

JEFFERSON PARISH
SOQ 22-034 Resolution #139856
Water Pipeline Infrastructure Improvements
Project Management Capital Projects



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BURK-KLEINPETER, INC.
ENGINEERING • PLANNING • ENVIRONMENTAL

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PRESIDENT & CEO
MICHAEL D. CHOPIN, PE

SENIOR VICE PRESIDENTS
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HENRY M. PICARD, III, PE, PLS

VICE PRESIDENT
DAVID E. BOYD, PE

OVER 100 YEARS OF SERVICE

August 5, 2022

Jefferson Parish Purchasing Department
Mr. Renny Simno, Director
Joseph S. Yenni Building
1221 Elmwood Park Blvd., Suite 404
Jefferson, LA 70123

RE: SOQ 22-034 Resolution #1389856 Water Pipeline Infrastructure Improvement Project Management - Capital Projects

Mr. Simno:

In response to your request for qualifications, **Burk-Kleinpeter, Inc.** is pleased to submit one electronic copy of our qualifications for the above-referenced project.

BKI is a certified small business firm providing full-service, professional engineering and planning consulting services to public and private clients for over 110 years, with offices in Louisiana. We are fully capable and ready to provide professional services to Jefferson Parish for projects within the scope of Water Pipeline Infrastructure Improvement Project Management on Capital Projects.

Mr. Randy Schuler, currently the head of business development and water systems program at BKI, will be the project manager. He previously served from 1991-2010 as the Jefferson Parish Department of Water Director. His unsurpassed experience managing Jefferson Parish water projects makes him the best person to manage the waterline program responsibilities of this SOQ. In Conjunction with PE Henry Picard, they make for an unparalleled combination of waterline program management expertise. Our Metairie office will serve as the main project office for this assignment.

As an established firm committed to client satisfaction, we hope to assist the Parish in successful project implementation as outlined in the scope of services. We have a history of successfully completing similar scale projects on time for Jefferson Parish, and we hope to have the opportunity to continue that partnership.

We appreciate this opportunity to submit our qualifications and look forward to working for the Parish again in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read "H. M. Picard, III", is written over a blue circular stamp. Below the signature, the text "Henry M. Picard, III, PE, PLS" and "Senior Vice President" is printed.

Henry M. Picard, III, PE, PLS
Senior Vice President



NEW ORLEANS • MANDEVILLE • METAIRIE • SHREVEPORT

Burk-Kleinpeter, Inc.
TEC Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 22-034 Water Pipeline Infrastructure Improvements Project Management Capital Projects - Resolution 139856

B. Firm Name & Address:

BK| BURK-KLEINPETER, INC.

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Michael D. Chopin, PE - Principal | President, (504) 343-6254, mchopin@bkusa.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

David E. Boyd, PE - Civil Engineer - (504) 483-6271, dboyd@bkusa.com

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

<u>13</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>0</u> Geologists	<u>4</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>7</u> Civil Engineers	<u>0</u> Interior Designers	<u>1</u> Project Managers
<u>2</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>0</u> Ecologists	<u>0</u> Land Surveyor	<u>0</u> Grant/Funding Specialist
<u>0</u> Electrical Engineers	<u>0</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>2</u> Engineer Intern	<u>0</u> Environmental Engineers	<u>2</u> Planners
<u>0</u> Professional Land Surveyors	<u>6</u> CADD/GIS	<u>1</u> Designers
		<u>38</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES ___ NO x

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

TEC Professional Services Questionnaire

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

1. N/A

2. N/A

H. Has the JOINT-VENTURE previously worked together? Please Check
YES NO N/A

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

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

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

BKI: 12 Team: N/A

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Michael D. Chopin, PE (*Minimum Personnel Requirement No. 2*)
Principal / President

Project Assignment

Principal / QA/QC

Name of Firm with which associated



Years' experience with this Firm:

31

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1991 / Civil Engineering

Active registration: Year first registered/discipline

1996 / PE Civil, State of LA / No. 26797

Other experience and qualifications relevant to the proposed project:

Mr. Chopin is Principal/President at BKI. He is in charge of personnel, including schedules, staff, budgets, technical review, and account management. He has 26 years of professional engineering experience, and has provided professional consulting focused on a wide range of water utilities, water systems studies, and capital water program management. He has served as Project Manager or Project Engineer on numerous water system improvement projects and understands the multi-disciplinary aspects (road-drainage-sewer) of water system construction and design. He is a member of the American Society of Civil Engineers and the Society of American Military Engineers.

Mr. Chopin's applicable projects are listed on the following page.

TEC Professional Services Questionnaire

Mr. Chopin has worked on the following water pipeline infrastructure projects:

Shreveport Water Model - Shreveport, LA - As Principal, provided oversight for the creation of a WaterGEMS Water System model for the City of Shreveport. Included in the model were a maintenance and flushing program with the Emergency Services.

Kenner Water study - Jefferson Parish, LA - Provided oversight of the feasibility report detailing 4 possible locations for elevated water towers within the City of Kenner.

Westbank Water Storage Tank Evaluations & Rehabilitation - Jefferson Parish - Mr. Chopin provided Principal oversight during the evaluation and creation of plans and specifications for the 10 Westbank Water Storage Tanks rehabilitations which also included bidding construction administration, and resident inspection services.

Cheniere Water Tank - Grande Isle, LA - Provided project quality control, quality assurance and guidance for the engineering design and construction management services for a new 1,000,000 gallon ground storage tank and duplex pump station at the Jefferson Parish Water Department's Cheniere facility in Grand Isle, LA.

Bridge City Water Tank - Bridge City, LA - Provided QA/QC and guidance for the engineering design and construction management services for a new 100,000 gallon elevated storage tank, two 200,000 gallon ground tables.

Harvey (Fairmont) Water Tank - Harvey, LA - Responsible for the QA/QC as well as providing guidance for the engineering design and construction management services for a new 150,000 gallon elevated storage tank.

Gretna Blvd. Water Tower Replacement - Gretna, LA - Provided oversight for replacing an elevated 500,000 gallon water tank with a new elevated 500,000 gallon portable water tank, including demolition of the existing facility, new foundation piles, elevated ellipsoidal water tank, all required piping for water distribution, site improvements, perimeter fencing and electrical improvements.

Westwego Water Systems Improvements - Westwego, LA - Provided oversight of the water system analysis. Using the results of the analysis BKL submitted a \$5,000,000 grant application to the LA Water Sector Program. Included in the submission was a Westwego BPA Risk Assessment.

Gretna Water Replacement - Gretna, LA - As Project Manager provided oversight for the specifications for the City of Gretna to purchase and install over 1600 commercial water meters.

St. Bernard Water Treatment Plant - St. Bernard Parish, LA - As Principal, provided oversight on engineering calculations and mechanical design, product - material selection, and working document production for upgrades to a 12 million gallon per day water purification plant.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Randy Schuler (<i>Minimum Personnel Requirement No. 3</i>) <i>Business Development</i>
Project Assignment
Project Manager
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI', the company name 'BURK-KLEINPETER, INC.' is written in a smaller, blue, sans-serif font. Below the company name, the words 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL' are listed in a very small, blue, sans-serif font, separated by small dots.
Years' experience with this Firm:
6
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1976 / Marketing
Active registration: Year first registered/discipline
N/A
Other experience and qualifications relevant to the proposed project:
<p>Mr. Schuler has been working as the head of Business Development and water systems program management with BKI, since 2017. Previously he served as Jefferson Parish Department of Water Director from 1991-2010. Mr. Schuler oversaw the Jefferson Parish Department of Water Capital Projects Campaign 1994-2010. Although he is not a Professional Engineer as stated in Minimum Personnel Requirement #3, his unsurpassed experience managing Jefferson Parish Department of Water Projects makes him the best person to manage the waterline program responsibilities of this SOQ. In conjunction P. E. Henry Picard they make for unparalleled combination of waterline program management expertise.</p> <p><i>Mr. Schuler's applicable projects are listed on the following page.</i></p>

Mr. Schuler has worked on the following project:

Rehabilitation of Ten Canal Crossings - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, oversaw the rehabilitation of ten canal crossings rehabilitation. Canal Crossing Triton Square at Fairfax Street, Canal Crossing at Brooklyn Avenue at North Side Breaux Street, Canal Crossing at End of Deacon Street and Capital Drive, Canal Crossing Highway 90 and Capitol Drive, Canal Crossing Highway 90 and Lake Cataouche Pump Station Road, Canal Crossing 36th Street and Brown Avenue, Canal Crossing Behind Boucard Garden Center on Manhattan Boulevard and 9th Street, Canal Crossing Breaux (11th) Street, Canal Crossing Dogwood and Third Street, and Canal Crossing Wright Avenue Behind Oakwood Shopping Center.

Eastbank Valve and Fire Hydrant Replacement - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, oversaw the management of labor and equipment to install and remove for replacement, one hundred forty-six (146) fire hydrants and two hundred two (202) water valves of various sizes throughout the Eastbank water distribution system. Completed on January 18, 1997 for a total cost of \$624,778.

Replace and Repair Valves at East and West Bank Water Treatment Plants - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, oversaw the replacement of 102 valves at the East and West Bank Water Treatment Plants. The scope also involved replacement of the old valves and actuators to accommodate the Water Treatment Plants' automation. Which reduced down-time and provided for smoother operation. Completed on July 1999, with a project cost of \$1,034,000.

Airport Waterline - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, oversaw the installation of new 18" waterline loops north and south sides of the airport. This loop in addition to the 18" Bainbridge waterline results in excellent pressure and flow under the highest possible demand and provides necessary fire flow to the airport. Through this installation in the event of a disruption of the main 42" waterline along Duncan Canal is that the northwest side of Kenner can be back fed with water from this connection. It was installed through existing tunnel crossing under taxiway Echo and runway 10-28. Completed on March 2005, with a project cost of \$833,179.

Barataria Waterline Improvements - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, oversaw the installation of a 12" waterline along Barataria Boulevard (Isle Bonne Road) from the southern end of existing 4" line to Trahan Street. The existing 4" line was undersized and could not provide an adequate water supply or pressure for this area. Completed on June 2007, with a project cost of \$491,161.


