



STATEMENT OF QUALIFICATIONS ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS

MARCH 31, 2022



March 31, 2022

Jefferson Parish Purchasing Department
c/o Misty Camardelle, Assistant Director
General Government Building
200 Derbigny Street - Suite 4400
Gretna, LA 70053

RE: STATEMENT OF QUALIFICATIONS TO PROVIDE ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS; SOQ NO. 22-013; RESOLUTION NO. 138809

Dear Members of the Selection Committee,

Volkert is pleased to submit our extensive qualifications to provide routine professional engineering services for Water Projects throughout Jefferson Parish. Volkert has been a consistent reliable partner with the Parish on a variety of projects and looks forward to serving the Parish through this contract selection.

Within Volkert's 96-year history, Volkert has developed a pedigree as a multi-discipline engineering and environmental firm, providing services to state and federal agencies, local and municipal governments and private industry clients throughout Louisiana.

Volkert has extensive experience providing services for water transmission and treatment systems for our clients ranging from small utility companies to large water districts. Our team of experts stands with clients every step of the way, from initial investigation and feasibility studies, to exploring financing alternatives, to environmental permitting, engineering design, construction-phase services, and operation and maintenance training.

Please note that I am an authorized representative of Volkert, Inc. and will be able to commit Volkert to a contract with the Parish upon notice to proceed. I can be reached via phone at 985-231-6501 or via e-mail at jan.evans@volkert.com. In addition, Bruce Adams can be reached at 504-231-8517 or via email bruce.adams@volkert.com, should you have any questions or desire additional information.

The firm is active and in good standing with the Louisiana Secretary of State and licensed to do business in the State of Louisiana.

Respectfully submitted,
VOLKERT, INC.



Janet L. Evans, PE, MBA

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects
Resolution No. 138809

B. Firm Name & Address:

Volkert, Inc.
4141 Bienville Street, Suite 101
New Orleans, LA 70119

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:

Janet L. Evans, PE, MBA
LA PE No. 21307
Vice President
(225) 218-9440
jan.evans@volkert.com
7967 Office Park Boulevard
Baton Rouge, LA 70809

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.

Janet L. Evans, PE, MBA
LA PE # 21307
Vice President
(225) 218-9440
jan.evans@volkert.com
7967 Office Park Boulevard,
Baton Rouge, LA 70809

Bruce Adams, PE
LA PE # 18752
Operations Manager
(504) 488-8002, Ext: 2701
bruce.adams@volkert.com
4141 Bienville Street, Suite 101
New Orleans, Louisiana 70119

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

<u>14</u> Administrative	<u>18</u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>4</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>13</u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u>20</u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>1</u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u> </u> Environmental Engineers	
<u>6</u> Professional Land Surveyors		<u>98</u> TOTAL

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

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

TEC Professional Services Questionnaire

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

1.
N/A

2.
N/A

H. Has this JOINT-VENTURE previously worked together? Please check:
 YES NO

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Volkert will add qualified subconsultants as needed for any specific project assignments.		
2. N/A		
3. N/A		

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

0 _____

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Janet L. Evans, PE, MBA Vice President
Project Assignment:
Principal-in-Charge
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
14
Education: Degree(s)/Year/Specialization:
MBA, 1986, Business Administration BS, 1980, Civil Engineering
Active registration: Year first registered/discipline:
LA PE #21307, 1984, Civil
Other experience and qualifications relevant to the proposed Project:
<p>Mrs. Evans has over 36 years of transportation and infrastructure project management and design experience, almost entirely on Louisiana projects, as well as experience in highway construction. Over the course of her career, she has worked extensively with the Louisiana Department of Transportation and Development in addition to municipalities, parishes, airports, and seaports across the state. Twelve years ago, she joined Volkert, which was founded in New Orleans in 1925, and has reestablished the firm as one of the state's leading consultants. More recently, she has managed or supported many of the state's large, fast-track, alternative delivery projects, including major projects on I-10, I-12, and other interstates. She also recently managed the state's first transportation CMAR project, the emergency shoulders project on the Lake Pontchartrain Causeway. She now leads a growing team of over 50 professionals in multiple disciplines in five different offices across the state for Volkert. Her experience includes both traditional design and an alternative design-build considered confined work zones, environmental compliance/permitting, traffic queuing and limited lane closures and development of construction sequencing for the high average daily traffic volume interstates.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bruce Adams, PE Operations Manager
Project Assignment:
Operations Manager
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
2.5
Education: Degree(s)/Year/Specialization:
BS, 1976, Civil Engineering
Active registration: Year first registered/discipline:
LA PE #18752, 1976, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Adams is a lifelong resident of the greater New Orleans area. He graduated in 1976 from Tulane University with a Bachelor of Science in Civil Engineering and is currently licensed as a professional engineer in Louisiana, Mississippi and Alabama, first licensed in Louisiana in 1980. Upon graduation, He began employment with URS/Forrest and Cotton, legacy to URS Corporation. His experience with URS included planning, engineering, design, management and oversight of infrastructure projects, including extensive experience in surface transportation, coastal restoration, sewerage, drainage, and flood and hurricane protection projects. Mr. Adams departed URS in February of 2015 after 38 years of service Mr. Adams soon continued his career at the Sewerage and Water Board of New Orleans as Deputy Director of Engineering and Construction while occupying the seat of the Deputy General Superintendent. During his time with the NOSWB he directed emergency repairs and/or projects to maintain water quality and restore pressure as a result of the freeze event. He joined Volkert in August 2019 as Operations Manager of Volkert's New Orleans office and is leading the Filmore South (A, B, C) improvements for the City of New Orleans, as well as other project endeavors.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Ashley Beckendorf, PE Project Manager
Project Assignment: Project Manager
Name of Firm with which associated: Volkert, Inc.
Years' experience with this Firm: 8
Education: Degree(s)/Year/Specialization: BS, 2008, Civil Engineering
Active registration: Year first registered/discipline: LA PE #37334, 2012, Civil Engineering
Other experience and qualifications relevant to the proposed Project: Ms. Beckendorf has over 13 years of design and engineering experience and expertise in delivering complex drainage, infrastructure, open space, and capital projects for government clients. She has specialized in sewer infrastructure design, site development, and roadway engineering. She has worked on the East Baton Rouge Greenlight Program and East Baton Rouge Parish Sanitary Sewer Overflow Program, beginning from the preliminary stages to design and on through construction. She has also worked on several site developments, roadway plans, and airport plans. She has managed complex projects with all aspects of engineering including geotechnical, surveying, environmental, real estate, utilities, traffic, lighting, drainage, bridge, and roadway design.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Ryan Ordeneaux, PE Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
BS, 2003, Civil Engineering
Active registration: Year first registered/discipline:
LA PE #39476, 2015, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Ordeneaux has engineered a variety of projects over his 17-year career including roadway design, bridge replacements, and aviation design. This includes interstates, highway, and local roadway design; traffic control plan development; hydraulic improvements; and drainage and sewer improvement projects throughout Louisiana. He has served as a project estimator with project management and inspection experience.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Raymond "Ray" Miller, PE QA/QC Manager
Project Assignment:
QA/QC Manager
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
13
Education: Degree(s)/Year/Specialization:
MBA, 1999, Business BS, 1991, Mechanical Engineering
Active registration: Year first registered/discipline:
LA PE #34526, 2009, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Miller has 13 years of experience with Volkert, and has over 29 years of experience with municipal sludge dewatering facility design; water main upgrades, lift station back up pump installation; new lift station construction/upgrades; wastewater plant rehabilitation projects; wastewater treatment plant upgrades; water treatment plant projects; water distribution system projects; structuring an annual maintenance contract; and lift station capacity upgrades.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Melinda Immel, PE Project Engineer
Project Assignment:
Project Engineer / Design Facility Specialist
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
27
Education: Degree(s)/Year/Specialization:
BS, 1995, Civil Engineering / Environmental Certificate
Active registration: Year first registered/discipline:
AL PE #24706, 2002 MS PE #18931, 2009
Other experience and qualifications relevant to the proposed Project:
Ms. Immel has 25 years of experience since joining Volkert in 1995 and is responsible for the design of civil and utility engineering projects for municipalities and utility boards. She has served as the Project Manager and Project Engineer for various ALDOT utility relocation projects that consisted of relocating utilities for local municipalities to accommodate highway improvement projects. She has also lead the design and rehabilitation of numerous list stations, as well as water and wastewater treatment plant designs and upgrades.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Melissa O'Sullivan Deputy Project Manager / Facility Design Team Leader
Project Assignment:
Water / Wastewater Coordinator
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
25
Education: Degree(s)/Year/Specialization:
BS, 1995, Civil Engineering
Active registration: Year first registered/discipline:
AL PE # 23400, 1999, Civil Engineering FL PE # 61463, 2004, Civil Engineering MS PE #18940, 2009, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mrs. O'Sullivan has over 27 years of water/wastewater experience, including a recently completed AMI/AMR project within Mobile County, AL. Melissa will be a technical resource for this project providing plans and specifications for the replacement of AMR/AMI meters She has served as Project Manager for numerous utility improvement projects along the Gulf Coast for local municipalities. She is responsible for overseeing and developing plans, specifications and contract documents. Her experience includes water and sewer main design and relocations, lift station design and rehabilitation, collection system rehabilitation, permitting, bid phase services, and construction phase services.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Thomas Brymer, PE Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
MS, Systems Engineering, 2018 BS, Civil Engineering, 2016 AS, Pre-Engineering, 2013
Active registration: Year first registered/discipline:
LA PE #0045901, 2021, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Brymer has over 4 years of engineering experience. He is experienced in systems analysis, design, and equipment selection; development of technical specifications; permitting; bid and award; and construction phases of projects. His technical experience includes project and construction management, technical studies and analyses, water and wastewater treatment plant design, water distribution and wastewater collection systems design, pump station design, and master plan development.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Katie McCoy, PE, CAPM Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
MS, Civil Engineering, 2020 BS, Civil Engineering, 2016
Active registration: Year first registered/discipline:
AL PE #40289, 2021, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mrs. McCoy joined Volkert in the summer of 2020, after completing her Masters of Science studies and interning with other engineering firms. She joins the utility department where she works on projects related to utility services. Her primary experience is in the design of water distribution systems and wastewater collection and conveyance systems. She also has experience in permitting and construction phase services. She is an active member of the Alabama Water Environment Association and a member of the Water Environment Foundation Collection Systems Committee.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Tony Celano, EI Engineering Intern
Project Assignment:
Design Engineering
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
BS, 2019, Civil Engineering
Active registration: Year first registered/discipline:
LA EI #0034607
Other experience and qualifications relevant to the proposed Project:
Mr. Celano joined Volkert in 2020, he assists Professional Engineers in plan preparation for civil related construction projects and contributes to on-going construction management. His project experience includes: <ul style="list-style-type: none">-I-10 (Williams Boulevard to Veterans Memorial Boulevard), and Loyola Drive to Williams Boulevard in Jefferson Parish, Louisiana for the Louisiana Department of Transportation and Development (LA DOTD)- Filmore South (Group A), final design services and pending construction phase services for Filmore South (Group B), and pending design services for Filmore South (Group C) for the City of New Orleans Department of Public Works in New Orleans, Louisiana.- Demolition of Abandoned C-7 & C-8 Basins at the Carrollton Water Treatment Plant; (New Orleans, LA)- IH-35 Capital Express North (Austin, TX)

