

JEFFERSON PARISH, LOUISIANA

PROVIDE ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS

SOQ No. 24-013



VOLKERT





June 21, 2024

Jefferson Parish Purchasing Department
c/o Shanna Folse, Purchasing Specialist II
200 Derbigny Street, Suite 4400
Gretna, LA 70053

RE: STATEMENT OF QUALIFICATIONS TO PROVIDE ROUTINE ENGINEERING SERVICES FOR WATER PROJECTS; SOQ NO. 24-013; RESOLUTION NO. 144203

Dear 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 99-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 our team to a contract with the Parish upon selection. I can be reached via phone at 225-270-1454 or via e-mail at jan.evans@volkert.com.

Sincerely,
VOLKERT, INC.

Janet L. Evans, PE, MBA
Vice President

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects
Resolution No. 144203

B. Firm Name & Address:

Volkert, Inc.
4141 Bienville Street, Suite 102
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
9448 Brookline Avenue
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
9448 Brookline Avenue
Baton Rouge, LA 70809

Jonathan Gambino, PE, PTOE, RSP1
LA PE # 41496
Operations Manager
(504) 488-8002
jonathan.gambino@volkert.com
4141 Bienville Street, Suite 102
New Orleans, Louisiana 70119

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

<p><u>16</u> Administrative <u> </u> Architects (Licensed) <u> </u> Chemical Engineers <u>22</u> Civil Engineers <u>28</u> Construction Inspectors <u> </u> Ecologists <u> 2</u> Electrical Engineers <u> </u> Engineer Intern <u> 6</u> Professional Land Surveyors <u> 8</u> CADD Technicians</p>	<p><u>27</u> Estimators <u> </u> Geologists <u> </u> Geotechnical Engineers <u> </u> Interior Designers <u> </u> Landscape Architects <u> </u> Land Surveyor <u> </u> Mechanical Engineers <u> </u> Environmental Engineers <u> 4</u> Construction Managers</p>	<p><u> </u> Specification Writers <u> 3</u> Structural Engineers <u> </u> Graduate Engineers <u>11</u> Project Managers <u> </u> Clerical <u> </u> Grant/Funding Specialist <u> </u> Sanitary Engineers <u>123</u> TOTAL</p>
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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:
16
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 42 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:
Jonathan Gambino, PE, PTOE, RSP1 Project Manager/Operations Manager
Project Assignment:
Project Manager - Operations Manager
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
BS, 2012, Civil Engineering
Active registration: Year first registered/discipline:
LA PE #41496, 2017, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Gambino joined Volkert in 2020 and has 11 years of experience developing civil and traffic engineering plans, specifications and studies. This includes identifying and adhering to applicable state policies and procedures for project plan development. His experience includes the use of MicroStation, InRoads, AASHTOWare Project, VISSIM, Vistro, Synchro plus SimTraffic, Sidra Intersection, HCS, Tru-Traffic, AutoCAD, ACAD Civil 3D, CORSIM, TEAPAC, and TS/PP Draft programs. He is an ITE PTOE (#4433) and has obtained his ATSSA Flagger certification. LADOTD Traffic Training Complete.

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:
10
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 16 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:
6
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 22-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:
Clinton Patrick, PE, PLS Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
8
Education: Degree(s)/Year/Specialization:
BS, 2012, Civil Engineering
Active registration: Year first registered/discipline:
LA PE #40919, 2016, Civil Engineering LA PLS #5311, 2023, Surveyor
Other experience and qualifications relevant to the proposed Project:
Mr. Patrick has 10 years' experience. His skills include Team & Project Management, Relationship Building, Critical Analysis, Strategic Planning, Delegation, Budgeting, HEC-RAS, Autodesk Storm & Sanitary Sewer Analysis, MicroStation, AutoCAD Civil 3D. His certifications include: Class IV Wastewater Operator (Treatment & Collection).

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Raymond "Ray" Miller, PE QA/QC Manager
Project Assignment:
Project Manager
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
30
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 47 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:
Thomas Brymer, PE Project Engineer
Project Assignment:
Project Engineer
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
8
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 11 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:
Melinda Immel, PE Project Engineer
Project Assignment:
Project Engineer / Wastewater Design Facility Specialist
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
29
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 29 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 led the design and rehabilitation of numerous lift 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 / Wastewater Facility Design Team Leader
Project Assignment:
Water / Wastewater Coordinator
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
27
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 29 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:
Trey Pecoraro, EI Engineering Intern
Project Assignment:
Engineer Intern
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
>1
Education: Degree(s)/Year/Specialization:
BS, 2022, Civil Engineering
Active registration: Year first registered/discipline:
LA EI #35212, 2022, Civil Engineering
Other experience and qualifications relevant to the proposed Project:
Mr. Pecoraro serves as an Engineering Intern for Volkert's New Orleans practice and has 2 years of experience in both construction and design for several projects in Louisiana including: bridge construction, in-service bridge inspection, roadway construction, retaining wall construction, traffic studies/ analyses, and safe street action plans. His responsibilities have included: project management, construction engineering and inspection, traffic count analysis, crash data analysis, quality control, and bridge inspection.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lutfi Saleh Technician
Project Assignment:
Engineering Technician
Name of Firm with which associated:
Volkert, Inc.
Years' experience with this Firm:
>1
Education: Degree(s)/Year/Specialization:
BS, 2020, Civil Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
Mr. Saleh joined Volkert in 2024. He is a highly motivated with the desire and drive to gain experience and knowledge about all aspects of the engineering field. Capable of working independently with multiple tasks and committed to providing high quality service to every project with focus on roadway/drainage design. Mr. Saleh is pursuing experience to obtain a professional engineer license. He has trained personnel in the use of Design Programs such as: AutoCAD, Civil 3D, GeoPak MicroStation, OpenRoads Designer, Bluebeam, and Microsoft Excel.

