plans and specifications			
d.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm			
e.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm			
f.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME James N Seal Jr	13. ROLE IN THIS CONTRACT Construction Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

B.S Construction Management, Thomas Edison University, Trenton NJ
Anticipated completion May 2022

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Certified Flagger

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Seal serves as a Construction Project Manager of Pivotal Engineering in charge of Civil/Transportation engineering projects construction management. He has over 20 years project and construction management experience for public and municipal infrastructures. Mr. Seal has successfully completed the Site Inspector and Project Delivery Manager courses at FEMA Emergency Management Institute. In addition, Mr. Seal has extensive training and experience in Hazzard Mitigation. He served as a FEMA contractor, deployed in Miami Florida for hurricane Irma where he managed the repair or replacement of various water and wastewater facilities, recreational facilities as well as beach erosion assessments.

In addition, Mr. Seal Served as a Project manager on a program management team to provide administrative and technical services for FEMA related Katrina recovery projects in St. Bernard Parish, Louisiana. Projects involved in the program included various types of sewer lift station, sewage treatment plant, gravity sewer system, sewer force main, water treatment plant, water tower and distribution, fire hydrants, fire stations, drainage pump station, building, and recreational projects.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Lower 9th Ward NW Group B New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2021
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Seal served as construction inspector for this project. This project entailed installation of new 8” sewer lines and associated manholes and house connections, installation of RCP drain lines ranging in size from 12” to 54” and associated laterals, manholes and catch basins. Complete restoration of sidewalks, ADA ramps and roadway, approximately 4,400 linear feet.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Village De L’EST Group B New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Seal served as construction inspector for this project. This project entailed restoration of sidewalks, ADA ramps and roadway, approximately 10,000 linear feet.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> SWBNO Retrofit generator fuel storage tanks New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2019
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Seal served as the Project Manager for this project. The project entailed demolishing and disposal of existing emergency generator fuel storage tanks and construction of two new 500,000-gallon fuel storage tanks and associated equipment at the SWBNO Carrolton water plant.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Florida Keys Aqueduct Authority (System-wide) Key West, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Seal served as the Program delivery manager as a FEMA contractor. This project entailed evaluating and documenting damages incurred from Hurricane Irma at water and wastewater plants, sewer lift stations, water towers and booster stations. The service area extended from Florida City to Key West.		

(1) TITLE AND LOCATION <i>(City and State)</i> Jefferson Parish Sewerage Capital Improvement Projects Kenner, LA	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) 2017
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Seal served as the Construction Project Manager for this project. This project entailed improving wastewater treatment plants, sewer lift stations and gravity and force sewerage mains throughout Jefferson Parish. Mr. Seal responsibilities were, but not limited to review of engineers plans and specifications, requests for information, proposed plan changes, submittals, pay request applications, attend progress meetings, and make periodic site visits.	<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Josef F. Pietraszuk	13. ROLE IN THIS CONTRACT INSPECTOR	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 1>

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Savannah College of Art and Design BFA - Graphic Design/Art History	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> None
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Pietraszuk is an experience inspector with a firm background in disaster-related application reviewal/submittal, inspection methodologies, housing assessment, QA/QC, field crew management, cost estimation and FEMA methodologies.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Lead Inspector (Durham, NC)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Lead Inspector - documented damages to homes (measured, photographed, sketched). Used Xactimate to transfer field data, add to damage list and create cost for repairs made/needed			
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Program Delivery Manager (Lincoln, Nebraska)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019 - 20	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Served as program delivery manager during DR-4420NE/4451MO (FEMA disaster in Nebraska). \$62M in applications processed. Additionally served as grants manager. Tasks included: Interviewing applicants, site inspections, collection of photographic evidence, documenting damages. Additional work items included generation of created cost of repairs made/needed spreadsheets for applicant, FEMA, and state approval as well as final submittal for funding.			
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Inspector (New Orleans, LA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018 - 19	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm • Lead Inspector - documented damages to homes (measured, photographed, sketched) • Xactimate - Transferred data to be rendered for 3D Modeling showing repairs made/needed.			
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Quality Control Field Inspector (Multiple Sites throughout USA)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013 - 2018	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Documented damages to homes (measured & photographed). Often deployed first to disaster (usually within 24 hours) for assessment of conditions and to offer assistance for those most in need. performed over 4000 initial inspections, 600+ QC inspections as well as supported the submission of \$128M+ in applications. Reviewed initial inspections, graded and initiated discussions related to needed corrections with inspector. Submitted opinion to release or retain inspector. Provided updates & support to deployed QC and initial inspectors.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Lara Hermes	13. ROLE IN THIS CONTRACT INSPECTOR	14. YEARS EXPERIENCE	
		a. TOTAL 12+	b. WITH CURRENT FIRM 1>

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> PICAYUNE MEMORIAL HIGH SCHOOL, PICAYUNE MISSISSIPPI	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> None
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Experienced disaster recovery professional with excellent customer service, self-motivation, field work skills and autonomy. Well over 12 years of experience in Xactimate as well as other project specific software. Ms. Hermes excels in dealing with all types of personalities in a calm and professional manner. She is adaptable to any work environment and can excel in the ever-changing DISASTER RECOVERY program environment. She is straight forward and has a strong work ethic and ability to manage people. Additionally, she has obtained All Lines Texas and FL Insurance Adjuster's License.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	FIELD MANAGER (New Orleans, LA)	2020	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm FIELD MANAGER FOR US NATIONAL SECURITY URANIUM COMPLEX COVID 19 RESPONSE PROGRAM She managed Medical Assessment Team of 10 people. Performed administration duties, including documentation of program efficacy. She served as the liaison to NSC Personal.		
b.	Hurricane Harvey CBDG Program Analyst (Houston, TX)	2019	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Complete detail reports of all assessment using Xactimate software in accordance with program requirement. Assessment of environmental and safety issues of residential environment of all applicants seeking congressional funds for restoration and mitigation post storm..		
c.	Hurricane Florence Recovery Inspector (New Orleans, LA)	2019	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed loss verification for real property loss due to disaster. Used computer-based inspection system for documenting property damage according to program guidelines and with above average time requirements.		
d.	Adjuster (New Orleans, LA)	2018	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Field team lead for Hurricane Harvey assessment activities. Led a team of over fifty (50) inspectors. Performed both inspections and assessments of real property damage. Perform inspection reporting and cost estimation.		
e.	Assessor / Inspector for RESTORE LOUISIANA PROGRAM (New Orleans, LA)	2016 - 17	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Performed loss verification for real property loss due to disaster. Used computer-based inspection system for documenting property damage according to program guidelines and with above average time requirements.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Levon Demetris Wright	13. ROLE IN THIS CONTRACT Sr. Inspector	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 1<

