July 12th, 5:00 pm CST

Request for Technical Proposals

RTP # 2024-03

Transit Stops Inventory Improvement Program

RTA
Regional Transit Authority

pivotal
engineering
A Full Service MEP, Civil and Environmental Firm

AECOM

AIRWARE LLC.
AVIATION AND MANAGEMENT CONSULTANTS

PIVOTAL ENGINEERING, LLC
1515 POYDRAS STREET, SUITE 1150
NEW ORLEANS, LA, 70112
AVINASH MEHTA
AMEHTA@PIVOTALENG.COM
OFFICE: 504-799-3653
FAX: 504-799-3654

Table of Contents

Tab One

Project Understanding

Project Understanding

Pivotal Engineering takes great pride in being a quality engineering consultant for the New Orleans Regional Transit Authority (NORTA). Furthermore, we understand that NORTA plays a crucial role in enhancing access to economic opportunities, improving healthcare outcomes for historically marginalized communities and overall quality of life for residents and visitors of Orleans Parish. We understand that NORTA desires to enhance their asset management program with a systemwide inventory, assessment and capitol improvements program for their transit stations. Compliance with the Americans with Disabilities Act (ADA) is fundamental to the success of this program.

Pivotal has partnered with NORTA on previous projects of similar types and scope. Specifically, we have recently been awarded and are working to complete a construction project related to the improvement of 23 transit stop locations. Through this project, we have understood the needs of the NORTA to satisfy the ADA requirements for facility accessibility as well as both the associated site and design challenges. Pivotal was instrumental in addressing those site condition and design challenges in collaboration with NORTA project management.

Understanding of NORTA Deliverables

Pivotal understands the scope of this opportunity includes review of existing information, developing assessment tools, database development, geospatial data analysis, cost estimation of maintenance/replacement costs and management of the program for a duration of one (1) year. We understand and acknowledge the seven (7) the deliverables, as stated in the RFP document.

Understanding of Project Requirements

We understand that this opportunity presents a number of technical and logistical requirements. We've identified the following items as critical aspects to the project workflow:

- **Data systems and technology solutions**
  In this age of technology and digital connectivity, we understand the critical role that digital assets play in our industry. For this opportunity, we are committed to deploying a suite of digital tools for field data collection, cloud storage, real-time monitoring and long-term data inventory and management. We have a dedicated GIS group that will guide NORTA through every phase of data decision-making and implementation. Our local experts will be able to NORTA staff throughout the program.

- **Assessment requirements**
  Pivotal understands that NORTA has 1,950 active bus stops. Furthermore, we understand that the variation in topography across the City requires analysis of existing conditions to be meticulous with detailed consideration for the unique measurements, layout and conflicts found at each bus stop location. Pivotal has considerable experience in performing highly technical and large-scale assessment projects. We are committed to providing methodologies and assessment frameworks for ensuring that every detail of each bus stop is recorded and incorporated into the program development of ADA compliance and facility upgrades.

- **Understanding of ADA requirements**
  Making improvements to bus stops for ADA compliance requires thorough knowledge of the applicable regulations and codes. Additionally, practical experience is needed to ensure that all aspects of improvements (e.g., assessment, design considerations, const estimation, bidding, constructability and project close out) are fully and completely considered within the overall

program. There are many nuances to proper implementation of ADA compliance that can be overlooked or integrated incorrectly. Pivotal has a long-standing history with successful completion of infrastructure projects across our region that required significant ADA-compliant components and will ensure that NORTA receives the highest quality of technical product.

- **Understanding of site conditions, elevations and relationship to existing infrastructure.**
  Making improvements to urban infrastructure can be complex and require understanding of surface and subsurface obstacles. On any given city block, a bus stop could be surrounded by broken or heavily sloped sidewalks, large trees, utility poles, private properties (e.g., fencing, retaining walls) and barrier curbs. To take a bus stop location and make it ADA compliant requires in-depth understanding of what technical solutions are available and the most practical approaches for making the much-needed improvements. Pivotal has a long history of completing projects with both City of New Orleans and NORTA (as well as similar urban municipalities) and has the technical staff available to understand the constraints at each location. Furthermore, Pivotal's staff have the experience needed to provide sensible solutions for implementing ADA compliance and facility upgrades.

- **Impacts and conflicts with stakeholder assets (e.g., trees, sidewalks, utility poles)**
  When we look at infrastructure, there are many stakeholders who work tirelessly to ensure that their assets are protected and maintained. From the sides approaching the transit stops to the trees and vegetation around the stop and from the private properties and utility poles, every inch of ground around the facility is owned and managed by separately. Pivotal has a wealth of knowledge and experience with bringing all relevant stakeholders to the table to ensure that our projects have their complete buy in and factor in their priorities. At each phase of the program, Pivotal will identify opportunities to engage with stakeholders and provide NORTA with recommendations on pathways to resolve identified conflicts.

- **Program development and implementation phases**
  With the scope of this opportunity to include requirements for both facility assessment and program development, Pivotal stands uniquely positioned to deliver the correct results within the project constraints. We have a deep understanding of the engineering aspects, but also of the construction sequencing and phasing. We have successfully performed assessment, design and construction administration services for infrastructure programs across the city and are fully committed to applying our wealth of knowledge and expertise to this program. In line with Pivotal standards, all program recommendations will be performed having consideration of design, constructability and cost.

- **Funding opportunities**
  Pivotal Engineering understands that every project must consider the full life cycle of inputs and outputs. We understand that no projects can be completed without having the funds allocated. That is why we routinely provide grant management and close out services to our clients and have facilitated over $20M in funding over the past six (6) years. We understand the details required for grant application submissions, documentation needed for project monitoring and the nuances required during the project close out. We are committed to bringing our skills to this opportunity.

