

# Statement of Qualifications

## West Bank WWTPs Tank Rehabilitation

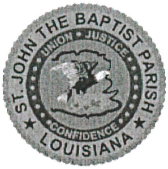
St. John the Baptist Parish  
RFQ-2016-03

Submitted By:



PRINCIPAL *Infrastructure*<sup>TM</sup>

Architecture ♦ Engineering ♦ Construction



ST. JOHN THE BAPTIST PARISH  
PURCHASING & PROCUREMENT DEPARTMENT  
1801 W. Airline Highway  
LaPlace, LA 70068

Qualifications No. RFQ – 2016-03

Closing Date: November 10, 2016 at 2:45 p.m. C.S.T.

REQUEST FOR QUALIFICATIONS (RFQ)

Subject: **West Bank WWTPs Tank Rehabilitation**

Company Principal Engineering, Inc.  
Federal Tax I.D. No. 20-1028239  
Street Address 1011 N. Causeway Blvd, Ste. 19  
City Mandeville  
State LA Zip Code 70471  
Telephone: 985.624.5001 Fax 985.624.5303

Name Henry I. DiFranco, Jr.  
[PRINT OR TYPE]  
Signature\* Henry I. DiFranco, Jr.  
Title President  
Date 11/9/2016  
E-Mail henry@pi-qcc.com

***\*Authorized Signature: The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to the terms of this agreement***

FOR CONSIDERATION AS A RESPONSIVE SUBMITTAL, THE FOLLOWING IS REQUIRED:

- 1) All information on this Request for Qualifications cover page must be completed.
- 2) This cover page must be signed with an original signature.
- 3) Submittals are due on or before the exact closing date and time. Submittals received after the exact closing date and time will NOT be considered. If hand delivering, please allow enough time for travel and parking to submit by the closing date and time.



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1011 N Causeway Blvd, Suite 19 ♦ Mandeville, Louisiana 70471 ♦ Phone: 985.624.5001 ♦ Fax: 985.624.5303

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November 10, 2016

St. John the Baptist Parish  
Purchasing & Procurement Department  
1801 W. Airline Highway  
LaPlace, LA 70068

Re: St. John the Baptist Parish - RFQ No. 2016-03  
West Bank WWTPs Tank Rehabilitation

To Whom It May Concern,

PRINCIPAL Engineering, Inc. is please to submit our Statement of Qualifications for RFQ-2016-03 West Bank WWTPs Tank Rehabilitation for St. John the Baptist Parish. Enclosed please find one (1) electronic copy of PRINCIPAL Engineering's Standard Form SJB-1000. Affidavits in accordance with the requirements of St. John the Baptist Parish are included with the Standard Form SJB-100.

We are a federal verified Service-Disabled Veteran Owned Small Business (**SDVOSB**) concern with an exceptionally qualified team of professionals capable of providing consulting engineering design services for public utilities and facilities infrastructure improvement projects. **We have direct successful experience rehabilitating ground and elevated water tanks in St. John the Baptist Parish.**

We look forward to the opportunity to assist St. John the Baptist Parish with improving the public infrastructure under their jurisdiction. If you have any questions or require additional information please contact me at the number below.

Sincerely,  
**PRINCIPAL Engineering, Inc.**

Henry I. DiFranco, Jr., P.E.  
President

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**PRINCIPAL Infrastructure<sup>TM</sup>**

Architecture ♦ Engineering ♦ Construction


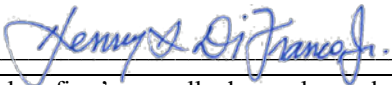
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[www.pi-aec.com](http://www.pi-aec.com) ♦ [info@pi-aec.com](mailto:info@pi-aec.com)

# STANDARD FORM: SJB-1000

## Professional Engineering and Related Services

(10/2010)

1. Project title <b>West Bank WWTPs Tank Rehabilitation</b>	2. Project number <b>RFQ-2016-03</b>																		
3a. Firm (as registered with the Louisiana Secretary of State) and mailing address of the office to perform work  <div style="text-align: center;">  </div> <div style="text-align: center; margin-top: 10px;"> <b>1011 N. Causeway Blvd., Suite 19</b>  <b>Mandeville, LA 70471</b> </div>	3b. Name, title, telephone number, and e-mail address of the official with <b>signing authority</b> for this contract <b>Henry DiFranco, Jr., P.E., President</b> <b>Tel: (985) 624-5001</b> <b>E-mail: henry@pi-aec.com</b>																		
3d. I certify that the following information is accurate and complete to the best of my knowledge (must be same person as 3b):  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 60%;">           Signature: <u></u> </div> <div style="width: 35%;">           Date: <u>11/10/2016</u> </div> </div>	3c. Name, Title, telephone number, e-mail address and registration number of full-time LA licensed engineer in responsible charge of the project (not required for non-engineering projects) <b>Henry DiFranco, Jr., P.E., President</b> <b>Tel: (985) 624-5001</b> <b>E-mail: henry@pi-aec.com</b> <b>LA License No: 27448</b>																		
4. Full-time personnel on firm's payroll who are located at the primary work location identified in 3a above: <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">a. Civil Engineers, with current Louisiana P.E. registration</td> <td style="width: 20%; text-align: right;">5</td> </tr> <tr> <td>b. Environmental Engineers, with current Louisiana P.E. registration (not included in 4a)</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>c. Structural, Electrical &amp; Mechanical Engineers with current Louisiana P.E. registration</td> <td style="text-align: right;">1</td> </tr> <tr> <td>d. Engineers In Training, with current Louisiana E.I. registration</td> <td style="text-align: right;">1</td> </tr> <tr> <td>e. Designers/Draftsmen</td> <td style="text-align: right;">2</td> </tr> <tr> <td>f. Architects, with current Louisiana registration</td> <td style="text-align: right;">1</td> </tr> <tr> <td>g. Real Estate Professionals (Agents and Certified Appraisers)</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>h. Other personnel not included in above categories</td> <td style="text-align: right;">5</td> </tr> <tr> <td><b>Total personnel at primary work location (sum of a – h)</b></td> <td style="text-align: right;"><b>14</b></td> </tr> </table>		a. Civil Engineers, with current Louisiana P.E. registration	5	b. Environmental Engineers, with current Louisiana P.E. registration (not included in 4a)	_____	c. Structural, Electrical & Mechanical Engineers with current Louisiana P.E. registration	1	d. Engineers In Training, with current Louisiana E.I. registration	1	e. Designers/Draftsmen	2	f. Architects, with current Louisiana registration	1	g. Real Estate Professionals (Agents and Certified Appraisers)	_____	h. Other personnel not included in above categories	5	<b>Total personnel at primary work location (sum of a – h)</b>	<b>14</b>
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6. Do you presently have sufficient staff to perform these services in the designated time frame? **Yes**

7. Identify the element of work (as defined in the advertisement), and the % of the element to be performed by the firm.

## **PROJECT ELEMENTS:**

### **1. Evaluation & Design Phase:**

- **Principal Engineering, Inc. - 100% of this element.** Principal will perform all project planning, evaluation and engineering and/or architectural design elements including the preparation of plans and specifications and contract documents. This includes all Public Works (Roads & Bridges), Public Utilities (Water & Sewer), Public Facilities (Architectural, Electrical & Mechanical) and Coastal Restoration & Protection projects. During the planning phase of the project, Principal will work closely with SJBP personnel to ensure the selected preparation and coatings selected meets all objectives, is within the established budget and can be accomplished within the Parish's implementation schedule. Conceptual designs and cost estimates will be developed and approved by the Parish prior to moving into the preliminary design phase of the project. Principal is also very familiar with the SJBP infrastructure and engineering contract and fee determination process.

### **2. Bidding Phase:**

- **Principal Engineering, Inc. – 100% of this element.** Principal will provide final drawings, specifications, and contract bid documents. Principal will supervise the bidding process and attend pre-bid, bid opening and pre-construction conferences as required. Principal will also review all contractor bid documents for compliance and ensure low bid is balanced. Principal will make a recommendation for award and prepare the construction contract for SJBP execution.

### **3. Construction Phase:**

- **Principal Engineering, Inc. – 100% of this element.** Principal will provide the required personnel to provide construction and contract administration to insure quality control and quality assurance are met during construction. If requested, Principal will provide an on-site resident project representative to ensure compliance with the design, specification and coatings testing requirements. Principal will work with the Parish's selected materials testing firm and coordinate all scheduled visits and on-site testing and inspection.

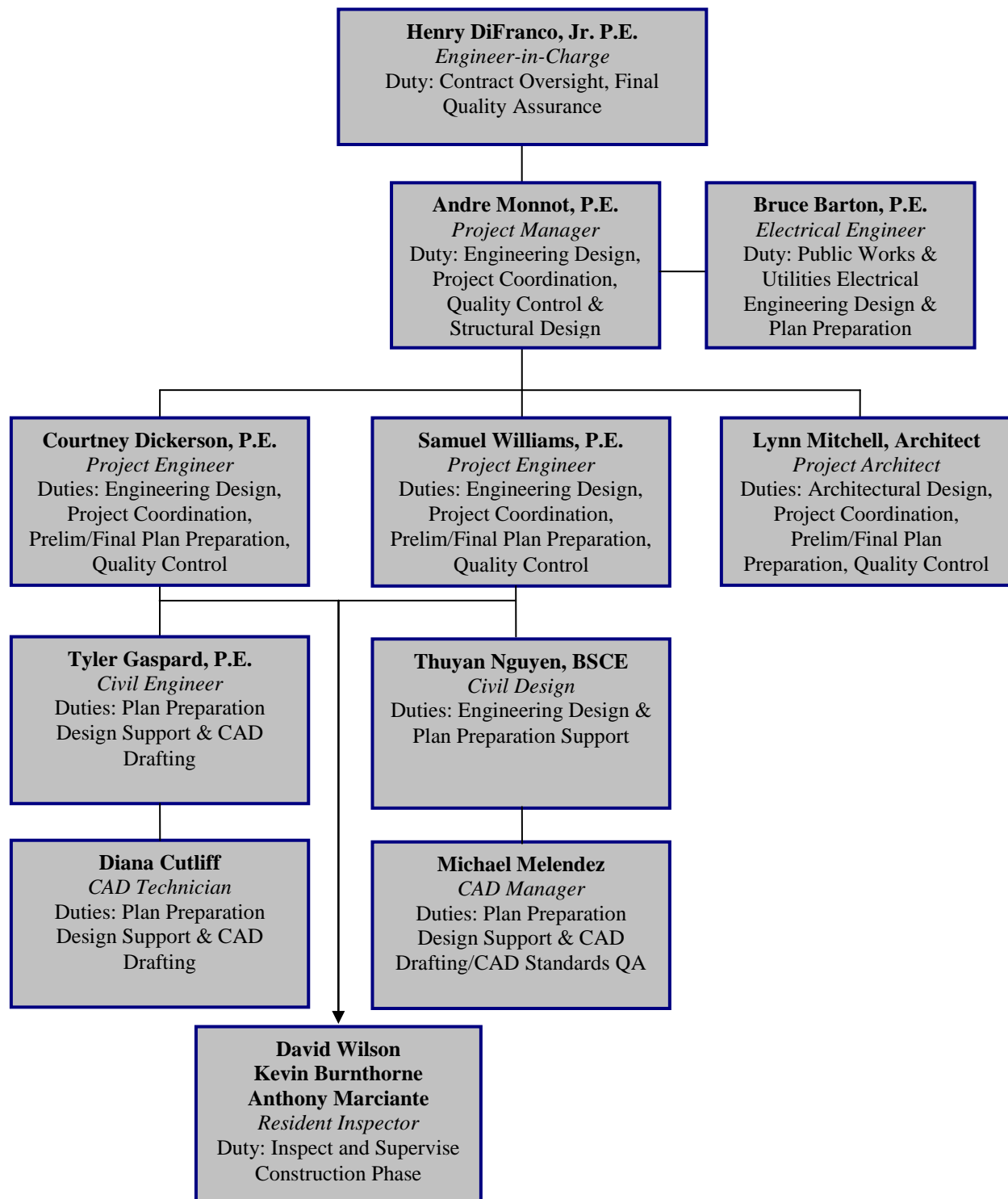
8. Do you intend to use a sub-consultant(s)?    ☐ yes    ☒ no

(For use by the Prime Consultant only)

All sub-consultants/associates listed for this project must attach a signed Form SJB-1000

Name and address	Identify the element of work (as defined in the advertisement), and the % of the element to be performed by the sub-consultant	Worked with prime before? (Yes/No)
1. Sub-Consultants are not expected to be utilized for this project.		
2.		
3.		
4.		
5.		