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Civil Engineering/2004/Pensacola Junior College, FL Associate in Applied Science/ 1989/Auto Technology/City of Chicago, Germany, West Germany, Mainz Associate in Applied Science/Pensacola Criminal Justice/2010	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> TIN #: W623524670 CTQP 2018/Asphalt Plant Inspector, Level 2 2018/Asphalt Plant Inspector, Level 1 2022/Asphalt Paving Inspector, Level 2 2022/Concrete Inspector, Level 346 2022/Earthwork Inspector, Level 1 2022/Earthwork Inspector, Level 2 2022/Final Estimates. Level 2
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Wright has over 20 years of experience in transportation construction inspection. He excels in coordinating tasks and is effective at managing multiple priorities under tight deadlines. Mr. Wright is highly capable of providing solutions for complex problems while on site. His responsibilities include direct supervision of team members, budget management, reporting, documenting procedures, problem solving, and demonstrating knowledge of applicable laws, regulations, and contract review.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> RR118-Marlyville-Fontainebleau Group C New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable) 2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
	Mr. Wright served as a Roadway Construction Inspector for the RR118-Marlyville-Fontainebleau Group C project. The project entails roadway rehabs to 19 blocks (6,650 ft) in the neighborhood of Fontainebleau Dr. This resident inspection service for streets reconstruction are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Caldwell Blvd Access Road Davenport, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) 2018
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Mr. Wright was directly responsible for the inspection of the newly proposed Access Road, that included all classes of concrete, reinforcing steel, bituminous pavement, traffic control, grading, signalization, aggregate bases and other highway components. Also prepared weekly Progress Meetings on site to include daily work reports that included a monthly progress estimate of contractor's quantities.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Paths to Progress, Orleans and Jefferson Parishes New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Paths to Progress is a transportation improvement program to rehabilitate, restore and enhance more than 60 roadway segments in Orleans and Jefferson parishes, with a combined investment of over 90 million. Mr. Wright provided inspection of the newly proposed roadway and bridges which included all classes of concrete, reinforcing steel, bituminous pavement, Conducted Pavement Restoration and Sidewalk Improvements for the following Streets and Avenues throughout New Orleans: Martin Luther King Ave. Canal Street, Broad Street, St. Bernard Avenue, Desota Ave, General DeGauile Avenue, General Myers Avenue, Esplanade Avenue and St. Claude Avenue.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	

Lafayette Regional Airport, 200 Terminal Drive Lafayette, LA	PROFESSIONAL SERVICES 2017	CONSTRUCTION (If applicable) 2017
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm This project included design of Emas system and new constructed Runway 11/29. Emas include: 500 feet wide and extends 1,000 feet beyond each end of the runway. It provides a graded area in the event that an aircraft overruns, undershoots, or veers off the side of the runway. Mr. Wright was directly responsible for the inspection of the newly proposed runway and EMAS system, all classes of concrete, reinforcing steel, bituminous pavement, traffic control, grading, signalization, aggregate bases and other highway components. In addition, prepared construction daily work reports to include an estimate of contractor's quantities and monthly progress payments, as well as QA/QC reports.		
(1) TITLE AND LOCATION (<i>City and State</i>) Mid-Bay Bridge Connector, Mid-Bay Bridge Authority, Niceville, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2009	
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm e. The Mid-Bay Bridge Connector is a new \$64M, 11-mile, controlled access toll highway that connects the north end of the Mid-Bay Bridge with SR 85 immediately north of Niceville. Mr. Wright provided construction engineering/inspection oversight of the newly proposed roadway and bridges that included all classes of concrete, reinforcing steel, bituminous pavement, traffic control, grading, signalization, aggregate bases and other highway components. In addition, prepared construction daily work reports to include an estimate of contractor's quantities and monthly progress payments, as well as QA/QC reports.	CONSTRUCTION (If applicable) 2012	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Luther W. Coates	13. ROLE IN THIS CONTRACT Roadway/Bridge Inspector	14. YEARS EXPERIENCE	
		a. TOTAL 35+	b. WITH CURRENT FIRM 1<

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

May 1985 Graduated Poplarville High School, Poplarville, MS

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

- Certified Embankment and Base Course Inspection (LADOTD)
- Certified Structural Concrete Inspection (LADOTD)
- PCC Concrete Plant Inspection (LADOTD)
- Authorized Density Tester (LADOTD)
- Authorized Concrete Field Tester (LADOTD)
- Earth Materials as Engineering Materials (NHI)
- Earthwork Site Preparation (NHI)
- TCCC Pipe Inspection (NHI)
- Mix Design for Warm Mix Asphalt (NHI)
- Surveying (NHI)
- Linear Surveying (LADOTD)
- Construction Leveling (LADOTD)
- Highway Plan Reading 1 & 2 (LADOTD)
- ATSSA Traffic Control Technician
- ATSSA Traffic Control Supervisor
- ATSSA Registered Flagger