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" diameter water main or the Malbis area 12" 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, which were all met, 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. 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 | City of Pritchard |
| Atlanta Department of Watershed Management | Alabama State Port Authority |
| Mobile Area Water & Sewer System | Mobile County Water, Sewer, and Fire Protection Authority |
| Birmingham Waterworks Board | Pritchard Water Works and Sewer Board |
| Daphne Utilities Board | Jefferson County Environmental Services |
| Emerald Coast Utility Authority | City of Daphne |
| City of Fairhope | ALDOT |
| City of Saraland | Baldwin County Commission |
| Diamondhead Water and Sewer District | Jefferson County Commission |
| Rivera Utilities | Mobile County Commission |
| City of Gulf Shores Utility Board | City of Tuscaloosa |
| City of Biloxi | City of Foley |
| City of Mobile | City of Satsuma |
| Harrison County Utilities Authority | City of Creola |
| City of Orange Beach | City of Chicksaw |
| West Baton Rouge Parish | Dauphin Island Water and Sewer Authority |
| City of Natchez | |

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: June 21, 2024



JANET L. EVANS, PE, MBA | Principal-in-Charge

Ms. Evans has over 42 years of roadway and bridge project management and design experience in design and construction of transportation projects. This includes urban freeway design, stage 0 studies, capacity improvements, (lane additions), environmental justice and interchange modifications as well as both traditional design and an alternative design build considered confined work zones, traffic queuing and limited lane closures and development of construction sequencing for the high average daily traffic volume interstates. Her combination of construction and design experience has been utilized by the department in various alternative delivery projects including the development of draft CMAR guidelines and the development of a design build construction manual. Ms. Evans experience from both the construction side and the design side allows her to provide insight which aids in the resolution of issues in alternative delivery projects. She has numerous years of experience serving as a Principal on alternative LADOTD projects and is currently providing Construction Quality Assurance on several urban roadway and bridge replacement projects in the area.

EDUCATION:

MS, Business Administration, 1986

B.S., Civil Engineering, 1980

REGISTRATIONS:

Professional Engineer:

- LA PE #21307
- MS PE #09300
- TX PE #89739
- FL PE #36393

TRAINING:

- OSHA 30-Hour Construction Safety & Health
- Louisiana DOTD Certified Structural Concrete Inspector/Technician
- Louisiana DOTD Certified Portland Cement Concrete Paving Inspector/Technician
- FHWA – NHI Course No. 134037A, Managing Highway Contract Claims: Analysis and Avoidance (8/2015)

Project Experience

Port of Iberia Millennium Expansion, New Iberia, LA. Ms. Evans served as Project Principal. Volkert was a subconsultant to Shaw and provided engineering services. Tasks included the design of a 50,000 gallon per day expansion of the existing wastewater treatment facility, and the design of the relocation of approximately 300 linear feet of 6" sanitary sewer force main piping along Cornelius P. Voorhies Road for the crossing of the proposed slip expansion.

St. Landry Edenborne Connector, Ascension Parish, LA. Ms. Evans served as Project Principal. As the prime consultant under this contract, Volkert was responsible for the management of subconsultants performing right of way acquisition services, survey services, subsurface utility coordination and location, geotechnical study and investigation, and laboratory. Environmental services for this project included project permitting, including a 404/10 permit application, and NEPA documentation, an Environmental Assessment in accordance with FHWA's technical advisory T 6640.8A for the preparation of environmental documents, and a final EA and FONSI. Volkert was responsible for the Design Plan Development, from initial preliminary information submittal to the 100% final plan submittal. The aggressive project schedule of 6 months for final plans was maintained in hopes of utilizing TIGER grant funds.

Odor Control System at South WWTP, Baton Rouge, LA. Ms. Evans served as Project Principal. 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. Volkert and CDM evaluated the odor control technology originally selected by the Program Manager during conceptual design, and selected an alternative odor control technology that reduced operational and maintenance costs while still providing adequate performance to meet the project objectives. 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. In this application, carbon adsorption offered advantages in terms of capital cost, operating & maintenance costs, and simplicity of operation without compromising performance. Volkert prepared all design documents for the odor control system associated with the equalization tanks. Our services included providing the deliverables in accordance with the Program Manager's Guidelines for Design Engineers. Work efforts were coordinated with CDM in order to insure consistency with the other related odor control work on this project. Volkert continued efforts of coordinating and communicating with both the Task Manager and with the CDM project staff in the Baton Rouge office in order to insure timely and accurate delivery of the required documents at each phase of the project. We participated in the weekly

JANET L. EVANS, PE, MBA

Principal-in-Charge

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.

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.

Principal-in-Charge for Markham-Peachtree Storm Drain Line Improvements for the 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 was 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 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.

Principal-in-Charge for Demo Basins C-7 and C-8, for the New Orleans Sewerage & 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 walkways for future plant maintenance of existing settling basins.

Principal-in-Charge 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.

JONATHAN GAMBINO, PE, PTOE, RSP1 | Project Manager - Operations Manager

Mr. Gambino joined Volkert in 2020 and has 11 years of experience developing civil and traffic engineering plans, specifications, and studies. This includes identifying and adhering to applicable state policies and procedures for project plan development. His experience includes the use of MicroStation, InRoads, AASHTOWare Project, VISSIM, Vistro, Synchro plus SimTraffic, Sidra Intersection, HCS, Tru-Traffic, AutoCAD, ACAD Civil 3D, CORSIM, TEAPAC, and TS/PP Draft programs. He is an ITE PTOE (#4433) and has obtained his ATSSA Flagger certification. LADOTD Traffic Training Complete. Mr. Gambino has TxDOT and the City of Austin experience through the CapEx North Project.

Project Experience

City of Natchitoches Comprehensive Safety Action Plan for Safe Streets for All (SS4A) Program. Mr. Gambino serves as the Project Manager. In this role, he is responsible for providing the project deliverables on time to meet the aggressive schedule set by the client. The goal of the Action Plan is to identify and prioritize a list of specific projects that have the greatest potential to eliminate traffic fatalities and severe injuries, and potential funding sources, so that funding for implementation can be sought over the next several years. Volkert will deliver a plan that meets SS4A requirements and will deliver to Natchitoches an interactive toolkit to prioritize fundable and implementable projects that will improve safety, reduce crashes, fatalities, and serious injuries on Natchitoches' roadways.