9. Staffing Plan – A Diagram showing all personnel specifically assigned to each work element of the project, their duties, and immediate supervisors. The Staffing Plan should also include the same information for Sub-consultants (if applicable).



## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Henry I. DiFranco, Jr., P.E.**

President

Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 13 With other firms: 12

### d. Education: Degree(s) / Years / Specialization

**Bachelor of Science in Civil Engineering (BSCE), 1991**  
**Master of Business Administration (MBA), 1998**

### e. Active registration:

Year registered: 1997

Branch: Civil State: LA

License No.: 27448

### f. Project Roles/Responsibilities (Brief Description)

**Engineer in Charge: Contract Oversight, Final Quality Assurance**

g. Experience and qualifications **relevant to the proposed project**; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Mr. DiFranco has extensive experience in Public Works engineering serving as the Director of Public Works & Utilities for St. John Parish and holding numerous positions as a public works engineer and consulting engineer over his 20-year career. As a consulting engineer through Principal Engineering, he is currently serving as the City Engineer for the City of Mandeville—the Senior Manager for design and construction of capital improvement projects, the maintenance projects, and planning the future program for the City’s water, sewer, street, and drainage infrastructure.

He has been responsible for numerous water distribution and treatment improvement projects and programs. He planned and managed a parish-wide water system mapping and modeling program in St. John Parish to identify system needs. He was instrumental in analyzing the existing conditions model to develop a list of recommended alternatives to address system needs. As a result of this effort, the Parish Government approved a \$10 million dollar capital improvement program to repair and construct new water system infrastructure. The projects included the construction of new elevated and ground water storage tanks to the installation of new water treatment & disinfection equipment. The program also consisted of identifying methods to reduce water loss from distribution system leaks. Various point repairs and water meter replacements were completed which resulted in a decrease of water loss. Other significant projects throughout his career includes; the expansion of the Lyons water treatment plant and the analysis and alternate water treatment methods for trihalomethan (THM) and haloacidic (HAA) reduction in the Ruddock water system for St. John Parish. He also performed the design, preparation of construction documents and contract administration of the Terrytown Water System Improvements (Phase IV – Priority 4) for Jefferson Parish while working as a design consultant

A Lt Col in the Air Force Reserves, Mr. DiFranco deployed to Baghdad, Iraq in support of **OPERATION IRAQI FREEDOM**. As a civil engineering officer he was responsible for approximately \$15 million dollars of infrastructure improvements in and around the Baghdad area. He completed numerous water distribution projects to provide potable and non-potable water service for new housing development projects for coalition forces under combat conditions. He is currently assigned to the Air Force Civil Engineering Support Agency where he supports Air Force Civil Engineering worldwide.

As president of Principal Engineering, Inc., Mr. DiFranco is responsible for all daily operations ensuring the highest quality product is delivered on time and within the established budget. Most recently as the Principal-in-Charge of

Principal Engineering, **Mr. DiFranco provided planning, design guidance and quality assurance/final design review for the following relevant Sewer/WWTP projects:**

### **Ground & Elevated Water Storage Tank Inspection and Rehabilitation**

**Owner: St. John the Baptist Parish, La.**

Principal Engineering performed a condition assessment and prepared the construction documents for a combination of 15 elevated and ground steel water storage tanks. The tanks range in size from 500,000 gallons to 1.0M gallons. Coating failures, structural deterioration, and electrical & mechanical deficiencies were analyzed, and engineering design/construction documents prepared for a comprehensive rehabilitation of the water tanks. The total construction cost is \$3M. Principal is providing complete construction phase services. Construction Phase Services for this project include phasing of the work to ensure the three water systems affected maintain sufficient capacity for fire protection and demand satisfaction. This required coordination with the Parish Utility Department, Fire Protection officials, and the three construction contractors. Construction management tasks include review and enforcement of performance schedules, review of technical submittals for compliance with the contract documents, review and approval of pay requests, change order preparation/negotiation, and coordination between the Owner and Contractor. QA services include resident inspection: verifying the repairs made by the contractor comply with the contract, that materials delivered to the site comply with specifications and that relevant safety regulation and policies are adhered to, and documentation of progress in both written and photographic formats for progress measurement and award of weather extensions. Additionally, surface preparation for coating application is audited by a corrosion engineer, followed by primer thickness and quality audit, followed by completed coating thickness and quality audit. Coating audits are done to the Steel Structures Painting Council standards. Thorough reports are prepared with instrument readings and photographs.

### **Chinchuba Area Sewer Collection and Lift Stations**

**Owner: St. Tammany Parish Government, La.**

Presently, the Chinchuba area of St. Tammany Parish has municipal sewer by a combination of individual package plants and septic systems, low pressure pumping systems, and gravity collection discharging to open ditches and to the City of Mandeville's system, respectively. The proposed project will consolidate sanitary wastewater and convey it totally to the City of Mandeville system. The project scope includes installation of new sanitary sewer collection piping in existing street rights-of-way, service lines terminating at the property boundary, pumping stations and force mains, and HMA overlay of the affected streets, within the project limits. The proposed gravity collection lines total over 20,000 linear feet, and pressure pipelines total just over 3,000 linear feet. Principal performed a hydraulic and geometric study to determine the most cost effective and convenient alternative. Conceptual design options were presented for Parish selection. Principal will then provide engineering design and construction services for sanitary sewer collection and pumping to service the residences and commercial buildings in the project limits. Conceptually, 8-inch diameter gravity sewer main will be installed collecting wastewater and delivering it to a rebuilt Lift Station 42 (City of Mandeville) and to a rebuilt Lift Station 24 (City of Mandeville). New force mains will convey pumped effluent to City of Mandeville pump stations #26 and #25, respectively. Pump upgrades are anticipated at lift station #26.

### **Morton & Ingrid Sewer Lift Station Rehabilitation SCIP Project No. D5718**

**Owner: Jefferson Parish Government, La.**

Principal Engineering was selected by Jefferson Parish to evaluate the consolidation of the two separate sewer lift stations into a single submersible station. The flooded suction station will be abandoned and the project will include the installation of approximately 3,000 linear feet of new sewer force main by directional drilling. Principal performed design, prepared construction documents and specifications and will perform bidding and construction phase services upon construction funding approval. Work is being performed under the direction and management of the Sewer Capital Improvement Office. Est. Construction Cost: \$1.1M

### **Veterans & Indiana Sewer Lift Station Rehabilitation**

**Owner: City of Kenner, La.**

This project consists of the evaluation, conceptual design and final design of the selected alternative of rehabilitation to the Veterans & Indiana Station.. The evaluation consisted of a study of the service area's sanitary sewer flows and the evaluation of the existing overflow conditions; a draw down test was also performed by Principal. The design memorandum developed the conceptual basis to conduct design of improvements to the lift station and associated force main at Veterans Blvd. and Indiana Ave. The alternatives explored included the replacement of the existing pumps, motors, controls, electrical equipment, and re-alignment of the force main to discharge at the 24<sup>th</sup> St. and Delaware lift station or the alternative to design and construct a new lift station. Principal prepared construction documents and

provided construction administration. A new lift station was constructed to replace the existing one, and approximately 4,400 linear feet of new 10-inch sewer force main was installed. Construction Cost: \$1.5M.

#### **Causeway Central Sewer Pump Station Rehabilitation**

**Owner: City of Mandeville, La.**

The work comprised structural repairs, flow control & odor control for a 5.0 MGD central sewer pump station. The project included the design and structural repair/rehabilitation of the existing concrete wet well interior surface; complete surface preparation, concrete repair, epoxy lining. Flow control process was developed to provide for continuous operation of the station while contractor performs repairs. Principal prepared plans and construction documents and is performing construction administration and resident inspection services.

#### **Carondelet Sewer Gravity Rehabilitation**

**Owner: City of Mandeville, La.**

Principal was engaged to perform field investigative work to determine areas of failed sanitary sewer gravity main and sewer manholes in the Old Mandeville area of the City. Point repair areas were identified and alternatives to re-locate and re-align approximately 1,000 linear feet of gravity sewer along Carondelet Street was presented and approved for design and construction. Principal prepared construction documents and performed construction administration and resident inspection services.

#### **Live Oak Manor Sewer Improvements (LS C-8-1), Jefferson Parish, La.**

**Owner: Jefferson Parish Government, La.**

Principal prepared plans and specifications for the removal and replacement of approximately 3,500 linear feet of sewer gravity main. Principal prepared design calculations to size the gravity main and is providing design documents to upgrade an existing sewer pump station. The project includes the removal and replacement of the concrete roadway to install the sewer gravity main and roadway profiles will be provided to restore the roadway. Const. Cost: \$4M.

#### **WWTP Headworks Modification & Sluice Gates Replacement**

**Owner: City of Mandeville, La.**

Principal prepared plans and specifications for structural modifications to the headworks at the Mandeville WWTP, as well as replacement of 8 non-functioning sluice gates. Sluice gates ranged from 40" to 46". Headworks modifications included construction of two new cast-in-place concrete junction boxes, pipe abandonment, and installation of a new 36" diameter section of pipe. Principal Engineering prepared construction documents, and performed construction administration and resident inspection services. Construction Cost: \$370,000

#### **Sanitary Sewer System Evaluation Survey (SSES) & Rehabilitation of Lift Stations**

**Owner: City of Mandeville, La.**

Principal is managing a comprehensive SSES program and collection system maintenance/repair program and sewer lift station rehabilitation for a complete sanitary sewer system comprised of 60 sewer lift and pump stations, 1,264 sewer manholes, 21 miles of sewer force main and 62 miles of gravity sewer main. The SSES includes smoke and/or dye testing, manhole inspections, sanitary sewer line cleaning, and closed circuit television (CCTV). The information obtained is used to analyze infiltration/inflow (I/I) quantities assigned to detected sources, including sewer services within and outside of the right-of-way. Defect locations and characteristics and their associated I/I quantities are separated into the following categories: main lines, lateral lines (within public rights of way and easements) and service lines (on private property). Principal determines the most advantageous methods for rehabilitation of detected I/I sources with associated cost recommendations.