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Coates has more than thirty-five years of experience as a construction inspector for various projects of small and big in value including roadway and bridges. While I was with DOTD, I worked on several projects, including the Airline Hwy. Widening Project, the Main St. Baker, (LA 19) Widening, and Joor Rd.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> LA1 Gateway to the Gulf Bridge Extension, Golden Meadow, LA,	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018 - 2020	CONSTRUCTION (If applicable) 2018 - 2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Coates served as the Construction Inspector for this project. He was responsible for quality assurance, direct communication with contractor, and responsible for monthly quantities.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> LA 3125 turn lanes into Nucor Steel, New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010 - 2014	CONSTRUCTION (If applicable) 2010 - 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Coates served as the Construction Inspector for this project. He was responsible for quality assurance, direct communication with contractor, and responsible for monthly quantities.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> I-12 Widening Project New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009-2010	CONSTRUCTION (If applicable) 2009-2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Mr. Coates served as the Construction Inspector for this project. He was responsible for quality assurance, direct communication with contractor, and responsible for monthly quantities.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Louisiana Department of Transportation and Development Dist. 61 Gang 510, Baton Rouge, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2005- 2006	CONSTRUCTION (If applicable) 2005-2006

	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Equipment Operator in the Maintenance Department	<input type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (<i>City and State</i>) Louisiana Department of Transportation and Development Dist. 61 Gang 238, Baton Rouge, LA	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2006- 2007</td> <td style="width: 50%;">CONSTRUCTION (If applicable) 2006 -2007</td> </tr> </table>	PROFESSIONAL SERVICES 2006- 2007	CONSTRUCTION (If applicable) 2006 -2007
	PROFESSIONAL SERVICES 2006- 2007	CONSTRUCTION (If applicable) 2006 -2007		
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm				
f.	(1) TITLE AND LOCATION (<i>City and State</i>) Construction Materials Testing Technician	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2007 - 2008</td> <td style="width: 50%;">CONSTRUCTION (If applicable) 2007 -2008</td> </tr> </table>	PROFESSIONAL SERVICES 2007 - 2008	CONSTRUCTION (If applicable) 2007 -2008
	PROFESSIONAL SERVICES 2007 - 2008	CONSTRUCTION (If applicable) 2007 -2008		
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Served as material testing professional in soils, concrete, and asphalt. He worked mostly on roadway and bridges, but also on commercial buildings and parking lots.				

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Matthew Dorris	13. ROLE IN THIS CONTRACT INSPECTOR	14. YEARS EXPERIENCE	
		a. TOTAL 10+	b. WITH CURRENT FIRM 1>

15. FIRM NAME AND LOCATION *(City and State)*
PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> PICAYUNE MEMORIAL HIGH SCHOOL, PICAYUNE MISSISSIPPI	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> None
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Dorris has experience with FEMA/HUD disaster recovery inspection, assessment, cost estimation and application preparation Experience using cost estimation software and inspection documentation software.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Assistant Project Manager (Austin, TX)	2021	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm a. Responsible for scheduling of all crews and remaining under budget. Performed mold remediation on commercial loses for private insurance companies. Took moisture readings of affected areas and map them out to send to insurance companies. Projects included: San Jose Catholic High, San Lupe Catholic Church, St. Margaret Mary Catholic Church, St. Albert the Great Catholic Church, Sabine on Fifth (condominiums). Performed inspection services for demolition and rebuilding of commercial buildings damaged from pipes freezing over and busting.		
Damage Assessor (Houston, TX)	2017 - 20	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm b. Texas PREP's Rebuild Program (FEMA) - Property damage assessor for over 500 homes. Responsible for scheduling of appointments, mapping of damaged areas, priced out repairs and replacement of affected areas. Used Xactimate for cost estimation. Additionally, served as project analyst of appeals team for Texas Homeowner Reimbursement Program (Housing Urban Development HUD). Decided if applicants were eligible for reimbursements of up to \$50,000.		
Quality Control Manager (New Orleans, LA)	2012 - 17	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm c. Maintained over 150 Acres for the Army Corps of Greater New Orleans. Responsible to keep job sites clean, mowed, and accessible for all equipment. Managed all day-to-day operations, inspection services, and billing. Cost estimation and contract adherence.		
Project Manager (New Orleans, LA)	2009 - 12	N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm d. Managed over 100 projects in the Greater New Orleans area. Managed day to day operations of all crews on up to five projects at once. Supervised, scheduled, and hired over 100 laborers. Responsible for the ordering and delivery of all materials for multiple job sites. Made sure daily logs were filled out and turned in to be billed out.		

RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Paul Johnson	13. ROLE IN THIS CONTRACT INSPECTOR	14. YEARS EXPERIENCE	
		a. TOTAL 11	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

AS, Civil Construction, in progress

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

None

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Johnson retains 11 years' experience in the Residential and Commercial construction industry. Mr. Johnson's experience ranges from residential home and commercial property inspections to resident inspections for large-scale civil construction projects. Mr. Johnson currently serves as a Residential Inspector for the St. John Parish Hurricane Isaac CDBG Housing Programs. Mr. Johnson also served as an inspector for the Jefferson Parish Hurricane Isaac Housing Program in 2016-17 and the Minor Housing Repair Program for St. John Parish in 2011-12.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Abate Asbestos Ceilings and Replace at Alexander Elementary School Jefferson Parish, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Johnson served as a Facilities Inspector for this project. Pivotal personnel provided the Jefferson Parish Public School System Asbestos Abatement Design, Architectural, Mechanical, Electrical Design and Construction Management for the removal and replacement of asbestos-containing ceiling texture at Alexander Elementary School located in Kenner, LA.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Joe Brown Recreational Facility New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Johnson served as a construction inspector for this project. Our main engineering and construction management scope consisted of: 1) Review MEP items in FEMA PWs, 2) Add items that were missed by FEMA but are storm related, 3) Provide budgets for PW items and the FEMA missed items, 4) Meet with FEMA for scope alignment and agree on a strategy for new systems design, 5) Prepare several mitigation design scenarios in order to meet ABFE or DFIRM elevations, 6) Evaluate the Dry Proofing and Wet Proofing methodologies and present a design for both scenarios with benefit and cost analysis, 7) Help client in making final decisions for the best hazard/flood mitigation approach after reviewing the cost and benefit, 8) Decide if the system can be salvaged or total replacement (in Joe Brown, it was total replacement), 9) Help client with FEMA negotiations by providing technical justifications for FEMA claims, 10) Expedite engineering efforts to meet construction deadlines, 11) Construction Administration.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> DPW Warehouse New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Pivotal Engineering was retained by the City of New Orleans Department to provide engineering services for DPW Warehouse. The Scope consists of designing the main New Orleans DPW maintenance and training facility with secured/controlled access. The building will be part of the overall DPW complex and will serve as the main hub.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Percy Young	13. ROLE IN THIS CONTRACT INSPECTOR	14. YEARS EXPERIENCE	
		a. TOTAL 10+	b. WITH CURRENT FIRM 1>