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:	
Carson Loop Water Main Phase 6 Improvements Client: Birmingham Water Works Board Contact: Douglass Stockham, Manager of System Development doug.stockham@bwwb.org (205) 244-4186	After the BWWB completed Phase I in-house, Volkert, over a period of two decades, has provided multidisciplinary services for phase 2 through phase 5 for design and construction of 12 miles of 36-inch water main as shown in the Carson Loop Projects Map. Volkert's services range from survey, aerial photography, utility locates, environmental assessment, various permitting, real estate acquisition and easement agreement preparation, design, bidding and construction engineering and inspection services. (see attached)	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2022 Est.	\$9.1M	\$2.35M

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
West Feliciana Parish Hospital Expansion, St. Francisville, LA Client: West Feliciana Parish Hospital Contact: Lee Chastant, III 5266 Commerce St. St. Francisville, LA 70775 (225) 635-3811	Volkert was responsible for Civil Engineering site services for the Parish's new hospital in the City of St. Francisville. The project included parking design, stormwater and surface drainage, and utility (water, gas, and communication) connections for the new building. This project also included sanitary sewer upgrades for the existing buildings remaining on the hospital property.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2/2016	\$140,000.00	\$140,000.00

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Odor Control System at South WWTP Baton Rouge, Louisiana</p> <p>Client: Camp Dresser & McKee, Inc. 6120 Perkins Road, Suite 200 Baton Rouge, LA 70808</p> <p>Contact: Phillip Gibson Camp, Dresser & McKee, Inc. (225) 757-7200</p>	<p>Volkert provided design and construction phase services for an odor control system for flow equalization tanks at the South WWTP in Baton Rouge, Louisiana. During the preliminary design phase, Volkert worked closely with Mr. Mark Gould, the Task Manager from the CDM Cambridge, MA office, to select an appropriate odor control technology for this particular application, and to develop the final design phase scope to best serve the needs of the client. The selected odor control technology was carbon adsorption with four independent systems serving four separate equalization tanks with a total volume of 66 million gallons. The four carbon adsorption systems are arranged so that one system can temporarily support two equalization tanks while one system is out of service for maintenance. We participated in the weekly conference calls led by Mr. Philip Gibson and to meet the deadlines published in the 30% Preliminary Design Criteria Memorandum. We also participated in additional workshops and reviews as the work progressed through the 60%, 90%, and final design phases.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$105,000.00	\$27,000.00

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>General Engineering Services for the City of Daphne Utilities Board – Water Distribution System Modeling</p> <p>Client: Utilities Board of the City of Daphne 900 Daphne Avenue Daphne, AL 36526</p> <p>Contact: Rob McElroy (251) 626-2628</p>	<p>Volkert evaluated additional water storage capacities for current and future demands and identified various locations for new water storage facilities; identified and evaluated flow-restricted areas and simulated distribution system alternatives to improve the flows; and evaluated the immediate, short- and long-term demands. The project included approximately 1,200 ft. of directional drilled installed 12" diameter water main to avoid surface obstructions such as roadway improvements, existing utilities and large trees. It also included two bores under U.S. Highway 90 and U.S. Highway 181. These bores were performed in accordance with ALDOT requirements. This connection not only increased water supply capacities to this area, but also provides redundancy and decreases the potential for service interruptions should a system failure occur to either the existing 1-10 16 inch diameter water main or the Malbis area 12 inch diameter water main. The project also included installing approximately 3,100 l.f. of 4" diameter natural gas line.</p> <p>Volkert provided design, surveying, and construction observation services for the extension of the water mains. Additional phases have included water main upgrades to the Lakeview Loop water distribution system and other areas requiring interconnections. Additional water distribution system improvement areas are planned to be constructed in 2015.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
10/2014	\$76,000.00	\$38,120.00

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
St. Landry Road – Edenborne Connector (Sewer Portion) Ascension Parish, LA Client: Ascension Parish, LA Contact: Tracie Rabalais (225) 450-1386	Initial schematic recommendations for the connection of sewer to the treatment plant were developed for this project. A new sewer is to be constructed from the Edenborne Connector/St. Landry Road intersection to the existing Lamar Dixon sewage treatment plant. Volkert analyzed alternatives including future installation of a new sewer lift station, gravity sewers, force mains, manholes, extending the new sewer, sewer depth, and other needs for future development along the corridor.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$1.14M	\$1.14M

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Pumping system upgrades at the Springhill Water Booster Station; Mobile, AL Client: Mobile Area Water & Sewer System P.O. Box 2368 Mobile, AL 366652 Contact: John Sullivan, Project Manager jsullivan@MAWSS.com (251) 463-7050	Volkert's services included horizontal layout, drainage with detention, paving plan, striping plan, erosion control, utilities to within 5' of Building line (including water, sewer, gas, and electrical), preparation of quantities and preliminary cost estimates. Utility improvements also included 2000 LF of sewer force main, 750 LF of water mains, and a 100 GPM sewer grinder pump station.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$58,000.00	\$58,000.00