#### **Lift Station 21 Relocation**

**Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction. Construction Cost: \$1.2M.



## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Andre C. Monnot, P.E.**

Vice President

Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 7 With other firms: 7

### d. Education: Degree(s) / Years / Specialization

**B.S. in Civil Engineering, 2002**

### e. Active registration:

Year registered: 2007

Branch: Civil State: LA

License No.: 33626

### f. Project Roles/Responsibilities (Brief Description)

**Project Manager: Project Coordinator, Preliminary/Final Plan Preparation, Quality Control**

### g. Experience and qualifications **relevant to the proposed project**; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Mr. Monnot has a diverse range of engineering and management experience in both the public sector as a military engineer and as a private consultant. As a member of the U.S. Air Force, he held several positions in the Civil Engineering field. He served in a project scoping position, where prior to design, requirements were identified, studied, scoped, and packaged into executable projects; funding source identification and overall prioritization was accomplished.

Mr. Monnot deployed in support of OPERATION IRAQI FREEDOM, during which time he was the Chief Maintenance Engineer for the installation. He led construction on several emergency power projects, completed a comprehensive mapping and inventory of the base's water and sanitary sewerage systems, and managed \$5M in service contracts for garbage collection, custodial services, and potable water delivery. In the military and as a consultant, he has designed a broad array of projects encompassing water, wastewater, roadway, drainage, structural, and airfield paving. This includes preparation of engineering calculations, drawings, technical specifications, and contract documents; and managing personnel and costs related to the projects. As a consultant prior to joining Principal, Mr. Monnot completed the following water system projects:

#### **Morton & Ingrid Sewer Lift Station Rehabilitation**

**Owner: Jefferson Parish Government, La.**

Principal Engineering was selected by Jefferson Parish to evaluate the consolidation of the two separate sewer lift stations into a single submersible station. The flooded suction station will be abandoned and the project will include the installation of approximately 3,000 linear feet of new sewer force main by directional drilling. Principal performed design, preparation of construction documents and specifications and will perform bidding and construction phase services upon construction funding approval. Work is being performed under the direction and management of the Sewer Capital Improvement Office.

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#### **Owner: City of Mandeville, La.**

Principal is managing a comprehensive SSES program and collection system maintenance/repair program and sewer lift station rehab for a complete sanitary sewer system comprised of an asset inventory of 60 sewer lift and pump stations, 1,264 sewer manholes, 21 miles of sewer force main and 62 miles of gravity sewer main. The SSES will include smoke and/or dye testing, manhole inspections, sanitary sewer line cleaning, and closed circuit television (CCTV). The information obtained will be analyzed and infiltration/inflow (I/I) quantities assigned to detected sources, including sewer services within and outside of the right-of-way. Defect locations and characteristics and their associated I/I quantities will be separated into the following categories: main lines, lateral lines (within public rights of way and easements) and service lines (on private property). Principal will then determine the most advantageous methods for rehabilitation of detected I/I sources with associated cost recommendations.

### **Lift Station 21 Relocation**

#### **Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction. Construction Cost: \$1.2M.

### **Monroe Street New Lift Station & Force Mains**

#### **Owner: City of Mandeville, La.**

Principal performed the evaluation phase to determine the best approach to rehabilitate the sewer infrastructure known as lift station #8 and #9 and associated force mains. Principal determined the best alternative and prepared a conceptual design and cost estimate. As the City Engineer, Principal then negotiated a contract with a design consultant for the preparation of construction documents and performed design review and comment throughout the process. The project involved the construction of a new lift station to replace the existing lift station #8; abandonment/removal of an existing 12-inch force main and installation of new 16-inch force main along Monroe Street. Also included in the project is the removal/abandonment of an existing 14-inch force main between E. Causeway approach (Lift Station # 9) and Antibes St. W. Work included roadway, sidewalk, driveway, and utility restoration as necessary. Construction Cost: \$1M

## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Samuel Williams, P.E.**

Project Engineer  
Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 2 With other firms: 11

### d. Education: Degree(s) / Years / Specialization

**B.S. in Environmental Engineering, 2003**  
**Master of Ocean Engineering, 2010**

### e. Active registration:

Year registered: 2011

Branch: Civil State: LA

License No.: 36045

### f. Project Roles/Responsibilities (Brief Description)

**Project Engineer**

### g. Experience and qualifications **relevant to the proposed project**; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Mr. Williams has a background centering on the primary functions of both Civil and Oceanic Engineering. While a member of the United States Navy he worked on various construction repair projects and installations. While employed with Principal Engineering he has been involved on numerous projects involving roadway design, construction repair and drainage. Mr. Williams has been involved heavily with the following projects:

#### **Chinchuba Area Sewer Collection and Lift Stations**

**Owner: St. Tammany Parish Government, La.**

Presently, the Chinchuba area of St. Tammany Parish has municipal sewer by a combination of individual package plants and septic systems, low pressure pumping systems, and gravity collection discharging to open ditches and to the City of Mandeville's system, respectively. The proposed project will consolidate sanitary wastewater and convey it totally to the City of Mandeville system. The project scope includes installation of new sanitary sewer collection piping in existing street rights-of-way, service lines terminating at the property boundary, pumping stations and force mains, and HMA overlay of the affected streets, within the project limits. The proposed gravity collection lines total over 20,000 linear feet, and pressure pipelines total just over 3,000 linear feet. Principal performed a hydraulic and geometric study to determine the most cost effective and convenient alternative. Conceptual design options were presented for Parish selection. Principal will then provide engineering design and construction services for sanitary sewer collection and pumping to service the residences and commercial buildings in the project limits. Conceptually, 8-inch diameter gravity sewer main will be installed collecting wastewater and delivering it to a rebuilt Lift Station 42 (City of Mandeville) and to a rebuilt Lift Station 24 (City of Mandeville). New force mains will convey pumped effluent to City of Mandeville pump stations #26 and #25, respectively. Pump upgrades are anticipated at lift station #26.

#### **Capital Projects Roadway Maintenance**

**Owner: City of Mandeville, La.**

Principal, as Mandeville's City Engineer, provides comprehensive engineering and management services. Capital improvement projects are identified based on asset condition assessment, planned and scoped to meet technical and budgetary needs, and then assigned to outside design consultants to produce drawings and contract documents. Mr. Williams manages the process from project inception to construction closeout, tracking budget, schedule, and reviewing

designs for compliance with good practice serving as another construction quality assurance player; currently managing over \$5.5 M in capital improvement.

#### **Tchefuncte Marsh Assimilation Wetland Pipeline Extension**

##### **Owner: City of Mandeville, La.**

This project is the result of a successful grant application to the Lake Pontchartrain Basin Foundation that was prepared by Principal on behalf of the City of Mandeville. The project uses the ability of existing marsh vegetation to remove nutrients from sewer effluent, while simultaneously increasing the amount of fresh water in the marsh, bolstering plant growth and slowing the loss of freshwater marsh to saltwater intrusion. Mr. Williams is the project manager and is responsible for the engineering design, coordinating the efforts of sub consultants, cost control and maintaining the project schedule.

#### **Florida Extension Widening**

##### **Owner: City of Mandeville, La.**

This project will include the widening of a section of the existing Florid Street Extension and will convert the current one-way street to two-way traffic. Drainage improvements and modifications to the existing traffic signals will also be included. Mr. Williams conducted a feasibility study to determine the best approach and he will be responsible for the engineering design, cost control and maintaining the project schedule. He will also be responsible for coordination between the City of Mandeville, Great New Orleans Expressway Commission, business owners and numerous utility providers to ensure the project is completed quickly and with minimal interruptions to traffic.

## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Courtney Dickerson, P.E.**

Project Engineer  
Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 4 With other firms: 8

### d. Education: Degree(s) / Years / Specialization

**B.S. in Environmental Engineering, 2004**  
**Master of Engineering, 2013**

### e. Active registration:

Year registered: 2009

Branch: Civil State: LA

License No.: 34931

### f. Project Roles/Responsibilities (Brief Description)

**Project Engineer**

### g. Experience and qualifications **relevant to the proposed project**; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Mrs. Dickerson has over nine years of civil and environmental engineering consulting experience. Mrs. Dickerson has been involved in projects associated with drainage and roadway design, environmental remediation, and wastewater treatment. Other project work has included geotechnical engineering, natural disaster response, and coastal restoration design, flood protection design, and mine site investigations.

#### **Chinchuba Area Water Distribution & Sewer Collection/Lift Stations**

**Owner: St. Tammany Parish Government, La.**

Presently, the Chinchuba area of St. Tammany Parish is sewered by a combination of individual package plants and septic systems, low pressure pumping systems, and gravity collection discharging to open ditches and to the City of Mandeville's system, respectively. The proposed project will consolidate sanitary wastewater and convey it totally to the City of Mandeville system. The project scope includes installation of new sanitary sewer collection piping in existing street rights-of-way, service lines terminating at the property boundary, pumping stations and force mains, and HMA overlay of the affected streets, within the project limits. The proposed gravity collection lines total over 20,000 linear feet, and pressure pipelines total just over 3,000 linear feet. Principal will examine the customers in the project limits and determine the most convenient and cost effective way to provide a central sanitary collection system, the best location for pump station construction, and precise layout of the gravity and pressure piping. Options will be presented for Parish selection. Principal will then provide engineering design and construction services for sanitary sewer collection and pumping to service the residences and commercial buildings in the project limits. Conceptually, 8-inch diameter gravity sewer main will be installed collecting wastewater and delivering it to a rebuilt McDonald's Lift Station (City of Mandeville) and to a rebuilt Starbuck's Lift Station (City of Mandeville). New force mains will convey pumped effluent to City of Mandeville pump stations #26 and #25, respectively. Pump upgrades are anticipated at lift station #26.



**Lift Station 21 Relocation****Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction. Construction Cost: \$1.2M.

**Sanitary Sewer System Evaluation Survey (SSES) & Rehab of Various Lift Stations****Owner: City of Mandeville, La.**

Principal is managing a comprehensive SSES program and collection system maintenance/repair program and sewer lift station rehab for a complete sanitary sewer system comprised of an asset inventory of 60 sewer lift and pump stations, 1,264 sewer manholes, 21 miles of sewer force main and 62 miles of gravity sewer main. The SSES will include smoke and/or dye testing, manhole inspections, sanitary sewer line cleaning, and closed circuit television (CCTV). The information obtained will be analyzed and infiltration/inflow (I/I) quantities assigned to detected sources, including sewer services within and outside of the right-of-way. Defect locations and characteristics and their associated I/I quantities will be separated into the following categories: main lines, lateral lines (within public rights of way and easements) and service lines (on private property). Principal will then determine the most advantageous methods for rehabilitation of detected I/I sources with associated cost recommendations.