15. FIRM NAME AND LOCATION <i>(City and State)</i> PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> GRACE KING HIGH SCHOOL, DIPLOMA	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> None
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Young is a construction / disaster recovery inspector with FEMA inspection, assessment, cost estimation and reporting knowledge.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Construction Inspector (New Orleans, LA)	2020 - 21	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Responsible for scheduling of crews and remaining under budget. Performed inspection services for demolition and rebuilding of commercial buildings, including damages from pipes freezing over and busting.		
b.	Damage Assessor (Raleigh, NC)	2018 - 20	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Property damage assessor for four (4) commercial building, two (2) schools and two (2) banks. Responsible for mapping of damaged areas, delineated areas for renovation and reporting extent of damage at affected areas.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Richard A. Baudier	13. ROLE IN THIS CONTRACT Bridge Inspector	14. YEARS EXPERIENCE <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">a. TOTAL 41</td> <td style="width:50%; text-align: center;">b. WITH CURRENT FIRM 1<</td> </tr> </table>		a. TOTAL 41	b. WITH CURRENT FIRM 1<
a. TOTAL 41	b. WITH CURRENT FIRM 1<				
15. FIRM NAME AND LOCATION <i>(City and State)</i> PIVOTAL ENGINEERING, LLC (New Orleans, LA)					
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Associates degree in electronic engineering technology may 1990	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> <ul style="list-style-type: none"> Nationally certified Bridge Inspector by the Federal Government (Certification# 80-001) Supervisory committee member for the South Louisiana Highway Federal Credit Union 				
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i>					

Mr. Baudier serves as a bridge and roadway inspector for Pivotal Engineering. Mr. Baudier has forty-one years of experience as a bridge and roadway inspector for various projects that include cast-in-place structural concrete for bridge and roadway constructions. His experience also includes Installation and repair of underground utilities in and around the New Orleans area with emphasis on: Sewer, sewer force mains, water mains, drainage, electrical conduit and related structures. Mr. Baudier is also responsible for Operation, repair, maintenance, and capacities of construction equipment, estimating, submitting proposals, monthly estimates, purchasing, change orders, quantity verifications, and cost control reporting.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
LDOTD Bridge City, LA	PROFESSIONAL SERVICES 1997 - 2016	CONSTRUCTION (If applicable) 1997 - 2016
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm a. Mr. Baudier served as Parish Maintenance Specialist for LADOTD on the following capacity: <ul style="list-style-type: none"> Planned, scheduled and coordinated maintenance management activities Responsible for state maintained maintenance between right of ways Serviced 4 parishes: Orleans, Jefferson, Plaquemine, St. Charles Determined materials, equipment and manpower needed for maintenance and repairs of roads. Ordered materials and assigned a parish crew to maintenance projects Inspect roads on a regular basis to estimate and schedule repairs Resolved problems with the general public, local officials, material vendors and maintenance personnel Prepared cost estimates for projects from various field data Routine maintenance of equipment for repairs, replacement, and inventory control Specification compliance based on plans and special provisions established by the agency Managed documentation of all work completed by the parish maintenance units which includes payroll, leave slips, daily work reports, bi-weekly activity reports, fuel reports, materials reports, etc... Direct activities of maintenance units on various maintenance projects to compliance with specifications Monthly maintenance update as to work being scheduled and work completed for documentation Instructed and trained newly appointed Parish Maintenance Superintendents and Parish Clerks Performed Surveying Investigated accidents to determine liability of the Department Interviewed applicants for hire 		
b. (1) TITLE AND LOCATION <i>(City and State)</i> LDOTD Bridge City, LA	PROFESSIONAL SERVICES 1975 - 1997	CONSTRUCTION (If applicable) 1975-1997
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

Mr. Baudier served as Bridge Inspector I for LADOTD on the following capacity:

- Started as Engineering Aide I, II, III and promoted to Senior Bridge Inspector, Engineer Specialist I, Engineer Specialist II and finally Bridge Inspector Supervisor I
 - Performed technical sub professional engineering work in connection with bridge inspection duties
 - Maintained records of all inspections
 - Utilized methods developed for bridge inspection standards contained in the AASHO Manual by the Federal Highway Administration
 - Inspected all substructures and superstructure on all bridges located throughout the assigned Highway District 02
 - Created narrative reports which included drawing sketches and other technical information concerning the bridge structure
 - Estimated cost on bridge work and prepared requisitions for various bridge materials
 - Scheduled and supervised repairs to the bridge by the district bridge maintenance crews
-

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Stephen G. Bobeck	13. ROLE IN THIS CONTRACT Roadway Construction Inspector	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 1<