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Raw Water to Potable Watermain Conversion Client: Mobile Area Water and Sewer System (MAWSS) Contact: Bud McCrory, Water and Sewer Director bmccrory@mawss.com (251) 694-3150	The project's goals included improving water age and corresponding water quality, increasing water system flow capacities, allowing for the removal of other system transmission lines that were located in areas with potential maintenance concerns, and improving the reliability of the water transmission system were all met. The anticipated flow conditions analyzed with hydraulic modeling were also attained. Communication with the public, including major system, hospitals and other critical connections were also very successful. (see attached)	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	\$4.2M	\$699,000.00

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sanitary Sewer Capacity Assurance Program Client: Mobile Area Water and Sewer System (MAWSS) Contact: Bud McCrory, Water and Sewer Director bmccrory@mawss.com (251) 694-3150	In order to comply with or exceed the U.S. Environmental Protection Agency's (USEPA) Capacity Management, Operations, and Maintenance (CMOM) Program, the Mobile Area Water and Sewer System (MAWSS) has contracted with Volkert, Inc. (Volkert) to develop a Capacity Assurance Program for the wastewater collection and transmission systems. Volkert developed a program to analyze hydraulic capacity of wastewater systems as part of the Capacity Assurance Program for the Wastewater Collection and Transmission Systems. The program evaluated both short-term and long-term capacity assurance programs. (see attached)	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	N/A	\$200,000.00

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lift Station/Force Main Upgrades, Tuscaloosa, Alabama</p> <p>Client: City of Tuscaloosa, Alabama</p> <p>Contact: Jarrodd Miligan jmiligan@tuscaloosa.com (205) 248-5140</p>	<p>The City of Tuscaloosa has a linear asset management program to prioritize necessary improvements within the sanitary sewer collection system to reduce recurring sanitary sewer overflows (SSO's) and meet future demands with a sustainable infrastructure. The Lift Station No. 3 (LS3) interceptor sewer and associated basin was identified as a key contributor to recurring SSO's. The LS3 interceptor had capacity issues and a high probability of failure along several segments. It was identified as a high priority for replacement/rehabilitation.</p> <p>Volkert conducted a review of flow monitoring data along the interceptor and upstream branches and developed projected flows through 2035. These flows were used in a schematic hydraulic model for capacity analysis to identify and evaluate the limiting conditions of the existing interceptor. The design resulted in installation of approximately 3,000 LF of 54" diameter gravity sewer replacement and approximately 8,000 LF of 30" diameter force main. Volkert was also selected for lift station upgrades for LS3 and LS21 as a part of the City of Tuscaloosa's efforts to reduce SSO's. Design is currently underway for the upgrade of LS3 that includes replacement of all three of the dry pit submersible pumps with submersible pumps and conversion of the LS to a complete submersible station. The design includes major structural and electrical upgrades as well as replacement of the emergency generator and controls/SCADA upgrades. The LS21 upgrades are similar but also include a 2,000,000-gallon side stream storage tank.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$613,290.00	\$613,290.00

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Port of Iberia Millennium Expansion Project, New Iberia, Louisiana</p> <p>Client: Port of Iberia c/o CB&I</p> <p>Contact: Glenn Ledet, CB&I (225) 987-7170</p>	<p>The project involved the partial relocation of an existing 6" sanitary sewer force main and expansion of the Port of Iberia waste water treatment plant. The force main relocation was needed due to port expansion of Slip C-8. The treatment plant expansion was related to the overall port expansion to ensure treatment capacity into the future.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$56,000.00	\$56,000.00

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.

Volkert has served a long list of water and wastewater utility clients including cities, local municipalities, counties/parishes and private utility companies. Our performance is best evidenced by the long-term relationships that we have established with our clients including the client list from Alabama, Mississippi, Louisiana, and Florida for water and wastewater services found below. Volkert has provided services similar to those anticipated for this contract to the following clients:

New Orleans Sewerage and Water Board Atlanta Department of Watershed Management Mobile Area Water & Sewer System Birmingham Waterworks Board Daphne Utilities Board Emerald Coast Utility Authority City of Fairhope City of Saraland Diamondhead Water and Sewer District Rivera Utilities City of Gulf Shores Utility Board City of Biloxi City of Mobile Harrison County Utilities Authority City of Orange Beach West Baton Rouge Parish City of Natchez	City of Pritchard Alabama State Port Authority Mobile County Water, Sewer, and Fire Protection Authority Pritchard Water Works and Sewer Board Jefferson County Environmental Services City of Daphne ALDOT Baldwin County Commission Jefferson County Commission Mobile County Commission City of Tuscaloosa City of Foley City of Satsuma City of Creola City of Chicksaw Dauphin Island Water and Sewer Authority
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O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Janet L. Evans, PE, MBA
 Title: Vice President Date: March 31, 2022

JANET L. EVANS, PE, MBA

Ms. Evans has over 38 years of transportation and infrastructure project management and design experience, almost entirely on Louisiana projects, as well as experience in highway construction. Over the course of her career, she has worked extensively with the Louisiana Department of Transportation and Development in addition to municipalities, parishes, airports, and seaports across the state. Twelve years ago, she joined Volkert, which was founded in New Orleans in 1925, and has reestablished the firm as one of the state's leading consultants. More recently, she has managed or supported many of the state's large, fast-track, alternative delivery projects, including major projects on I-10, I-12, and other interstates. She also recently managed the state's first transportation CMAR project, the emergency shoulders project on the Lake Pontchartrain Causeway. She now leads a growing team of over 50 professionals in multiple disciplines in five different offices across the state for Volkert. Her experience includes both traditional design and

PROJECT EXPERIENCE

North Gravity Sewer Basin Projects | Plank Road Pump Station Improvements | East Baton Rouge Parish, LA | Volkert as a sub-consultant to the Arcadis team was engaged for the City of Baton Rouge for the replacement of five pump stations and the upgrade of three pump stations. Each of the pump stations will be working in conjunction with gravity and sewer upgrades in the North Gravity Basin to help in reducing sanitary sewer overflows in the basin that have occurred upstream from the pump stations. Volkert provided the site design for each of these pump station locations in the Plank Road area. The site design involved establishing a base line for each site, layout for new driveways as well as grading and drainage. Layout of yard piping for both force main and gravity sewers was laid out and established. Erosion and sediment control was also designed for each site. Volkert is responsible for completing the site design to meet the City of Baton Rouge standards and requirements. Volkert is also providing QA\QC services for the Structural, Mechanical and Electrical portions of the overall project.

Port of Iberia Millennium Expansion Project | New Iberia, LA | The project involves the partial relocation of an existing 6" sanitary sewer force main and expansion of the Port of Iberia waste water treatment plant. The force main relocation is needed due to port expansion of Slip C-8. The treatment plant expansion is related to the overall port expansion to ensure treatment capacity into the future. With the extension of Slip C-8, the existing force main would be cut off from the treatment plant at the port. Volkert provided design services relocating the force main so that it would not be impacted by the new slip. Means of relocating the line included approximately 600 feet of the line to be horizontally drilled below the proposed slip location, with the remaining 2100 feet to be installed through traditional open cut methods. The design also included the necessary air release valves, tie-ins and other items to ensure proper operation. The waste water treatment plant expansion involved increasing the capacity of the existing 100,000 gpd plant to 150,000 gpd capacity. Volkert worked with the plant operator to ensure the design would meet their needs as well as standards required by the local governing agencies. Along with the design of the additional treatment plant capacity, Volkert also designed a new flow splitter, weir box, filter, generator and other items to ensure plant operation. Volkert was responsible for completing the design on the force main and WWTP as well as providing Plans and Specifications to meet the Port of Iberia standards and requirements. Volkert is also providing review of submittals during construction for the Civil, Structural, Mechanical and Electrical portions of the sanitary sewer portion of the project.