**Hurricane Isaac Rehabilitation of Infrastructure****Owner: City of Mandeville**

The project included the repair of damaged infrastructure in the City of Mandeville as a result of Hurricane Isaac. This included Lift Station Electrical & Control Rehabilitation project. The electrical systems of eleven sewer lift stations were replaced, including control panels, conduit, wiring, and mounting racks. Principal prepared construction documents, performed bidding, construction administration, and resident inspection services.

**WWTP Headworks Modification & Sluice Gates Replacement****Owner: City of Mandeville, La.**

Principal prepared plans and specifications for structural modifications to the headworks at the Mandeville WWTP, as well as replacement of 8 non-functioning sluice gates. Sluice gates ranged from 40" to 46". Headworks modifications included construction of two new cast-in-place concrete junction boxes, pipe abandonment, and installation of a new 36" diameter section of pipe. Principal Engineering prepared construction documents, and performed construction administration and resident inspection services. Construction Cost: \$370,000

**Lift Station 19 Replacement****Owner: City of Mandeville, La.**

Principal scoped the project for demolition and replacement of Lift Station 19. Upgrades include new pumps and motors, electrical equipment and wet well and valve pit. Principal worked with engineering consultant that prepared plans and specifications, providing review and comment on construction documents. Principal will provide resident inspection services for this project. Construction Cost: \$500,000

**Lift Station 22, 23 & 33 Improvements****Owner: City of Mandeville, La.**

Principal scoped the project for improvements to Lift Stations 22, 23 & 33. Upgrades include new pumps and motors and electrical equipment at all stations. Two of the stations will be converted from self-priming to submersible. Principal is working with engineering consultant that prepared plans and specifications, providing review and comment on construction documents. Principal will provide resident inspection services for this project. Est. Construction Cost: \$600,000

## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Tyler Gaspard, EI, LSI**

Project Engineer

Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 1 With other firms: 3

### d. Education: Degree(s) / Years / Specialization

**B.S. in Civil Engineering, 2013**

### e. Active registration:

Year registered: NA

Branch: \_\_\_\_\_ State: LA

License No.: \_\_\_\_\_

### f. Project Roles/Responsibilities (Brief Description)

#### **Project Engineer**

### g. Experience and qualifications **relevant to the proposed project**; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Mr. Gaspard is a skilled engineer with experience in project management, field surveying, AutoCad and Public Bid Law. He has overseen the installation, repairs and renovations of various projects including water transmission mains, elevated water towers and asphalt and PCC roadways. He has experience developing comprehensive reports, conducting rate studies, assisting with procurement, applying for municipal grants and designing commercial developments. He is a member of the Louisiana Engineering Society and the Louisiana Society of Professional Surveyors. His experience prior to joining the Principal Engineering team is as follows:

#### **Water Main Installation**

##### **Owner: Iberville Parish**

Mr. Gaspard managed the installation of 18 miles of 12” potable water transmission main. Est. Cost \$4.24M

#### **Elevated Tank Repairs**

##### **Owner: Iberville Parish**

Mr. Gaspard managed the lifting of two 100K Gal water towers.

#### **St. Ann Water Tower**

##### **Owner: City of Mandeville, La**

This project consisted of a new 750K Gal single pedestal water tower erected on Rapatel Street in Mandeville, La. Mr. Gaspard is managing the installation of an ammonia tank and feed assembly to resolve stratification/nitrification.

#### **Sewer & Water Maintenance Program**

##### **Owner: City of Mandeville, La**

This project consisted of a Task Order based maintenance project for the City of Mandeville.

#### **Covington Water System**

##### **Owner: City of Covington, La**

This project consisted of an overall water system evaluation to the City of Covington.

#### **Water System Model**

##### **Owner: City of Mandeville, La.**

This project consisted of a computer-based water model for the City of Mandeville.

## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Thuyan Nguyen, BSCE**

Civil Design

Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 4 With other firms:     

### d. Education: Degree(s) / Years / Specialization

B.S. in Civil Engineering (BSCE), 2011

### e. Active registration:

Year registered: NA

Branch:                      State:                     

License No.:                     

### f. Project Roles/Responsibilities (Brief Description)

Ms. Nguyen will be responsible for assisting with design work on this project.

### g. Experience and qualifications **relevant to the proposed project**; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Ms. Nguyen is a skillful engineer, providing design support on multiple projects. She is proficient in several software programs including AutoCAD, hydraulic modeling software, and Microsoft Excel. Ms. Nguyen has provided design support for the following relevant projects:

#### **Lift Station 21 Relocation**

##### **Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction.

#### **WWTP Headworks Modification & Sluice Gates Replacement**

##### **Owner: City of Mandeville, La.**

Principal prepared plans and specifications for structural modifications to the headworks at the Mandeville WWTP, as well as replacement of 8 non-functioning sluice gates. Sluice gates ranged from 40” to 46”. Headworks modifications included construction of two new cast-in-place concrete junction boxes, pipe abandonment, and installation of a new 36” diameter section of pipe. Principal Engineering prepared construction documents, and performed construction administration and resident inspection services. Construction Cost: \$370,000

#### **Causeway Central Sewer Pump Station Rehabilitation**

##### **Owner: City of Mandeville, La.**

The work comprised structural repairs, flow control & odor control for a 5.0 MGD central sewer pump station. The project included the design and structural repair/rehabilitation of the existing concrete wet well interior surface; complete surface preparation, concrete repair, epoxy lining. Flow control process was developed to provide for continuous operation of the station while contractor performs repairs. Principal prepared plans and construction documents and performed construction administration and resident inspection services.

## **Sanitary Sewer System Evaluation Survey (SSES) & Rehabilitation of Lift Stations**

### **Owner: City of Mandeville, La.**

Principal is managing a comprehensive SSES program and collection system maintenance/repair program and sewer lift station rehab for a complete sanitary sewer system comprised of an asset inventory of 60 sewer lift and pump stations, 1,264 sewer manholes, 21 miles of sewer force main and 62 miles of gravity sewer main. The SSES will include smoke and/or dye testing, manhole inspections, sanitary sewer line cleaning, and closed circuit television (CCTV). The information obtained will be analyzed and infiltration/inflow (I/I) quantities assigned to detected sources, including sewer services within and outside of the right-of-way. Defect locations and characteristics and their associated I/I quantities will be separated into the following categories: main lines, lateral lines (within public rights of way and easements) and service lines (on private property). Principal will then determine the most advantageous methods for rehabilitation of detected I/I sources with associated cost recommendations.

## **Monroe Street New Lift Station & Force Mains**

### **Owner: City of Mandeville, La.**

Principal performed the evaluation phase to determine the best approach to rehabilitate the sewer infrastructure known as lift station #8 and #9 and associated force mains. Principal determined the best alternative and prepared a conceptual design and cost estimate. As the City Engineer, Principal then negotiated a contract with a design consultant for the preparation of construction documents and performed design review and comment throughout the process. The project involved the construction of a new lift station to replace the existing lift station #8; abandonment/removal of an existing 12-inch force main and installation of new 16-inch force main along Monroe Street. Also included in the project is the removal/abandonment of an existing 14-inch force main between E. Causeway approach (Lift Station # 9) and Antibes St. W. Work included roadway, sidewalk, driveway, and utility restoration as necessary. Construction Cost: \$1M

## **Lift Station 21 Relocation**

### **Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction. Construction Cost: \$1.2M.

## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Michael Melendez**

CAD Manager/Designer  
Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 10 With other firms: 7

### d. Education: Degree(s) / Years / Specialization

**Associate's Degree of Occupational Science in Computer Aided Drafting, 1999**

### e. Active registration:

Year registered: \_\_\_\_\_

Branch: \_\_\_\_\_ State: \_\_\_\_\_

License No.: \_\_\_\_\_

### f. Project Roles/Responsibilities (Brief Description)

**CAD Manager: Drafting and CAD File Management**

### g. Experience and qualifications relevant to the proposed project; i.e. "designed drainage", "designed girders"; "designed intersection based on traffic data", etc.

Mr. Melendez has an Associates Degree of Occupational Science in Computer Aided Drafting from Southeast College of Technology. His coursework included drafting classes for architectural, mechanical, civil, piping, and electrical. It also included classes for Microsoft Word and Excel. During his studies, he maintained a 4.0 GPA and graduated with honors. His professional qualities include the ability to analyze a problem and present an accurate resolution. He is also detail oriented, and focuses on quality and accuracy. Mr. Melendez is Proficient with AutoCAD, Civil 3D, GIS and many design software programs.

Mr. Melendez is a senior technician capable of performing significant plan preparation for municipal public works projects and private infrastructure projects.

**Mr. Melendez has performed management, design and drafting support for the following relevant projects:**

#### **Morton & Ingrid Sewer Lift Station Rehabilitation**

**Owner: Jefferson Parish Government, La.**

Principal Engineering was selected by Jefferson Parish to evaluate the consolidation of the two separate sewer lift stations into a single submersible station. The flooded suction station will be abandoned and the project will include the installation of approximately 3,000 linear feet of new sewer force main by directional drilling. Principal performed design, prepared construction documents and specifications and will perform bidding and construction phase services upon construction funding approval. Work is being performed under the direction and management of the Sewer Capital Improvement Office. Construction Cost: \$1.1M.

#### **Veterans & Indiana Sewer Lift Station Rehabilitation**

**Owner: City of Kenner, La.**

This project consists of the evaluation, conceptual design and final design of the selected alternative. The evaluation consisted of a study of the service area's sanitary sewer flows and the evaluation of the existing overflow conditions; a draw down test was also performed by Principal. The design memorandum developed the conceptual basis to conduct design of improvements to the lift station and associated force main at Veterans Blvd. and Indiana Ave. The alternatives explored included the replacement of the existing pumps, motors, controls, electrical equipment, and re-

alignment of the force main to discharge at the 24<sup>th</sup> St. and Delaware lift station or the alternative to design and construct a new lift station. Principal prepared construction documents and provided construction administration. A new lift station was constructed to replace the existing one, and approximately 4,400 linear feet of new 10" sewer force main was installed. Construction Cost: \$1.5M

#### **Water & Sewer System Improvements**

##### **Owner: Housing Authority of Jefferson Parish, La. – Marrero**

This project included the removal and replacement of approximately 13,000 linear feet of sewer gravity service main and the removal and replacement of water system valves to achieve isolation within the system. The project was constructed for a cost of \$950K with no change orders and within the established budget and schedule to utilize grant funding for the project. Principal prepared the design and construction documents, permitting, construction administration and resident inspection services for this project.

#### **Causeway Central Sewer Pump Station Rehabilitation**

##### **Owner: City of Mandeville, La.**

The work comprised structural repairs, flow control & odor control for a 5.0 MGD central sewer pump station. The project included the design and structural repair/rehabilitation of the existing concrete wet well interior surface; complete surface preparation, concrete repair, and epoxy lining. Flow control process was developed to provide for continuous operation of the station while contractor performs repairs. Principal prepared plans and construction documents and performed construction administration and resident inspection services.