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

Diploma, Pope John Paul II High School, Slidell, LA, 1984

United States Navy, San Diego, CA & Philadelphia, PA, 1985 - 1989

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

NJSAT – Asphalt Paving Construction Technologist

OSHA - 30 Hour Safety Certification

Certified Flagger

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Bobeck has fifteen years of experience as a construction inspector for various projects that include cast-in-place structural concrete for bridge and building structures and numerous heavy asphalt paving jobs. As Field Technician Manager at Southern Earth Sciences, Mr. Bobeck has overseen the installation and testing of various driven pile foundations including timber-concrete composite and precast prestressed concrete piles.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	RR118-Marlyville-Fontainebleau Group C New Orleans, LA	2020	2020
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Mr. Bobeck served as a Roadway Construction Inspector for the RR118-Marlyville-Fontainebleau Group C project. The project entails roadway rehabs to 19 blocks (6,650 ft) in the neighborhood of Fontainebleau Dr. This resident inspection service for streets reconstruction are required to meet rehabilitation goals set by FEMA and CNO and water line replacement program set by S&WB.		
b.	New Jersey Turnpike Authority, Garden State Parkway Contract Newark, NJ	2015	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm This project involves thereconstruction of GSP Interchange 105 at the GSP access ramps/NJ Route 36/ Hope Road intersection. Improvements include new ramps in the northeast and southeast quadrants of the intersection to accommodate left-turn movements, relocation of the existing GSP NB exit ramp to form a new signalized intersection, widening of the approaches to Hope Rd, NJ Route 36, and GSP access ramps. The project also includes one new overhead sign structure, drainageimprovements, signing, striping, lighting, and utility work.		
c.	New Jersey Turnpike Authority, New jersey Turnpike Authority Contract T300.176. Inspector - Interchange 9 Improvements. Newark, NJ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm As construction inspector for this project, Mr. Bobeck was responsible for inspections of the cast-in-place concrete drilled shaft piles, installation of sheet pile cofferdams, construction of cast-in-place bridge decks, bents and foundations and retaining walls.		
d.	New Jersey Turnpike Authority, Garden State Parkway Contract P200.260. Inspector - GSP Centr Pavement Restoration and Miscellaneous Improvements Newark, NJ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm This project for the Garden State Parkway provided pavement restoration and miscellaneous improvements from Milepost 80 to 143. The contract consisted of pavement removal/resurfacing with Superpave Hot Mix Asphalt Surface Course Pavement and Asphalt Rubber Open Graded Friction Course. The work performed was along the Garden State Parkway Northbound and Southbound mainline roadways, ramps, toll plazas, and other related miscellaneous work at various locations from Milepost 80 to		

Milepost 143 in Ocean, Monmouth, Middlesex, and Union Counties, New Jersey.

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
New Jersey Turnpike Authority, Garden state Parkway Contract P200.218. Inspector – GSP Northern Pavement Restoration and Miscellaneous Improvements Newark, NJ	2012	N/A
<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This project included 864,000 SY of milling 2 1/2" depth and placement of 133,700 tons of HMA 12.5H76 Superpave material. The pavement areas of this project were north and southbound from MP 172.4 to MP 163.4 and from MP 148.0 to MP 152.0. Also included in this project were 341,000 LF of polymerized joint adhesive and various striping including Thermoplastic and epoxy resin and the placement of RPM's. This project required an extreme amount of coordination due to the vicinity of the project within the area of other active construction projects and the resurfacing of eight toll plazas and 32 exit and entrance ramps.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Warren Braai	13. ROLE IN THIS CONTRACT Resident Inspector	14. YEARS EXPERIENCE	
		a. TOTAL 40	b. WITH CURRENT FIRM 1<

15. FIRM NAME AND LOCATION *(City and State)*

PIVOTAL ENGINEERING, LLC (New Orleans, LA)

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

Marketing/Management– 1978, Our Lady of Holy Cross College, New Orleans, Louisiana

Associate Degree - 1975-1978 - Business Administration
Delgado Community College, New Orleans, Louisiana

Principles of Refrigeration– 1972-1973 - Refrigeration School of New Orleans

Northwestern State College – 1963-1964 Natchitoches, Louisiana

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

Certified Welding Inspector
American welding Society QC1-88
Certificate NO. 91080031

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Braai has 40 Years experience in Project Coordination/Project Management. His experience also includes QA and QC, welding inspection, fabrication inspection, welding procedures and welding qualification and construction management for onshore and offshore oil and gas production facilities, pipelines, petrochemical plants, and pulp and paper plants.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Waldermar S. Nelson Company, Inc. Construction Management Group New Orleans, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Mr. Braai duties include vendor/supplier auditing coordination between design engineering, inspection, construction and project engineering. His Responsibilities also include procedure/specification auditing and preparation. Also responsible for rejection/release code/specification interpretation and technical writing of acceptance criteria for non-conformance reports. Coordination of design/specification with designers and engineers to assure material, welding and design fulfill code/specification and project requirements.		
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Warren Inspection Company Marrero, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Mr. Braai served as the Consultant for Construction Management of oil and gas production facilities for Conoco, Exxon, Shell Offshore, Texaco and Shell Western E & P. His duties included welder qualification, preparation and qualification of welding procedures, construction management and welding inspection per API, ASME, ANSI AWS and NACE Standards. Facilities included compressor stations, well manifolds, test separators, utilities, pipeline pumps, API tanks, ASME vessels and dehydration equipment.		
c.	(1) TITLE AND LOCATION <i>(City and State)</i> A&B Industries, Inc. Harvey, LA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		
	Fabrication company supplying modular skids for offshore and onshore oil and gas production facilities. Mr. Braai Duties included purchasing, construction management and QA/QC. Primary clients included Shell, Chevron and Conoco.		
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Inspectioneering, Inc. Harvey, Louisiana	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES N/A	CONSTRUCTION (If applicable) N/A

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

Mr. Braai served as a Manager for a full service non-destructive testing lab. Duties included marketing, staffing, training, certification and visual inspection on numerous module fabrication and offshore interconnect projects.

(1) TITLE AND LOCATION (*City and State*)

(2) YEAR COMPLETED

Petro Chem Inspection
New Orleans, Louisiana

PROFESSIONAL SERVICES

CONSTRUCTION (If applicable)

N/A

N/A

e.

(3) BRIEF DESCRIPTION (*Brief scope, size, cost, etc.*) AND SPECIFIC ROLE

Check if project performed with current firm

A visual inspection/construction management company. Mr. Braai Duties included planning and schedule, sales and staffing.

a. Name, title & domicile Ray Bergeron	b. Position or Assignment for this project Chief Architect
c. Name of firm by which employed full time Pivotal Engineering, LLC	d. Years experience: 44
e. Education: Degree(s) / Years / Specialization B.S., Architecture, 1963	f. Active registration: Year registered: <u>2005</u> Branch: <u>Architecture</u> State: <u>LA</u> License No.: 4280

• Background

Mr. Bergeron has over 40 years of professional experience, working on various projects across the Greater New Orleans and Baton Rouge Area for the state of Louisiana, and the Southeastern United States ranging in costs from \$100,000 to \$25,000,000. During his career, Mr. Bergeron was responsible for the design of numerous office buildings, hotels, restaurants, retail facilities, health and medical facilities, institutional, recreational, and interior designs, as well as single family and multi-family dwellings.