Tab Two

Experience

Experience

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. Similarly, through the hurricane Ida, Pivotal has been retained by City of New Orleans to provide emergency damage assessment for more than 416 government owned buildings, twenty five percent (25%) of city-wide street lights and traffic signs, and more than fifty (50) intersection traffic light systems.

We ask that you note the following projects similar specialized experience required under this RFQ:

Relevant Projects

(1) RTA Non-Advertisement Bus Shelter, New Orleans, LA

Pivotal was awarded by RTA for the installation of twenty-three (23) bus shelters. As of now thirteen (13) of these bus shelters are installed and completed. Pivotal engineers also identified a design issue on nineteen (19) of the bush shelter. That is the original design did not account the existing elevation which resulted a design that does not meet the ADA requirements. Pivotal engineers was instrumental in providing technical design changes and recommendations with an in depth understanding of all requirements and constraints at each location, in order to provide sensible solutions for implementing ADA compliance and facility upgrades.

(2) Disaster Recovery Post-Hurricane Ida Street Light and Traffic Sign Assessment Program, New Orleans, LA

Pivotal Engineering was one of four firms retained by City of New Orleans (CNO) to perform damage assessments for city-owned street lighting and traffic sign assets. Pivotal coordinated with the city to deploy their in-house enterprise GIS services.

Throughout the project, Pivotal used ArcGIS to monitor progress of field crews and to facilitate daily progress meetings. For the field data collection, ESRI Field Maps app was used.

(3) Disaster Recovery Post-Hurricane Ida Traffic Signal Construction Management, New Orleans, LA

Pivotal Engineering was retained by City of New Orleans to perform construction management and administration services for the repair of 48 critical traffic signal locations. Throughout the project, Pivotal maintained up-to-date, cloud-based resources for both electronic data file management and real-time data dashboards.

(4) City of New Orleans Hurricane Ida Emergency Status Damage Assessment Program, New Orleans, LA

Pivotal Engineering was retained by City of New Orleans to perform emergency status damage assessments and repair cost estimates for each of their 416 facilities. Facility types included administrative buildings, recreation centers, parks, playgrounds, life safety stations and other types. Pivotal developed a comprehensive, GIS-based logistical framework for efficient staff management and planning.

Pivotal was able to deploy drone imagery for additional inspection of roof and other inaccessible items. Progress was shared with the City daily via an email summary as well as a real-time, cloud-based data dashboard. Pivotal staff worked seven (7) days per week for six (6) weeks to complete the project.

(5) Drainage System Improvements – Districts A, B, C, D and E, New Orleans, LA

Pivotal Engineering is one of three firms retained by the City of New Orleans to perform drainage system improvements throughout the city. All the data collected was put into geospatial mappings of the city to visualize the target areas outlined per City Council district. Pivotal engineering is responsible for outlining all critical work areas in need of cleaning, and managing all incoming data for project tracking. This data is monitored daily for quality control and presented on a dashboard for data visualization. This project includes the cleaning of 700,000 linear feet of drain lines to be assessed and cleaned.

(6) JP Sewer Manhole Evaluation, Jefferson Parish, LA

Pivotal Engineering is retained by Jefferson Parish to provide professional engineering and consulting services for a Parish Wide Manhole Assessment and Lining Project. The scope of this project includes performing approximately 3,000 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. Pivotal will document the condition and recommend repairs if needed of the cover, frame, manhole walls, bench and trough.

(7) Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA

Pivotal Engineering is retained by Jefferson Parish to provide professional engineering and consulting services for a Parish Wide Manhole Assessment Project Phase 2. The scope of this project includes performing approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. Pivotal will document the condition and recommend repairs if needed of the cover, frame, manhole walls, bench and trough.

Tab Three

Project Team

Project Team

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 engineering, data collection, inspection, construction and managing a variety of complex projects from conception to construction.

See page 3-2 for the organization chart.

Project Management

The management team will be responsible for initiating, guiding, reviewing and implementing all phases of the project. They will be the direct point of contact with NORTA, and monitor all aspects of the project.

Traffic/Transportation Engineering

The engineering team will review the ADA and Transit Facility Design Guideline to develop the projects technical requirements and implementation plans. In addition, this team will be responsible to review and analyze each bus stop inspection data collected to propose the preliminary improvement scope to comply with ADA requirements. Pivotal engineers will provide technical solutions with an in depth understanding of all requirements and constraints at each location, in order to provide sensible solutions for implementing ADA compliance and facility upgrades.

GIS/DATA Management

The GIS/data management team will be responsible for managing all available datasets associated with the transit stops, including location (GIS) information, field map and existing stop information and condition. The data systems group will manage updates to the asset inventory database, including maintenance, amenities and building information. In addition, the team will identify the gaps in the RTA inventory and inventory management to recommend the state-of-the-art data base system based on GIS. The team will also deliver the data and information collected and train RTA personal with the database set-up, operation and maintenance.

Inspection and Data Collection

Inspectors will collect all necessary information for transit stop assessment in the field, and record it using a data collection application (GIS Field Maps). Inspectors will be trained specifically on the understanding of the bus stop data needed to assess ADA compliance. The information collected will be accompanied by uploaded photos of each but stop, along with sketches and measurements that will inform the engineers and estimators on the development of the improvement program development.