Water System Assessment & Capital Improvement Plan - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, provided oversight for the creation of a comprehensive study of the water distribution system for the East and West Bank. The project focused on the assessment of the 10 year structural needs of water distribution system. Completed on March 2008, with a project cost of \$340,390.

Grande Isle Waterline - Jefferson Parish, LA - As Jefferson Parish Department of Water Director, oversaw the construction of 15,600' of 12" PVC / C-900 Waterline & 4-14" HDPE Crossings between Ludwig Lane & LA 1 to Admiral Craig & Pirated Cove Marina Rd. Complete on November 2009, with a project cost \$1,731,516.

Other Applicable Projects

- *Rehabilitation of Waterline Canal Crossing*
- *Water Plant Automation Phase5*
- *Installation of Quantity of Henry Pratt Butterfly Valves for East and West Bank Water*
- *Waste Water Pump and Motor at East Bank Water*
- *Patriot Street Waterline Relocation*
- *Screening System for West Bank River Intake*
- *18" Waterline Construction along Virginia Ave. From Veterans Memorial Hwy. to 25th Street*
- *Live Oak Blvd. 16" Waterline*
- *Nicole Blvd. Waterline*
- *Crown Point - Barataria Waterline*
- *Terrytown Water System Improvements*
- *Harvey Canal Waterline Crossing*
- *Water Treatment Plant Safe Rooms*
- *Repairing of Waterlines Crossing Under Railroad Tracks*

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Henry M. Picard, III, PE, PLS (<i>Minimum Personnel Requirements No. 3</i>) Senior Vice President
Project Assignment
Regional Manager
Name of Firm with which associated
 ENGINEERING PLANNING ENVIRONMENTAL
Years' experience with this Firm:
32
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1981 / Civil Engineering
Active registration: Year first registered/discipline
1986 / PE Civil, State of LA / No. 22289 1994 / PLS, State of LA / No. 4736 1996 / PE Civil, State of AL / No. 20937 2000 / PE Civil, State of FL / No. 56552
Other experience and qualifications relevant to the proposed project:
<p>Mr. Picard is a Senior Vice President at BKI with 36 years of professional engineering experience. He is in charge of project management, has extensive experience on water improvement projects involving water pipeline infrastructure with duties including pipe sizing recommendations, water improvement design, pump station design, raw water and waste water treatment projects and construction oversight of water improvement projects. In addition, Mr. Picard has provided construction oversight services for drainage improvement projects. He is an active member of the American Society of Civil Engineers and the Society of American Military Engineers.</p> <p><i>Mr. Picard's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire

Mr. Picard has worked on the following water pipeline infrastructure projects:

Jefferson Parish West Bank Water Storage Tanks Cleansing and Recoating - Jefferson Parish, LA - Provided project QA/QC and guidance for the preparation of the study and report for the cleansing and re-coating of the interiors and exteriors of Jefferson Parish's 10 West Bank Water Storage Tanks.

Cheniere Water Storage Tank - Grand Isle, LA - As Principal, provided QA/QC, design oversight and project management for a new 1,000,000 gallon potable water storage tank and variable frequency drive pumps. Project included phased construction and demolition of existing tanks on a very tight footprint at the site.

Bridge City Water Tank - Bridge City, LA - Provided project QA/QC and guidance for the engineering design and construction management services for a new 100,000 gallon elevated storage tank, two 200,000 gallon ground tables.

Harvey (Fairmont) Water Tank - Harvey, LA - Providing project QA/QC and guidance for the engineering design and construction management services for a new 150,000 gallon elevated storage tank.

Rehabilitation of the Fifth Street Water Tower - Gretna, LA - Provided oversight for engineering plans and specifications created for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street.

Gretna Water System Model - Gretna, LA - As Project Manager, provided engineering oversight and guidance during a study of Gretna's water network which included the examination of the existing system, recommendations for improvements on the computer network model BKI created to evaluate the present system.

New Orleans Sewerage and Water Board Sewer Repairs Program Management - New Orleans, LA - As Principal provided QA/QC and guidance for civil design review services, including project closeout to oversee major repairs and replacements at 85 sewer pumping stations in the City of New Orleans damaged by Hurricane Katrina. This project utilized FEMA and HMGP funding.

St Bernard Raw Water Intake Structure - St. Bernard Parish, LA - As Principal, provided QA/QC and engineering oversight for the design of the new 18 MGD raw water intake pumping station located on the Mississippi River in St. Bernard.


Lions Water Treatment Plant Pump Station Intake Project - St. John the Baptist Parish, LA - Provided civil engineering for the improvement of the pumping capacity and the ability to pump during low water levels in the Mississippi River for the Old Raw Water Pump Station located at the Lions WTP.

Repairs to Pascagoula/Moss Point and Escatawpa WWTPs - Jackson County, MS - As Principal, provided QA/QC and engineering oversight of the design services for the repair and replacement of the existing equipment at the Pascagoula/Moss Point (PMP) and Escatawpa Wastewater Treatment Plants. Design services included design services included the modifications to plant process equipment that allowed for the ammonia and phosphorus removal in anticipation of new limits set by the Mississippi Department of Environmental Quality. Repairs were also completed at the headworks of both plants.

JCUA Gautier WWTP Improvements - Gautier, MS - Provided project management and oversight services for the repair and modification design to two 60-ft. diameter clarifiers and the non-potable system's revamp. Mechanical equipment, the scum pump, and the RAS/WAS pumps were removed and replaced. RAS/WAS pump piping was simplified. Clarifier mechanism control panels, RAS/WAS pumps, and scum pump were installed.

Maplewood Area Drainage - Harvey, LA - Principal provided project supervision and sub-consultant coordination for the development of construction drawings and specifications for the installation of 9,100 linear feet of storm water culverts, 33 junction boxes, 80 catch basins, and 3,500 square yards of paving. FEMA Hazard Mitigation Grant Program funds were awarded to Jefferson Parish after Hurricane Gustav, and the project would improve drainage in the Maplewood subdivision, which has historically flooded during intense rainfall events.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
David E. Boyd, PE (<i>Minimum Personnel Requirement No. 4</i>) Vice President
Project Assignment
Supervisor
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three horizontal lines, each followed by a word: 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL'.
Years' experience with this Firm:
16
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2004 / Civil Engineering
Active registration: Year first registered/discipline
2010 / PE Civil, State of LA / No. 35510
Other experience and qualifications relevant to the proposed project:
<p>Mr. Boyd is a Vice President in BKI's Civil Engineering Division. Since 2006, Mr. Boyd has provided BKI's public and private clients with professional consulting engineering services for water infrastructure improvement projects. Mr. Boyd is proficient in water system modeling using Bentley's Water Gems Software. He has extensive experience in drainage, water, waste water, and pump station design as well as several projects of note include several water infrastructure projects plans for various parishes; these projects involved analyzing existing conditions and future conditions as well as system improvements. In addition, Mr. Boyd has extensive experience in Hydraulic Modeling, drainage-roadway-sewer design.</p> <p><i>Mr. Boyd's applicable projects are listed on the following page.</i></p>

TEC Professional Services Questionnaire

Mr. Boyd has worked on the following water pipeline infrastructure projects:

Jefferson Parish West Bank Water Storage Tanks Cleansing and Recoating - Jefferson Parish, LA - Project Manager for the preparation of the study and report for cleansing, re-coating, and repairing structural deficiencies deemed necessary to maintain the water storage tanks in proper working order in order to continue to provide quality water service for the citizens of Jefferson Parish.

Bridge City Water Tanks Rehabilitation - Bridge City, LA - Providing QA/QC of the construction documents to ensure accuracy in creation of bid documents for the rehabilitation to an elevated 100,000 gallon and two ground 200,000 gallon water tanks. The rehabilitation includes full exterior blast-coating; structural repairs; and painting the new Jefferson Parish logo on the exterior.

Harvey (Fairmont) Water Tank - Harvey, LA - Provided project QA/QC and guidance for the engineering design and construction management services for a new 150,000 gallon elevated storage tank.

Westwego Water Systems Improvements - Westwego, LA- Served as Project Manager over the water system analysis and provided QA/QC services for the Water Sector Grant application ensuring thoroughness, accuracy, and completeness. Using the results of the analysis BKL submitted a \$5,000,000 grant application to the LA Water Sector Program which included a Westwego BPA Risk Assessment.

Kenner Water Study - Kenner, LA - As Civil Engineer, provided design services for the feasibility study for the site identification of elevated water tower.

Maplewood Area Drainage Improvements - Harvey, LA – Project engineer for the development of construction drawings and specifications for the installation of 9100 linear feet of storm water culverts, 33 junction boxes, 80 catch basins and 3500 square yards of paving. Hazard Mitigation Grant Program Funds were awarded to Jefferson Parish after Hurricane Gustav to improve drainage in the Maplewood subdivision.

Stumpf Boulevard Drainage Improvements - Gretna, LA - City Engineer / City of Gretna liaison for the installation of a 72-inch drainage pipe in the Stumpf Boulevard Canal. The pipe would provide sufficient capacity to convey storm water while addressing bank erosion. Adjacent travel lanes along Stumpf Boulevard were replaced after the base failed and roadway surface settled or warped.

Peters Road Bridge and Extension (SPN H.008068, SPN H.008069, SPN H.008244) - Plaquemines and Jefferson Parishes, LA - Civil – Hydraulic Engineer responsible for determining the hydraulics necessary for construction High Level Bridge over the Intercoastal Canal in Belle Chasse, LA. Bridge pier and bent configurations were determined by performing bridge scour computations in the United States Army Corps of Engineers (USACE) HEC RAS-Unsteady State hydraulic model titled East of Harvey Canal (EOH) SELA Flood Control Projects.

Breaux Ditch Improvements - Jefferson Parish, LA - Project Manager provided contract and client management, design oversight, and quality control for the replacement of the existing ditch with a 4'x8' reinforced concrete flume to provide improved maintenance and stability.

Marvin Braud Drainage Pump Station - Ascension Parish, LA - Performed hydrologic and hydraulic analysis of open channel drainage network in Ascension Parish, LA using HEC-HMS and HEC-RAS unsteady state model to evaluate future runoff based upon projected land usages and pump station expansion requirements to drain Ascension Parish in the future.