#### **Carondelet Sewer Gravity Rehabilitation**

##### **Owner: City of Mandeville, La.**

Principal was engaged to perform field investigative work to determine areas of failed sanitary sewer gravity main and sewer manholes in the Old Mandeville area of the City. Point repair areas were identified and alternatives to re-locate and re-align approximately 1,000 linear feet of gravity sewer along Carondelet Street was presented and approved for design and construction. Principal prepared construction documents and performed construction administration and resident inspection services.

#### **Live Oak Manor Sewer Improvements (LS C-8-1), Jefferson Parish, La.**

##### **Owner: Jefferson Parish Government**

Principal prepared plans and specifications for the removal and replacement of approximately 3,500 linear feet of sewer gravity main. Principal prepared design calculations to size the gravity main and is providing design documents to upgrade an existing sewer pump station. The project included the removal and replacement of the concrete roadway to install the sewer gravity main and roadway profiles will be provided to restore the roadway. Const. Cost: \$4M.

#### **Sanitary Sewer System Evaluation Survey (SSES) & Rehabilitation of Lift Stations**

##### **Owner: City of Mandeville, La.**

Principal is managing a comprehensive SSES program and collection system maintenance/repair program and sewer lift station rehabilitation for a complete sanitary sewer system comprised of 60 sewer lift and pump stations, 1,264 sewer manholes, 21 miles of sewer force main and 62 miles of gravity sewer main. The SSES includes smoke and/or dye testing, manhole inspections, sanitary sewer line cleaning, and closed circuit television (CCTV). The information obtained is used to analyze infiltration/inflow (I/I) quantities assigned to detected sources, including sewer services within and outside of the right-of-way. Defect locations and characteristics and their associated I/I quantities are separated into the following categories: main lines, lateral lines (within public rights of way and easements) and service lines (on private property). Principal determines the most advantageous methods for rehabilitation of detected I/I sources with associated cost recommendations.

#### **Lift Station 21 Relocation**

##### **Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction. Construction Cost: \$1.2M.



## 10. Brief résumé of key persons anticipated to work on this project

### a. Name, Title & Domicile



**Diana Cutliff**

CAD Technician  
Mandeville, LA 70471

### b. Name of firm by which employed full time



### c. Years experience:

With this firm: 8 With other firms: 0

### d. Education: Degree(s) / Years / Specialization

**Certificate in Computer Aided Design Drafting – Delgado  
Community College, 2009**

### e. Active registration:

Year registered: \_\_\_\_\_

Branch: \_\_\_\_\_ State: \_\_\_\_\_

License No.: \_\_\_\_\_

### f. Project Roles/Responsibilities (Brief Description)

**CAD Design and Support**

### g. Experience and qualifications relevant to the proposed project; i.e. “designed drainage”, “designed girders”; “designed intersection based on traffic data”, etc.

Ms. Cutliff completed a certificate program in CAD at Delgado Community College while working full-time as a drafter for Principal Engineering. While under the direction of the Drafting Manager and Project Managers, she has completed numerous drafting assignments for a wide variety of public works projects. She has worked on projects in the following areas of public works: drainage, sewer, water and roadway design.

#### **RELEVANT PROJECT EXPERIENCE:**

##### **Morton & Ingrid Sewer Lift Station Rehabilitation**

**Owner: Jefferson Parish Government, La.**

Principal Engineering was selected by Jefferson Parish to evaluate the consolidation of the two separate sewer lift stations into a single submersible station. The flooded suction station will be abandoned and the project will include the installation of approximately 3,000 linear feet of new sewer force main by directional drilling. Principal performed design, prepared construction documents and specifications and will perform bidding and construction phase services upon construction funding approval. Work is being performed under the direction and management of the Sewer Capital Improvement Office. Est. Construction Cost: \$1.1M

##### **Veterans & Indiana Sewer Lift Station Rehabilitation**

**Owner: City of Kenner, La.**

This project consists of the evaluation, conceptual design and final design of the selected alternative of rehabilitation to the Veterans & Indiana Station.. The evaluation consisted of a study of the service area’s sanitary sewer flows and the evaluation of the existing overflow conditions; a draw down test was also performed by Principal. The design memorandum developed the conceptual basis to conduct design of improvements to the lift station and associated force main at Veterans Blvd. and Indiana Ave. The alternatives explored included the replacement of the existing pumps, motors, controls, electrical equipment, and re-alignment of the force main to discharge at the 24<sup>th</sup> St. and Delaware lift station or the alternative to design and construct a new lift station. Principal prepared construction documents and provided construction administration. A new lift station was constructed to replace the existing one, and approximately 4,400 linear feet of new 10-inch sewer force main was installed. Construction Cost: \$1.5M.

**HWY 22 to Mandeville WWTP Sewer Pump Station****Owner: City of Mandeville, La.**

This project is a collaborating effort between St. Tammany Parish and the City of Mandeville to regionalize wastewater treatment. Principal designed a 1,500 gpm submersible sanitary pump station and performed hydraulic modeling to select the appropriate pumping equipment and operating conditions. The existing Lift Station 21 will be relocated; the existing Lift Station 20 will be demolished as part of this project. This project is currently under construction. Construction Cost: \$1.2M.

**Chinchuba Area Sewer Collection and Water Distribution Improvements****Owner: St. Tammany Parish Government, La.**

Presently, the Chinchuba area of St. Tammany Parish has municipal sewer by a combination of individual package plants and septic systems, low pressure pumping systems, and gravity collection discharging to open ditches and to the City of Mandeville's system, respectively. The proposed project will consolidate sanitary wastewater and convey it totally to the City of Mandeville system. The project scope includes installation of new sanitary sewer collection piping in existing street rights-of-way, service lines terminating at the property boundary, pumping stations and force mains, and HMA overlay of the affected streets, within the project limits. The proposed gravity collection lines total over 20,000 linear feet, and pressure pipelines total just over 3,000 linear feet. Principal performed a hydraulic and geometric study to determine the most cost effective and convenient alternative. Conceptual design options were presented for Parish selection. Principal will then provide engineering design and construction services for sanitary sewer collection and pumping to service the residences and commercial buildings in the project limits. Conceptually, 8-inch diameter gravity sewer main will be installed collecting wastewater and delivering it to a rebuilt Lift Station 42 (City of Mandeville) and to a rebuilt Lift Station 24 (City of Mandeville). New force mains will convey pumped effluent to City of Mandeville pump stations #26 and #25, respectively. Pump upgrades are anticipated at lift station #26.

**Causeway Central Sewer Pump Station Rehabilitation****Owner: City of Mandeville, La.**

The work comprised structural repairs, flow control & odor control for a 5.0 MGD central sewer pump station. The project included the design and structural repair/rehabilitation of the existing concrete wet well interior surface; complete surface preparation, concrete repair, epoxy lining. Flow control process was developed to provide for continuous operation of the station while contractor performs repairs. Principal prepared plans and construction documents and is performing construction administration and resident inspection services.

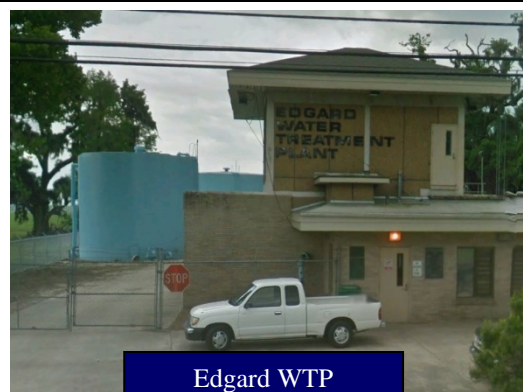
**Carondelet Sewer Gravity Rehabilitation****Owner: City of Mandeville, La.**

Principal was engaged to perform field investigative work to determine areas of failed sanitary sewer gravity main and sewer manholes in the Old Mandeville area of the City. Point repair areas were identified and alternatives to re-locate and re-align approximately 1,000 linear feet of gravity sewer along Carondelet Street was presented and approved for design and construction. Principal prepared construction documents and performed construction administration and resident inspection services.

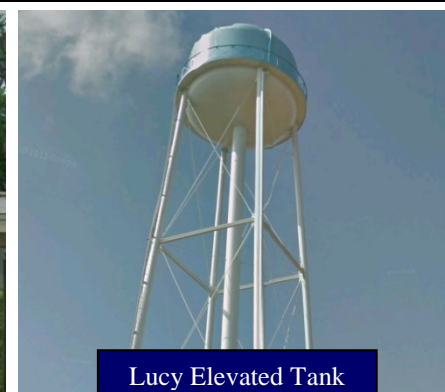
11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Ground &amp; Elevated Water Storage Tank Inspection and Rehabilitation</b>  <b>St. John the Baptist Parish, La.</b>	Engineering Design & Construction Documents, Bidding, Construction Administration & Resident Inspection	St. John the Baptist Parish Department of Public Utilities 1801 W. Airline Hwy. Laplace, La. 70068	June 2013	
			e. Estimated Cost	
			Entire Project	Work for which firm was/is Responsible
			\$3,000	100%

Principal Engineering performed a condition assessment and prepared the construction documents for a combination of 15 elevated and ground steel water storage tanks. The tanks range in size from 250K gallons to 1.0M gallons. Coating failures, structural deterioration, and electrical and mechanical deficiencies were analyzed, and engineering design/construction documents prepared for a comprehensive rehabilitation of the water tanks. Principal has managed the permitting, bidding, and contract award for three of four construction contracts. Construction Phase Services for this project include phasing of the work to ensure the three water systems affected maintain sufficient capacity for fire protection and demand satisfaction. This required coordination with the Parish Utility Department, Fire Protection officials, and the two construction contractors. Resident Inspection services include verifying the repairs made by the contractor comply with the contract, verifying that materials delivered to the site comply with specifications and that relevant safety regulation and policies are adhered to, and documentation of progress in both written and photographic formats for progress measurement and award of weather extensions.