Mr. Bergeron has the ability to create cost efficient design while maximizing the aesthetics. To assure that the many facets of the design process are properly implemented, Mr. Bergeron effectively coordinates with all other disciplines whose input and expertise is critical to the successful completion of the project.

His past professional affiliations include president of the New Orleans Chapter A.I.A. in 1984, President of the Lakeside Kiwanis in 1983, and Chairman of the Jefferson Parish Building Code Task Force 1987-88. He was also Chairman of the Business Development Committee of the Jefferson Parish Economic Development Commission, and a Commissioner on the board of Civic Environmental Planning in Fairfax County, Virginia

• Projects Experience

Albert Cammon Middle School New Wing and Locker Room Additions; St. Charles Parish School Board; St. Rose, Louisiana: Mr. Bergeron served as project Chief architect responsible for the developing design, design development and construction documents for Albert Cammon Middle School Renovations and Expansion. The project construction cost is 3.9 million.

Served as Chief Architect on the following projects:

- St. John the Baptist Parish Park and Recreation Facility; Edgard, LA
- St. John the Baptist Parish Senior Citizen Center; LaPlace, LA
- St. John the Baptist Senior Citizen Center; Edgard, LA
- St. Charles Parish; Regional Library; Destrehan, LA
- St. Charles Parish; Regional Library; Luling, LA

**Request for Qualifications
Architectural/Engineering Services
Exhibit "A"
Proposal Requirements**

Each individual or firm should submit the following information as part of its proposal for Architectural Services. Proposals that do not meet the requirements may be deemed not responsive and may be disqualified from the evaluation process. The District reserves the right to waive any informality or defect in any proposal and to negotiate further with any party submitting a proposal.

Introduction:

- Present a written narrative of information about your firm including the education and experience of all members of your firm who may be assigned to work with the District. Please include the names of employees available to service the needs of the District or any awarded projects. Also include information on how long your firm has been in business and for how long your firm has been providing K-12 school construction/renovation services.
- Experience of in-charge architect(s), engineer(s), and inspector(s)/project manager(s) of your firm in building educational facilities and other buildings.
- Experience working on projects funded with Federal and State funds, including but not limited to projects involving or including project funding from the Mississippi Development Authority, Department of Finance and Administration, Mississippi Dept. of Education, U.S. Treasury Department, U.S. Department of Education, U.S. Dept. of Labor, GEER, ESSER and FAR.

Education/Licensing:

- Please specify the individual or individuals who will be assigned to the needs of Forrest County Agricultural High School District and include specific education and/or licensing information.

Experience in Public School Field:

- Provide a detailed listing of your firm's experience in providing architectural/engineering services, particularly in the area of K-12 public schools, to include types of construction and length of service relationships. Please emphasize any educational projects in the state of Mississippi.

Insurance Coverages:

- Provide your firm's current insurance coverages and confirm that insurance coverages listed in Exhibit "B" will be in place and active prior to initiation of all contracts.
- The party selected hereunder must supply certificates of insurance as listed in Exhibit "B" of this RFQ prior to being awarded a contract.

List of Completed Projects:

- Provide information regarding K-12 school building/renovation projects completed within the last four (4) years to include information on whether each project was completed within the required timelines, the length of time to complete the project from beginning of design through final completion, the dollar amount over/under budget, and number of change orders per construction contract. Your firm is also welcomed to submit other information on other additional commercial and education building projects to show additional experience.

Project Oversight:

- Provide a detailed narrative of how your firm will ensure the management and oversight of any project awarded hereunder and how it will be handled in the best interest of the District.
- To the extent not already covered, provide information on the capacity of your firm to oversee projects and provide all needed reports with other workload within the time frame established by the District and as required by the funding sources for any project awarded.

Interview:

- The District may schedule an interview with one or more parties submitting a proposal, if deemed necessary, within one to two weeks following receipt of proposals and prior to making a recommendation to the Board.

References:

- Provide at least three (3) client references (with contact information) on K-12 facility projects your firm currently services or for whom your firm provide services on K-12 facilities within the last four (4) years.
- Provide at least three client references (with contact information) for other public or commercial facilities currently under your services.

Signature of Company Official

A. Mehta

_____(SIGN AND RETURN WITH PROPOSAL)

Exhibit "B"

Minimum Insurance Requirements to be Provided Upon Initiation of Contract

Architect shall purchase and maintain in force at all times during the full term of the contract, the following minimum insurance covering: Bodily injury and property damage liability insurance in at least the following types with the minimum identified.

Professional Liability– Professional liability insurance in an amount of \$1,000,000.00

Commercial General Liability – Combined single limit in an amount of \$1,000,000.00 per occurrence with \$2,000,000.00 aggregate

Commercial Automobile Liability– Covering owned, non-owned, and hired automobiles/ vehicles—combined single limit in amount of \$1,000,000.00

Workers' Compensation Limits Statutory– State of Mississippi with a waiver of Subrogation. —Employer's Liability-\$100,000.00 each accident; \$500,000.00 disease Policy Limit; \$100,000.00 Disease each employee

Architect will require all of the above coverages for all contractors who submit bids, with the exception of professional liability, and the following bonds of all contractors on construction projects prior to issuing a construction contract:

Bonds Required of Contractors:

Fidelity bonds shall be secured on all of the Contractor's employees in amounts not less than \$5,000.00 per individual and \$25,000.00 per occurrence.

A performance bond shall be executed in the amount of the contract conditioned on the faithful performance of the work according to the plans, specifications, and contract documents.