Regional Planning Commission SS4A - A Path to Zero for St. John The Baptist, Tangipahoa, And St. Tammany Parishes in Louisiana Safe Streets and Roads For All Discretionary Grant. Mr. Gambino serves as the Project Manager. Volkert was selected by the Regional Planning Commission to provide a Comprehensive Safety Action Plan. In accordance with the Infrastructure Investment and Jobs Act (IIJA) emphasis on reaching zero fatalities on our roadways, the Regional Planning Commission in partnership with the parish governments of St. John the Baptist, St. Tammany, and Tangipahoa Parishes is undertaking the creation of a safety action plan as a part of the Safe Streets and Roads for All Program (SS4A). The action plan will identify through both data and a thorough outreach process behavioral, operational, and infrastructure crash contributing factors. Using RPC's social vulnerability index, equity will help inform every step of action plan development, from contributing factor identification to countermeasure identification and deployment. The proposed countermeasures from the SS4A action plan shall allow the parishes of St. John the Baptist, St. Tammany, and Tangipahoa Parish to pursue SS4A implementation funds and other applicable funding sources to implement the action plan's recommendations. The purpose of the study is to create a plan that will significantly reduce traffic related fatalities and serious injuries within the parishes of St. John the Baptist, St. Tammany, and Tangipahoa. The plan will utilize an analysis of crash data on all roads, equity data, and thorough stakeholder outreach to identify behavior change, policy-based, and infrastructure solutions. The purpose includes the use of proven safety countermeasures, public health modalities, and innovative strategies for future implementation. The completed action plan shall enable the participating parishes and local jurisdictions to pursue available funding sources including the HISP program, SS4A implementation grants, and other eligible funding programs.

I-10 Highland IMR. Mr. Gambino is the project engineer for an Interstate Modification Report (IMR) to analyze the existing roadway network surrounding the LA 42 (Highland Road) interchange at Interstate I-10. The project involved a significant amount of data collection such as 7-day volume and classification counts, a speed study, travel time study, field observations, and a safety/crash study along 5 corridors and 10 intersections. This information will be input into a VISSIM microsimulation model to help identify the best alternatives to improve capacity, increase safety, and reduce delay the interchange at I-10 and LA 42 in both the interim and long-term stages. The model will be calibrated to match existing field conditions and improvements will be modeled to determine which alternative may address the existing congestion. A report summarizing the methodology and findings will be developed and submitted to FHWA to address the required policy points for approval.



EDUCATION:

B.S, Civil Engineering, 2012

REGISTRATIONS:

- LA PE #41496 (Exp: 9/30/2025, Acq: 2017)
- TX PE #140651
- MS PE # 31358 (acq: 2020)
- AR PE #19866 (acq: 2020)
- AL PE #39722 (acq: 2020)
- UT PE #12224893 (acq: 2021)
- PTOE # 4433 (Exp: 03/18/2027, Acq: 2018))
- RSP1 # 587 (Exp: 04/05/2027, Acq: 2022)

TRAINING:

- LA DOTD Traffic Engineer
- Analysis Process & Report Module 1
- LA DOTD Traffic Engineer Analysis Process & Report Module 2
- LA DOTD Traffic Engineer Analysis Process & Report Module 3
- ATSSA Flagger

JONATHAN GAMBINO, PE, PTOE, RSP1

Project Manager - Operations Manager

IMR Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LADOTD.

The interchange of I-10 at LA 42 (Highland Road) has been experiencing capacity issues as well as queuing along Highland Rd. The purpose of the Interchange Modification Report (IMR) is to analyze the existing roadway network and identify the best alternative to improve capacity at I-10 and Highland Road interchange as well as any alternatives to improve Highland Rd. The goal of the project is to minimize queuing on to the interstate. Mr. Gambino was responsible for coordinating a significant amount of data collection such as 7-day volume and classification counts, a speed study, travel time study, and field observations. This information will be input into a VISSIM simulation model and calibrated to match the field conditions. This model will be used to help identify the best alternatives to improve capacity, increase safety, and reduce delay the Interchange at I-10 and LA 42 in both the interim and long-term stages. 07/2021 – Ongoing

Owner Verification Services for College Drive Flyover Ramp (I-10/I-12 West) in East Baton Rouge Parish for the Louisiana Department of Transportation and Development (LADOTD).

Mr. Gambino served as Traffic Engineer for this project that consisted of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Volkert provided all necessary engineering services as part of this Design-Build/Owner Verification project. This included design reviews for bridges, roads, hydraulics, electrical and ROW Acquisition efforts as well as contract administration, scheduling, document control, and construction phase services.

Joe Sevario Road at LA 933 Roundabout, Ascension Parish, LA (sub to SJB Group, LLC for Ascension Parish).

Mr. Gambino is serving as Traffic Engineer for this project. SJB provided civil engineering, survey, SUE services and Volkert provided engineering support including development of a traffic study and geometric layouts for this roundabout to alleviate congestion and delays along this corridor.

Macarthur Interchange Completion Phase II, Jefferson Parish, LA (LADOTD).

Mr. Gambino is serving as Traffic Engineer for this project. This project includes the removal of one off ramp and the addition of another on and off ramp eastbound of the West Bank Expressway in New Orleans. He also has served as the QA/QC manager of the plans and design which have encompassed the review of the constructability of various design and detail options. An example is to recommend drilled shafts instead of driving piles to minimize interference with the ground traffic and problems with the vibration during pile driving and overrun pile pay quantities. The project presents several challenges to its designers given it requires the strategic removal of a portion of the existing bridge made of the prestressed concrete box girders and transitioning to its two new bridge ramps. Working within the existing right of way and managing the movement of traffic during construction is among other requirements and challenges.

Plank Road, East Baton Rouge Parish, LA (Baton Rouge Metropolitan Airport).

Mr. Gambino served as Traffic Engineer for the design of Plank Road (the new alignment). This project relocated Plank Road along a new alignment. The project included ROW acquisition and all the design for a new 4-lane highway with J-turns. It also included ROW acquisition and all the design for additional lanes along Harding and Hooper Roads. It also included a new lighting system and new signalized intersection. This project was an Airport project, funded by FAA, but the road was transferred to LADOTD.