Edgard WTP





Lucy Elevated Tank



Ruddock 1.0 MG Ground Tanks

11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Monroe Street Elevated Water Storage Tank Inspection and Rehabilitation</b>  <b>Mandeville, La.</b>	Engineering Design and Construction Documents, Bidding, Construction Administration & Resident Inspection	City of Mandeville Department of Public Works 1100 Mandeville High Blvd. Mandeville, La. 70471	June 2012	
			e. Estimated Cost (In Thousands)	
			Entire Project	Work for which firm was/is responsible
			\$200 Construction	100%
<p>Principal performed a condition inspection to determine the extent of corrosion, coating failures and deterioration of the existing Monroe Street elevated water tank. Principal then prepared construction documents for the rehabilitation of the elevated water storage tank. The project included structural repairs, blasting and recoating. Principal also performed bidding, construction administration and resident inspection.</p>				
<div><div><div>Pre Rehabilitation</div></div><div><div>Post Rehabilitation</div></div></div>				

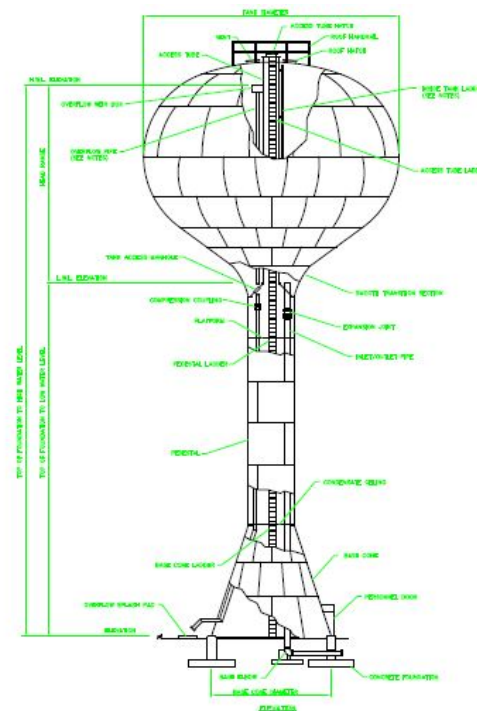


11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Rapatel Street Elevated Water Storage Tank &amp; Distribution Improvements</b>  <b>Mandeville, La.</b>	Engineering Design & Construction Documents, Bidding, Construction Administration	City of Mandeville Department of Public Works 1100 Mandeville High Blvd. Mandeville, La. 70471	March 2013, Design Complete	
			e. Estimated Cost (In Thousands)	
			Entire Project	Work for which firm was/is Responsible
			\$2,000 Construction	100%

Principal provided site selection and property acquisition services for the design and construction of a new 750K gallon elevated water storage tank. Principal was responsible for the performance and technical specifications for the procurement of the new water tower and for the water modeling of the new tower into the production and demands of the City's system. Principal is also managing a design consultant in the preparation of distribution system installation. The project includes new 12"-18" water distribution installation to the water tower site. A water system analysis was performed and new controls will be installed for system operation.

Additionally, Principal is responsible for the rehabilitation of the existing 750K gallon water storage tank on St. Ann Drive. This includes scoping the repairs needing, preparing specifications and drawings as necessary, and providing construction administration.



## Existing Elevated Tank - Rehab

## New 750K Gal Elevated Tank

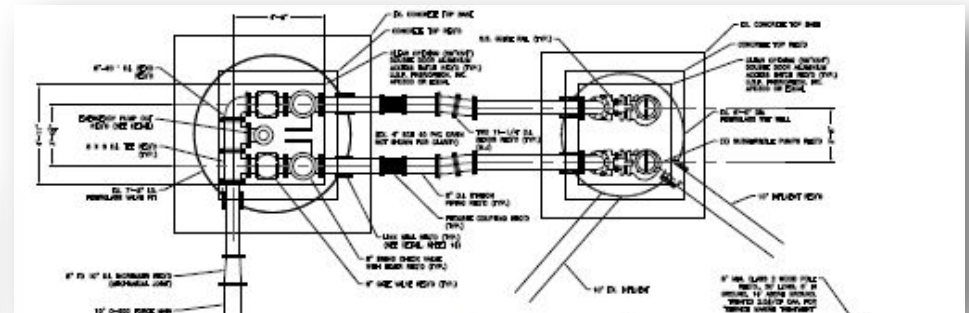
11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Morton &amp; Ingrid Sewer Lift Station &amp; Force Main Rehabilitation (E6-3A)</b> <b>SCIP Project No. D5718</b>  <b>Jefferson Parish, La.</b>	Engineering Design & Construction Documents; Bidding, Construction Administration & Resident Inspection	Jefferson Parish Government Sewer Capital Improvement Program 1221 Elmwood Park Blvd., Suite 906 Jefferson, La. 70123	October 2015	
			e. Estimated Cost (In Thousands)	
			Entire Project	Work for which firm was/is Responsible
			\$850 Construction	100%

Principal Engineering was selected by Jefferson Parish to evaluate the consolidation of the two separate sewer lift stations currently functioning as the Morton and Ingrid Station into a single submersible station. The flooded suction station will be abandoned and the project will include the installation of approximately 3,000 linear feet of new sewer force main by directional drilling. Principal is performing design, preparation of construction documents and specifications and will perform bidding and construction phase services upon construction funding approval.



*Above: Existing Lift Station*



*Above: Proposed Pumping Station*

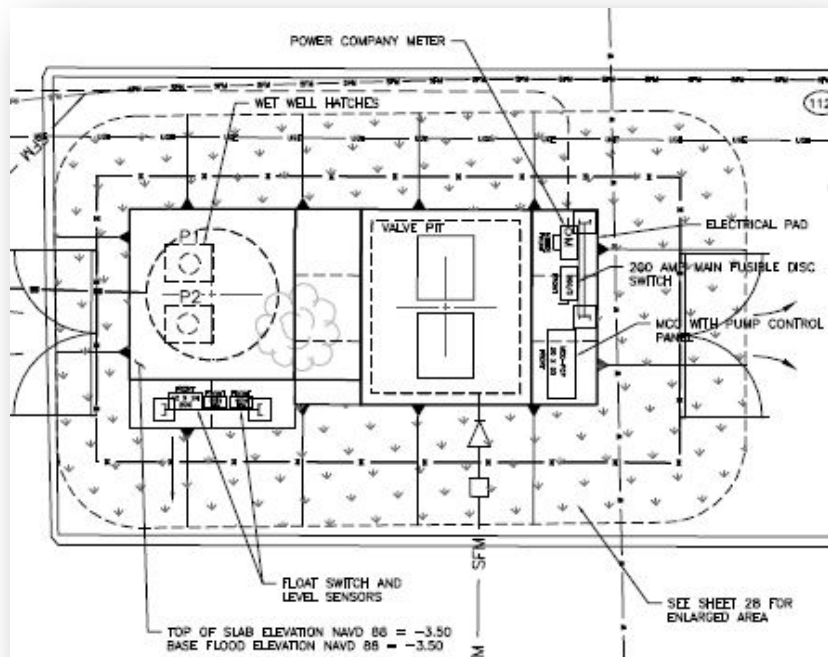


11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Veterans &amp; Indiana Sewer Lift Station &amp; Force Main Rehabilitation</b>  <b>City of Kenner, La.</b>	Engineering Design & Construction Documents; Bidding, Construction Administration	City of Kenner Department of Public Works 1610 Rev. Richard Wilson Dr. Kenner, La. 70062	June 2014	
			e. Estimated Cost (In Thousands)	
			Entire Project	Work for which Firm was/is Responsible
			\$900 Construction	100%

This project consists of the evaluation, conceptual design and final design of the selected alternative. The evaluation consisted of a study of the service area's sanitary sewer flows and the evaluation of the existing overflow conditions; a draw down test was also performed by Principal. The design memorandum presented alternatives for the design of improvements to the lift station and associated force main at Veterans Blvd. and Indiana Ave. The alternatives explored included the replacement of the existing pumps, motors, controls, electrical equipment, and re-alignment of the force main to discharge at the 24<sup>th</sup> St. and Delaware lift station or the alternative to design and construct a new lift station. Based on Principal's recommendations, the City selected the alternative to construct a new sewer lift station to replace the existing. It also includes the installation of approximately 4,400 linear feet of new 10-inch sewer force main. The construction cost is \$900K. Principal developed construction documents for this project and conducted construction administration.

*Right: Proposed Lift Station Site Plan*



11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date		
<b>Causeway Central Sewer Pump Station Rehabilitation – Coatings/Epoxy Lining Rehab</b>  <b>Mandeville, La.</b>	Engineering Design & Construction Documents; Bidding, Construction Administration & Resident Inspection	City of Mandeville Department of Public Works 1100 Mandeville High Blvd. Mandeville, La. 70471	August 2012		
				e. Estimated Cost (In Thousands)	
				Entire Project	Work for which firm was/is responsible
				\$200 Construction	100%

The work comprises of structural repairs, piping rehabilitation, flow control & odor control for a 5.0 MGD central sewer pump station. **The project includes the design and structural repair/rehabilitation of the existing concrete wet well interior surface; complete surface preparation, concrete repair, epoxy lining.** Flow control process was developed to provide for continuous operation of the station while contractor performs repairs. Principal prepared plans and construction documents and performed construction administration and resident inspection services.

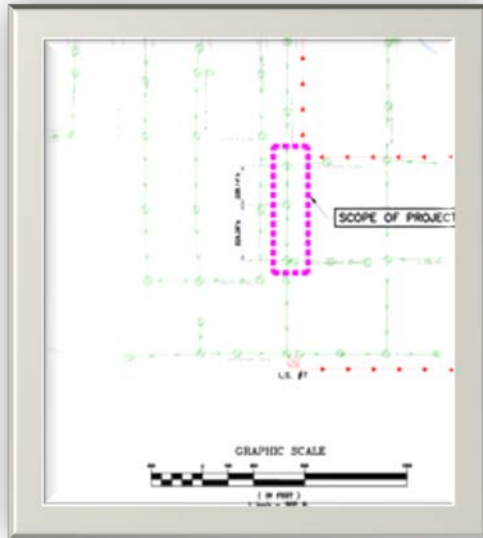


*Above: Piping Improvements  
Left: Wet Well*

11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location		b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date		
<b>Carondelet Sewer Gravity Rehabilitation</b>  <b>Mandeville, La.</b>		Engineering Design & Construction Documents; Bidding, Construction Administration & Resident Inspection	City of Mandeville Department of Public Works 1100 Mandeville High Blvd. Mandeville, La. 70471	July 2012		
				e. Estimated Cost (In Thousands)		
				Entire Project	Work for which firm was/is Responsible	
				\$200 Construction	100%	

Principal was engaged to perform field investigative work to determine areas of failed sanitary sewer gravity main and sewer manholes in the Old Mandeville area of the City. Point repair areas were identified and alternatives to re-locate and re-align approximately 1,000 linear feet of gravity sewer along Carondelet Street was presented and approved for design and construction. Principal prepared construction documents and will perform construction administration and resident inspection services.



*Above: Project Area*



*Above: Project Site During Construction*



11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location		b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Wastewater Treatment Plant Headworks Modification &amp; Sluice Gates Replacement</b>  <b>Mandeville, La.</b>		Design, Construction Documents, Bidding, Construction Administration and Resident Inspection	City of Mandeville Department of Public Works 1100 Mandeville High Blvd. Mandeville, La. 70471	October 2014	
				e. Estimated Cost (In Thousands)	
				Entire Project	Work for which firm was/is Responsible
				\$370	100%

The project included structural modifications at the headworks of the Mandeville Wastewater Treatment Plant and installation of eight sluice gates in the wastewater treatment lagoons. Existing sluice gates, ranging from 40"-46" in size, were removed and replaced with new gates. Headworks modifications include construction of two new cast-in-place 6'L x 6'W x 14'D concrete junction boxes, pipe abandonment, and installation of a new 36" diameter section of pipe (20 lf). The Contractor successfully completed this project by constructing cofferdams and utilizing pipe plugs to restrict flow during construction. Principal prepared plans and specifications, conducted bidding and construction administration, as well as resident inspection services.