Wardline Road Drainage Improvements - Hammond, LA - Civil/Hydraulic Engineer performed the hydrologic and hydraulic study and prepared the report for improvements to the system to eliminate backwater flooding from a 10-year design storm. Project encompassed a topographic, drainage structure, and drainage area survey; a hydrologic and hydraulic study; and construction administration services.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Daniel S. Caluda, Jr. (Minimum Personnel Requirement No. 4) <i>Associate, Mechanical Designer</i>
Project Assignment
Mechanical Design
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, sans-serif font. Below the company name are three words: 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL', each preceded by a small blue dot.
Years' experience with this Firm:
40
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1981 / Petroleum Engineering
Active registration: Year first registered/discipline
N/A
Other experience and qualifications relevant to the proposed project:
<p>Mr. Caluda is an Associate with major technical responsibility in the Mechanical Engineering Division of BKI. Mr. Caluda's professional experience includes water and wastewater systems, lift station design and rehabilitation, sewer systems, drainage, HVAC, plumbing, sprinklers, and mechanical/industrial systems. Mr. Caluda's experience with the design of drainage pump stations and wastewater treatment plant pump stations dates to 1987. He has designed new pump stations and pump station improvements with capacities ranging from 150 CFS to 2,000 CFS. Mr. Caluda has provided mechanical design services for dozens of pump stations in the Greater New Orleans region and has overseen design and construction of two of the largest pump stations in the world.</p> <p><i>Mr. Caluda's applicable projects are listed on the following page.</i></p>

Mr. Caluda has worked on the following water pipeline infrastructure projects:

Cheniere Water Storage Tank - Grand Isle, LA - Mechanical Designer for the Cheniere project included replacement of the existing booster pump system and the elevated storage tank with a new 500 gallon per minute, variable speed, vertical turbine pump system to provide fire protection water flow for the Town of Grand Isle. The booster system utilized stored water from both an existing 500,000 gallon ground water storage reservoir and the project added additional water storage with another 1,000,000 gallon capacity, which replaced the demolished elevated storage tank. The project also included re-piping the new pumping and storage system into the existing water piping while adding motor actuated valves for remote control of the entire system. Additional aspects of the project included extension of the chemical addition system to the new storage tank and installation of an emergency generator to backup electrical power for the entire site.

Gretna Blvd. Water Tower Replacement - Gretna, LA - Provided Construction Administration for the preparation of plans and specifications for replacing an elevated 500,000 gallon water tank with a new elevated 500,000 gallon potable water tank. The scope included demolition of the existing facility, new foundation piles, and elevated ellipsoidal water tank which all required piping for water distribution, site improvements, perimeter fencing, and electrical improvements.

Rehabilitation of the Fifth Street Water Tower - Gretna, LA - Provided mechanical design for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street.

Shreveport Water Model - Shreveport, LA - Provided QA/QC for the City of Shreveport to provide analysis of the existing potable water distribution system, review previous engineering studies for the city and formulate recommendations for near-term, short-term and long-term protective measures to the City distribution system.

Kenner Water Study - Kenner, LA - Developed alternative modeling methodology where outside agencies can run the model and predict the changes in water pressure availability based on the placement of additional water towers and increased plant production.

S&WB FEMA Sewerage Repairs Program Management - New Orleans, LA - Provided mechanical design management to the repairs of 65 sewer lift stations damaged from Hurricane Katrina in the City of New Orleans as well as flood control improvements at the main waste water plant with an estimated construction cost of \$69,000,000.

Repair of Precipitator #2 Gretna Water - Gretna, LA - Mechanical Designer for the rehabilitation design as well as completed a cost estimate for both possible steel and fiberglass options that would be utilized for the repairs and upgrades on two (2) 2.5 mgd precipitators/ upflow clarifiers.

Marrero WWTP Headworks - Marrero, LA - Mechanical Designer for the improvements to the headworks at the WWTP located on the Westbank of Jefferson Parish. Improvements included upgrades to several process areas including replacement of trash screens, modification to the grit chamber pumping and grit processing equipment, a new elevated control room, and repairs to equipment used for loading of processed sludge and trash screen debris into trucks.

S&WB WTP 100 MGD - New Orleans, LA - Provided mechanical engineering services associated with the preliminary and final design of a 100 MGD parallel treatment train.

Lions Water Treatment Plant Pump Station Intake Project - St. John the Baptist Parish, LA - Provided mechanical engineering for the improvement of the pumping capacity and the ability to pump during low water levels in the Mississippi River for the Old Raw Water Pump Station located at the Lions WTP.


St Bernard Water Treatment Plant - St. Bernard Parish, LA - Provided HVAC design for the plant upgrades, which included replacement of the majority of the existing 12 million gallons per day primary treatment equipment.

St Bernard Raw Water Intake Structure - St. Bernard Parish, LA - Provided mechanical design for the St. Bernard raw 18 MGD raw water intake pumping station.

East Bayou Road Waterline Engineering Design - Belle Chasse, LA - Project Designer provided the mechanical and civil element designs and project management for the extension design of approximately 1,000 linear feet of a 12" waterline.

North Water Plant & B St. Water Plant Improvements - Meridian, MS - Created the mechanical design of filter basin improvements, filter pipe gallery improvements, new water supply wells, and a new raw water main. The project includes filter media replacement, filter basin repairs, filter under-drain maintenance, installation of a protective coating on the filter basin walls, installation of two new water supply wells, and installation of 2,700 linear feet of 20" PVC water main at the North Plant.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
René A. Chopin, III, PE (<i>Minimum Personnel Requirement No. 4</i>) <i>Senior Vice President / Chief Engineer</i>
Project Assignment
Structural Engineer
Name of Firm with which associated

Years' experience with this Firm:
34
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1988 / Civil Engineering
Active registration: Year first registered/discipline
1993 / PE Civil, State of LA / No.25174 2001 / PE Civil, State of TX / No.87547 2001 / PE Civil, State of FL / No.56402 2001 / PE Civil, State of MS / No.15600 2018 / PE Civil, State of AL / No.37326
Other experience and qualifications relevant to the proposed project:
<p>Mr. Chopin is a Senior Vice President/Chief Engineer at BKI, in charge of project production, project management, and staff supervision. He has provided professional consulting focused on a wide range of water system, flood protection, and transportation designs, serving as Project Manager or Project Engineer on numerous water system bridge, roadway, dock, wharf, structural, and flood protection projects. Mr. Chopin's projects have garnered awards and commendations from the American Concrete Institute Louisiana Chapter and the National Partnership for Highway Quality. He is also a member of the American Society of Civil Engineers and the American Concrete Institute of which he is Past President of the Louisiana Chapter.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

Mr. Chopin has worked on the following applicable projects:

Cheniere Water Storage Tank - Grand Isle, LA - Senior Structural Engineer for the design of the pile supported slab of a 1,000,000 gallon water storage tank as well as provided the structural design for an elevated pump house building and control room.

Rehabilitation of the Fifth Street Water Tower - Gretna, LA - Provided structural engineering for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street.

Lions Water Treatment Plant Pump Station Intake Project - St. John the Baptist Parish, LA - Provided structural engineering for the improvement of the pumping capacity and the ability to pump during low water levels in the Mississippi River for the Old Raw Water Pump Station located at the Lions WTP in St. John the Baptist Parish.

St Bernard Raw Water Intake Structure - St. Bernard Parish, LA - Provided structural design for the St. Bernard new 18 MGD raw water intake pumping station.

North Water Plant & B St. Water Plant Improvements - Meridian, AL - As Principal provided QA/QC oversight for the design, bidding, construction engineering, inspection, and project closeout for improvements to the two (2) water treatment plants. The design included filter basin improvements, pipe gallery improvements, new water supply wells, and new raw water main.

Jefferson Parish Rosethorne Sewage Treatment Plant - Lafitte, LA - Provided QA/QC for a new 0.5 MGD average daily flow treatment facility to take the place of an existing Rosethorne WWTP. BKI's design included all process equipment and controls, pumps, piping, and other items to construct a complete and functional WWTP including rehabilitation of the existing sewer lift station and a new effluent pump station.

25th Street Canal Drainage Improvements Project (Resiliency District) - Gretna, LA - Principal provided QA/QC oversight for the design of alternate storm water runoff routing during high-intensity events. The design included existing system analysis, recommended pipe sizes for alternate flow routes when the Heebe Canal stage exceeds water surface elevations and designing improvements within 25th St. Canal to handle the additional flow to feed the proposed 25th St. Drainage pump station. This project included the development of a closed, pump-controlled system for the 2 subdivision that will alleviate flooding during high-intensity rainfalls.

Harvey Canal Floodwalls and Frontal Protection - Jefferson Parish, LA - As Structural Engineer provided oversight for the preparation of the Design Documentation Report, rights-of-way drawings, and plans and specifications. The scope includes new floodwalls (T-walls) and frontal protection along the Harvey Canal from the Hero Pumping Station to the Algiers Canal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
René A. Chopin, IV, PE (<i>Minimum Personnel Requirement No. 4</i>) <i>Civil Engineer</i>
Project Assignment
Civil and Hydraulic Engineering
Name of Firm with which associated

Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2013 / Civil Engineering
Active registration: Year first registered/discipline
2018 / PE Civil, State of LA / No. 42349
Other experience and qualifications relevant to the proposed project:
<p>Mr. Chopin is a Registered Professional Civil Engineer in Louisiana with a focus on Hydraulic and Hydrologic Engineering. His experience includes the use of the Department of Transportation and Development HYDR 2009 and HEC-RAS programs to calculate drainage flows and pipe capacities. He has worked on various projects such as lift station design and rehabilitation, roadway and drainage improvement projects, master drainage plans, levee and storm water prevention projects, and harbor improvements including dredging. His responsibilities have included performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration. He is a Member of the American Society of Civil Engineers and the Society of Military Engineers as well as holding a TWIC card.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

Mr. Chopin has worked on the following Civil Engineering projects:

Maplewood Area Drainage Improvements - Harvey, LA - Civil Engineer performed construction administration duties including verifying quantities, reviewing as-built plans, and reviewing field inspection reports for drainage improvements in the Maplewood subdivision area, which had historically flooded during intense rainfall events.