Markham-Peachtree Storm Drain Line Improvements | City of Slidell, LA | Ms. Evans was Project Principal for this project, which consisted of developing a hydrologic & hydraulic study to develop recommendations for the replacement of an existing box culvert on the WP-20 Canal upper drainage basin in the City of Slidell, St. Tammany Parish, Louisiana. A hydraulic model of the WP-20 Canal and associated structures was created and analyzed using HEC-RAS, and water surface profiles were determined for the 5-, 10-, 25-, 50-, and 100-year return periods. Peak flow information for each of the storm events were also determined using different methodologies that included Win TR-55, USGS Regression equations and LADOTD's HYDRWINT. This information was then used to evaluate any improvements/impacts a larger box culvert would have (primarily a culvert



EDUCATION

M.B.A., Business Administration,
1986

B.S., Civil Engineering, 1980

REGISTRATIONS

Professional Engineer:

LA PE #21307

MS PE #09300

TX PE #89739

FL PE #36393

CERTIFICATIONS

OSHA 30-Hour Construction Safety
& Health

Louisiana DOTD Certified
Structural Concrete Inspector/
Technician

Louisiana DOTD Certified
Portland Cement Concrete Paving
Inspector/Techniciansional
Engineers (NSPE)

VOLKERT

PROJECT EXPERIENCE (Continued)

that would allow for the 100-year storm event). The project site is within an existing residential area with limited R.O.W. for the culvert and construction equipment. As part of the study and report, recommendations were made for the proposed culvert size. Recommendations were also made for certain issues that may arise during construction to limit or eliminate issues that may arise due to its location within a residential area.

Plank Road Pump Stations | Baton Rouge, LA | Ms. Evans served as Project Principal and Supervisor on this project. The project involves replacing five pump stations and upgrading three pump stations. Each station will be working in conjunction with gravity and sewer upgrades in the north gravity basin to help reduce sanitary sewer overflows in the basin that have occurred upstream from the pump stations. Volkert is responsible for completing site design for each pump station site in the Plank Road area to meet City standards and requirements. Site design involves establishing a base line for each site, layout for new driveways, grading and drainage. Layout of yard piping for both force main and gravity sewers was laid out and established. Erosion and sediment control were also designed for each site. Volkert is also providing QA/QC services for the structural, mechanical, and electrical portions of the project.

EXPERIENCE PRIOR TO JOINING VOLKERT:

Ninth Ward Collection System Evaluation Survey (CSES), New Orleans, Louisiana. Ms. Evans was project principal and supervised crews responsible for performing dyed water flooding at approximately 800 setups in the Ninth Ward area of New Orleans.

Canal Street Streetcar Design, Regional Transit Authority, New Orleans, Louisiana. As project manager Ms. Evans provided design services for the implementation of a light rail streetcar track on Canal Street from Salcedo to Baronne Street, including relocation of water line and other utilities in conflict.

Sanitary Sewer Evaluation Survey (SSES), City of Slidell, Louisiana. A multi-year sanitary sewer I/I program to identify and address structural, mechanical, and hydraulic capacity deficiencies in the wastewater collection system. SSES will be performed on half of the City's system

Capital Lake Pumping Station, East Baton Rouge City – Parish, LA. Preparation of construction plans and specifications for storm water pumping station consisting of 4 600hp electric pumps, pile foundation, four concrete sumps, one moveable steel gate to allow the sumps to be drained individually. Design considered the stress induced by unequal loadings when any of the sumps were empty. Operating deck concrete with concrete beam supports, with removable steel grating to allow bar screen removal as required. Roof was built up over corrugated sheet metal with skylights placed to allow removal of the pumps. Approach bridge was designed for both normal roadway loadings as well as crane loadings both movable and stationary for pulling of pumps. Detailed layout of the 42 in DI discharge lines with vacuum breakers at high points as it crossed over the Mississippi River levee.

BRUCE ADAMS, PE

Mr. Adams is a lifelong resident of the greater New Orleans area. He graduated in 1976 from Tulane University with a Bachelor of Science in Civil Engineering and is currently licensed as a professional engineer in Louisiana, Mississippi and Alabama, first licensed in Louisiana in 1980.

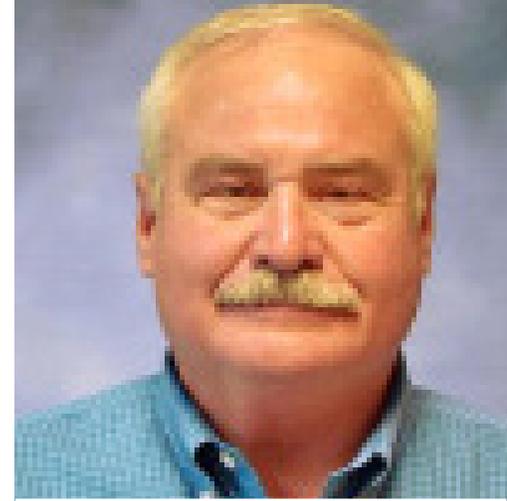
Upon graduation, Mr. Adams began employment with URS/Forrest and Cotton, legacy to URS Corporation. He was most recently employed there as the Metairie Office Manager with management responsibility for the Metairie office as well as the Mobile, Birmingham, Jackson and Little Rock branches. He served in this capacity until early 2015. Prior to that, Mr. Adams was employed by URS in the Metairie Office in varying roles of increasing experience and responsibility, following with his graduation from Tulane University. At the time of his departure from URS, Mr. Adams' responsibilities included management of all the URS Metairie office area operations, with responsibility for client maintenance and development, staffing and resource assignments, consultant coordination, extensive coordination of client/contractor relationships, contracts, contract administration, safety, QA/QC Program oversight, project administration and personnel management.

At the time of his departure from URS, Mr. Adams' responsibilities included management of all the URS Metairie office area operations, with responsibility for client maintenance and development, staffing and resource assignments, consultant coordination; extensive coordination of client/contractor relationships, contracts, contract administration, safety, QA/QC Program oversight, project administration and personnel management.

Mr. Adams' experience with URS Corporation included experience in the planning, engineering, design, management and oversight of infrastructure projects, including extensive experience in surface transportation, coastal restoration, sewerage, drainage, and flood and hurricane protection projects for clients including, but not limited to, USACE, LDOTD, MDOT, CPRA, Ports of New Orleans and Gulfport, the City of New Orleans, Jefferson Parish, St. Bernard Parish and in Post-Katrina recovery with USACE Task Force Guardian, Hurricane Protection Office, and New Orleans District Hurricane Risk Reduction System Programs as well as certain coastal restoration programs.

Of significance, Mr. Adams was key to the management, oversight and design of numerous sewer lift station and booster station and sewer force main design and construction projects throughout the West Bank of Jefferson Parish, primarily in the areas west of the Harvey Canal. Included in this program were many sewer lift station replacement projects which were complicated with excavation stability, foundation and ground water issues.

On November 30, 2015, Mr. Adams started then with the Sewerage and Water Board as Deputy Director of Engineering and Construction while occupying the seat of the Deputy General Superintendent. From that time until August of 2017, Mr. Adams was immersed within the engineering program focused upon training staff in contract and business aspects of construction and consultant contracting while directly working with the engineering staff and consultants on project and program management of capital and FEMA funded projects either in development or under construction. Following the flooding experienced in New Orleans on August 5, 2016 and after the departure of the Executive Director, CFO and General Superintendent, Mr. Adams assumed the position of Interim General Superintendent and thereby the additional responsibility of power production, drainage, water purification and distribution, and wastewater collection and treatment. While previously working in a role of directing engineering support to these programs, Mr. Adams was immediately thrust into the lead working with key senior department managers to initially address recovery efforts in power and drainage, and then also water distribution as a result of power constraints (boil water advisories) and the hard freeze in southeast Louisiana in early 2018.



EDUCATION

B.S., Civil Engineering, 1976

REGISTRATIONS

Professional Engineer:

LA PE #18752

AL PE #13804

MS PE #08468

VOLKERT

PROJECT EXPERIENCE

Contract Management and Administration of Filmore South (group A), final design services and pending construction phase services for Filmore South (Group B), and pending design services for Filmore South (Group C) for the City of New Orleans Department of Public Works, New Orleans, LA. The City created the Filmore Road Recovery project to restore the area's aging infrastructure and includes most area streets for various type of improvement including full reconstruction, concrete panel replacement, patch/mill/overlay (resurfacing of asphalt streets) and sidewalk repairs over 80 blocks in the Filmore South Group area. Volkert's responsibilities include providing survey, preliminary and final design services and construction phase services for Filmore South Group A, Group B, and for Filmore C with Filmore Group A nearing completion of construction, Group B just recently bid for construction and Group C just beginning design. Mr. Adams' responsibilities include project oversight as well as contract administration and management, and client management.

Filmore South Group A (RR042) – Construction is nearing an end on approximately 33,000 linear feet of street corridor improvements including incidental repairs, concrete panel replacement, patch/mill/overlay, and non-paving incidentals on sections of 28 local streets.