All insurance must be written by insurance companies that are rated in the A.M. Best Key Rating Guide-Property 7 Casualty, with a policy holder's rating of "A". The Forrest County Agricultural High School School District is to be named as additional insured in each policy and a waiver of subrogation shall be provided to the Owner. Architect shall provide notification, in writing, thirty (30) days prior to the termination date.

I do certify that my firm and contractors will have the required minimum insurances and bonds in place and active prior to initiation of all contracts.

Signature of Company Official A. Mehta
_____ (SIGN AND RETURN WITH PROPOSAL)

DESCRIPTIONS (Continued from Page 1)

Includes Hired & Non-Owned Auto Liability

Notice of cancellation provided as per policy provisions.

****SHARED GENERAL AGGREGATE ENDORSEMENT Gen Liab/Contractors Poll/Professional: \$2,000,000.**

DEDUCTIBLE ON PROFESSIONAL LIABILITY - \$5,000.

DEDUCTIBLE ON CONTRACTOR'S POLLUTION - \$2,500.

WORKERS COMPENSATION:

U.S. Longshoremen & Harborworker's Coverage

Policy includes Alternate Employer and Waiver of Subrogation endorsements that provide this status to the Certificate holder, only when there is a written contract between the named insured and the Certificate holder that requires such status, and only with regard to work performed on behalf of the named insured.

Exhibit "C"

Other Requirements

1. Any employees of the architect firm, the Contractor or Subcontractors reasonably expected to come into contact with District students will be required to comply with all State and Federal requirements and District policies that are required for student and safety purposes, including but not limited to the Drug-Free Workplace Act of 1988.

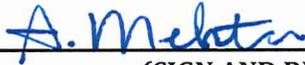
2. Architects/Contractors must comply with the Mississippi Employment Protection Act. Architects/Contractors must represent and warrant that they will ensure their compliance with the Mississippi Employment Protection Act (Senate Bill 2988 from the 2008 Regular Legislative Session) and will register and participate in the status verification system for all newly hired employees. The term "employee" as used herein means any person that is hired to perform work within the State of Mississippi. As used herein, "status verification system" means the Illegal Immigration Reform and Immigration Responsibility Act of 1996 that is operated by the United States Department of Homeland Security, also known as the E-Verify Program, or any other successor electronic verification system replacing the E-Verify Program. Architects/Contractors agree to maintain records of such compliance and, upon request of the owner, to provide a copy of each such verification to the owner. Architects/Contractors further represent and warrant that any person assigned to perform services hereunder meets the employment eligibility requirements of all immigration laws of the State of Mississippi. Architects/Contractors understand and agree that any breach of these warranties may subject Architects/Contractors to the following: (a) termination of this Agreement and ineligibility for any state or public contract in Mississippi for up to three (3) years, with notice of such cancellation/termination being made public, or (b) the loss of any license, permit, certification or other document granted to Contractor by an agency, department or governmental entity for the right to do business in Mississippi for up to one (1) year, or (c) BOTH. In the event of such termination/cancellation, Architects/Contractors would also be liable for any additional costs incurred by the owner due to contract cancellation or loss of license or permit.

3. The Architects/Contractors must warrant that they have no "conflict of interest" in administering contracts. The Architects/Contractors represent as a part of this proposal and any resulting contract that such entity has not retained any person or agency on a percentage, commission, or other contingent arrangement to secure this contract.

4. The Architects/Contractors must certify that neither they nor their principals: (a) are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or agency; (b) have, within a three (3) year period preceding this Agreement, been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state anti-trust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property; (c) are presently indicted of or otherwise criminally or civilly charged by a governmental entity

with the commission of fraud of a criminal offence in connection with obtaining, attempting to obtain or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state anti-trust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property, and (d) have, within a three (3) year period preceding this Agreement, had one or more public transaction (federal, state or local) terminated for cause or default.

Signature of Company Official



(SIGN AND RETURN WITH PROPOSAL)

Exhibit "D"
Criminal Background Investigation Certification

The undersigned does hereby certify to the Board of Trustees for the Forrest County Agricultural High School District ("District") as follows:

That I am a representative of Pivotal Engineering, LLC ("Architect" or "Contractor"), currently under contract ("Contract") with the District; that I am familiar with the facts herein certified and am authorized and qualified to execute this certificate on behalf of Architect/Contractor.

Architect (Contractor) certifies that all of its employees, as well as, employees of subcontractors, who may come into contact with students during the term of the contract with the District have had a criminal background check completed, as well as a child abuse registry check and none have been located on the child abuse registry nor have any employees been found guilty of any crime of violence, serious felony, or offense listed in the attached School Board Policy GBD.

A complete and accurate list of Architect's (Contractor's) employees and of all of its Subcontractors' employees who may come in contact with District pupils during the course and scope of the Contract is attached hereto.

Architect (Contractor) acknowledges that he has reviewed School Board Policy GBD of the Forrest County Agricultural High School District at www.forrestcountyahs.com.

Dated: 9/12/2021

ARCHITECT (CONTRACTOR)

By: Avinash Mehta, PE *A. Mehta*

Title: Principal In Charge

SWORN TO AND SUBSCRIBED BEFORE ME this the 13th day of September, 2021

[Signature]

KEANETH PROVERINA
NOTARY PUBLIC
My Commission Expires: 11/05/26
at death

NOTIFICATION OF CRIMINAL HISTORY

A person or business entity that enters into a contract with a School District in the State of Mississippi, must give advance notice to the District if the person or owner or operator of the business entity has been convicted of a felony. This notice will include any/all employees of the entity who have been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony.

The Forrest County Agricultural High School District may terminate a contract with a person or business entity if the District determines that the person or business entity failed to give notice as required.

Any party submitting a proposal should include with its proposal the following certification:

Certification

I, the undersigned agent for the firm named below, certifies that the information concerning notification of felony conviction/s has been reviewed by me and the following information furnished is true to the best of my knowledge.

Name of Individual or Company: Pivotal Engineering, LLC

Authorized Company Official's	Name	(print):
<u>Avinash Mehta, PE</u>		

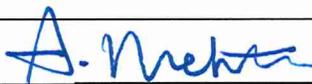
A. My firm is not owned or operated by anyone, nor employs anyone who has been convicted of a felony.