Earhart Expy - Causeway Blvd Interchange - Jefferson Parish, LA - Provided civil engineering services for the design of a new interchange between Earhart Expressway (LA3139) and Causeway Boulevard (LA 3046). Mr. Chopin analyzed the existing drainage network and designed the drainage for the new interchange, in accordance with LADOTD's Hydraulic Manual.

25th Street Canal Drainage Improvements - Gretna, LA - Provided Hydraulic and Hydrologic engineering services for alternate routing of storm water runoff during high-intensity events for the 25th Street Canal subdivisions. This includes analyzing the existing system, providing recommended pipe sizes for alternate flow routes when the Heebe Canal stage exceeds water surface elevations that would close flap gates to be installed on the current outfall pipes, and designing improvements within 25th Street Canal to handle the additional flow to feed the proposed 25th Street drainage pump station. In working with our Mechanical Department, BKL developed a closed, pump-controlled system that will alleviate the problematic flooding during high-intensity rainfalls.

Gabriel Runoff Control Piping Relocation - New Orleans, LA - Civil Engineer created construction documents for relocating a trunk line adjacent to the levee.

Lafitte Area Independent Levee District Tidal Levee Protection System - Paillet Basin - Lafitte, LA - Civil engineer assisting in plans and specifications and cost estimates for flood protection system to protect the town of Jean Lafitte. The project includes levees, floodwalls, and pump stations.

St. James Master Drainage Plan / Flood Protection Project - St. James and Ascension Parishes, LA - Civil Engineer surveyed existing culverts in St. James Parish, analyzed data, and reassessed deficiencies to provide a suitable solution. Assisted in creating plan sheets of analyzed culverts to provide the Parish with a Master List. Created existing and proposed surface models in AutoCAD Civil 3D.

St. James Parish Interior Drainage Improvements - Driveway Culverts - St. James Parish, LA - Civil/Hydraulic Engineer creating design documents for an inventory of existing driveway drainage culverts including their size, type, and condition as well as mentoring an engineers-in-training in hydraulic and hydrologic engineering.

Sharp Road Detention Pond - Mandeville, LA - Provided civil engineering services for the development of a detention pond and drainage improvements near Asbury Drive, Century Oaks Lane, Sharp Road, Marquette Street, and Cypress Lake. Existing storm drainage channels and pipe culverts were upgraded from a 10-Year Storm Event capacity to a 25-Year Storm Event capacity. The project included a 15.5 acre-foot detention pond with an overflow weir structure, 342 linear feet of concrete pipe or pipe arch, and 3,000 linear feet of channel widening.

Wardline Road Drainage Improvements - Hammond, LA - Provided civil engineering services for improvements to the system to eliminate backwater flooding from a 10-year design storm. Project encompasses a topographic, drainage structure, and drainage area survey; a hydrologic and hydraulic study; and construction administration services.

Blue Swamp Creek Cleaning & Grading Maintenance - Covington, LA - Provided civil engineering and guidance for the preparation of preliminary design, final design, bidding assistance, and construction administration for the snagging and maintenance repairs to 2.4 miles of the Blue Swamp Creek.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Timothy Koenig, PE (Minimum Personnel Requirement No. 4) Associate - Civil Engineer
Project Assignment
Civil Engineer
Name of Firm with which associated

Years' experience with this Firm:
19
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1998 / Microbiology Bachelor of Science / 2004 / Civil Engineering
Active registration: Year first registered/discipline
2009 / PE Civil, State of LA / No. 35079
Other experience and qualifications relevant to the proposed project:
<p>Mr. Koenig is an Associate Civil Engineer at BKI and received Bachelor of Science in Civil Engineering from the University of New Orleans. Since joining BKI in 2004, Mr. Koenig has provided professional consulting services to public and private clients throughout the Gulf South region. His areas of expertise include water, rail, structural, and industrial design. Most notably, Mr. Koenig has been an integral part of Hurricane Katrina recovery at the Port of New Orleans. He has provided these services for a wide range of projects, serving as Project Engineer on numerous water; sewer; drainage; and roadway and transportation projects. He has escort privileges and TWIC card.</p> <p><i>Mr. Koenig's applicable projects are listed on the following page.</i></p>

Mr. Koenig has worked on the following Civil Engineering projects:

Jefferson Parish West Bank Water Storage Tanks Cleansing and Re-coating - Jefferson Parish, LA - Providing civil design for the preparation of the study and report for the cleansing and re-coating of the interiors and exteriors of the West Bank Water Storage Tanks.

Cheniere Water Storage Tank - Grand Isle, LA – Provided civil site plan design for the pile supported slab of a 1,000,000 gallon water storage tank as well as provided the structural design for an elevated pump house building and control room.

Bridge City Water Tanks Rehabilitation - Bridge City, LA -Project Engineer for creation of construction documents, cost estimates, bidding, construction administration, and inspector supervision for the rehabilitation to an elevated 100,000 gallon and two ground 200,000 gallon water tanks. The rehabilitation includes full exterior blast-coating; structural repairs; and painting the new Jefferson Parish logo on the exterior.

Harvey (Fairmount) Water Tank - Harvey, LA - Worked with coating inspection expert to generate condition report for a 150,000 gallon elevated water tank. The report included multiple options for coating replacement and structural repairs to the water tower. Developed bid package based on repair recommendations including drawings and specifications for replacement of existing interior and exterior coating system as well as other repairs to the tank and associated piping. Submitted project permit application to the Louisiana Department of Health for approval.

Jefferson Parish Rosethorne Sewage Treatment Plant - Lafitte, LA - Civil Engineer for the design of a new 0.5 MGD average daily flow treatment facility to take the place of an existing Rosethorne WWTP. BKI's design included all process equipment and controls, pumps, piping, and other items to construct a complete and functional WWTP including rehabilitation of the existing sewer lift station and a new effluent pump station were part of the design.


Master Drainage Plan / Flood Protection Project - St. James and Ascension Parishes, LA - Provided civil engineering services for the design of flood protection projects which included developing levee alignments, conceptual pump station, floodgate, pipeline crossing designs, and cost estimates.

St. James Parish East Bank Master Drainage Plan, Culvert Analysis, and Design Program - St. James Parish, LA - Provided civil engineering services for the preparation of preliminary design services for drainage improvements to LA 3125 including plan and profile sheets, cross sections, quantities, and a project cost estimates to alleviate flooding in the existing subdivisions and agricultural lands through development of better outfalls. The study was performed utilizing the HEC-GEOHMS and HEC-RAS modeling software to determine the potential of improving the existing canals or the need for a new outfall. The Master Drainage Plan resulted in BKI's participation in an Eastbank-wide culvert analysis and design program partly funded by the LADOTD Statewide Flood Control Program and GOHSEP grants.

Wardline Road Drainage Improvements - Hammond, LA - Civil Engineer provided design and plan preparation services for drainage improvements that aimed to reduce or eliminate flooding in the Wardline Road area from a moderate (10-year frequency) rainfall event. BKI's services included surveys, a hydraulic and hydrologic study, road design, storm drainage, and construction administration services.

CN/IN Railroad Master Service Agreement - Multiple Parishes, LA - Provided civil engineering for the preparation of permits, feasibility studies, preliminary and final designs, bidding assistance, construction administration, and resident inspection.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Galen Light <i>Lead GIS Analyst, MGIS, GISP, PMP</i>
Project Assignment
GIS Analyst / Water Gems Modeler
Name of Firm with which associated

Years' experience with this Firm:
16
Education: Degree(s)/Year/Specialization:
Associate of Science / 1995 / Computer-Aided Drafting and Design Bachelor of Science / 2015 / General Studies / Concentration Applied Sciences Master of Science / 2018 / Geographic Information Systems
Active registration: Year first registered/discipline
2020 / Geographic Informations Systems, State of LA / No. 160730 2019 / Project Management Professional, State of La / No. 2635767
Other experience and qualifications relevant to the proposed project:
<p>Mr. Light is a GIS Analyst in our Shreveport office with over 26 years of experience in GIS and CAD drafting. Prior to obtaining his training in GIS and CAD, he served in the military for 6 years. He holds a Master of Geographic Information Systems (GIS) as well as certification as a Project Management Professional and is currently pursuing a Masters degree in Industrial Engineering. Mr. Light is proficient in the use of WaterGEMS, Excel, Access, ESRI GIS, and AutoCAD software. Prior to joining BKI, he was employed as a Designer Draftsman for Gordon Inc. in Bossier City, LA. He also served the Lead Design Drafter for Kellogg, Brown & Root in Baghdad, Iraq where he provided support for ongoing military construction projects. Prior to that he was the Lead Mechanical Designer Draftsman for Bethlehem Steel in Sparrows point Maryland. Mr. Light is also an ESRI Certified GIS Desktop Associate, is a certified NASSCO PACP/LACP & MACP user, and is a certified Six Sigma Green Belt.</p> <p><i>Mr. Light's applicable projects are listed on the following page.</i></p>

Mr. Light has worked on the following projects:

Shreveport Water Model - Shreveport, LA - Water Modeler/GIS Analyst - Built, calibrated, maintained, and regularly updated City-wide water distribution model using WaterGEMS, ArcGIS, and field data since its inception in 2007. Provided training to City staff and wrote technical documentation for project which included drawings, maps associated with data collection, demand analysis and determination, geocoding billing meters, existing conditions model, assessment of improvements, performed population projections, and gave recommendations for implementation. The model holds the distinction of being the first - and currently the only - model to be accepted by the Property Insurance Association of Louisiana.

Backflow Prevention/Water Distribution Study - Shreveport, LA - Water Modeler: Built, calibrated, and regularly update the City-wide WaterGEMS water distribution model. Trained City staff and wrote technical documentation including drawings, maps, demand analysis and determination, geocoding billing meters, existing conditions model, cost analysis, and recommendations and implementation.

36" Water Main-Walker Rd To St Vincent - Shreveport, LA - CAD Drafter responsible for the development of drawings for the preparation of plans and specifications for the construction of a 4.5 mile - 36" potable water transmission line to provide needed improvements to the water distribution system in Southeast Shreveport. Also, performed water modeling services to evaluate the project's City-wide impact on the distribution system.