Filmore South Group B (RR043) – Bids have been received and construction will soon begin on approximately 3,500 linear feet of full pavement replacement of several local streets including significant sections of Cartier Avenue and Owens Boulevard, including all new pavement, sidewalks, ADA handicapped ramps, new water lines, new sewer lines, lining of sewer services laterals, and new drainage lines, as well as incorporation of the outfalls from the adjacent Mirabeau Garden stormwater management and green infrastructure project, and special consideration of pavements near aged oak trees.

Filmore South Group C (RR044) – Design is well underway and will consist of over 6,000 linear feet full pavement replacement of several local streets including Seville, Granada and Bancroft in the Filmore Group area north of Mirabeau Avenue. This will also include all new pavement, sidewalks, ADA handicapped ramps, new water lines, new sewer lines, lining of sewer services laterals, and new drainage lines, keeping in mind the recommendations of the Mirabeau Gardens stormwater management and green infrastructure project, as well as special consideration of pavements near aged oak trees.

ASHLEY BECKENDORF, PE

Ms. Beckendorf has specialized in infrastructure design, site development, drainage upgrades and roadway engineering and quantity calculations. Her experience includes development of plans and specifications for drainage upgrades, channel modifications, modeling assistance, utility relocation/coordination, gravity and force main lines, groundwater remediation, and site layouts for pump stations.

PROJECT EXPERIENCE

Muddy Creek Drainage Improvements in Ascension Parish, LA | Ms. Beckendorf did an independent review of the design and construction documents. Volkert is providing Engineering Design Phase Services to further refine and develop channel improvement recommendations for geometric modification of 24,590 ln. ft. of the upper limits of the Muddy Creek Channel into final construction documents. East Ascension Consolidated Gravity Drainage District.

Sewer Modeling for the City of Gonzales, LA. As Project Manager, Ms. Beckendorf was/is responsible for managing and engineering for the City of Gonzales sewer modeling and asset management.

Almonaster Avenue Bridge over the Inner Harbor Navigational Canal for the Louisiana Department of Transportation & Development / Port of New Orleans in New Orleans, LA | As a Project Engineer, Ms. Beckendorf was responsible for the design of the sewer forcemain, lift station, and water lines for the operator's house. This project consists of the development of preliminary design plans and estimate for a permanent rolling lift bascule bridge and approaches over the Inner Harbor Navigational Canal at Almonaster Avenue. This new bridge is to be constructed on the existing alignment while maintaining both rail and marine traffic. The proposed roadway work will include floodwall and levee relocations, subsurface drainage and utility improvements and relocations.

Multiple Pump Stations – Highway 61, Plank Road in Baton Rouge, LA | Volkert is providing preliminary site design, detailed site design, bidding services and engineering services during construction for four new pump stations using submersible pumps to replace existing pump stations. As project manager and project engineer, Ms. Beckendorf is performing the detailed site design in conjunction with GEC's design of the pumps, according to the Baton Rouge's SSO design requirements.

EXPERIENCE PRIOR TO JOINING VOLKERT

Siegen Lane Site Groundwater Treatment and Feasibility Study for BFI in Baton Rouge, Louisiana. As Project Engineer, Ms. Beckendorf assisted with sampling the water discharge from the groundwater air stripping application. She developed the groundwater hydraulic head distribution maps each month and calculated the groundwater flow using the potentiometric mapping each month. She also compared and analyzed the flux calculations versus the recovery of groundwater to study how well the groundwater remediation system was working.

Youngsville Compressor Station Groundwater Remediation for Texas Gas in Youngsville, LA. As Project Engineer, Ms. Beckendorf designed the remediation equipment, measurement and controls, piping, concrete pad and other components necessary for the horizontal and vertical air sparging system to eliminate groundwater contamination. She completed the construction plans and specifications using AutoCAD, which included an overall site plan, a well installation plan, a piping plan, an equipment pad plan, a P&ID, and all details of the remediation equipment to be constructed or installed.



EDUCATION

B.S., Civil Engineering, 2008

REGISTRATIONS

Professional Engineer:
LA PE #37334

CERTIFICATIONS

FHWA-NHI-142005 NEPA and the
Transportation Decision-making
Process

Traffic Engineering Analysis
Process & Report -Module 2

Traffic Engineering Analysis
Process & Report -
Module 3

VOLKERT

RYAN ORDENEUX, PE

Mr. Ordeneaux has engineered a variety of projects over his 18-year career including roadway design, bridge replacements, and aviation design. This includes interstates, highway, and local roadway design; traffic control plan development; hydraulic improvements; and drainage improvement projects throughout Louisiana. He has served as a project estimator with project management and inspection experience.

PROJECT EXPERIENCE

I-10 (Williams Boulevard to Veterans Memorial Boulevard), and Loyola Drive to Williams Boulevard in Jefferson Parish, Louisiana for the Louisiana Department of Transportation and Development (LA DOTD), c/o GEC, Inc. Mr. Ordeneaux served as Project Engineer for this project. This project involved the design of a new subsurface drainage system. It has approximately six major crossings that outfall into Canal No. 3, which parallels the interstate in this area. These drainage systems not only serve as the roadway drainage, but they also drain large segments of residential areas of Jefferson Parish that are located to the north of I-10. This approach required careful coordination with Jefferson Parish and the LA DOTD to ensure that all water elevations and drainage assumptions used were accurate and met all required design criteria.

Filmore South (Group A), final design services and pending construction phase services for Filmore South (Group B), and pending design services for Filmore South (Group C) for the City of New Orleans Department of Public Works, New Orleans, LA. The City created the Filmore Road Recovery project to restore the area's aging infrastructure and includes most area streets for various type of improvement including full reconstruction, concrete panel replacement, patch/mill/overlay (resurfacing of asphalt streets) and sidewalk repairs over 80 blocks in the Filmore South Group area. Volkert's responsibilities include providing survey, preliminary and final design services and construction phase services for Filmore South Group A, Group B, and for Filmore C with Filmore Group A nearing completion of construction, Group B just recently bid for construction and Group C just beginning design. **Filmore South Group A (RR042)** – Construction is nearing an end on approximately 33,000 linear feet of street corridor improvements including incidental repairs, concrete panel replacement, patch/mill/overlay, and non-paving incidentals on sections of 28 local streets. **Filmore South Group B (RR043)** – Bids have been received and construction will soon begin on approximately 3,500 linear feet of full pavement replacement of several local streets including significant sections of Cartier Avenue and Owens Boulevard, including all new pavement, sidewalks, ADA handicapped ramps, new water lines, new sewer lines, lining of sewer services laterals, and new drainage lines, as well as incorporation of the outfalls from the adjacent Mirabeau Garden stormwater management and green infrastructure project, and special consideration of pavements near aged oak trees. **Filmore South Group C (RR044)** – Design is well underway and will consist of over 6,000 linear feet full pavement replacement of several local streets including Seville, Granada and Bancroft in the Filmore Group area north of Mirabeau Avenue. This will also include all new pavement, sidewalks, ADA handicapped ramps, new water lines, new sewer lines, lining of sewer services laterals, and new drainage lines, keeping in mind the recommendations of the Mirabeau Gardens stormwater management and green infrastructure project, as well as special consideration of pavements near aged oak trees.

Roundabout at Highway 929 and Highway 930 in Prairieville, LA for Ascension Parish. Mr. Ordeneaux served as Lead engineer for this project. Volkert was assigned a task order for the Move Ascension program to develop plans for a Roundabout Highway 929 and Highway 930, Prairieville, LA. The roundabout will replace the existing stop-controlled intersection and consists of a single lane asphalt roundabout. The roundabout was designed through SIDRA, AASHTO, and Louisiana DOTD standards. The project required a traffic analysis, development of construction plans, drainage improvements, lighting, topographic survey, ROW mapping, geotechnical services and SUE services.



EDUCATION

B.S., Civil Engineering, 2003

REGISTRATIONS

Professional Engineer:
LA PE #39476

VOLKERT

RAY MILLER, PE

Mr. Miller, has 12 years of experience with Volkert, and has over 29 years of engineering experience. His project experience includes numerous water and wastewater projects for a variety of municipal and industrial clients. Those projects include oversight of AMI procurement and installation, water main upgrades, water treatment plant rehabilitation projects, water treatment plant chemical storage and distribution projects, water distribution system projects, new groundwater well/treatment/storage projects, elevated storage tank inspection and recoating projects, new water booster station installations, and hydraulic modelling projects. He has also led a variety of wastewater, energy, chemical plant, and forest products projects for clients throughout the southeast.