ASHLEY BECKENDORF, PE | Project Manager

Ms. Beckendorf has 16 years of design and engineering experience and expertise in delivering complex drainage, roadway, open space, and other capital projects for government clients. Over her career she has specialized in roadway engineering, sewer infrastructure design and drainage design. For the past eight plus years, she has managed and assisted with managing several projects of complex nature and succeeded in keeping on schedule and maintaining great project outcomes. She has managed every aspect of projects including geotechnical engineering, surveying & mapping, environmental studies and permitting, subsurface utility engineering, utility coordination, lighting, traffic studies and design, Right-of-Way Acquisition, drainage, and roadway design. She is very familiar with SewerCAD and SewerGEMS.

Project Experience

Sewer Modeling, City of Gonzales, LA. As Project Manager and lead engineer, Ms. Beckendorf was/is responsible for managing and engineering for the City of Gonzales sewer modeling and Asset management. Volkert has been charged with nine different tasks to assist the City of Gonzales with input and analysis of their sewer model. Tasks 1 thru 8 included analyzing different developments to determine their impacts on the City's sewer infrastructure and to suggest enhancements to the system if necessary. Task 9 is the implementation of SCADA systems for over 15 pump stations and then to calibrate the model using the data received and other data determined to be needed for calibration.

Demo Basins C-7 and C-8, for the New Orleans Sewerage & Water Board. As a project engineer, she helped develop plans for the upgraded Pump Station and aboveground piping from the basins. 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 walkways for future plant maintenance of existing settling basins.

Almonaster Avenue Bridge over the Inner Harbor Navigational Canal, 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, 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.

West Feliciana Hospital Expansion, St. Francisville, LA. Volkert is providing civil engineering services for the hospital expansion including site paving, drainage, non-electrical utilities, and sanitary sewer for the entire site. Ms. Beckendorf was responsible for design of all the utilities on the site. She was responsible for the location, size, depth and direction of flow of sanitary sewers on the property and the tie-in locations for flow from the property and the building; this includes location of manholes and inverts of pipe at each.

St. Landry – Edenborne Connector, Ascension Parish, LA. As Project Engineer, Ms. Beckendorf provided roadway engineering for a proposed five-lane roadway, approximately 1 mile in length. The scope of her work included plans, specifications, quantities, and cost estimating with plan elements such as typical sections, plan and

EDUCATION:

B.S., Civil Engineering, 2008

REGISTRATIONS:

Professional Engineer:

- LA PE #37334

TRAINING:

- FHWA-NHI-142005 NEPA and the Transportation Decision-making Process
- Traffic Engineering Analysis
- Process & Report -Module 2
- Traffic Engineering Analysis
- Process & Report -Module 3

ASHLEY BECKENDORF, PE

Project Manager

profiles, geometrics, grading, striping and signing, traffic control, and cross sections. Also, included in this work was a sewer design. For the sewer work, she designed gravity and force main lines and developed a site layout for the pump station. She assisted and reviewed the design of the pump station details and the drainage design. The project consisted of providing an environmental impact study, right away analysis, full roadway and utility design, and bid services. Volkert is responsible for the initial preliminary information submittal through the 100% final design plan submittal.

West Power Complex and Other Site Improvements at the Carrollton Water Treatment Plant, New Orleans LA. Volkert is part of the design team responsible for planning and coordination services for the design development of the West Power Complex (WPC) at the Carrollton Water Plant. Ms. Beckendorf serves as lead Project Engineer for the project. Her roles include leading the design efforts for the site development. She has also completed the drainage analysis that consists of the existing chamber detention centers designed from the previous C-7 and C-8 project and incorporated the site development and grading into a new drainage design that incorporates a new drainage outfall from the facilities. The WPC consists of new substation, operations building, and gas turbine equipment and auxiliaries. Volkert civil design responsibilities include site sustainability components such as integrating the existing stormwater detention with a new proposed outfall location for the site drainage. The proposed outfall will integrate into the existing two detention beds and provide an overflow relief in the event of a 500-year rainstorm. The team was also responsible for the site grading and geometric layout of the internal roadways across the site. The site grading included two access ramps, one for normal site access and another for emergency use. The ramps will require local grading/sloping as well as a retaining wall.

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 (LADOTD), c/o GEC, Inc. Ms. Beckendorf served as a Project Engineer for this project assisting in drainage and roadway design.



RYAN ORDENEAUX, PE | Project Engineer

Mr. Ordeneaux has engineered a variety of projects over his 22-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 and also has project management and inspection experience. .

Project Experience

West Power Complex and Other Site Improvements at the Carrollton Water

Treatment Plant; New Orleans LA. Volkert is part of the design team responsible for planning and coordination services for the design development of the West Power Complex (WPC) at the Carrollton Water Plant. Mr. Ordeaneaux serves as lead Project Engineer for the project. His roles include leading the design efforts for the site development. He has also completed the drainage analysis that consists of the existing chamber detention centers designed from the previous C-7 and C-8 project and incorporated the site development and grading into a new drainage design that incorporates a new drainage outfall from the facilities. The WPC consists of new substation, operations building, and gas turbine equipment and auxiliaries. Volkert civil design responsibilities include site sustainability components such as integrating the existing stormwater detention with a new proposed outfall location for the site drainage. The proposed outfall will integrate into the existing two detention beds and provide an overflow relief in the event of a 500-year rainstorm. The team was also responsible for the site grading and geometric layout of the internal roadways across the site. The site grading included two access ramps, one for normal site access and another for emergency use. The ramps will require local grading/sloping as well as a retaining wall.

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. Mr. Ordeneaux was involved with the creation of construction sequencing for the project and the design of new subsurface drainage system. The new drainage system will have 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 that the completed design met all required design criteria.

Montz Drainage Improvements Project and the Evangeline Road at CN Railroad Box Culvert Projects, St. Charles Parish, LA, Mr. Ordeneaux served as Project Manager for this project to improve the drainage in Montz, LA per the Montz Drainage Improvement plan. The Montz Drainage Improvements Project includes the design for jack and bore steel pipes under KCS railroad and the design of a canal or alternative way to convey stormwater to the nearby pumpstation. The Evangeline Road/CN Railroad Project includes the design for box culverts under Evangeline Road at the CN Railroad crossing located within the railroad ROW. Mr. Ordeneaux coordinated with the Master Drainage Plan designer, surveying, and geotechnical engineering for the projects and is overseeing the design, permitting, and construction administration for the proposed drainage improvements as per the drainage plan.