Cost Estimation and Funding Specialist

The cost estimation and funding specialist team will work with the engineers in reviewing transit stop to develop cost estimations for each location in need of updates to comply with ADA requirements. In addition, this team will identify federal, state and local funding sources to guide RTA on the resource need on securing funds.

pivotal engineering

Management

Avinash Mehta, PE
Principal-in-Charge

Yoseph Shifare, PE, PTOE, PMP
Project Director

Traffic & Transport Engineering

Yoseph Shifare, PE, PTOE, PMP
Sr. Civil Engineer
Tarek Elnaggar, PE
Sr. Civil Engineer
Eliot Guerin, PE
Civil Engineer
Javier Rondan Zambra, EI
Civil Engineer
Gavin Poindexter
Sr. Transport Planner
William Crowley
Bus Rapid Transit Design Manager
Daniel Helms
Senior Highway Safety and Traffic Engineer
Julia Suprock
Senior Transportation Planner
Louis Costa
Senior Planner
Thomas Hunter
Principal Transportation Planner

GIS/DATA Management

Bryan B. Smith, PE
Environmental Engineer /Data Manager
Elena LeBlanc*
Data Analyst

Inspection & Data Collection

Prabin Shrestha*
Bealu Shumbeza*
Richard Baudier*
James Seal*
Anthony St. Philip*
LaShawn Camese*
Edimo Bonanyaka*

Cost Estimation & Funding Specialist

Javier Rondan Zambra, EI
Civil Engineer / Sr. Estimator
Alvin Barrington
Budget Analyst /Funding Specialist
Delvin Howard
Funding Specialist

Pivotal assures that all individuals not listed in the pre-qualification application and identified on the current RTP will be performing the work and will not be substituted with other personnel or reassigned to another project without RTA's prior approval.

*Please note that these individuals were not listed in the pre-qualification application. They will perform the required work for their roles listed for the current RTP; see resumes attached under Tab 6.

Tab Four

Proposed Project Plan

Proposed Project Plan

Pivotal Engineering takes great pride in being a quality engineering consultant for the New Orleans Regional Transit Authority. Furthermore, we understand that NORTA plays a crucial role in enhancing access to economic opportunities, improving healthcare outcomes for historically marginalized communities and overall quality of life for residents and visitors of Orleans Parish. We understand that NORTA desires to enhance their asset management program with a systemwide inventory, assessment and capital improvements program for their transit stations. Compliance with the Americans with Disabilities Act (ADA) is fundamental to the success of this program.

Phase 0: Initialization

Under this phase, Pivotal proposed to ramp up the program framework by performed a detailed review of the transit stop inventory, existing data management systems, and all existing document (including the Transit Facilities Design Guidelines, as completed in 2015). Furthermore, Pivotal will develop a program wide implementation plan with milestones and timeline for completion. As this opportunity is focused heavily on bringing transit stops into ADA compliance, Pivotal will focus heavily on understanding existing deficiencies and ensuring that the transit stop inventory reflects the priorities.

Success completion requires adherence to a well-developed and organized schedule. As the project duration is one (1) year, Pivotal will ensure that the phasing of all work is organized in a manner that eliminates unnecessary critical path items and maximized logistical pathways for efficiency. In accordance with **Deliverable 1**, Pivotal will provide a detailed project plan with schedule that reflects the phases and milestones proposed.

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Phase 0 - Initialization												
Phase 1 - Inventory Development												
Phase 2 - Inventory Collection												
Phase 3 - Program Development												

As this is a critical asset management program opportunity, Pivotal has reviewed the scope of work in detail to fully grasp the desires of NORTA**. Pivotal is committed to developing a comprehensive implementation plan that includes all scope items and which uses state-of-the-art data management technology for seamless integration with existing platforms.** We see this opportunity as a prime moment to help NORTA improve their accessibility (through ADA compliance), asset management/condition assessment (through data collection and inventory) and comprehensive improvements.

For the first two months of the contract, emphasis will be placed on detailing the scope of work, cost and available resources (e.g., datasets, documents and software). Concurrent to the generating the project plan, we will work alongside NORTA staff to gain valuable insight into what technology solutions are desired and complete Phase 1. Once the project plan is finalized, we will begin the heavy lifting to perform transit stop assessments to complete Phase 2. As soon as Phases 0 and 1 are completed, we will seamlessly ramp up to Phase 3 activities. A high-level timeframe for completion of each phase is provided above.

Phase 1: Inventory Development

Pivotal understands that data management is crucial to the success of this program. **Any database solution will integrate and coordinate with the City's asset management platform.**

We have extensive project experience with management and updating large, citywide datasets. For this program, Pivotal will review all available datasets associated with the transit stops, including location (GIS) information, construction information and condition. We have performed preliminary data evaluation and import into our in-house GIS platform for review (see image of transit stops in GIS). Additionally, a field data collection application will be used for data collection in the field (See example screen shots from a typical app interface below).

Photo shows the transit stop locations, as provided in the RFP document and as digitized by Pivotal.

Under this phase, we will integrate our in-house data systems group to develop a geographic information systems (GIS) database for managing all data analytics, inspection status and cost estimations. The data systems group will manage updates to the asset inventory database, including maintenance, amenities and building information. Pending approval of NORTA staff, we will provide real-time data dashboards for progress monitoring as well as a data collection app for transit stop assessment purposes. We have seen wonderful success with implementing these solutions for large-scale, geospatially-distributed and data-driven projects.

Photo show transit stop locations, and provided in the RFP document and as uploaded in the ESRI Field Maps. This is a representation of the proposed data collection platform.

Prior to implementing any data solution, Pivotal will complete **Deliverable 2** and provide a technical memorandum that will detail our findings and recommendations. The technical memo will include data sources, system requirements, data structures and implementation requirements (including timeline to have the system online and integrated with existing systems). In line with **Deliverable 3**, Pivotal will provide staff support at every junction of system allocation and integration.