PROJECT EXPERIENCE

Principal-in-Charge for Advance Metering Infrastructure (AMI) Pilot Study and Full Implementation Services in Mobile, AL for the Mobile County Water, Sewer & Fire Protection Authority

| Volkert assisted the Authority with an AMI pilot study for the selection of a smart meter for the implementation of a fixed base AMI system. Volkert assisted the Owner with developing the technical requirements for reliable communication by utilizing existing water towers for base stations and breakaway poles for repeaters. Volkert developed the procurement specifications for the equipment including the items needed for an analysis of a complete system over a 20 year span for analysis. The RFP developed included the requirement for 100 meters and one collector being installed in a pilot area to confirm the operation and software reliability. Following the successful pilot study, specifications were developed and bid to procure the 13,000 meters and a second contract developed and bid to install the 13,000 meters. Volkert provided the construction oversight of the water meter installation.

Principal-in-Charge for AMI Water Meters Installation Mobile, AL Mobile Area Water and Sewer System (MAWSS)

| This project involves assisting MAWSS with developing two (2) separate bid specifications for the purchase of AMI water meters, and the replacement of existing water meters with AMI water meters in accordance with the requirements of the State Revolving Fund (SRF) program. The bid for the AMI water meters included the purchase of various size AMI water meters for installation by both MAWSS crews and by an annual contract for the installation of the smart meters. The specifications for the annual contract for installation of the AMI meters included the various requirements and items to install/replace both residential owner supplied AMI meters and commercial compound AMI meters. Volkert was responsible for writing the procurement documents for the required equipment.

Project Manager for storm water pump replacement at 51 Viaduct Road pump station in Chickasaw, Alabama, for the City of Chickasaw, Alabama.

The scope of the project included replacement of a storm water pump and associated equipment damaged by hurricane Katrina. This project was partially funded through FEMA reimbursement to the City of Chickasaw. Volkert's responsibilities included engineering design and construction inspection services.

Project Manager for Eslava Creek Pump Station Renovations for MAWSS in Mobile, AL.

Mr. Miller served as the project manager for the pump station upgrade. The scope includes addition of a fourth 280 HP Pump, expansion of the existing power center, upgrading the diesel generator, and installation of an above ground fuel storage tank. The project includes lifting equipment improvement, HVAC improvements, wet well rehabilitation, pumping improvements, and paint rehabilitation. All work will be accomplished while maintaining operation of the existing equipment. Specialty contractors will be employed to accomplish work without conventional bypass pumping. Controls upgrades will also be performed on a phased approach to keep existing systems operational.



EDUCATION

M.S., Business, 1999
B.S., Mechanical Engineering,
1991

REGISTRATIONS

Professional Engineer:

LA PE #34526
MS PE #19047
FL PE #62180
AL PE #25108
TX PE #121427

VOLKERT

MELINDA IMMEL, PE

Ms. Immel has 25 years of experience since joining Volkert in 1995 and is responsible for the design of civil and utility engineering projects for municipalities and utility boards. She has served as the Project Manager and Project Engineer for various ALDOT utility relocation projects that consisted of relocating utilities for local municipalities to accommodate highway improvement projects.

PROJECT EXPERIENCE

Project Manager for Headworks Renovations for the Daphne Utility Board. Volkert performed extensive analysis of the existing unit processes at the Daphne Utilities WRF. At the time of the initial analysis, influent flows were exceeding the hydraulic capacity of the headworks system during peak influent conditions which resulted in overflows to a manual bar screen. The peak hydraulic flows also created capacity problems downstream of the UV disinfection process for the gravity outfall. Limitations in the existing Class A biosolids process were also investigated. As a result of these analyses, several upgrade projects were recommended. The capacity limitations of the gravity outfall system were selected to be addressed first. Volkert performed detailed design and construction engineering inspection services for the WRF outfall line capacity improvements. These improvements included installation of a three pump system that operates during peak flow periods when pumping is required in order to deliver the treated effluent to the outfall in the Mobile Bay. The project included VFDs for full range control of the flow as well as all necessary civil, structural, mechanical, electrical, and instrumentation upgrades.

Project Manager for General Engineering services in Daphne, Alabama, for the Utilities Board of the City of Daphne. Volkert prepared the 2003, 2004 Annual Report for the Utilities Board. Volkert was responsible for creating this annual report that summarizes operation and maintenance conditions to assist the Board and staff with planning for improvements and expansions to facilities. Daphne utilities was created to own, operate and maintain water, sewer, and gas facilities that provide related services to customers in Daphne and surrounding areas.

Project Manager to provide WWTF upgrades to the City of Fairhope, AL. The City of Fairhope's water department dates back to 1916 and services an estimated 40,000 residents in Baldwin County, Alabama. The sewer collection system has 65 lift stations and over 130 miles of pipe that deliver collected wastewater to the City's 4.0 million gallon day (MG) Water Resource Recovery Facility (WRRF). In the 1990's the original Wastewater Treatment Facility (WWTF) was renovated but the Operations staff noticed an increase in waste loadings beyond the original design parameters thereby reducing the facility's treatment capacity. With the continued growth that the City has been experiencing the facility was in need of modifications/renovations. The City recognized that modifications would need to address current conditions but also provided an opportunity to go a step further to continue their commitment to protecting and even improving the environment. The City requested Volkert Inc. to design a project that would not only address current needs but would also address nutrient removal and enhance effluent water quality through filtration. Volkert provided design and construction engineering services to upgrade the facility in a way that would allow for treated effluent to be discharged into nearby Mobile Bay which would provide environmental enhancements for the quality of life in Baldwin County.

Project Manager for the Renovations/Upgrades to the Saraland WWTP in Saraland, Alabama. The project included the evaluation of process alternatives, design for renovations to the existing Saraland Wastewater Treatment Plant including modifications to the headworks, conversion of the biological process to a sequencing batch reactor (SBR), and construction of a UV system, digester, and dewatering facility. The project scope consisted of four tasks: evaluation of process alternatives, design, construction inspection services, and training and Operation & Maintenance Manuals.



EDUCATION

B.S., Civil Engineering/
Environmental Certificate, 1995

REGISTRATIONS

Professional Engineer:
AL PE #24706
MS PE #189310

PROFESSIONAL ACTIVITIES

American Society of Civil
Engineers

Water Environment Federation

Alabama's Water Environment
Association

VOLKERT

PROJECT EXPERIENCE

Project Manager for Fairhope Water Resource Recovery Facility (WRRF) for the City of Fairhope, AL. The City requested Volkert Inc. to design a project that would not only address current needs but would also address nutrient removal and enhance effluent water quality through filtration. Volkert provided design and construction engineering services to upgrade the facility in a way that would allow for treated effluent to be discharged into nearby Mobile Bay which would provide environmental enhancements for the quality of life in Baldwin County. Volkert designed upgrades and oversaw construction to all aspects for the 4.0-million gallon per day (MGD) treatment facility including the screening system removal for solids, aeration system to foster nutrient removal, clarification and ultraviolet disinfection to removal suspended particles and digestive system to improve solids operations.

Project Manager for Design of a new 1.25 MGD wastewater treatment plant for Diamondhead, MS Water and Sewer District. Construction of the new 1.25 MGD wastewater treatment plant was substantially completed March 31, 2017, fifty days ahead of schedule with less than 0.5% change orders (including Owner requested enhancements). The operations staff have noted a decrease in power consumption, increased treatment performance, and praised the ease of operations.

Project Engineer and Project Manager for the design of various wastewater treatment facility (WWTF) upgrades including the Saraland WWTF, the Fairhope WWTF, the Gulf Shores Water Reclamation Facility (WRF), and the Williams WWTF for the Mobile Area Water & Sewer System (MAWSS). The projects included performing the process and hydraulic designs for upgrading existing equipment and for new equipment and structures that enhanced the abilities of the treatment facilities to meet revised National Pollutant Discharge Elimination System (NPDES) permit limits and ensure permit compliance.

Project Manager for renovations to the above ground storage tank at Myers Water Filtration Facility in Mobile, Alabama, for the Mobile Area Water and Sewer System (MAWSS). Volkert's design included a 1,500-gallon above ground fuel tank and the installation of a day tank to service an existing emergency generator for the Myers WFF. The day tank provided fuel from the above ground storage tank to the existing emergency generator.