Plank Road, East Baton Rouge Parish, LA, Baton Rouge Metropolitan Airport. Mr. Ordeneaux served as Lead Project Engineer for this is project to relocate Plank Road along a new alignment. The project includes the design for a new 4 lane highway with J-turns. It also includes the design for additional lanes including sidewalks and widening lanes for complete street design along Harding and Hooper Road. Mr. Ordeneaux assisted in coordination with the survey, geotechnical engineering, and SUE services for this project. Volkert is providing design, environmental permitting, and ROW acquisition for the relocation of Plank Road on a new alignment. This project is a Baton Rouge Metropolitan Airport project, funded by FAA, but the road will be transferred to LA DOTD. Volkert is also providing coordination between subconsultants, the airport, FAA, and LADOTD.

EDUCATION:

B.S., Civil Engineering, 2003

REGISTRATIONS:

Professional Engineer:

- LA PE #39476

TRAINING:

- Traffic Control Technician
- Traffic Control Supervisor

RYAN ORDENEUX, PE

Project Engineer

Filmore South (Group B), Filmore South (Group C) and Filmore North (Group D) for the City of New Orleans Department of Public Works in New Orleans, Louisiana. The city created the Capital Improvement Program to restore over 400 miles of roads and infrastructure and includes Filmore North area and Filmore South area streets for various type of improvement including full reconstruction, concrete panel replacement, patch/mill/overlay (Resurfacing of asphalt streets) and sidewalk repairs. Volkert's responsibilities include providing survey, preliminary and final design services and construction phase services for Filmore South Group A, Filmore South Group B, Filmore South Group C and for Filmore North Group D. Mr. Ordeneaux served as Project Manager for the construction phase services for Filmore South Group A & Filmore South Group B, and Project Manager for final design services for Filmore South Group C and Filmore North Group D.

- **Project Manager Filmore South (Group A-RR042) for the City of New Orleans Department of Public Works in New Orleans, Louisiana.** Project Manager for the construction services and project closeout. Construction is completed on approximately 33,000 linear feet of street corridor improvements including incidental repairs, concrete panel replacement, patch/mill/overlay, and nonpaying incidentals on sections of 28 local streets. Volkert was also responsible for the Resident Inspection for Filmore South Group A." Mr. Ordeneaux served as Project Manager for the construction services and project closeout.
- **Project Manager for Filmore South (Group B-RR043) for the City of New Orleans Department of Public Works in New Orleans, Louisiana** – Construction has completed 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. Mr. Ordeneaux served as Project Manager for the construction phase and project closeout and oversaw plan revisions that were required due to adjacent project tie-ins.
- **Project Manager for Filmore South (Group C-RR044) for the City of New Orleans Department of Public Works in New Orleans, Louisiana** – Design completed and we are entering the bidding phase for the project and it will consist of approximately 5,400 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.
- **Project Manager for Filmore North (Group D-RR040) for the City of New Orleans Department of Public Works in New Orleans, Louisiana** – Design is nearing completion and will consist of over 5,000 linear feet full pavement replacement of several local streets including Mithra St., Crescent Dr., Chamberlain Dr and Pratt Dr. 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.



CLINTON PATRICK, PE, PLS | Project Engineer

Mr. Patrick has 10 years' experience. His skills include Team & Project Management, Relationship Building, Critical Analysis, Strategic Planning, Delegation, Budgeting, HEC-RAS, Autodesk Storm & Sanitary Sewer Analysis, MicroStation, AutoCAD Civil 3D. His certifications include: Class IV Wastewater Operator (Treatment & Collection).

Project Experience

Bossier Parish Police Jury - Proposed Wastewater Treatment Facility. This project included the construction of a 3 MGD wastewater treatment facility for the Bossier Parish Police Jury including headworks structure, clarifiers, digesters, CSR, lift stations, disinfection facility, effluent force main, etc. The project also included the design of a sewer lift station and approximately 1.2 miles of force main. Property management and allocation along with ensuring Department of Environmental Quality and Department of Health guidelines were followed for the newly constructed treatment facility and associated lift station.

City of Monroe - Georgia Street Pump Station. Design of a flood pumping station for the City of Monroe to address an area that was identified as a repetitive loss area. The project needed to meet key guidelines to facilitate Louisiana Statewide Flood Control funding while ensuring that the pump station would operate during events of power loss. The project included the pumping station, retention pond for additional flood storage and a backup generator to ensure that the pumping station would be operational during storm events.

I-20 Economic Board - Nutland Road to Lowes I-20 Frontage Road. Part of the design team for a frontage road along I-20 on the southern side connecting the existing Nutland Road to its termination near Garrett Road on the eastern end of the project. The project included road and drainage structures that required the installation of box culverts to cross major drainage structures in the area. The project also required the expansion of the City's water and sewer system. A new water main along with a new gravity sewer main and sewer lift station were required to service the future development along the newly constructed Frontage Road.

Prior to joining Volkert:

City of Bossier - Walter O. Bigsby Carriageway - Phase II. Member of the project management team that oversaw the design and construction of a 5-lane bypass for the City of Bossier. The project included multiple roundabouts, signal improvements, drainage structures and a superelevated bridge for an above grade railroad crossing. Project management included overseeing the design team for permitting requirements, contract scheduling, design requirements and project funding. Project included a drainage pump station to capture all of the proposed runoff from the project and pump directly to the Red River due to the capacity limitations of the existing DOTD drainage structures along Louisiana Highway 3.

City of Bossier - Airline Drive Rehabilitation. Lead the design team to rehab a portion of an old section of Louisiana Highway 3105 that is now currently a part of the City's street system. The 5-lane section of roadway was deteriorating and in need of rehabilitation. The project included a mill and overlay section with selective pavement patches to address underlying base failures that had occurred over the lifespan of the roadway. The project also included upgrading an existing traffic signal to a flashing yellow operation with upgraded pedestrian signal heads to coordinate within the traffic signal cabinet.