Phase 1 Summary

- Review NORTA datasets
- Review existing data systems and (with staff input) provide recommendations for data systems technology solutions
- Implement data systems technology solutions (for data storage, analytics and visualization) to be approved by NORTA staff prior to implementation)
- Implementation of data collection and progress monitoring tools (e.g., data collection app and data dashboard)
- Provide staff support for data system development and integration

Phase 2: Inventory Collection

As the condition of each transit stop should be assessed as well as the compliance with ADA, Pivotal will deploy field inspectors to survey each transit stop. At each location, information about the transit stops and associated assets will be recorded. Furthermore, each stop will be investigated for compliance with ADA. With extensive experience in infrastructure improvements, Pivotal has a strong background in upgrading existing infrastructure to comply with ADA requirements. Furthermore, Pivotal's experience with data collection and field assessment of infrastructure assets will allow our team to complete the work with efficiency and detailed quality.

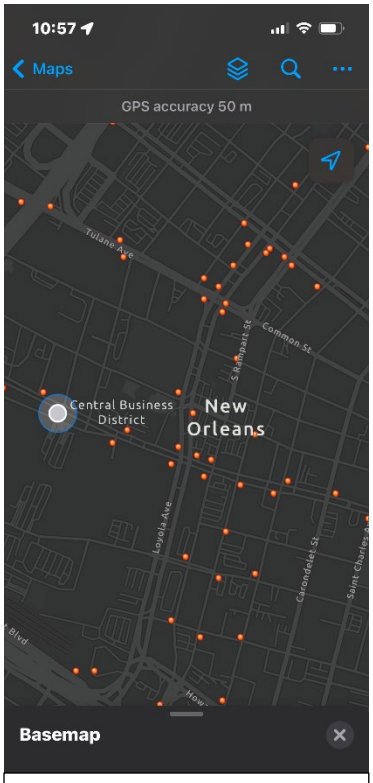
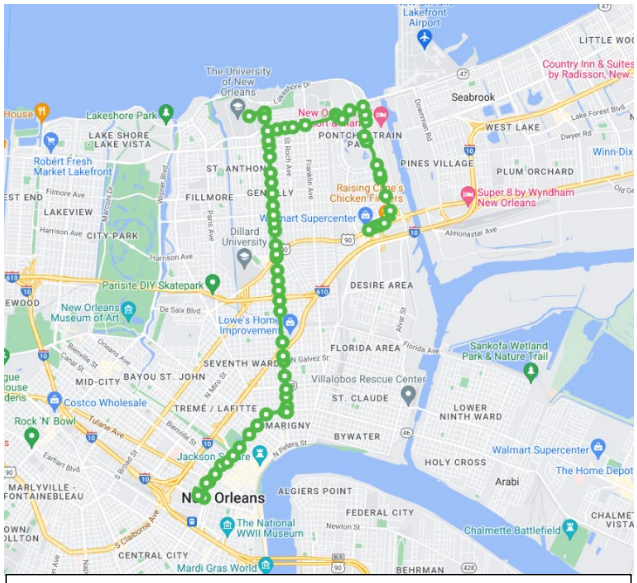


Photo show transit stop locations, and provided in the RFP document and as uploaded in the ESRI Field Maps. This is an example of a data collection app interface.

In addition to technical implementation of engineering and construction management principles for success project completion, Pivotal has adopted many software solutions for managing geospatial assets. For this opportunity, we will perform all data migration (including QA/QC) required to digitize the transit stop inventory. The dataset will be provided to NORTA in an approved format (e.g., ESRI shapefile or geodatabase). Throughout the data collection process, Pivotal staff will utilize an application for data collection. The use of a data collection app allows for real-time data transmission and storage as well as minimizes transcription time and errors. The app will allow for collection of measurements, unique qualifiers for each stop as well as photographs.

In addition to the app, Pivotal will generate field sketches of each transit stop location with required measurements. In accordance with **Deliverable 4**, Pivotal will utilize the database platform determined under **Deliverable 2** to collect, store and analyze the data. Furthermore, and in accordance with **Deliverable 5,** Pivotal will generate the maintenance plan for the transit stop inventory database. Pivotal will ensure that all assigned NORTA staff are brought up to speed on the technology, maintenance requirements and usability of the system.

As this opportunity requires the assessment of close to 2000 transit stops and as Pivotal strives for effcient use of time and resources, we will incorporate the existing bus routes to optimize the logistics of the field work. We have reivewed the 29 bus routes, as shown on the NORTA website and represented by the screen shot, and believe that we can save considerable time and resources by following these routes throughout the site assessment phase. Through this approach, we will capture all existing transit stops and identify locations that are not in the GIS database currently.



Screenshot from NORTA website showing a representative, existing bus route. Pivotal will incorporate bus routes into planning for site assessment field work.

Pivotal Engineering will put great emphasis on documenting the existing conditions at each transit stop location. We know that there are typical configurations and will ensure that the uniqueness of each type is documented. As an example, there are two stops shown for the intersection southern side of Mirabeau Avenue and Paris Avenue. The location on the northbound side has only a sign, whereas the southbound side has the sign accompanied by a shelter and waste receptacle.

For the facility location similar to the Paris/Mirabeau northbound location, typical inventory information that we will collect includes (but is not limited to):

- sidewalk and top of curb elevations,
- Configuration for potential bus pad layout (which will conflict with existing sidewalk) and solution for rerouting the sidewalk behind the bus pad layout,
- Proximity to utility assets (e.g., catch basin, power pole), right-of-way and type of curb

Photo shows transit stop at Mirabeau Ave and Paris Avenue (northbound).