*Above: Junction Box Cast-in-Place Concrete Lid*

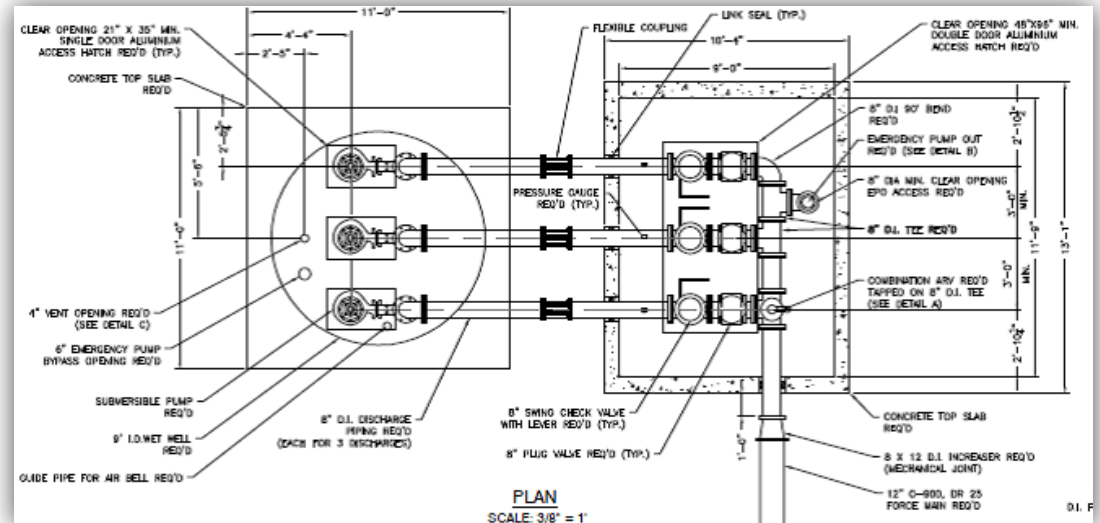


*Right: Sluice Gate Installation  
Above: Junction Box Construction*

11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Hwy 21 WWTP to Mandeville WWTP- Lift Station # 21 Relocation</b>  <b>Mandeville, LA</b>	Engineering Design & Construction Documents; Bidding, Construction Administration & Resident Inspection	City of Mandeville Department of Public Works 1100 Mandeville High Blvd. Mandeville, La. 70471	June 2015	
			e. Estimated Cost (In Thousands)	
			Entire Project	Work for which firm was/is Responsible
			\$1,1000	100%

St. Tammany Parish plans to construct a sanitary pumping station at the site of an existing wastewater treatment plant (WWTP) that will send sanitary wastewater via a new force main to the City of Mandeville's Lift Station 21 (LS21), which will require an upgrade. The new station will be located on Heavens Drive, in close proximity to Lift Station 20 (LS20). The existing stations LS20 and LS21 will be demolished and replaced with the new LS21. The new station would be designed so that it has enough capacity to account for the discharge at the existing LS20, LS21, and the proposed new Parish station on Hwy. 22. The new station will have a firm capacity of approximately 1,070 gallons per minute (gpm). The pump station constructed at the site of the Parish WWTP will require a capacity of approximately 520 gpm. The estimated construction cost of the station constructed at Heavens Drive is \$828,000, which includes dismantling the existing LS20 and LS21. Principal Engineering, Inc. is responsible for design of the new station, including hydraulic calculations to size pumps and associated piping, contract administration and construction oversight.



Above: Proposed Lift Station Plan

11. Work by firm or joint venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects):

a. Project name & location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date	
<b>Live Oak Manor Sewer Collection &amp; Lift Station Improvements (C-8-1)</b>  <b>Jefferson Parish, La.</b>	Engineering Design & Construction Documents; Bidding, Construction Administration & Resident Inspection	Jefferson Parish Government Sewer Capital Improvement Program 1221 Elmwood Park Blvd., Suite 906 Jefferson, La. 70123	March 2011 Design Complete	
			e. Estimated Cost (In Thousands)	
			Entire Project	Work for which was/is Responsible
			\$3,000 Construction	85%

The project includes the upgrade of the existing gravity main along Helis Dr. between Davenport St and pump station and includes new pumps, controls, electrical, etc. for the pump station. As a sub-consultant, Principal prepared the design and construction plans and specifications for the removal and replacement of approximately 3,500 linear feet of sewer gravity main. Principal prepared design calculations to size the gravity main and construction documents to upgrade an existing sewer pump station. The project includes the removal and replacement of the concrete roadway to install the sewer gravity main and roadway profiles will be provided to restore the roadway.

*Right: Existing Pumping Station*



12. All work by firm (all offices) currently being performed for or selected by St. John the Baptist Parish Government (as Prime or Sub-consultant)

a. Project name, and location*	b. Nature of your firm's responsibility (also identify if prime or sub-consultant)	c. Percent complete (by phase/type of work)	d. Contract fees (in thousands)** (by phase/type of work)	
			Total	Remaining
Fairway Drive & Woodland Drive Bridge Rehabilitation	Engineering Design & Construction Phase Services Principal Engineering is the prime consultant.	Fairway Drive – Construction 60% Woodland Drive – Design 95%	Engineering Design & Construction Phase \$112	\$65
* For master contracts, list open task orders individually ** Do not include sub-consultant's fees			Total	\$112
				\$65



13. Use this space to provide evidence of an adequate financial statement and any additional information or description of resources supporting your firm's qualifications for the proposed project. This section may also be used to submit proposed prices, hourly rates, specific charges, if required. A maximum of two (2) additional sheets may be utilized to answer this question. All other sheets not specifically requested shall be excluded.

## INTRODUCTION

PRINCIPAL *Engineering, Inc.* (PRINCIPAL) is a full service consulting Architecture, Engineering and Construction services (A/E/C) firm specializing in the following disciplines: *Architectural, Civil, Environmental, Structural, Electrical and Mechanical and Construction Engineering Services*. Founded in 2004, we have been successfully providing professional services to federal, state, parish and city government agencies since our inception. Over 90 percent of our work is from governmental agencies.

PRINCIPAL is pleased to report that we are solvent and in a solid financial condition. We have a healthy cash flow, no outstanding debts and a favorable cash reserve. In addition to our capital reserves, Principal has a significant cash line of credit which gives us the capacity to deploy resources when and where needed to meet the needs of our clients. We have the capacity, capability and experience to deliver successful A/E services to the federal government. PRINCIPAL's President and Vice President are former active duty military engineering officers and current reserve forces military engineering officers that have past successful experience working on CONUS and OCONUS US Army and US Air Force DOD Facility and Civil Works Projects.

**PRINCIPAL is a verified Service-Disabled Veteran Owned Small Business (SDVOSB) with the Department of Veterans Affairs - Center for Verification and Evaluation (CVE)**

**PRINCIPAL is also a (LED) certified Hudson and Veteran Initiative; Service-Connected Disabled Veteran Small Entrepreneurship and a Small and Emerging Business Enterprise with the Louisiana Department of Economic Development, Division of Small Business Services (certificates attached).**

PRINCIPAL *Engineering, Inc.* is fully licensed and insured to perform architectural and engineering services in the State of Louisiana. The firm is registered as a corporation with the State of Louisiana, Office of the Secretary of State and is licensed as an Engineering Firm with the Louisiana Professional Engineering and Land Surveying Board; License no. 3168 and the Louisiana Board of Architectural Examiners; License No. AE 0232. In addition, we are currently licensed to practice professional engineering in the states of Florida, Texas, Arkansas, Mississippi, Alabama, North Carolina and Georgia.

PRINCIPAL *Engineering*® is a federally registered service mark.

## EVALUATION CRITERIA

### Key Personnel Qualifications and Experience:

As noted herein, Principal Engineering has a staff of experienced and trained professionals who have successfully completed the planning, design and construction phase services for numerous local municipal routine A/E projects. Principal's staff is experienced in conducting studies, engineering reports, H&H modeling and preparing construction documents for the design of many types of roadway, drainage, water, sewer, facility and coastal restoration and flood control projects. In addition, Principal Engineering's President, Mr. DiFranco brings unique Public Works experience to our clients; having served as a municipal engineer and Director of Public Works and Utilities for two local municipalities. This experience as an Owner's representative and consulting engineer brings valuable experience and insight to our municipal clients. The engineers at Principal stay abreast of new developments and technologies in the industry by attending annual events held by the American Society of Civil Engineers (ASCE), the Society of American Military Engineers (SAME) and the



American Public Works Association (APWA). All engineers at Principal are required to maintain active registration with ASCE, SAME and APWA. Our Vice President, Mr. Monnot is an officer in the local APWA chapter.

Furthermore, our President, Mr. DiFranco is a former US Army Engineer Officer and is currently a Lt Colonel in the US Air Force Reserve where he is responsible for the evaluation of airfield pavements and DoD facilities. In Iraq, he was responsible for the design and construction of over \$15 million dollars in infrastructure improvements. He received the Louisiana War Cross and numerous combat decorations including the outstanding unit award with "valor". Our vice-president, Mr. Monnot is also a former Air Force Civil Engineering Officer, where he completed numerous infrastructure improvement projects for Coalition Forces.

As evidenced through our past success, Principal Engineering, Inc. has an excellent reputation for meeting our client's project schedule and has met some very demanding schedules on past projects. All of Principal's projects are carefully managed by the staff. Prior to Principal's selection for new projects, the workload and availability of key project personnel are discussed with each client to determine if the design and construction schedule meets their need. Principal does not take on any project that cannot be designed, bid and constructed within the owner's anticipated completion date.

#### **Relevant Experience and References:**

As our personnel qualifications and key project experience indicates, Principal's staff has direct successful experience with similar projects within the past twelve years and we have completed all projects on schedule and within the client's budget. In addition, PRINCIPAL has been selected in the past by municipalities for routine engineering and architectural services on an as-needed basis and is very familiar with providing services on an as-needed basis. We have successfully completed local City, Parish, State and Federal government projects. Furthermore, PRINCIPAL has experience managing our current workload and integrating new projects into our schedule meeting the needs of our clients.

#### **Understanding of Project/Familiarity:**

Principal is very familiar with St. John Parish. Our president is a former St. John the Baptist Parish Public Works and Utilities Director (2000 to 2004). As the director of two departments, Mr. DiFranco is intimately familiar with St. John Roadway, Drainage, Water, Sewer, and Facility Infrastructure and is knowledgeable of the Parish's needs. Principal Engineering has completed numerous projects; Water Storage Tank Inspection and Rehab, Woodland Bridge & Roadway Rehab (East & West), Country Club Drive Bridge & Roadway Rehab and the Greenwood Drive Bridge & Roadway Rehab. In addition, Principal is currently working the Fairway Drive Bridge and the Woodland Bridge.

#### **Agency Project Experience:**

We have an excellent professional reputation with all of our governmental agency clients. Principal has provided services to nearly every public agency in the New Orleans metropolitan area as well as various State and Federal agencies. Most recently, Principal Engineering provided services to the USACE for a variety of regional levee and flood control projects and completed bridge inspections and load ratings along with asphalt paving and repair recommendations for Stennis Space Center in MS.