EDUCATION:

B.S., Civil Engineering, 2012

REGISTRATIONS:

Professional Engineer:

- LA PE #40919

TRAINING:

Louisiana Engineering Society
– Secretary/Treasurer –
2023-2024

Louisiana Engineering Society
– State Director – 2021-2023

Louisiana Engineering Society
– Monroe Chapter President –
2018-2019 & 2020-2021



RAY MILLER, PE | QA/QC Manager

Mr. Miller has 47 years of professional experience in municipal water and wastewater system design including 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; and structuring annual maintenance contracts.

Project Experience

Interceptor Improvements to Lift Station No. 3, Tuscaloosa, AL, City of Tuscaloosa.

Project Manager. The City of Tuscaloosa's existing major lift station is more than 60 years old and conveys over half of the wastewater generated in the service area. Mr. Miller led this design project including concept development/evaluation to determine the recommended upgrades. Subsequent design phase services included upgrade of the electrical and controls systems and upgrade of the pump station to operate in a 2+1 arrangement to provide some operational redundancy and reliability. The capacity of the pump station is 15 MGD with the upgrade taking the firm capacity to 20 MGD.

Monroe Street Lift Station Renovations, Daphne, AL, Daphne Utilities. Principal-in-Charge. The Monroe Street lift station had reached its useful life and was scheduled for major renovations. Since the initial installation of the lift station, a business had been constructed on the adjacent property requiring the pump station be relocated. Mr. Miller led the design of the lift station following a review of the incoming sewer system. The station was designed as a dual pump 10-HP station with SCADA in accordance with the Owner's standard specifications.

Pump Station Improvements on Water Street, Mobile, AL, MAWSS. Project Manager This project includes installation of an owner furnished engine driven suction lift pump at the existing Water Street Pump Station. The project also includes all site work, foundations, fence work, piping, electrical, instrumentation, and incidentals necessary to install and place into service the engine driven pump. Volkert also provided construction phase services.

Headworks Renovations at Daphne WRF, Daphne, AL, Daphne Utilities. Project Engineer Mr. Miller was responsible for mechanical and process engineering design efforts associated with the complete replacement of the plant headworks system. The plant is rated for more than 4MGD and the project scope included new screening and fine filter screening equipment along with a new lift station for the D'Olive portion of the treatment plant. The new lift station included a new wet well and three VFD driven pumps along with associated piping and controls work.

Airport Boulevard Booster Pump Station in Mobile, Alabama, for the Mobile Area Water and Sewer System. Volkert was responsible for the design for the installation of a new 2,350 gallons-per-minute (upgradeable to a capacity of 3,200-gallons-per-minute) water booster station near the Airport Boulevard and Snow Road intersection. The project will involve the construction of a 1,200 square-foot pump station building, emergency generator, and four booster pumps that will provide a reliable supply of water to the service area west of Snow Road, in the vicinity of Airport Boulevard. The project included the integration of a variable frequency-drive pump control scheme that will allow the pumps to function properly now and, in the future, when a new high-pressure system water storage tank is installed. The project also included an emergency back-up generator and building construction. Process design responsibilities included the hydraulic analysis of the existing water distribution network and the process and instrumentation control systems design.

Mobile Infirmity Lift Station project for the Mobile Area Water and Sewer System in Mobile, Alabama. Mr. Miller served as the project manager for this project that was part of an overall effort to reduce sanitary sewer overflows (SSOs) in the Conti and Demouy St area. This project included installation of a new lift station with a 1 MGD peak capacity. This new lift station was constructed along the bank of Three Mile Creek and required extensive coordination with the City of Mobile and other permitting agencies due to its location within the floodway of Three Mile Creek. The project required extensive coordination with the City in order to comply with all applicable FEMA requirements. The project included a new force main that crosses Three Mile Creek (directionally drilled) to connect to an existing trunk sewer. One unique aspect of this

EDUCATION:

MS, Business Administration,
1999

B.S., Mechanical Engineering,
1991

REGISTRATIONS:

Professional Engineer:

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

AFFILIATIONS/AWARDS:

- American Society of Mechanical Engineers (ASME) (Treasurer, Secretary, Vice Chairman, and Chairman)
- Water Environment Federation (WEF) (Member)
- Alabama Water Environment Association (AWEA) (Member)
- American Water Works Association (AWWA) (Member)
- Mobile Area Council of Engineers (MACE) (Chairman)
- Engineer of the Year, Mobile Area Council of Engineers (MACE), 2017

RAY MILLER, PE

QA/QC Manager

project included utilizing the emergency power system from the hospital as the backup power supply to the lift station.

Eslava Creek Severe Weather Attenuation Tank (SWAT) Project for the Mobile Area Water and Sewer System in Mobile, Alabama. Mr. Miller served as the project manager for this project which was performed in three separate phases to facilitate a timely schedule and achieve cost savings for the Owner. The purpose of the project was to collect and store wastewater during severe weather events that exceeded existing pump station capacity. Prior to receiving bids for any of the phases, the site was permitted through the City's subdivision and Planned Unit Development process to allow the project to proceed. The first phase included site preparation for the 8.0 million gallon tank. The second phase included the construction of the 8 million gallon prestressed concrete tank. The third phase included the pump station and associated equipment. The pump station was designed to allow for up to 10 MGD to be pulled off of the primary collection system for side stream storage for post peak processing. The project included connecting the new wet well to the existing wet well without interrupting operations and all of the associated controls. All of the elements of the project were integrated with the existing structures, electrical, and controls systems. Odor control was also provided for the pump station and tank.

Low-Pressure Force Main Design, Hillsboro, VA, Town of Hillsboro, VA. Project Manager. Mr. Miller was responsible for the creation and development of a model that represented the 2,600 feet of proposed low-pressure force main. The design criteria required 300 gpd and SewerCAD was used as the modeling software. Several scenarios were modeled analyzing different number of users connecting to the system. The results from these scenarios helped create the maintenance and operations manual for the force main system. Mr. Miller also assisted with establishing the performance criteria and selection of the small packaged lift stations.