For the facility location similar to the Paris/Mirabeau southbound location, typical inventory information that we will collect includes (but is not limited to):

- Type of shelter
- sidewalk and top of curb elevations,
- Configuration for potential bus pad layout (Is the existing layout sufficient or are revisions needed for ADA compliance?)
- Proximity to utility assets (e.g., catch basin, power pole), right-of-way and type of curb
- Amenities (e.g., waste receptacles, benches)

Photo shows transit stop at Mirabeau Ave and Paris Avenue (southbound).

Phase 2 Summary

- Using ESRI Field Maps
- Collection of site photos
- Sketches and field measurements
- Train NORTA staff for the maintenance of the inventory database
- Integration with existing database network systems

Phase 3: Program Development

To ensure all work is performed in accordance with NORTA standards, high priority will be given to update the facility design guidebook (**Deliverable 6**). Pivotal will review and revise the guidebook to include up-to-date ADA compliance requirements and all other pertinent construction and installation standards. All federal, state and local requirements will be included. As infrastructure improvements include contribution from Federal Highway Safety Council, LADOTD, City of New Orleans, Sewerage and Water Board of New Orleans, and Entergy will be considered. Additionally, utilities and right-of-way constraints will also be integrated.

Pivotal will ensure that this capital improvement program incorporates all the datasets collected from the data systems group and from the field inspections to mold the content into an actionable plan for construction. Furthermore, we will structure the facility improvement plan in a direction that outlines a realistic pathway for completion of all work by 2030. For replacement or improvement work, we will give priority to both notable and high traffic areas. This will ensure that the locations with the most pressing needs are met first.

The cost estimation and funding specialist team will work with the engineers in reviewing transit stop to develop cost estimations for each location in need of updates to comply with ADA requirements. Cost estimations will be developed using the RSMeans database, as well as internal datasets gathered from CNO projects, LADOTD, and Pivotal's internal construction estimations.

In addition, this team will identify federal, state and local funding sources to guide RTA to the resources needed to secure project funding. Funding sources will be identified and secured (as available). As a local consulting firm with years of experience in both infrastructure and program management, we will leverage our network and expertise to provide NORTA with options for grant submission and work alongside NORTA everyday to guarantee the best pathway for grant award.

We routinely develop scope of work packages with cost estimation and analyze the data to provide meaningful approaches to repair and improve the transit stops. Combining technical solutions and standardized methodologies with funding sources and practical phasing will ensure that the NORTA infrastructure improvements are completed within a reasonable timeframe and with minimal hurdles. Pivotal Engineering will implement a comprehensive facility improvement program (**Deliverable 7**) to accomplish all aspects needed for success program completion.

Phase 3 Summary

- Identify funding sources
- Analyze transit stop information
- Cost estimation for the improvements needed at each location
- Review and revise the facility design guidebook
- Implement practical project phasing

Tab Five

Cost Proposal

NORTA RTP 2024-02 - TRANSIT STOP INVENTORY						
COST PROPOSAL						
	Project Management	Engineering	GIS/Data Management	Inspection and Data Collection	Cost Estimation and Funding Specialist	Total Cost
Hourly Rate	$ 185.00	$ 165.00	$ 135.00	$ 70.00	$ 125.00	
	Level of Effort (Hours)					
Phase 0 - Initialization						
Deliverable 1 – Project implementation plan with schedule demonstrating the project approach.	16	90	40	8	8	$ 24,770.00
Phase 1 -Inventory Development						
Deliverable 2 – Technical Memo with recommendations for inventory fields (components) with data sources, and for the requirements, structure, design and implementation approach for the transit stops inventory database	16	60	120			$ 29,060.00
Deliverable 3 – Support set-up of staff-approved inventory database solution	16	16	120			$ 21,800.00
Phase 2 - Inventory Collection						
Deliverable 4 - Completed comprehensive update to transit stops inventory in the database platform determined in Deliverable 2.	40	180	240	1500	40	$ 179,500.00
Deliverable 5 – Maintenance plan for the transit stops inventory database.	16	20	64			$ 14,900.00
Phase 3 -Program Development						
Deliverable 6 – Recommended updates to RTA's Transit Facility Design Guidelines (see Attachment 2) including but not limited to standard pole and bracket type.	40	240	60			$ 55,100.00
Deliverable 7 – Develop capital program, with cost estimates, funding sources, and phasing for achieving ADA compliance at all active bus stops by 2030.	40	320	60		800	$ 168,300.00
Total Hours	184	926	704	1508	848	
					Total Proposed Cost	$ 493,430.00

NOTE:
The above shown billing rates and total hours are for Pivotal Engineering (prime), and including Sub-contractors (AECOM and Airware LLC)
Pivotal would allocate 20-35% to the sub-contractors for the services on Engineering and Cost Estimate/Funding Specialist.

Tab Six

Attached Resumes

Prabin Shrestha

Civil Designer/Inspector

Years of Experience

With Current Firm: <1

Total: 3

Education

Himalaya College of Engineering (Lalitpur) Bachelors in Civil Engineering 2019, Tribhuwan University

Professional Associations

Himalaya College of Engineering

Rural Water Supply Design

2015

Health Research and Social Development Forum (HERD)

Detail Damage Assessment and Household Data Collection

2016

UNESCO

Lime Mortar good practice

2018

Smart CAD Academy

Structural Design and Analysis of RCC Building

2019

Skills

Autodesk AutoCAD, MS Office package, Computer and Structure (SAP 2000 & ETABS), Road Software (SW Road & Smart Road)

Professional Qualifications

A Licensed civil engineer with 3+ years of experience and a registered member of Nepal Engineering Council. Redg. No. 21521 Civil "A"

Prabin Shrestha serves as a civil designer and inspector for Pivotal Engineering.