Principal Engineering's direct governmental agencies of current and past clients include the following:

#### **Local Clients:**

- ◆ City of New Orleans, Department of Public Works
- ◆ City of Kenner, Department of Public Works
- ◆ City of Covington, Department of Engineering
- ◆ City of Mandeville, Department of Public Works
- ◆ Jefferson Parish, Department of Public Works
- ◆ Jefferson Parish School Board
- ◆ St. Tammany Parish School Board
- ◆ St. Tammany Parish, Department of Engineering & Environmental Services
- ◆ City of Slidell, Department of Public Works
- ◆ Plaquemines Parish Government, Department of Public Works
- ◆ St. Bernard Parish Government, Department of Public Works
- ◆ Sewerage and Water Board of New Orleans
- ◆ Housing Authority of Jefferson Parish

- ◆ St. Charles Parish, Department of Public Works & Wastewater
- ◆ St. John the Baptist Parish, Department of Public Works and Utilities

#### **State Clients:**

- ◆ LA Department of Transportation and Development
- ◆ Coastal Protection and Restoration Authority
- ◆ Facility Planning and Control

#### **Federal Clients:**

- ◆ Department of Veterans Affairs
- ◆ United States Army Corps of Engineers
- ◆ Department of the Army
- ◆ NASA (Stennis Space Center)
- ◆ Federal Emergency Management Agency

The quality of our services in the area of planning, design, and construction administration services has been consistently commended by our clients. As a result, all the firm's clients are repeat clients.

#### **Current Work Load:**

Based on a review of our current and projected work load, our current staff has the capacity to add new projects and successfully complete projects for St. John the Baptist Parish. The staff works very closely together and utilizes state of the art computer and communications technology to manage the firm's current workload and scheduling of future projects. All engineers at Principal contribute to the management of the office and the production of our projects. Furthermore, the size of our firm allows us to provide intimate communication with our clients and as a result we take pride and ownership in the work we produce.

We have an established performance record of successfully completing design and/or construction phase services within the client approved performance schedules, including the coordination and scheduling of services from any outside consultants (survey/geotechnical). We have not experienced any issues with time delays or cost overruns as a result of our firm's capacity to deliver a successful product.

A snap shot of our current workload, current phase and recent project additions include the following:

#### **Current Design/Construction Phase Workload:**

- ◆ Orleans Village Drainage Improvements - Construction Phase
- ◆ Waggaman Jack and Bore (Project 1) - Construction Phase
- ◆ Waggaman Jack and Bore (Project 2) – Design Phase
- ◆ Mandeville Water and Sewer Maintenance - Construction Phase
- ◆ Mandeville Roadway and Drainage Maintenance – Construction Phase
- ◆ Causeway/Central Sewer Pump Station Consolidation – Design Phase
- ◆ Miramon Drainage Pump Station Rehab – Pre-design Phase
- ◆ Fairway Bridge Rehabilitation (Fairway) - Bidding Phase
- ◆ Central Avenue Water Main - Design Phase
- ◆ Effluent Pipeline Extension - Design Phase
- ◆ The Lang House - Construction Phase
- ◆ Woodland Bridge Rehabilitation (Woodland) - Design Phase



#### **COMMITMENT**

We will provide the highest quality of personalized, professional and state of the art technology to our clients. Principal is committed to assisting our clients by offering inventive solutions to design, construct and/or restore the infrastructure under their jurisdiction and to provide professional engineering services to safeguard life, health and property of the residents that they serve.

PAST CRIMINAL CONVICTIONS OF BIDDERS ATTESTATION (LA. R.S. 38:2227)

STATE OF LOUISIANA

PARISH OF St. Tammany

BEFORE ME, the undersigned Notary Public PERSONALLY CAME AND APPEARED,

I, Henry I. Di Franco, Jr., (Appearer) the owner/authorized representative of  
Principal Engineering, Inc.  
Company / Individual / Legal Entity Name

Appearer, as a Bidder on the herein named Project, does hereby attest that:

A. No sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named herein, including any silent or dormant owner or manager, has been convicted of, or has entered a plea of guilty or nolo contendere to, any of the following state crimes or equivalent federal crimes:

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118)      | (c) Extortion (R.S. 14:66)         |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

B. For five years prior to the project bid date, no sole proprietor or individual partner, incorporator, director, manager, officer, organizer, or member who has a minimum of a ten percent (10%) ownership in the bidding entity named herein, including any silent or dormant owner or manager, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the following state crimes or equivalent federal crimes, during the solicitation or execution of a contract or bid awarded pursuant to the provisions of Chapter 10 of Title 38 of the Louisiana Revised Statutes:

- |   |   |
|---|---|
| (a) Theft (R.S. 14:67)                                    | (f) Bank fraud (R.S. 14:71.1)             |
| (b) Identity Theft (R.S. 14:67.16)                        | (g) Forgery (R.S. 14:72)                  |
| (c) Theft of a business record (R.S. 14:67.20)            | (h) Issuing worthless checks (R.S. 14:71) |
| (d) False accounting (R.S. 14:70)                         | (i) Malfeasance in office (R.S. 14:134)   |
| (e) Contractor's misapplication of payments (R.S. 14:202) |   |

Henry I. Di Franco, Jr.  
Name of Bidder

Henry I. Di Franco, Jr.  
Signature of Authorized Signatory of Bidder

West Bank WWTP Tank Rehabilitation  
Project Name/Number

President  
Title of Authorized Signatory

SUBSCRIBED AND SWORN BEFORE ME ON THIS 9th DAY OF November, 2016.

[Signature]  
Notary Signature

Printed Notary Name: EDWARD J. DEANO JR

Notary/Bar Roll Number: 04770

My Commission is For/Expires: AT DEATH

**SAINT JOHN THE BAPTIST PARISH  
NON-SOLICITATION AND UNEMPLOYMENT AFFIDAVIT**  
(Pursuant to La. R.S. 38:2224 and La. R.S. 23:1726(B))

STATE OF Louisiana

PARISH/COUNTY OF St Tammany

Before me, the undersigned authority, came and appeared,

I, Henry I. DiFranco, Jr., the owner/authorized representative of

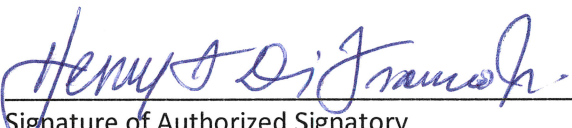
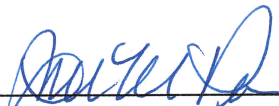

Principal Engineering, Inc.  
Company/Individual/Legal Entity Name

who, being first duly sworn, depose and state that I personally and as an authorized representative of the above identified legal person executes this continuing affidavit stating that neither the above named Contractor nor a person acting on its behalf, either directly or indirectly, employed, paid, nor promised any gift, consideration or commission to any person or legal entity to procure or assist in procuring this public contract, other than persons regularly employed by Contractor whose services were in the regular course of their duties for Contractor in connection with the construction, alteration or demolition of a public building or project.

The above named Contractor, if awarded, continually affirms that no part of the contract price received by Contractor was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services were in the regular course of their duties for Contractor.

The above named Contractor hereby attests and certifies that it does not have any unpaid assessment or penalty levied against it regarding unemployment compensation and currently does and will continue to properly classify each employee.

Contractor verifies that Contractor will collect an affidavit in this form from any approved subcontractor and forward a copy to: Saint John the Baptist Parish, 1801 West Airline Hwy, LaPlace, Louisiana 70068, no later than five business days after contracting with its subcontractor; however, in no instance shall the affidavit be received after commencement of work by the subcontractor.

<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div>Signature of Authorized Signatory</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px; margin-top: 10px;"><u>Henry I. DiFranco, Jr.</u></div> <div>Printed Name of Signatory</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px; margin-top: 10px;"><u>President</u></div> <div>Title of Authorized Signatory</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px; margin-top: 10px;"><u>RFQ-2016-03 Westbank WWTP Rehab.</u></div> <div>Project Name/Number</div>	<div>SUBSCRIBED AND SWORN BEFORE ME ON THIS</div> <div style="margin-top: 5px;"><u>9th</u> DAY OF <u>November</u> 201<u>3</u>.<u>6</u></div> <div style="border-bottom: 1px solid black; margin-top: 10px;"></div> <div>Notary Signature</div> <div style="margin-top: 10px;">Printed Notary Name: <div style="display: inline-block; border: 1px solid black; padding: 2px; text-align: center;"><div style="margin-left: 5px;">LAURIE M. PENNISON NOTARY PUBLIC NOTARY ID NO. 27275 ST. TAMMANY PARISH STATE OF LOUISIANA</div></div></div> <div style="margin-top: 5px;">Notary/Bar Roll Number: _____</div> <div style="margin-top: 10px;">My Commission is for/expires on: <u>upon death</u></div>
---	--



E-VERIFY AFFIDAVIT

STATE OF LOUISIANA

PARISH OF St. Tammany

BEFORE ME, the undersigned Notary Public PERSONALLY CAME AND APPEARED,

I, Henry I. DiFranco, Jr., the owner/authorized representative of  
Principal Engineering, Inc.  
Company/Individual/Legal Entity Name

who hereby personally and as the authorized representative of the above identified legal person executes this affidavit, as the undersigned Contractor verification of its current and future compliance with L.S.A. R.S. 38:2212.10, stating affirmatively that it and each individual, firm or corporation associated with it and engaged in the physical performance of services in the State of Louisiana, under a contract with St. John the Baptist Parish has registered with, is participating in, and shall continue to participate in a federal work authorization program designated as such under the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, as amended, which is operated by the United States Department of Homeland Security, known as the "E-Verify" program. The Contractor hereby verifies the legal status of all existing and new employees in the State of Louisiana by attesting herein that each is a citizen of the United States or legal aliens as defined by now effective immigration laws of the United States of America.

Contractor shall not assign this Contract or any monies due or to become due hereunder, or subcontract any part of the Work without the prior written consent of St. John the Baptist Parish.

Contractor verifies that Contractor will collect an affidavit in this form from any approved subcontractor and forward a copy to: St. John the Baptist Parish, 1801 West Airline Hwy, LaPlace, Louisiana 70068, no later than five business days of contracting with its subcontractor; however, in no instance shall the affidavit be received after commencement of work by the subcontractor.

Henry I. DiFranco, Jr.  
Signature of Authorized Signatory

\_\_\_\_\_  
Date E-Verify ID Assigned

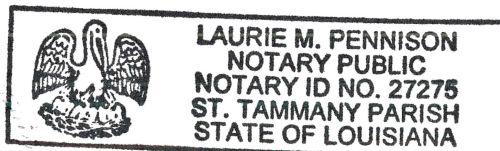
Henry I. DiFranco, Jr.  
Printed Name of Signatory

\_\_\_\_\_  
E-Verify ID

President  
Title of Authorized Signatory

SUBSCRIBED AND SWORN BEFORE ME ON THIS <sup>9th</sup> November, 20 16

[Signature]  
Notary Signature



Printed Notary Name: \_\_\_\_\_

Notary/Bar Roll Number: \_\_\_\_\_ My Commission is For/Expires: upon my death