Perch Creek Pump Station Renovation and Force Main Reroute, Phase C, Mobile, AL. Mobile Area Water and Sewer System (MAWSS). Project Manager. Mr. Miller was responsible for the construction plans and specifications for all the equipment and piping upgrades, and coordinating all disciplines on this phase of the project. Phase C scope included upgrading the pumps to 250 HP, installing a backup diesel engine driven pump, upgrading the emergency generator, and adding a new modular power center. The project involved installing approximately five miles of 20-inch sanitary sewer force main. The project also included rerouting the force main from the Ziebach Wastewater Treatment Plant pump station to the Perch Creek Pump Station, which included sliplining the existing 16-inch force main with a 6-inch force main.

Backup Pumps for Various Lift Stations, Mobile, MAWSS. Project Manager. Mr. Miller was responsible for the site plans, permitting, equipment selection and specifications, and construction plans and specification development for the project. The project involved several phases with Phase II including eight project sites and Phase III including 15 sites. Several sites included skid mounted back up units with natural gas engines or diesel engines. The types of enclosures varied based on the specific site location which allowed the Owner to relocate a unit before an impending storm event.

Johnson Road Water Booster Station, Mobile, AL, MAWSS. Project Manager. Led assisting the Owner with purchase of a duplex water booster pump skid assembly, precast building, and SCADA system. Volkert also provided the design engineering services for the installation of the Owner furnished equipment and the tie-ins to the water distribution system.



MELINDA IMMEL, PE | Project Engineer

Ms. Immel has over 29 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 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 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 for the Master contract for general engineering services in Mobile, Alabama, for the Mobile Area Water and Sewer System. Volkert provided design and permitting for the extension of an existing architectural fence around the Board of Water and Sewer's field services site.

Project Manager to provide construction engineering inspection and design services for manhole stabilization at Erhard Drive and Canebrake Subdivision in Mobile, Alabama for the Mobile Area Water and Sewer System (MAWSS). The project consisted of verification of existing right-of-way easements to verify that they are sufficient for recommended stabilizations, obtaining easement documentation from MAWSS as required by NRCS, identification of all required permits, coordination measures for NRCS requirements, preparation of contract documentation, preparation and submittal of bid tabulation, facilitation of contract and pre-construction conferences, preparation of construction inspection services, and scheduling final inspections for NRCS Field representative. Volkert was responsible for determining all required permits by the City of Mobile, obtaining easements that may be required to accomplish the project, coordinating with USDA NRCS programs, and evaluating the manhole located in Canebrake Subdivision area for point repairs.

Project Manager for the preparation and implementation of a Discharge Information Zone (DIZ) Characterization for the City of Saraland, Alabama. Since 2000, Volkert has performed all services required for NPDES permit compliance in three cities in Mobile County, Alabama. Volkert has been responsible for preparing the sampling plans, coordinating with the Alabama Department of Environmental Management, implementing the sampling plans, and preparing Annual Reports. Sampling protocols were negotiated with ADEM to provide information concerning major outfalls in each city as well as other designated outfalls. Sampling included both wet and dry weather conditions. Through ADEM coordination, the required sampling parameters were determined for each locality. Parameters sampled include color, pH, phenols,

EDUCATION:

B.S., Civil Engineering, 1995

REGISTRATIONS:

Professional Engineer:

- AL PE #24706
- TN PE #116008
- MS PE #18931

AFFILIATIONS:

- American Society of Civil Engineers
- Water Environment Federation
- Alabama's Water Environment Association

Project Engineer

odor, chlorine, copper, detergents, oil and grease, BOD5, COD, TSS, TDS, N, TKN, and phosphorus. Volkert has also provided services for estimating the extent of the drainage area for each of the designated outfalls. Additional services provided to the City of Saraland have included calculating the annual and seasonal pollutant loading from the monitoring stations sampled and preparing the fourth-year annual report. Sampling locations have been determined each year through negotiations with ADEM and coordination with the clients. All sampling and reporting followed permit-specific protocols.

Project Manager for utility relocation on US 90 in Mobile, Alabama for MAWSS. The project consisted of the relocation of various sewer appurtenances associated with the service road construction on the east side of US 90 near Larue Steiner. Volkert was responsible for developing plans and specs for the necessary relocation of existing utilities to accommodate the construction of an ALDOT-proposed service road on the east side of US 90. Volkert provided research of the area to determine what facilities would need to be relocated; coordinated utility agreements with the Mobile Area Water and Sewer System Project Manager and ALDOT; provided plans and specifications to ALDOT for inclusion into bid documents; and performed CEI services in accordance with the ALDOT Utility - Consultant Engineering Agreement. The project required that Volkert field-locate existing water and sewer mains in order to further evaluate the presence of potential conflicts with proposed drainage improvements.

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.

Project Manager for the utility relocation of US 90 by Larue Steiner in Mobile, Alabama, for the Mobile Area Water and Sewer System. The project consisted of the relocation of various water and sewer appurtenances associated with the service road construction on the east side of US 90 near Larue Steiner. Volkert was responsible for developing plans and specs for the relocation of existing utilities necessary to accommodate the service road construction on the east side of US 90 near Larue Steiner Road proposed by ALDOT. Volkert will research the area to determine what facilities need to be relocated; coordinate utility agreements with the Mobile Area Water and Sewer System Project Manager and ALDOT; provide plans and specs to ALDOT for inclusion into bid documents; and perform CEI services in accordance with ALDOT Utility - Consultant Engineering Agreement. The project required Volkert to locate existing water and sewer mains in the field to further evaluate if a conflict exists with the proposed drainage improvements.



MELISSA O'SULLIVAN, PE | Project Engineer

Ms. O'Sullivan has been with Volkert since 1997 and has over 29 years of experience. She is responsible for the design of civil and utility engineering projects for various municipalities and utility boards. Prior to joining Volkert, Ms. O'Sullivan was an employee with Jefferson County Environmental Services and was responsible for project management review of sanitary sewer construction and rehabilitation projects.