JP Sewer Manhole Evaluation, Jefferson Parish, LA

Mr. Shrestha served as a data collection inspector for this project which had an approximately 3,000 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. During the repair of these manholes, similarly he served as an inspector to document the quality of work done and quantities. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 90% complete on the construction.

Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA

Mr. Shrestha served as a data collection inspector for the Phase 2 of the project which had an approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 50% complete on the initial data collection/assessment.

Other Experience

Department of Archaeology (Kathmandu) - Civil Engineer

Preparation of cost estimates, Site measurement works, abiding and supervision of the cultural heritage sites and monuments damaged by 2015 Earthquake.

Tundi Construction Pvt.Ltd (lalitpur) - Civil Engineer

Preparation of Bill of Quantity, Civil construction and MEP system supervision, preparation of Interim payment certificate, awarding contracts for petty contractor and preparation-built drawings.

responsible for technical office that include engineering/ technical documentation based on contract of construction.

Elena LeBlanc

Data Analyst

Years of Experience

With Current Firm: 3

Total: 3

Education

B.S. / 2019 / Industrial Engineering

Professional Associations

Louisiana / Lean & Six Sigma Green Belt / 2018

Professional Qualifications

Ms. LeBlanc serves as a data analyst and quality control specialist at Pivotal Engineering, LLC in support of projects across all departments. She has experience in data collection, data management, large-scale disaster recovery, project planning & development, lean & six sigma, and community outreach. Ms. LeBlanc has organized incoming data while providing QA/QC that positively impacted project success.

Drainage System Improvements – City of New Orleans, LA

Pivotal Engineering was retained by the City of New Orleans to manage the data collection and management of city-wide drainage system improvements. Ms. LeBlanc developed the data dashboard providing real-time updates of the project, as well as maintains daily QA/QC of drain lines and catch basin updates.

City of New Orleans Hurricane Ida Emergency Status Damage Assessments; New Orleans, LA

In the wake of Hurricane Ida (August 2021), Pivotal Engineering was retained by City of New Orleans to perform emergency status damage assessments and repair cost estimates for each of their 416 facilities. Facility types included administrative buildings, recreation centers, parks, playgrounds, life safety stations and other types. Pivotal developed a comprehensive, GIS-based logistical framework for efficient staff management and planning. Due to the constant communication with the teams and client, Pivotal was able to make changes to priority locations within the day. Pivotal used a team of dedicated cost estimators to perform all cost estimates, based on the RSMeans database. Pivotal was able to deploy drone imagery for additional inspection of roof and other inaccessible items. Progress was shared with the City daily via an email summary as well as a real-time, cloud-based data dashboard. Pivotal staff worked seven (7) days per week for six (6) weeks to complete the project.

Ms. LeBlanc managed incoming assessment data, tracking the statuses of over 400 facility assessments, coordinating with field assessment teams and report reviewers. She developed a data dashboard of key performance indicators and metrics, used for clear data visualization. She assisted in the QA/QC of cost estimates and final reports, ensuring deliverables of the project were compiled and ready for submission.

Elena LeBlanc

Data Analyst

Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA

Ms. LeBlanc served as a data analyst for the Phase 2 of the project which had an approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 50% complete on the initial data collection/assessment.

Disaster Recovery Post-Hurricane Ida Traffic Signal Construction Management; New Orleans, LA

Ms. LeBlanc tracked the statuses of over 50 intersections throughout New Orleans, managing data of material quantities and compiling daily and weekly reports submitted to the city. She built out the real-time dashboard, used for clear data visualization. Ms. LeBlanc also tracked material costs in conjunction with the project budget.

Disaster Recovery Post-Hurricane Ida Street Light and Traffic Sign Assessment; New Orleans, LA

Ms. LeBlanc assisted with the data tracking of street light/traffic sign assessments. She participated in the QA/QC of assessments, and documentation of the final report.

Richard A. Baudier

Inspector

Years of Experience

With Current Firm: 2

Total:40+

Education

Associates degree in electronic engineering technology | May 1990

Professional Associations

Nationally certified Bridge Inspector by the Federal Government (Certification# 80-001)

Supervisory committee member for the South Louisiana Highway Federal Credit Union

Professional Qualifications

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.

14th St. Drainage Improvements

Mr. Baudier serves as an Inspector on this project. He acted as one of Pivotal's inspectors, providing on-site oversite and drafting daily reports of the project's daily quantities. The project construction scope includes installation of 48" drainage pipe in Jefferson Parish on 14th Street (Avenue D Canal to Avenue B). The project also included water and sewer pipe relocation and asphalt pavement reconstruction.

Wright Road Improvements; New Orleans, LA

Mr. Baudier serves as an Inspector on this project. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the construction of a remove and replace roadway, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities as well.

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

Mr. Baudier serves as a construction inspector for this project. He acted as one of Pivotal's inspectors, providing on-site oversite and drafting daily reports of the project's daily quantities. 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. This project was federally funded.

Richard A. Baudier

Inspector

LDOTD; Bridge City, LA

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

Anthony St. Philip

Inspector

Years of Experience

With Current Firm: 1.5

Total: 30+

Education

SOUTHEASTERN LOUISIANA UNIVERSITY - Bachelor's Degree Industrial Management Technology

Professional Qualifications

Anthony St. Philip is an inspector with experience in various utility projects, asphalt and concrete road construction, roadway renovation, water plants, sewer plants, box culverts, and Port of New Orleans Wharf Inspections. He is an experienced Senior Resident Inspector with a demonstrated history of working in the civil engineering industry. Skilled in Construction, Organization Skills, Management, Problem Solving and Project Management. Strong professional with a Bachelor's degree focused in Industrial Management Technology from Southeastern Louisiana University.