Signature of Company Official: 

B. My firm is owned or operated by the following individual(s) who has/have been convicted of a felony.

Name of Felon(s): _____

Details of Conviction(s): _____

Signature of Company Official 
(SIGN AND RETURN WITH PROPOSAL)



CITY OF SHREVEPORT

P.O. BOX 31109 SHREVEPORT, LA 71130 • 505 TRAVIS STREET SHREVEPORT, LA 71101
Website: www.shreveportla.gov

September 11, 2014

To Whom It May Concern:

Please allow this letter to serve as a letter of recommendation for Pivotal Engineering LLC. The City of Shreveport has enjoyed our association with this company and Tarek Elnaggar in particular.

Pivotal Engineering personnel have performed outstanding compliance and inspections service for the City of Shreveport for over 10 years. Pivotal is always available on short notice to assist with project needs. Pivotal has done an excellent job and has always responded very quickly to the City's needs with high quality work.

The City of Shreveport looks forward to continuing to work with Pivotal Engineering on future projects. Please feel free to call/email if you should have any questions about this company or their personnel.

Sincerely,

A handwritten signature in cursive script that reads "Muriel Reynolds".

Muriel Reynolds, Supervisor
City of Shreveport, Woolworth Road Landfill
Muriel.reynolds@shreveportla.gov
318-925-3500 phone
318-925-6949 fax



ST. JOHN

THE BAPTIST PARISH

Natalie Robottom
Parish President

Office of the Parish President

August 20, 2014

Kia C. Price,
Director
Purchasing & Procurement Department
St. John Parish Council
1801 West Airline Highway
LaPlace, LA 70068

Subject: Letter of Reference

To whom it may concern:

I have worked with Darius Cook of Pivotal Engineering on two projects for the St. John Parish Council in the past three years; the Minor Housing Repair Program and Canals Clearing and Grubbing Environmental Review. I can say that I was extremely please with him and his staff and was satisfied with the final products. The projects required matters to be address with extreme detail, and a constant presence by the Consultant. Mr. Cook and his staff worked diligently with the Contractors to meet contract deadlines, and meet and greet homeowners as the Parish liaison to address possible issues or concerns.

On behalf of St. John the Baptist, I recommend the services of Mr. Darius Cook to organizations that's in need of disaster response/recovery services. With the program being one of the largest of its kind, Mr. Cook and his staff confronted the challenge gracefully. They are highly experience at what they do and are an excellent partner to communities in need of rebounding from catastrophic events.

Should you have additional questions on Mr. Cook's performance, please contact me at 504-442-2760 or via e-mail @ m.alexisv@sjbparish.com. I would be happy to work with this group again and recommend them for other work.

Thank you,

Myra Alexis-Valentine,
St. John the Baptist Parish
Grants Administrator

August 22, 2014

Kia C. Price,
Director
Purchasing & Procurement Department
St. John Parish Council
1801 West Airline Highway
LaPlace, LA 70068

Subject: Letter of Reference

To whom it may concern:

I have worked with the Pivotal Engineering team on five separate projects over the past 7 years; Lusher Elementary Restroom Renovations, Ashe Cultural Arts Center Renovations , Tenant Improvements, Nunez Community College Fine Arts Center, and Good Work Network Project. I have had only good experiences with Bassam and the rest of the Pivotal staff. Several of these projects have had challenging schedules, specific project requirements, and/or multiple agency approvals, which requires a detail oriented and trustworthy consultant.

I would be happy to work with this group again and recommend them for other work.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R. Zabala', with a stylized flourish at the end.

Ray Zabala, AIA
Project Manager / Architect,
Concordia LLC



Entergy Services, Inc.
639 Loyola Avenue
P. O. Box 61000
Mail Unit L-ENT-5E
New Orleans, LA 70161-1000
Tel 504 576 6037

LA Environmental Support

September 15, 2014

Reference: Pivotal Engineering, LLC

Subject: Letter of Recommendation for Environmental Services

To Whom It May Concern:

I am writing to recommend Terry Elnaggar and his staff at Pivotal Engineering, LLC as a candidate for the execution of environmental services.

Mr. Elnaggar has assisted Entergy and its subsidiaries with environmental assessment, compliance testing, reporting and permitting associated with LAC 33:VII for over (20) twenty years in Louisiana. During his tenure as one of the principals at Pivotal Engineering, LLC he has done an excellent job providing timely and economically sensible deliverables to meet Entergy's regulatory needs with high quality work. Terry has an excellent relationship with the regulatory agencies ensuring that deliverables are compliant with their requirements.

Entergy looks forward to continuing to work with Pivotal Engineering, LLC. If you have any questions, or require additional information, please feel free to contact me at 504 576-6037 or by email at gvonbod@entergy.com.

Sincerely,


Gus M. VonBodungen
Entergy Services, Inc.

GVB.gvb



Find Licensee

Contact Us

Firm Details

Firm Name: Pivotal Engineering LLC

Address: 1515 Poydras St
Suite 1875
New Orleans LA 70112

County: Out Of State

Phone: 504-799-3653

License Type: Certificate of Authority (Engineering)

License Number: 25763

Expires on: 12/31/2021

Designated Licensee: Mr.Tarek Elnaggar (PE-14839)

State of Mississippi

BOARD OF CONTRACTORS

ACTIVE

PIVOTAL ENGINEERING, LLC
1515 POYDRAS ST. SUITE 1875
NEW ORLEANS, LA 70112

is duly registered and entitled to perform

- 1) BUILDING CONSTRUCTION
- 2) ELECTRICAL WORK
- 3) HAZARDOUS MAT. ABATEMENT & REMEDIATION

We have hereunto set our hand and caused the Seal of the Mississippi Board of Contractors to be affixed this 26 day of Sep., 2020

CERTIFICATE OF RESPONSIBILITY

No. 22921-MC

Expires Sep. 26, 2021

Joel A. Carroll

CHAIRMAN OF THE BOARD