EPA/DOJ Negotiations on Sanitary Sewer System (AKA: Shreveport Sanitary Sewer Evaluation Survey) - Shreveport, LA - As Database Manager/GIS analyst, created and maintained databases for evaluating and assessing of over 3,000,000 linear feet of sanitary sewer line through a sanitary sewer evaluation survey (SSES). Performed spatial analysis including linear referencing and geocoding through ESRI's extensions. Assessed sewer gravity mains and manholes based on CCTV footage, smoke tests, sonar, dye testing, 3d inspections, and recommended rehabilitation method were needed. Designed, created, and exported maps and forms detailing the findings and recommendations. Overhauled and modernized the design of the City's Wastewater GIS database as a result of the SSES evaluation findings recommended rehabilitation.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stephen Pederson <i>GIS Analyst</i>
Project Assignment
GIS Analyst / Water Gems Modeler
Name of Firm with which associated

Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2013 / Geographic Informations Systems Master of Science / 2022 / Transportation Planning
Active registration: Year first registered/discipline
N/A
Other experience and qualifications relevant to the proposed project:
<p>Mr. Pederson re-joined BKI in 2019 as a GIS Analyst after previously working in the Shreveport office as an Engineering Technician. His areas of expertise are in spatial analysis and municipal asset management including sewer/water/drainage and transportation and roadway/traffic projects. He has extensive experience in using GIS to develop information products, maps, presentations, and reports. He has a Bachelor of Science in Geographic Information Science from Louisiana Tech University in Ruston and is proficient in MS Access and Office Products, and ArcGIS by ESRI software.</p> <p><i>Mr. Pederson's applicable projects are listed on the following page.</i></p>

Mr. Pederson has worked on the following projects:

Shreveport Water Model - Shreveport, LA - GIS Technician provided GIS analysis for an assessment of the potable water distribution system, a review of previous engineering studies for the City, and recommendations for near-term, short-term and long-term protective measures to the distribution system. The project includes data collection, demand analysis and determination, existing conditions model, assessment of improvements, population projections, and implementation recommendations.

City of Shreveport Miscellaneous Sewer Design Projects - Shreveport, LA - Created GIS documents for preliminary design reports, survey, utility coordination, environmental assessments, and final design of each of the task orders as a part of the remediation measures plan for the approximately 1,000,000 LF of gravity sewer to be rehabbed in Phase I.

City of Shreveport Master Drainage Plan and GIS Updates - Shreveport, LA - GIS Analyst charged with reviewing and updating GIS database based on the city's master drainage plan as-built and engineering plans. Georeferencing and geolocating assets and updating attribute information according to existing database schema. Tasks consist of project management for time and accuracy such that all assets are updated and verified within the project budget and consulting with team, client, and subcontractor to update database and communicate changes.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Kim Henry (<i>Minimum Personnel Requirement No. 4</i>) <i>Admin Assistant</i>
Project Assignment
Document Control Specialist
Name of Firm with which associated

Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
N/A
Active registration: Year first registered/discipline
N/A
Other experience and qualifications relevant to the proposed project:
<p>Ms. Henry has been working at BKI since 2007. She helps with documentation management on multidisciplinary projects.</p> <p><i>Ms. Henry's applicable projects are listed on the following page.</i></p>

Ms. Henry has worked on the following projects:

Kenner Water Study - Kenner, LA - Providing support clerical services to engineering staff on the feasibility study needed for site identification of an elevated water tower.

Bridge City Water Tanks Rehabilitation - Bridge City, LA - Providing support clerical services to engineering staff creating the construction documents, cost estimates, bidding, construction administration, and inspector supervision for the rehabilitation to an elevated 100,000 gallon and two ground 200,000 gallon water tanks. The rehabilitation includes full exterior blast-coating; structural repairs; and painting the new Jefferson Parish logo on the exterior.

Cheniere Water Storage Tank - Grand Isle, LA - Providing support clerical services to engineering staff for the design of the pile supported slab of a 1,000,000 gallon water storage tank as well as provided the structural design for an elevated pump house building and control room.

New Orleans Sewerage and Water Board Sewer Repairs Program Management - New Orleans, LA - Provided support clerical services for the major repairs and replacements at 85 sewer pumping stations in the City of New Orleans damaged by Hurricane Katrina. This project utilized FEMA and HMGP funding.

Westwego Water Systems Improvements - Westwego, LA - Providing support clerical services to the engineering staff creating Water Sector Grant Application for the City of Westwego.

St. Bernard Water Treatment Plant - St. Bernard Parish, LA - Provided support clerical services to the engineering staff creating the plant upgrade designs which included the majority of the existing 12 mgd primary treatment equipment.

St Bernard Raw Water Intake Structure - St. Bernard Parish, LA - Provided support clerical services to the engineering staff for the design of the new 18 MGD raw water intake pumping station located on the Mississippi River in St. Bernard.

Repair of Precipitator #2 Gretna - Gretna, LA - Provided support clerical services to the engineering staff on the design and creation of the cost estimate and bid documents for the repairs and upgrades on two (2) 2.5 mgd precipitators/upflow clarifiers.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Alesia Taylor (<i>Minimum Personnel Requirement No. 3</i>) <i>Admin Assistant</i>
Project Assignment
Document Control Specialist
Name of Firm with which associated

Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
Associate Degree /1984/ Business Studies/Data Processing
Active registration: Year first registered/discipline
N/A
Other experience and qualifications relevant to the proposed project:
<p>Ms. Taylor is a Document Control Specialist at Burk-Kleinpeter, Inc. Her major responsibilities have included work for approximately 30 projects to rebuild sewer stations for the Sewerage & Water Board of New Orleans. As a Document Control Specialist, she is adept at organizing, filing, scanning and copying all emails, submittals, transmittals, meeting minutes, change orders, pay applications and invoices for the construction management team. In addition, she coordinates entry of contract information in Primavera, assures all inspectors have copies of approved submittals, verifies completeness of the document file, and prepares close-out binders, CDs, and boxes.</p> <p><i>Ms. Taylor applicable projects are listed on the following page.</i></p>

Ms. Taylor has worked on the following projects:

Cheniere Water Storage Tank - Grand Isle, LA - Providing support clerical services to engineering staff for the design of the pile supported slab of a 1,000,000 gallon water storage tank as well as provided the structural design for an elevated pump house building and control room.

Bridge City Water Tanks- Bridge City, LA -Providing support clerical services to engineering staff creating the construction documents, cost estimates, bidding, construction administration, and inspector supervision for the rehabilitation to an elevated 100,000 gallon and two ground 200,000 gallon water tanks. The rehabilitation includes full exterior blast-coating; structural repairs; and painting the new Jefferson Parish logo on the exterior.

New Orleans Sewerage and Water Board Sewer Repairs Program Management - New Orleans, LA - Organized, filed, scanned and copied all emails, submittals, transmittals, meeting minutes, change orders, pay applications and invoices for the construction management team. She set up contract information in Primavera, assured all inspectors had copies of approved submittals, verified completeness of the document file, and prepared close-out binders, CDs, and boxes.



TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Shreveport Water Model <i>Shreveport, LA</i> William Daniel City of Shreveport Director 505 Travis Street Ste. 580 Shreveport, LA 71101 (318) 673-1540	BKI created both hydraulic and electronic models of the existing potable water distribution system in the City, which were used to predict flow, pressure, residual, age, contaminant transport and other parameters of the improvements. The models also made future connections between it and the City's GIS, and SCADA system feasible. The hydraulic analysis began with creating a representative computer model of the existing potable water distribution system in the City. It was calibrated with data obtained from a field testing and investigation program. This model was a hydraulic and water quality model, useful for prediction in flow, pressure, residual, age, contaminant transport and other parameters. With the calibrated model a detailed review was completed, stressing homeland security, fire preparedness, residual disinfectant levels, and sufficient pressures. The entire model was constructed and all computations were performed within an ArcGIS framework. This allowed the City of Shreveport GIS data to be used as raw input and the model output to be reviewed within the City's GIS database making future connections between the model, the City's GIS, and the City's SCADA system feasible. Upon completion of the model, BKI was retained under a maintenance contract to assist the City with model updates and also to analyze a variety of scenarios. With BKI's assistance, the City is able to identify problematic areas within the water distribution system and accurately predict future flows with the addition of potential developments.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	Ongoing	\$1,034,965
	\$1,034,965	\$1,034,965
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Cheniére Water Storage Tank <i>Grand Isle, LA</i> Sidney Bazley, II Department of Water 1221 Elmwood Park Boulevard Harahan, LA 70123 (504) 655-2628	The Jefferson Parish Government contracted with BKI to provide Engineering & Design and Construction Management services for a new ground water storage tank and duplex pump station at the Jefferson Parish Water Department's Cheniére facility in Grand Isle, LA. The Cheniére project included replacement of the existing booster pump system and the elevated storage tank with a new 500 gallon per minute, variable speed, vertical turbine pump system to provide fire protection water flow for the Town of Grand Isle. The booster system utilized stored water from both an existing 500,000 gallon ground water storage reservoir and the project added additional water storage with another 1,000,000 gallon capacity, which replaced the demolished elevated storage tank. The project also included re-piping the new pumping and storage system into the existing water piping while adding motor actuated valves for remote control of the entire system. Additional aspects of the project included extension of the chemical addition system to the new storage tank. Valves and chemical system will be controlled by SCADA from the Parish Water Department. Design also included pre-cast/pre-stressed concrete pilings for foundational support, a stand-alone masonry station building with a cast-in-place roof, and a generator and related components for emergency power. Plans also included demolition and removal of the existing elevated water tank at the project site. BKI also provided construction management services for the project and coordinated topographic surveying and geotechnical investigations, as well as resident inspection services.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	06/2023 (Est.)	\$5,370,000 (Est. constr.)
	\$5,370,000 (Est. constr.)	\$5,370,000 (Est. constr.)