RR215 Dillard Group A and B; New Orleans, LA

Mr. St. Philip serves as an inspector on this project. Pivotal is retained by City of New Orleans to provide Resident Inspection Service for full roadway reconstruction project including subsurface improvements (drainage, sewer and water line improvement). The project entails roadway rehabs to 170 blocks (51,000 ft) in Dillard Neighborhood. 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. The project also included coordinating with the design engineering firm, contractor and utility companies in conformance to the construction documents for the project.

Smith & Toulouse Lift Station Upgrades; Jefferson Parish, LA

Mr. St. Philip serves as an inspector on this project. Pivotal is retained by Jefferson Parish to provide inspection services for construction of the H6-5 Smith & Toulouse Lift Station Upgrades. The project includes abandoning existing dry well and pump-out structure, retrofit existing wet well to serve as a manhole, and install new lift station including NEMA pumps, electrical, and controls required for the construction of the station. The new station required a new 8’ fiberglass wet well and valve pit.

Wright Road Improvements; New Orleans, LA

Mr. St. Philip serves as an inspector on this project. Pivotal personnel were retained by the City of New Orleans for the design of Wright Road located in New Orleans East. The project entailed the construction of a remove and replace roadway, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities as well.

Anthony St. Philip

Inspector

Resident Project Representative; Design Engineering, Inc.

Resident Project Representative on Lakeshore Drive Improvements Seawall Area Erosion Control Project, Reach 3A

Various Street Reconstruction Projects Milneburg Orleans Parish,

Wharf Inspection of Nashville Avenue Wharf – Port of New Orleans

Magazine Street Reconstruction Leake Avenue to East Drive

SENIOR RESIDENT PROJECT REPRESENTATIVE; Linfield, Hunter & Junius, Inc.

Addition and Renovation Kenner Wastewater Treatment Plant, Kenner, Louisiana

Raising with Asphalt Overlay Lake Hermitage Gravel Road (5 Miles) Plaquemines Parish, LA,

Gravity Sewer System and Force Main Extension, Jesuit Bend, LA,

Belle Chasse Water Plant Addition with New Service Pumps and Wet Well, and Reservoir

- Prepare through daily inspection reports to the RE. Maintain detailed records of work performed including equipment, manpower, visitors, weather, site conditions, work accomplished in accordance with the Contract Documents, review monthly payment requests and measurements of completed work
- Maintain records of materials tests performed and executed works
- Where site problems are found, work with the RE to resolve promptly
- Co-ordinate and co-operate with client and/or project manager during their site inspections in the presence of the RE
- Monitor the start-up, commissioning and handover of the site works. Maintain records of the project milestones
- Follow up and implement any site instructions made by the RE
- Understand Contract Documents including Drawings, Specifications, Contracts and provide technical assistance
- Build relationships, create teamwork within the company and the project team
- Provide effective communication regarding issues, objectives, initiatives in performance & compliance to Plans and Specifications

Bealu Shumbeza

Inspector

Years of Experience

With Current Firm: 2

Total: 8

Education

B.S. in Civil Engineering – Addis Ababa University, 2013

Professional Associations

Certified Flagger

Professional Qualifications

Mr. Shumbeza has over seven (7) years of engineering and construction experience with a track record of detail-oriented inspection documentation and quality assurance. As Field Technician Manager, Mr. Shumbeza has overseen the installation and testing of various concrete foundations, soils and earthwork in varying size of projects. He has a strong working knowledge of construction methodologies, including best practices for the installation of roadways, subsurface utilities (e.g., water line, drain line, sewer line) and green infrastructure systems.

JP Sewer Manhole Evaluation, Jefferson Parish, LA

Mr. Shumbeza served as a data collection inspector for this project which had an approximately 3,000 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. During the repair of these manholes, similarly he served as an inspector to document the quality of work done and quantities. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 90% complete on the construction.

Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA

Mr. Shumbeza served as a data collection inspector for the Phase 2 of the project which had an approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 50% complete on the initial data collection/assessment.

Emergency Traffic Signal Repairs Construction Mgmt. & Monitoring - New Orleans, LA

Mr. Shumbeza served as a construction inspector for this project. He acted as one of Pivotal's inspectors, providing on-site oversite and drafting daily reports of the project's daily quantities. Pivotal was retained by the City of New Orleans to provide emergency traffic signal repair construction management & monitoring services needed throughout the city as a result of Hurricane Ida. Over 50, critical traffic signals required emergency repair.

Bealu Shumbeza

Inspector

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

Mr. Shumbeza served as a construction inspector for this project. He acted as one of Pivotal's inspectors, providing on-site oversite and drafting daily reports of the project's daily quantities. 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. This project was federally funded.

Pritchard Rd Extension; Jefferson Parish, LA

Mr. Shumbeza serves as an inspector for this project. Pivotal Engineering is retained by Jefferson Parish to design roadway reconstruction and extension of Pritchard Road. The project scope includes the following: (1) Removal and replacement of existing 20 ft wide concrete roadway with 26 ft wide roadway and extend 130 ft to connect Pritchard Road to Sprig Street. (2) Removal and replacement of existing drainage piping. The design of drainage pipe networks is completed for a 10 years storm period using LADOTD drainage software. (3) Relocation of existing street side ditch with a new ditch and box culvert. Drainage ditch, box culvert and junction box designed for 10 years storm period. (4) Offset existing 10" and 18" SFM both vertically and horizontally.

Edimo Bonanyaka

Inspector

Years of Experience

With Current Firm: 1

Total: 5

Education

Bachelor of Science (B.S.) in Civil Engineering

Weifang University, China

Professional Associations

Skills

AutoCAD

Load Calculation

Reinforced concrete

Soil mechanics

Structural analysis

Microsoft Office

Surveying techniques

Construction materials

Steel design

Professional Qualifications

Edimo Bonanyaka serves as a data collection inspector for Pivotal Engineering.