Project Engineer for a sanitary sewer system to serve Rabbit Creek Drive/Dog River Road in Mobile, Alabama, for MAWSS. The project consisted of a feasibility study of a low-pressure, sanitary sewer force main system to serve the Rabbit Creek Drive/Dog River Road area. Project Manager for the Replacement of Chickasaw Stormwater Pump Station, in Chickasaw, Alabama, for the City of Chickasaw. Volkert provided the design for a 60-foot, steel sheet pile bulkhead wall to replace the old damaged and decaying tied-back timber bulkhead wall at the pipe outlets for the city's pump station. The pump station bulkhead is located adjacent to the Mobile River at the Port of Chickasaw compound, which is just off Highway 43 in Chickasaw, Alabama. The scope of work included the design for a steel sheet pile wall bulkhead approximately 60-feet long to be constructed in front of the existing damaged timber bulkhead at the Chickasaw Stormwater Pump Station. Volkert had to provide for the passage of two 30-inch diameter steel pipes through the bulkhead. Deliverables included plans, specifications, and bid documents.

Project Manager for utility relocation services as a part of the master contract for general engineering services, Mobile, Alabama, for the Mobile Area Water and Sewer System. The project consisted of the necessary utility relocations to accommodate improvements at I-10 and Virginia Street in Mobile, Alabama. Services provided included developing plans and specs for the relocation of existing utilities as necessary to accommodate the intersection modifications proposed by ALDOT. Volkert provided project area research to determine what facilities needed to be relocated; coordinated utility agreements with the MAWSS Project Manager and ALDOT; provided plans and specs to ALDOT for inclusion into bid documents; and performed CEI services in accordance with ALDOT Utility - Consultant Engineering Agreement. Project special circumstances included field locating the existing water main to further evaluate if a conflict exists with proposed storm drain improvements.

MELISSA O'SULLIVAN, PE

Mrs. O'Sullivan has over 25 years of water/wastewater experience, including a recently completed AMI/AMR project within Mobile County, AL. Melissa will be a technical resource for this project providing plans and specifications for the replacement of AMR/AMI water meters. She has served as Project Manager for numerous utility improvement projects along the Gulf Coast and in the North West Florida region for local municipalities. She is responsible for overseeing and developing plans, specifications and contract documents. Her experience includes water and sewer relocations, collection and distribution expansions, permitting, reporting, rehabilitation and operational facilities.

PROJECT EXPERIENCE

Project Manager for Advance Metering Infrastructure (AMI) Pilot Study and Full Implementation Services in Mobile, AL for the Mobile County Water, Sewer & Fire Protection Authority

Volkert assisted the Authority with an AMI pilot study for the selection of a smart meter for the implementation of a fixed base AMI system. Volkert assisted the Owner with developing the technical requirements for reliable communication by utilizing existing water towers for base stations and breakaway poles for repeaters. Volkert developed the procurement specifications for the equipment including the items needed for an analysis of a complete system over a 20 year span for analysis. The RFP developed included the requirement for 100 meters and one collector being installed in a pilot area to confirm the operation and software reliability. Following the successful pilot study, specifications were developed and bid to procure the 13,000 meters and a second contract developed and bid to install the 13,000 meters. Volkert provided the construction oversight of the water meter installation.

Project Manager for AMI Water Meters Installation Mobile, AL Mobile Area Water and Sewer System (MAWSS)

This project involved assisting MAWSS with developing two (2) separate bid specifications for the purchase of AMI water meters, and the replacement of existing water meters with AMI water meters in accordance with the requirements of the State Revolving Fund (SRF) program. The bid for the AMI water meters included the purchase of various size AMI water meters for installation by both MAWSS crews and by an annual contract for the installation of the smart meters. The specifications for the annual contract for installation of the AMI meters included the various requirements and items to install/replace both residential owner supplied AMI meters and commercial compound AMI meters. Volkert was responsible for writing the procurement documents for the required equipment.

Project Manager for the Utility Relocation Services Related to the Broad Street Improvements for MAWSS.

This project involved the design of water and sanitary sewer main replacement and/or relocation in conflict with the proposed road and drainage improvements. The existing water mains range in size from 4-inch to 24-inch and will involve larger steel encasement pipe, insert valves, tapping valve and sleeves and line stops to allow for the relocation and replacement. The existing sanitary sewer mains range in size from 8-inch to 20-inch and will involve several directional drilled depressed sewers to allow for the relocation and replacement of the existing sewers. These relocations are proposed as a part of a four-phase highway improvements project for Broad Street. Existing cast iron water mains will be replaced with C900 PVC. The existing gravity sanitary sewer will be replaced within the project limits.

Project Manager for the Water Main Relocation near Collegiate Drive for Bay County Commission.

Volkert developed plans and specifications for the project which included coordination with local utilities (Gulf Power), and traffic control as necessary during construction phase services. This project includes developing plans and specifications for the relocation of the 24" water main near Collegiate Dr and the Hathaway Bridge on the North side of US 98. The project includes installing tapping valve and sleeves and line stop to allow for the relocation of the water main without disruption of service. The specifications will utilize the Bay County Standard Specifications.



EDUCATION

B.S., Civil Engineering, 1995

REGISTRATIONS

Professional Engineer:

FL PE # 61463

AL PE # 23400

MS PE # 18940

CERTIFICATIONS

ITCP NASSCO Certification #CIPP-612-0772

PACP, MACP, LACP NASSCO Certification

Evolution of Municipal Separate Storm Sewer System (MS4) Permit and Program Requirements

VOLKERT

THOMAS BRYMER, PE

Mr. Brymer joined Volkert in 2019 and has over four years of engineering intern experience. He is experienced in the design, equipment selection, development of technical specifications, and permitting phases of projects. His technical experience includes project and construction management, technical studies, water and wastewater treatment plant design, water distribution and wastewater collection systems design, and master plan development.

PROJECT EXPERIENCE

Eastern Area MSW Landfill Unit 2 - City of Birmingham, Alabama. The project includes designing a 15 acre landfill unit and approximately 6,600 LF of leachate pumping and collection system.

Lift Station No. 3 Motor Control Upgrades and Bypass Pipe Installation - City of Tuscaloosa, Alabama. The project includes performing a system assessment and evaluation of existing and future Lift Station No. 3 pumping capacities and determine Basis of Design Report.

Lift Station No. 21 Equalization or Pump Station Upgrades - City of Tuscaloosa. The project includes performing a system assessment and evaluation of existing and future Lift Station No. 21 pumping capacities and determine Basis of Design Report.

Whiting Aviation Park Phase 1 in Santa Rosa County, Florida, as a subconsultant to Moffatt & Nichol, for the Santa Rosa County Board of Commissioners. The project includes designing and developing technical specifications for approximately 7,000 linear feet (LF) of gravity sewer, 1,500 LF of sewer forcemain, 17,000 LF of water main, two water booster stations, two water storage tanks, and one sewer lift station to support future industrial development at the proposed Whiting Aviation Park.

Hilliard Fletcher WWTP Digester System Phase II in Tuscaloosa, Alabama, for the City of Tuscaloosa. The project includes designing and developing technical specifications for boiler and digester bio-gas conditioning systems as a part of a multi-phase digester improvements project.

EXPERIENCE PRIOR TO JOINING VOLKERT

I-165 Resurfacing: The project included planing, resurfacing, sidewalk installation, and traffic striping on the I-165 Service Roads, for a length of approximately 1.63 miles.

SR 163 Resurfacing: The project included planing, resurfacing, and traffic striping on SR 163 for a length of approximately 2.42 miles.

Farrell Creek-Chattahoochee Interceptor Upgrades: Mr. Brymer performed design and construction management duties for this project. This project included the upsizing of approximately 6,700 linear feet of 10-inch and 12-inch vitrified clay pipe gravity sewer to 16-inch ductile iron pipe. Design and construction costs were approximated to be \$2,500,000.

Gold Creek Way Sanitary Sewer Rehabilitation: Mr. Brymer performed construction management duties. This project included the replacement and realignment of approximately 800 linear feet of polyvinyl chloride gravity sewer with 8-inch ductile iron pipe. Construction costs were approximated to be \$400,000.