TEC Professional Services Questionnaire

PROJECT NO. 3						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
Bridge City/ Harvey Water Storage Tanks <i>Bridge City, LA</i> <i>Harvey, LA</i> Sidney Bazley, II Department of Water 1221 Elmwood Park Boulevard Harahan, LA 70123 (504) 655-2628	Jefferson Parish's Water Tanks were cleaned and painted roughly 20 years ago. At that time it was determined that the interiors and exteriors of the tanks need to be cleaned and re-coated to maintain storage water quality and site aesthetics. BKL worked with a coating inspection expert to generate repair-inspection reports for the 10 water tanks on the Westbank of the Parish. The first water tank complexes to be selected for rehabilitation was the Bridge City and Harvey Tanks. The Bridge City Water Tanks facility includes an elevated 100,000 gallon water tank that requires full blast-coating on the exterior of the tank as well as structural repairs. The facility also includes two ground 200,000 gallon water tanks that require full blast-coating on the exterior of the tank as well as structural repairs. The Harvey Water Tank facility includes 9150,000 gallon elevated water tank that requires full blast-coating on the interior and exterior of the tank as well as structural repairs. The new Jefferson Parish logo will be painted on the exterior of the elevated tank. BKL will prepare inspection reports, construction documents, bidding-advertising assistance, construction administration, resident inspection services and record drawings for the Jefferson Parish Water Department. BKL services also included obtaining the necessary permit from the Louisiana Department of Health and Hospitals prior to construction.					
Completion Date (Actual or estimated): 12/2022 (Est.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 5px; text-align: center;"> Entire Project: \$9,783,959 (Constr.) </td> <td style="width: 50%; padding: 5px; text-align: center;"> Work for which Firm was Responsible: \$9,783,959 (Constr.) </td> </tr> </tbody> </table>		Estimated Cost:		Entire Project: \$9,783,959 (Constr.)	Work for which Firm was Responsible: \$9,783,959 (Constr.)
Estimated Cost:						
Entire Project: \$9,783,959 (Constr.)	Work for which Firm was Responsible: \$9,783,959 (Constr.)					
PROJECT NO. 4						
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:					
Gretna Blvd Water Tower Replacement <i>Gretna, LA</i> Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540	Burk-Kleinpeter, Inc. was contracted by the City of Gretna to complete the preparation of plans, specifications, and estimates for replacing the existing elevated 500,000 gallon water storage tank with a new elevated 500,000 gallon potable water storage tank. The project included total demolition of the existing facility, new foundation piles, an elevated ellipsoidal water tank, all required piping to tie into the existing water distribution system, and site improvements including new perimeter fencing, site paving, and drainage. BKL coordinated the removal of existing cellular antennas, electrical rooms, and Gretna Police Department telecommunications with the contractor and the firms involved. The top of the new tank is 165 feet above natural ground elevation. Electrical improvements included a new wireless transmitter to transmit water pressure readings to the operations personnel at the Gretna Water Treatment Plant, and area lighting of the finished site.					
Completion Date (Actual or estimated): 12/2013 (Actual)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;">Estimated Cost:</th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 5px; text-align: center;"> Entire Project: \$1,651,290 (Constr.) </td> <td style="width: 50%; padding: 5px; text-align: center;"> Work for which Firm was Responsible: \$1,651,290 (Constr.) </td> </tr> </tbody> </table>		Estimated Cost:		Entire Project: \$1,651,290 (Constr.)	Work for which Firm was Responsible: \$1,651,290 (Constr.)
Estimated Cost:						
Entire Project: \$1,651,290 (Constr.)	Work for which Firm was Responsible: \$1,651,290 (Constr.)					

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Rehabilitation of the Fifth Street Water Tower <i>Gretna, LA</i></p> <p>Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540</p>	<p>The City of Gretna contracted with BKI to provide engineering plans and specifications for the rehabilitation of the existing 250,000 gallon water tank located on 5th Street across from the Gretna Water Plant. After reviewing the exterior and interior coating conditions per the water tank inspection reports conducted by third party inspectors, BKI coordinated with local paint suppliers to verify the type of repairs required based on the existing assessment report recommendations. BKI provided contract plans and technical specifications for the recommended repairs to the coating system.</p> <p>In addition to plans and specifications, BKI provided construction cost estimates, as well as assisted with the bidding process, conducting the pre-bid meeting, review of contractor questions, issuing addenda, reviewing bids, and ultimately making a construction contract award recommendation to the City of Gretna. Engineering services were also provided during construction, including coordinating shop drawing and submittal review and response to contractor RFIs; review and recommendation of pay applications; conducted periodic site inspections and issued project observation reports; and review of project closeout documents. Record drawings were compiled, reviewed, and issued were provided to the City of Gretna by BKI for their record files.</p>	
<p>Completion Date (Actual or estimated):</p> <p>10/2020 (Actual)</p>	Estimated Cost:	
	<p>Entire Project:</p> <p>\$510,211 (Constr.)</p>	<p>Work for which Firm was Responsible:</p> <p>\$510,211 (Constr.)</p>

TEC Professional Services Questionnaire

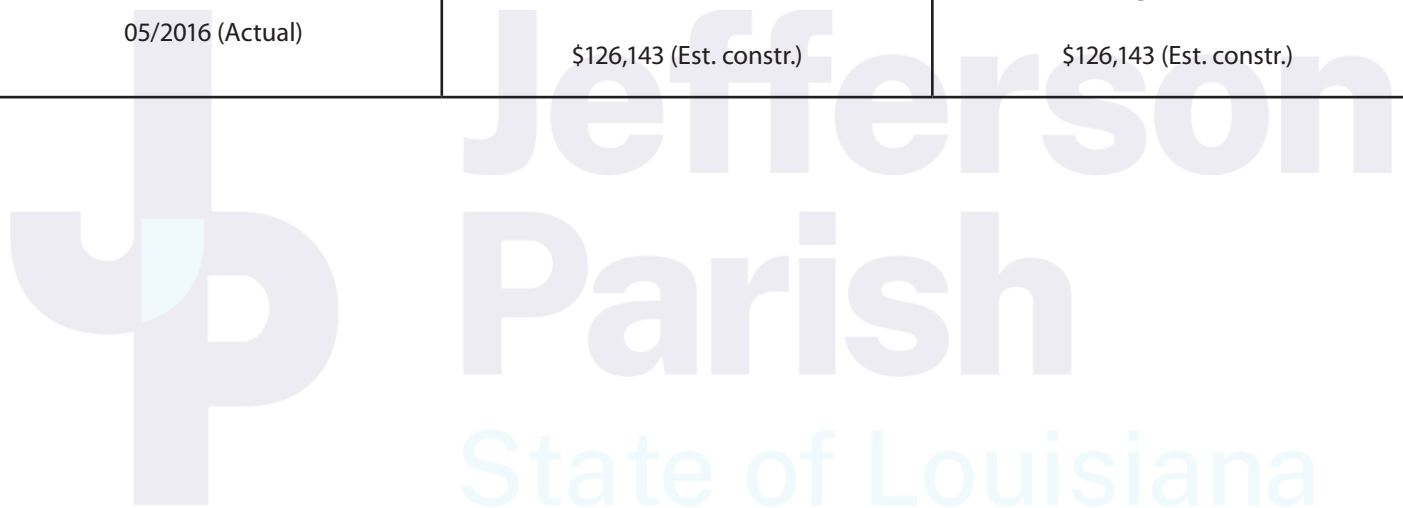
PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Bernard Water Treatment Plant <i>St. Bernard Parish, LA</i> Matthew Falati St. Bernard Parish Department of Public Works 8201 W. Judge Perez Drive Chalmette, LA 70043 (504) 278-4300	<p>St. Bernard Parish selected BKI to design a new 12 MGD water treatment plant. BKI investigated several design alternatives and selected a cost-effective treatment process, then prepared a General Design Memorandum to define the basis for engineering design, to evaluate operation and maintenance requirements, and to determine how to build a new treatment facility on the existing plant site while still operating the existing treatment plant. The plant has three up-flow clarifiers of 435,000 gallons each that provide initial solids removal for raw water from the Mississippi River. Polymer and lime are injected prior to the clarifiers to aid in coagulation. The clarified water is then sent to six rapid sand filters for final treatment - each is equipped with air-assisted cleaning to shorten the time required for backwash and to aid in resettling the filter media. A clearwell pump station was constructed to pump treated water to the existing 10 MG and 3 MG ground storage tanks and is able to provide the water required to backflush the sand filters when required during normal treatment process. A separate filter waste pump station was constructed to transfer flow from the filter backwash process to the existing backwash tank at original Plant No. 1. The pumps in this existing tank were up-sized to handle additional flow from the new plant and return collected filter sediment to the river.</p> <p>As part of the plant, BKI designed a new control/filter building which houses the pipe gallery and sand filters on the first floor, and the control building and plant offices on the second floor. A chemical building was also constructed to contain all of the chemicals processed necessary for plant operation including the chlorine room, polymer room, alum tanks and feed pumps, and the ammonia storage and feed system. Both the control/filter building and the chemical building were designed to withstand sustained winds up to 130 MPH. All of the mechanical equipment for this project is located above the base flood elevation for the plant site to minimize any future flood related damages. Existing high service pumps that supply water to the distribution system were kept in service from the existing Plants 1 and 2, which were rebuilt after Hurricane Katrina. The water plant was constructed under budget despite numerous substantial changes made at the owner's request during construction.</p>	
Completion Date (Actual or estimated): 3/2017 (Actual)	Estimated Cost:	
	Entire Project: \$21,842,193 (Constr.)	Work for which Firm was Responsible: \$9,386,500 (Constr.)
PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St Bernard Raw Water Intake Structure <i>St. Bernard Parish, LA</i> Matthew Falati St. Bernard Parish Department of Public Works 8201 W. Judge Perez Drive Chalmette, LA 70043 (504) 278-4300	<p>BKI was selected by St. Bernard Parish to design a new raw water intake pump station to supply Mississippi River water to the Parish's Water Treatment Plant. The new pump station was located on an elevated platform on the river side of the hurricane protection levee near the existing pump station. This allowed reuse of most of the existing discharge piping. The new pump station had three 7,000 gallon per minute pumps with variable speed drives. This equipment selection enabled pumping capacity to be varied to match system demand for water. A generator was included to power the station when commercial power is not available. New chemical feed lines were also included as part of this project.</p>	
Completion Date (Actual or estimated): 10/2012 (Actual)	Estimated Cost:	
	Entire Project: \$4,986,000 (Constr.)	Work for which Firm was Responsible: \$4,986,000 (Constr.)