JP Sewer Manhole Evaluation, Jefferson Parish, LA

Mr. Bonanyaka served as a data collection inspector for this project which had an approximately 3,000 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. During the repair of these manholes, similarly he served as an inspector to document the quality of work done and quantities. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 90% complete on the construction.

Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA

Mr. Bonanyaka served as a data collection inspector for the Phase 2 of the project which had an approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 50% complete on the initial data collection/assessment.

Store Manager - iStars Wireless, New Orleans

- Provided leadership and motivation to team members to increase productivity and efficiency within the store
- Solved problems and resolved conflicts for team members and customers
- Managed inventory levels by ordering stock as needed, tracking sales trends, and adjusting orders accordingly
- Coordinated employee schedules according to availability and made staffing adjustments to cover shifts
- Developed and implemented a customer service program to ensure consistent, high-quality service throughout the store.

James Seal

Construction Project Manager

Years of Experience

With Current Firm: 2

Total: 20+

Education

Professional Associations

Certified Flagger

Professional Qualifications

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.

Wright Road Improvements; New Orleans, LA

Mr. Seal served as construction inspector for this project. Pivotal personnel were retained by the City of New Orleans for the design of

Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals and oversee contractor compliance.

Village De L'EST Group B; New Orleans, LA

Mr. Seal served as construction inspector for this project. This project entailed restoration of sidewalks, ADA ramps and roadway, approximately 10,000 linear feet.

SWBNO Retrofit generator fuel storage tanks; New Orleans, LA

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.

James Seal

Construction Project Manager

Years of Experience

With Current Firm: 2

Total: 20+

Education

Professional Associations

Certified Flagger

Professional Qualifications

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.

Wright Road Improvements; New Orleans, LA

Mr. Seal served as construction inspector for this project. Pivotal personnel were retained by the City of New Orleans for the design of

Wright Road located in New Orleans East. The project entailed the design of a new roadway section, subsurface sewer, water and drainage facilities, the relocation of conflicting utilities, as well as the development of specifications and construction oversight. Pivotal engineering staff has also been required to provide public coordination, agency approvals and oversee contractor compliance.

Village De L'EST Group B; New Orleans, LA

Mr. Seal served as construction inspector for this project. This project entailed restoration of sidewalks, ADA ramps and roadway, approximately 10,000 linear feet.

SWBNO Retrofit generator fuel storage tanks; New Orleans, LA

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.

LaShawn Camese

Civil Engineering Inspector

Years of Experience

With Current Firm: <1

Total: 10

Education

Delgado Community College | New Orleans, LA.

Professional Associations

N/A

Skills

Technical Skills: Microsoft Office Suite (Word, Excel, PowerPoint), Additional Skills: Budget

Analysis/Cost Control, Reporting, Time Management, Strong Written and Interpersonal Skills

Certifications: Louisiana Department of Health Water Distribution 3 (WD3)

Transportation Worker Identification Credential (TWIC)

Professional Qualifications

Civil Engineering professional with a proven track record of successful planning and execution of Public Works projects. Proficient in cost analysis/budgeting, scheduling, project design/management, inspections, reporting, training, and horizontal construction. Goal oriented and flexible leader with a knack for solving complex problems.

JP Sewer Manhole Evaluation, Jefferson Parish, LA

Mr. Camese served as a data collection inspector for this project which had an approximately 3,000 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. During the repair of these manholes, similarly he served as an inspector to document the quality of work done and quantities. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 90% complete on the construction.

Parish Wide Manhole Assessment Project Phase 2, Jefferson Parish, LA

Mr. Camese served as a data collection inspector for the Phase 2 of the project which had an approximately 3,125 manhole structural integrity and inflow and infiltration surveys to determine manhole candidates for repairs and/or lining. He also documented the condition and recommend repairs needed of the cover, frame, manhole walls, bench and trough. All inspection data was inputted to GIS online using GIS Filed Maps. This project is ongoing and it is 50% complete on the initial data collection/assessment.

Jefferson Parish Engineering Department | Engineering Inspector III

Performed advanced and skilled inspections of construction and maintenance projects; ensuring adherence to established engineering regulations and guidelines.

- Created estimates of repairs and materials cost per maintenance project.
- Inspected workmanship and quantity of materials used on maintenance/repair project to ensure work remained within project specifications.
- Consulted with Independent Contractors to establish workflow alignment for timely achievement of project goals.
- Interpreted drawings and layout specifications.

LaShawn Camese

Civil Engineering Inspector

Jefferson Parish Water Department | Public Works Project Coordinator

Oversee the JPWD Biennial Point Repair contract for the Eastbank, Westbank, and Grand Isle: utilizing planning, task prioritization, and relationship building to achieve success.

- Manage a budget of $22.5 million dollars, using cost analysis, resource analysis, and forecasting to ensure the project is cost effective.
- Negotiate contracts and approve payments for all contractors (approx. $15 million per year).
- Conduct daily work order reports, detailing payable line items.
- Facilitate trainings for Engineering Inspectors on pipe repairs and restoration verifications.
- Communicate with homeowners and community stakeholders regarding water line repairs and/or closures; managing any technical, functional, or scheduling risks.
- Supervise Engineering Inspector III and a team of independent contractors, utilizing clear communication to convey project deliverables, timelines, and resolve any conflicts.
- Draw and utilize ASBUILT maps based upon changes performed within distribution system; disseminate maps to Operators and Engineering Departments.
- Conduct frequent site visits to ensure new waterlines under Point Repair are pressure tested and chlorinated; obtaining a sample to return to Water Department Bacti Lab.