Lake Colony Drive Sewer Rehabilitation: Mr. Brymer performed construction management duties. This project included the replacement of approximately 960 linear feet of 8-inch vitrified clay pipe gravity sewer with 8-inch ductile iron pipe. Also, approximately 830 linear feet of lining will be performed by means of cured-in-place pipe. Construction costs were approximated to be \$756,000.

Ambercrest Sewer Extension: Mr. Brymer performed design and construction management duties. This project included the rerouting of Windsor at Lanier pump station to a new discharge manhole, decommissioning Ambercrest pump station, and installing approximately 4,520 linear feet of new 8-inch and 12-inch ductile iron pipe gravity sewer. Design and construction costs were approximated to be \$2,000,000.



EDUCATION

M.S., Systems Engineering, 2018
B.S., Civil Engineering, 2016
A.A., Pre-Engineering, 2013

REGISTRATIONS

Professional Engineer:
LA PE #45901
AL PE #39287
FL PE #90078

PROFESSIONAL CERTIFICATIONS

NASSCO PACP, MACP, LACP #U-
0118-070300242

ACI Concrete Field Testing
Technician-Grade I #01349554

PROFESSIONAL AFFILIATIONS

American Society of Civil
Engineers (ASCE)

Environmental & Water Resources
Institute (EWRI)

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KATHRYN “KATIE” MCCOY, PE

Mrs. McCoy joined Volkert in the summer of 2020, after completing her Masters of Science studies and interning with other engineering firms. She joins the utility department where she works on projects related to utility services. Her primary experience is in the design of water distribution systems and wastewater collection and conveyance systems. She also has experience in permitting and construction phase services. She is an active member of the Alabama Water Environment Association and a member of the Water Environment Foundation Collection Systems Committee.

PROJECT EXPERIENCE

Project Engineer for Williams Road Water Relocation for the Mobile County Water, Sewer, and Fire Protection Authority. The project included the design of a 6” water main relocation inside of a Mobile County roadway improvement project. Mrs. McCoy performed conceptual and final design and drafting for the client and stayed in communication with Mobile County for any updates to the roadway plans.

Project Engineer for Foley Beach Express Water and Sanitary Sewer Upgrades in Baldwin County, Alabama for Riviera Utilities. Design of 12” water main and 10” force main that included bores under a creek. Mrs. McCoy performed conceptual and final design and drafting. She has been involved in the construction administration of the project by reviewing submittals.

Project Engineer for Lift Station 21 Upgrades and Equalization Tank Design in Tuscaloosa, AL for The City of Tuscaloosa. The City of Tuscaloosa’s Infrastructure and Public Services department operates and maintains 63 lift stations, 11,629 manholes, and 566 miles of collection system. This project consisted of upgrades to the lift station and design of an equalization tank to manage peak flow scenarios. Volkert was responsible for concept development for upgrade of an existing lift station, including design of an equalization tank to manage peak flow scenarios. Upgrades included provisions for back-up power and access improvements to facilitate maintenance and address safety through modifications to eliminate confine spaces.

Project Engineer for Water Main Improvements from Tank 8 to Theodore Dawes Road for Mobile County, AL Water, Sewer & Fire. Design of 16” water main in residential area with connections to existing water mains and a 70 foot bore under a 5-lane roadway. Kathryn performed conceptual design and drafting and completed necessary permitting with Mobile County for ROW work and boring under roadway. Kathryn has been involved in the construction administration of the project by reviewing submittals.

Project Engineer for Raw Water Main for Diamante Well for Daphne Utilities. Design of 10” raw water main to an existing treatment facility along a rural easement that crosses two small streams. Kathryn performed calculations to assist in sizing the water main and well pump, developed the horizontal alignment for the water main, and developed the plan and profile sheets for permitting and bidding.

Project Engineer for 2019 PAYGO Weaver Road Realignment. Design for relocation of water main to accommodate a roadway rerouting project. Kathryn performed conceptual and final design and developed the plan and profile sheets for inclusion in roadway plans.

Project Engineer for Craft Highway 20” Water Main for Mobile Area Water and Sewer Service. Design of a 10” and 20” water main upgrade in conjunction with a bridge replacement that connects City of Mobile to The City of Prichard. Kathryn gathered permit requirements and maintained correspondence with City of Mobile and The City of Prichard to get permit applications submitted and approved in a timely fashion.

Project Engineer for CBD I59/I20 ACIMF-I059(385) for ALDOT. Kathryn worked with the Structural group to perform bridge rating analyses using AASHTOWare Bridge Rating software.

Project Engineer for Miscellaneous Engineering for Mobile County, AL Water, Sewer & Fire. This task encompasses multiple projects that are most often associated with county roadway projects. The projects require conflict review and are pulled out to become a standalone project if conflicts warranting relocation design are identified.



EDUCATION

M.S., Civil Engineering, 2020

B.S., Civil Engineering, 2016

REGISTRATIONS

AL PE #40289

PMI Certified Associate Project
Manager # 2978534

PROFESSIONAL ACTIVITIES

Water Environment Federation

- Students and Young Professionals Committee
- Public Communications and Outreach Committee
- Alabama Women in Water Social Chair

Society of Women Engineers

- Secretary American Water Works Association
- Member

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TONY CELANO, EI

Mr. Celano joined Volkert in 2020, he assists Professional Engineers in plan preparation for civil related construction projects and contributed to on-going construction management.

PROJECT EXPERIENCE

Design Engineer for I-10 (Williams Boulevard to Veterans Memorial Boulevard), and Loyola Drive to Williams Boulevard in Jefferson Parish, Louisiana for the Louisiana Department of Transportation and Development (LA DOTD), c/o GEC, Inc. This project involved the design of a new subsurface drainage system. It has approximately six major crossings that outfall into Canal No. 3, which parallels the interstate in this area. These drainage systems not only serve as the roadway drainage, but they also drain large segments of residential areas of Jefferson Parish that are located to the north of I-10. This approach required careful coordination with Jefferson Parish and the LA DOTD to make sure that all water elevations and drainage assumptions used were accurate and that the completed design met all required design criteria. Mr. Celano's responsibilities included reviewing submittals, checking drainage design plan, and rendering new sheets as needed.

Design Engineer for Filmore South (Group A), final design services and pending construction phase services for Filmore South (Group B), and pending design services for Filmore South (Group C) for the City of New Orleans Department of Public Works in New Orleans, Louisiana. The City created the Filmore Road Recovery project to restore the area's aging infrastructure and includes most area streets for various type of improvement including full reconstruction, concrete panel replacement, patch/mill/overlay (resurfacing of asphalt streets) and sidewalk repairs over 80 blocks in the Filmore South Group area. Volkert's responsibilities include providing survey, preliminary and final design services and construction phase services for Filmore South Group A, Group B, and for Filmore C with Filmore Group A nearing completion of construction, Group B just recently bid for construction and Group C just beginning design. Mr. Celano is responsible for roadway design, drainage design calculations, preparing plan and profile sheets.

Design Engineer for Demo Basins C-7 and C-8 in New Orleans, Louisiana; New Orleans Sewage & Water Board. This project consisted of the design of a new stormwater detention tank system and site development for a proposed power plant. This involved the evaluation of existing facilities to be removed and foundation improvements for future uses. It also involved the design of stop logs and jib cranes foundation connections to existing walk ways for future plant maintenance of existing settling basins. Mr. Celano's responsibilities included reviewing submittals, checking drainage design plan, and rendering new sheets as needed.

Design Engineer for IH-35 Capital Express North; Austin, TX; Texas Department of Transportation. Volkert was contracted ahead of schedule specifically to assist with the schematic transition to PS&E phase on behalf of TxDOT. Volkert leveraged 3-D technology to ensure ROW encroachments were accurately captured and conveyed as part of the environmental process. Volkert was also tasked and led many development issues along the corridor routinely on schedule. Mr. Celano was responsible for barrier design, and plan set production.

Prior to joining Volkert, Mr. Celano gained experience working for Delta Coast Consultants as an Engineer Intern where he developed hydraulic and hydrologic models via HEC-RAS of rban and rural drainage systems.



EDUCATION

B.S., Civil Engineering, 2019

REGISTRATIONS

LA EI #34607

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The logo graphic consists of two overlapping triangles that meet at a point on the right side. The upper triangle is dark blue and contains the word 'VOLKERT' in white. The lower triangle is a light green color. The overall shape is a long, thin, horizontal banner that tapers to a point on the right.

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