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lions Water Treatment Plant Pump Station Intake Project <i>St. John the Baptist Parish, LA</i></p> <p style="text-align: center;">Reed Alexander St. John the Baptist Parish 1811 W. Airline Hwy. LaPlace, LA 70068 (985) 652-9569</p>	<p>BKI designed and prepared all construction drawings and specifications to address deficiencies in the existing "old" raw water pump station and to provide a redundant source of water to the Lions Water Treatment Plant in St. John the Baptist Parish. The water treatment plant is fed by two raw water pump stations designated as the "old" and the "new" pump stations. During periods of low water in the river, the intake to the old pump station is too shallow to pump river water to the treatment plant. When the river is high, existing pumps are incapable of pumping the flow needed to meet demand from this pump station.</p> <p>In response, BKI designed a deeper 16" diameter raw water intake line to the "old" pump station, larger dry-pit submersible pumps and a new underground electrical service from the Treatment Plant to the pump station. The larger pumps required a more robust electrical source and careful piping modifications to fit the new equipment into the existing pump station. As the majority of the work will be performed on the north batture of the Mississippi River, BKI filed and received permits from the US Army Corps of Engineers, Louisiana Department of Natural Resources Office of Coastal Management and Ponchartrain Levee District and incorporated their permit requirements into the design of the pump intake piping.</p>	
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">10/2021 (Actual)</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$1,241,450 (Costr.)	\$1,241,450 (Costr.)
PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>East Bayou Road Waterline Engineering Design <i>Belle Chasse, LA</i></p> <p style="text-align: center;">Ken Dugas Plaquemines Parish Government 333 F. Edward Hebert Blvd. Belle Chasse, LA 70037 (504) 934-6120</p>	<p>BKI was selected by Plaquemines Parish Government to design approximately 1,000 linear feet of 12" waterline. This project included all necessary valves, hydrants, connections, and fittings. The design included the installation of the 12" waterline under the Intercoastal Waterway by the use of the directional drilling method. The project was designed and constructed to provide a looped system connecting the dead end waterline on East Bayou Road with the existing waterline near Concord Road. This project resulted in better pressure to provide the necessary fire flow for the service and water quality by reducing the concerns of water quality depletion which was a previous problem.</p>	
<p>Completion Date (Actual or estimated):</p> <p style="text-align: center;">Ongoing</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$680,600 (Est.)	\$680,600 (Est.)

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Gretna Waterline Replacement at Whitney Canal <i>Gretna, LA</i></p> <p>Ron Johnson City of Gretna Department of Utilities 740 2nd Street Gretna, LA 70053 (504) 363-1540</p>	<p>BKI prepared construction documents consisting of plans, specifications and construction cost estimate for the replacement of the existing aerial canal crossing of a 12" ductile iron pipe waterline crossing the Whitney Ave Canal at Belle Chasse Highway, assist the Owner during the bidding phase services and perform construction administration services during the construction of the project. Project limits include: Replacement of approximately 250 linear feet of existing 12" ductile iron water main along with all of the existing timber pile bent supports in the Whitney Ave. Canal at Belle Chasse Highway with new 12" ductile iron pipe and new concrete piles and concrete pile support bents in the canal. Plans and specifications shall be developed in accordance with Jefferson Parish Water Department format and criteria.</p>	
Completion Date (Actual or estimated): 05/2016 (Actual)	Estimated Cost:	
	Entire Project: \$126,143 (Est. constr.)	Work for which Firm was Responsible: \$126,143 (Est. constr.)



TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2. N/A		
3. N/A		
4. N/A		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.



BURK-KLEINPETER, INC., (BKI) is pleased to submit our Statement of Qualifications to Jefferson Parish in response to your public notice for **SOQ 22-034 Water Pipeline Infrastructure Projects Management Capital Projects**. As a certified small business with over 100 years of experience, BKI is one of the leading consulting firms in the southeast region providing professional engineering (civil, mechanical, and structural), planning, and environmental services to public and private clients throughout the southeastern US. The firm's engineering practice has consistently ranked among the top 20 firms in the southern states and is included regularly in the Top 500 Design Firms in the nation by *Engineering News Record*. This is a major accomplishment for a privately owned, New Orleans based firm. We were recently recognized as part as part of the 2022 UNO25 class which recognizes 25 businesses that are making an impact on the community.

Our stability and depth of experience has provided numerous state and local public works authorities with consulting services for the successful completion of a wide range of projects. **BKI has decades of experience in program management, design and construction of water infrastructure programs and projects.** With a multidisciplinary platform of experience and abilities, BKI integrates the proven best practices from all disciplines to meet our clients' big-picture needs in an ever-changing environment. **Headquartered in New Orleans with a branch office in Metairie, BKI has provided engineering services to Jefferson Parish for more than 40 years.** BKI, independently and in coordination with sub-consultants, has worked on a variety of water pipeline infrastructure projects and has over 40 years of experience performing civil, mechanical, and structural engineering services for projects across southeastern Louisiana, on the Mississippi Gulf Coast, and in central and coastal Alabama.

(See Additional Pages)

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Henry M. Picard, III PE, PLS

Title: Senior Vice President Date: August 5, 2022

MINIMUM REQUIREMENTS FOR SELECTION

1. A firm under consideration for program manager services has been in business at least five (5) years in the field or fields of expertise for this work.

- BKI is a firm with over 80 years experience in the field or fields of expertise required for this work.

2. A principal of the firm who is a professional engineer registered in the State of Louisiana with a minimum of ten (10) years experience in the disciplines involved.

- *Michael D. Chopin, PE*, BKI's President & CEO, is a principal in the firm and a licensed, registered professional engineer in the State of Louisiana with over 26 years of experience in the disciplines involved.

3. Program Manager who is a full time licensed, registered professional engineer registered in the State of Louisiana with a minimum of ten (10) years experience in the disciplines involved. The Program Manager must also have a minimum of five (5) years of experience in the disciplines involved.

- *Randy Schuler*, Program Management, with over 34 years of Jefferson Parish program management including **19 years as Jefferson Parish Department of Water Director**. Mr. Schuler has all the capabilities to program manage the Jefferson Parish Water Pipeline Infrastructure Program.
- *Henry M. Picard, III, PE, PLS*, a BKI Senior Vice President and Civil Engineer, is a licensed, registered professional Civil Engineer in Louisiana with over 40 years' experience in Program Management and the disciplines involved.
- *David E. Boyd, PE*, a BKI Vice President, is a licensed, registered professional civil engineer in Louisiana with 16 years' experience the disciplines involved.

4. Must employ technical and clerical staff including at least two engineers licensed in the State of Louisiana with a minimum of five (5) years' experience in the disciplines involved.

- *René A. Chopin, III, PE*, a BKI Senior Vice President/ Chief Engineer and Civil Engineer, is a licensed, registered professional Civil Engineer in Louisiana with over 30 years' experience in disciplines involved.
- *David E. Boyd, PE*, a BKI Vice President, is a licensed, registered professional civil engineer in Louisiana with 16 years' experience the disciplines involved.
- *Daniel S. Caluda, Jr.*, BKI Mechanical Designer, has over 40 years experience in the disciplines involved.
- *Timothy J. Koenig, PE*, a BKI Civil Engineer, is a licensed, registered professional civil engineer in Louisiana with 13 years' experience in disciplines involved.
- *René A. Chopin, IV, PE*, a BKI Civil Engineer, is a licensed, registered professional civil engineer in Louisiana with 4 years' experience in disciplines involved.
- *Alesia Taylor*, a BKI Administrative Assistant, has 9 years of clerical documentation project management experience in disciplines involved.
- *Kim Henry*, a BKI Administrative Assistant, has 15 years of clerical documentation project management experience in disciplines involved.

5. Firm under consideration must have an established business office located within the New Orleans Metropolitan area or indicate in the Statement of Qualifications that they will establish one that explicitly for this work.

- BKI's Metairie office will serve the primary location with headquarters located in Mid-City New Orleans.

EVALUATION CRITERIA

1. Professional Training and Experience

BKI has provided **civil, mechanical and structural engineering** services on a wide range of projects in Jefferson Parish including **program management, design and construction of water pipelines, water tower rehabilitation and replacement, water treatment plants, water intake systems, water storage tank rehabilitation and replacement, water systems studies and analysis**. BKI has nurtured a working relationship with the Jefferson Parish Engineering and Water Departments as well as the various heads of the Public Works Department to provide detailed project scopes of work and to develop an engineered solution. If we are selected to provide program management services for the Water Pipeline Improvements Project Management Capital Projects we will use our previous experience and working relationships with the parish and our sub-consultant partners to provide a successful from conceptual design through construction of the water pipeline projects.

Program Management

- BKI's Water Program management and engineering clients include City of Gretna, City of Shreveport, City of Kenner, New Orleans Sewerage and Water Board, as well as Jefferson, Ascension, St. John the Baptist, St. Bernard and East Baton Rouge parishes.
- BKI has completed approximately 89 water projects over the years from simple stand alone projects to complex regional projects.

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Michael D. Chopin, PE - Principal / QA/QC; LA Registered Professional Engineer (MPR No. 2)

- 31 years of experience in civil engineering planning, design, and construction of Jefferson Parish projects
- Wide range of project management experience includes numerous water infrastructure studies and projects.

Randy Schuler - Program Manager; (MPR No. 3)

- 19 years of experience in project management as the Director of Water for Jefferson Parish Department of Water.

Henry M. Picard, III, PE, PLS - Program Manager; LA Registered Professional Engineer (MPR No. 3)

- 36 years of experience includes project management of water treatment, water intake and water storage projects
- Wide range of project management experience includes water, sewer, roadway, and drainage projects.
- Wide range of experience as Principal, Project Manager, or Project Engineer includes many projects in Jefferson Parish.

René A. Chopin III, PE - Chief Engineer/Structural Engineer; LA Registered Professional Engineer (MPR No. 4)

- 33 years of engineering experience in structural including Jefferson Parish Projects.
- Has served as Project Manager or Project Engineer on a wide range of water treatment plants and water storage projects as well as other structural and infrastructure projects.

David E. Boyd - Supervisor; LA Registered Professional Engineer (MPR No. 4)

- 16 years of experience in civil engineering in the of waterlines, water storage, and water modeling (WaterGEMS).
- Proficient in WaterGEMS.

Timothy J. Koenig, PE - Civil Engineer; LA Registered Professional Engineer (MPR No. 4)

- 17 years of experience in civil engineering and utility design.
- Typical responsibilities include managing plan production on large scale public works projects, preparing construction documents, leading CAD technicians and engineers, utility coordination, and construction administration.
- Has worked on many project types and sizes in Jefferson Parish.

René A. Chopin, IV, PE - Civil Engineer; LA Registered Professional Engineer (MPR No. 4)

- 4 years experience in civil/hydraulic engineering
- Experience includes performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration for various project types (water, roadway and drainage improvement, master drainage plans, levee and storm water prevention and harbor improvement projects).

Daniel S. Caluda, Jr - Mechanical Designer

- Over 30 years of experience in Mechanical Design
- Has provided water facility operations supervision as well as training of water facility operators.
- Has provided design services for dozens of water facility and pump stations in the Greater New Orleans region and has overseen design and construction of two of the largest pump stations in the world.

Galen Light - GIS Analyst/Water Gems Modeler;

- 26 years of experience as a GIS Analyst and Water Gems Modeler.

Stephen Pederson - GIS Analyst/Water Gems Modeler;

- 7 years of experience as a GIS Analyst and Water Gems Modeler.

Kim Henry - Documentation Control Specialist; (MPR No. 4)

- 17 years of experience as an Administrative Assistant and Clerical Program Management.

Alesia Taylor - Documentation Control Specialist; (MPR No. 4)

- 9 years of experience as an Administrative Assistant and Clerical Program Management.

TEC Professional Services Questionnaire

EDUCATION AND EXPERTISE OF PROPOSED STAFF

NAME	YEARS EXPERIENCE	EDUCATION	EXPERTISE	JEFFERSON PARISH EXPERIENCE
Michael D. Chopin, PE	31	BS, Civil Engineering	QA/QC, Civil Engineering	Yes
Randy Schuler	19	BS, Major Marketing Minor Management and Finance	Jefferson Parish Water Director (1991-2010 Retired) Program Management	Yes
Henry M. Picard, III, PE, PLS	41	BS, Civil Engineering	QA/QC; Program Management	Yes
Rene A. Chopin, III, PE	33	BS, Civil Engineering	Chief/ Structural Engineer	Yes
David E. Boyd, PE	19	BS, Civil Engineering	Civil Engineer	Yes
Rene A. Chopin, IV, PE	9	BS, Civil Engineering	Civil and Hydraulic Engineer	Yes
Timothy J. Koenig, PE	20	BS, Civil Engineering	Civil Engineer	Yes
Daniel S. Caluda, Jr.	40	BS, Petroleum Engineering	Mechanical Designer	Yes
Galen A. Light	26	MS, Geographic Information Systems BS, General Studies/ Concentration Applied Sciences	GIS Analyst/ Water Gems Modeler	No
Stephen Pederson	7	MS, Transportation Planning BS General Information Science	GIS Analyst/ Water Gems Modeler	Yes
Kim Henry	17	N/A	Document Control Specialist	Yes
Alesia Taylor	9	AS, Business Studies/ Data Processing	Document Control Specialist	Yes

2. Size of Firm

BKI's entire company staff (including branch offices) consists of 38 full-time employees. Thirty-six (35) of these employees work out of our New Orleans headquarters and **Metairie** branch office. These 35 employees are categorized as follows:

ENGINEER	PLANNER	DESIGNER/ DRAFTER	ENGINEERING INTERN	CONSTRUCTION INSPECTOR	ADMINISTRATIVE
Civil: 7; Structural: 4	2	5	2	2	13

Of these employees, we have identified **12** individuals who will make up the core staff to provide services for this project. *See Section K for their resumes.* In addition, we are able to marshal resources from other experienced staff members in the company.

3. Capacity for Timely Completion

BKI's past performance attests to its capacity to handle a reasonably large number of projects concurrently without any reduction in quality of design. Our present workload is such that we are able to commit the appropriate resources, including technical and support personnel. Based on BKI's well-established record of providing high quality services within set time frames, we are confident that BKI possesses the necessary manpower to complete any assigned tasks without compromising our standards. Because BKI has a team of experienced program managers, construction inspectors and field engineers, BKI can accommodate any field decisions or plan changes quickly and efficiently. Our key staff members are dedicated, seasoned professionals who are equipped to simultaneously handle the needs of multiple projects.

4. BKI's Past Performance on Jefferson Parish Contracts

BKI has performed successfully on numerous Jefferson Parish and public contracts of various types/sizes without time delays, cost overruns, or design inadequacies in prior work completed for the parish.

5. Location of Principal Office Where Work will be Performed

BKI's Metairie branch will be the main project office. This office is located at 3240 South I-10 Service Road, West, Room 300. Our business hours are 7:30 a.m. to 5:30 p.m., Monday through Thursday, and 7:30 a.m. to 11:30 a.m., on Friday.

6. Adversarial Legal Proceedings with Jefferson Parish

BKI has no previous nor ongoing litigation with Jefferson Parish or any segment of the Parish government.



TEC Professional Services Questionnaire

7. Prior Successful Projects of the Type and Nature of Program Manager Services

BKI has worked with Jefferson Parish on dozens of past projects covering a wide range of services and fees. We have performed **over 30 projects in the** area of water system design, drainage design, pump station design and drainage master planning. In addition, we have completed: 6 recreational planning and park, bike way, and marine/waterfront design; 6 transportation and corridor planning, traffic impact studies, and a wide variety of other projects including landscape architecture, railroad safety, and environmental services. BKI will provide a complete list of Jefferson Parish work upon request. The following list highlights BKI's experience with verifiable references:

Below lists clients and reference information for a variety of projects in Jefferson Parish:

PROJECT NAME	FIRM ROLE	PROJECT DESCRIPTION	CLIENT REFERENCE
S&WBNO FEMA Sewer Repairs - Program Management	Prime Consultant	<ul style="list-style-type: none"> • Program Management • Construction Management • Design Documentation • Construction Administration • Resident Inspection • Contract Documentation • Document Control • FEMA Coordination 	<p>Chris Bergeron Sewerage & Water Board of New Orleans 625 Saint Joseph Street New Orleans, LA 70165 P: (504) 865-0630 Email: cbergeron@swbno.org</p>
JPWB Water Storage Tanks Cleansing & Recoating	Prime Consultant	<ul style="list-style-type: none"> • Infrastructure Evaluation • Rehabilitation/Repair Recommendation • Plans & Specifications • Contract Documentation • Bidding Assistance • Record Drawings • Supplemental Services incl. Field/Resident Inspection 	<p>Sidney Bazley, II Jefferson Department of Water 1221 Elmwood Park Blvd., Suite 909 Jefferson, LA 70123 P: (504) 736-6783 Email: sbazley@jeffparish.net</p>
Shreveport Water Model	Prime Consultant	<ul style="list-style-type: none"> • Water Distribution System Analysis • WaterGems & ArcGIS • Hydraulic & GIS Modeling Implementation • Recommendations • Technical Documentation • Data Modernization • GIS City Model Maintenance 	<p>William Daniel City of Shreveport 505 Travis Street Shreveport, LA 71101 P: (318) 673-1540 Email: william.daniel@shreveportla.gov</p>
EPA/DOJ Negotiations on Sanitary Sewer System	Prime Consultant	<ul style="list-style-type: none"> • GIS Analysis • Sewer Assessment & Rehab Recommendations • GIS Database updates and maintenance 	<p>Steve Vercher, PE City of Shreveport 401 Edwards Street, Suite 200 Shreveport, LA 71101 P: (318) 426-3660 Email: steve@bontonassociates.com</p>

Conclusion

In the body of this Jefferson Parish Professional Services Questionnaire, BKI has provided the information requested in your Request for Qualifications. We feel we have the manpower, expertise, and equipment to exceed your expectations for **SOQ No. 22-034 Water Pipeline Infrastructure Improvements Project Management Capital Projects.**

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: Public Address:
P. O. Box 19087
Burk-Kleinpeter, Inc.
New Orleans, Louisiana 70179

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000124	Active	09/12/1984	09/30/2023	Mr. Rene Adrian Chopin III # PE.0025174 - Active

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
Burk-Kleinpeter, Inc.	P. O. Box 19087 New Orleans, Louisiana 70179

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000024	Active	09/12/1984	09/30/2023	Mr. Henry Maurice Picard III # PLS.0004736 - Active

Self-Certification demonstrating the status of Burk-Kleinpeter, Inc. as a Small Business

Are you a small business eligible for government contracting?

541330 Engineering Services	Small Business Size Standards \$16,500,000 annual revenue	 YES
Exception #1		
Military and Aerospace Equipment and Military Weapons	Small Business Size Standards \$41,500,000 annual revenue	 YES
Exception #2		
Contracts and Subcontracts for Engineering Services Awarded Under the National Energy Policy Act of 1992	Small Business Size Standards \$41,500,000 annual revenue	 YES
Exception #3		
Marine Engineering and Naval Architecture	Small Business Size Standards \$41,500,000 annual revenue	 YES


Results derived from the "Measure My Business" tool at www.sba.gov/size demonstrating that Burk-Kleinpeter, Inc. is a "small" business according to the SBA standard for our industry (NAISC codes).

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 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Michael David Chopin	
License/Certificate Type - Number	Expiration Date
PE.0026797	09/30/2022
Status: Active	

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Henry Maurice Picard III	
License/Certificate Type - Number	Expiration Date
PE.0022289	03/31/2023
Status: Active	

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Henry Maurice Picard III	
License/Certificate Type - Number	Expiration Date
PLS.0004736	03/31/2023
Status: Active	

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. David Edward Boyd	
License/Certificate Type - Number	Expiration Date
PE.0035510	09/30/2022
Status: Active	

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Timothy James Koenig	
License/Certificate Type - Number	Expiration Date
PE.0035079	03/31/2022
Status: Active	

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Rene Adrian Chopin IV	
License/Certificate Type - Number	Expiration Date
PE.0042349	09/30/2022
Status: Active	

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
Mr. Rene Adrian Chopin III	
License/Certificate Type - Number	Expiration Date
PE.0025174	09/30/2023
Status: Active	