Project Experience

Project Manger for Fairhope Water Resource Recovery Facility (WRRF) for the City of Fairhope, AL. 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. The existing headworks and clarifiers both received all new equipment. The existing aeration basin was modified and a new VertiCel reactor was constructed to assist the facility with reducing nutrients while accommodate the increase to biological loadings the facility had experienced. The existing digester structure was rehabilitated and new equipment installed to provide improved digestion at the facility and enhance the current Class A Biosolids contract.

Project Manager for the 15" sanitary sewer repairs west of Creekside Apartments in Mobile, Alabama, for the Mobile Area Water and Sewer System. Repair to an existing 15" sanitary sewer main along the eastern bank of Three Mile Creek, west of Creekside Apartments on Ziegler Boulevard. The damaged segment of the pipe was originally installed in 1958. The Board of Water and Sewer Commissioners of the City of Mobile, Alabama (Board) is planning to replace approximately 650 – feet of existing 15" clay sanitary sewer main with 800 – feet of 16" ductile iron sanitary sewer main. Two manholes will be replaced and one new manhole will be installed. Riprap will also be used in several areas to prevent further erosion to the creek bank near the manholes and sewer main. The work will be performed in both existing easements and newly acquired easements on private property. The wetland will be restored to its original contour following the installation of the pipe. Volkert is responsible for the designing, developing specifications, preparing easements, coordinating acquisition of easements and permits, performing bidding services, and construction inspection.

Project Manager for the renewal of the annual contract for small directional drills and jack and bores in Mobile, Alabama, for the Mobile Area Water and Sewer Service. The existing contract for roadway bores expired in October 2003 requiring a new contract let for bid to ensure MAWSS has the resources available to perform Roadway Bores for water and sewer piping on an as needed basis. Volkert was responsible for preparing contract documents and specifications for contractor bid packages, issuing draft specifications and contract documents to the MAWSS project manager and conducting the 90% review meeting. Volkert also finalized the contract documents and specifications to incorporate changes made during the 90% review. Volkert issued bid packages, conducted pre-bid meetings, verified with the Alabama General Contractors Licensing Board that all contractors submitting a bid had proper licenses, prepared and submitted bid tabulations, issued recommendations for award of contract and provided a work order form listing contract pay items to MAWSS.

Project Manager for the annual contract for manhole rehabilitation, urethane/epoxy, cementitious, and Permaform/polytriplex in Mobile, Alabama, for the Mobile Area Water and Sewer System. Annual contract to develop specifications, provide bidding services, develop work order forms for MAWSS use, review qualification verification pkgs., prepare contracts, and schedule & conduct pre-construction conferences. This service provides the board with a means to perform rehabilitation of existing sanitary sewer manholes using cementitious or urethane/epoxy-based products on an as-needed for a period of up to 1 year.

Project Engineer for the Saraland sewer capacity analysis for the City of Saraland. Volkert was responsible for performing a capacity analysis of the Saraland Wastewater

EDUCATION:

B.S., Civil Engineering, 1995

REGISTRATIONS:

Professional Engineer:

- MS PE #18940
- FL PE #61463
- AL PE #23400

CERTIFICATIONS:

- #CIPP-612-0772 certification, ITCP NASSCO
- Evolution of Municipal Separate Storm Sewer System (MS4) Permit and Program Requirements
- PACP, MACP, LACP NASSCO Certification

MELISSA O'SULLIVAN, PE

Project Engineer

system and providing alternatives to prevent Sanitary Sewer Overflow. The project also involves flow monitoring by DWC Technologies, development of a hydraulic model, updating the system mapping and updating the lift station inventory.

Project Engineer for the annual contract for manhole rehabilitation for the Mobile Area Water and Sewer System in Mobile, Alabama. Volkert was responsible for the development of specifications for epoxy/urethane manhole rehabilitation, evaluation of proposed manhole rehabilitation systems to ensure the quality of the product, proper installation procedures, and other associated items on an as-needed basis for a period of up to one year.

Project Manager for the National Pollutant Discharge Elimination System (NPDES) Stormwater Permit Year 2 for the City of Satsuma. Volkert performed testing and preparation of the report required by ADEM to meet deadline. A National Pollutant Discharge Elimination System (NPDES) stormwater permit application was completed which consisted of developing a Best Management Practices (BMP) plan, which outlined appropriate soil and sediment erosion control and takes into account current erosion control practices. The project was under strict time constraints with the project starting in August and completing in September of 2005.

Project Engineer for the Mobile Area Water and Sewer System (MAWSS) in Mobile, Alabama. The project included identifying surface drains that discharge into the MAWSS's sanitary sewer collection system. Volkert developed a plan to identify all of the surface drain in the Mobile Area Water and Sewer System, provided a fee schedule associated with the infiltration/inflow contribution of the surface drain, and devised a plan to apply a fee to the surface drains identified.

Project Manager for the Master contract for general engineering services, Mobile, Alabama, for the Mobile Area Water and Sewer Service. The contract is for general engineering services that included numerous tasks related to water & sewer facility improvements, including rehabilitating existing facilities and constructing new ones, performing a vulnerability assessment, etc. It included street repairs, Phases I, II and III, which involved approximately 50 sites that were previously patched when MAWSS completed utility work. The contract ran from 2001 to 2004. Volkert was the senior consulting engineer for the Board of Water and Sewer Commissioners of the City of Mobile, Alabama (Board). Volkert has been a consulting engineer for the Board since the early 1950s and provides all of the following services under our contract: Basic Design Services; Studies, Reports, Special Professional Services; Construction Phase Services; Easements (surveying and providing easement descriptions. Engineering services are generally for construction additions and improvements to the Board's domestic water system, industrial water system, and sewer system, including treatment facilities. Volkert also prepares studies and reports to assist in determining expansion and operating policies, to determine feasibility of various proposed improvements, and to obtain Federal and State grants. In the past three years Volkert has provided engineering services for construction contracts exceeding \$35,000,000. Under this contract, Volkert was responsible for cleaning and internal video taping the existing 42", 48", and 54" sanitary sewer mains along Three Mile Creek between the Levert Street Lift Station and the Smith Wastewater Treatment Facility.

Project Manager for the master contract for general engineering services in Mobile, Alabama, for the Board of Water & Sewer Commissioners. The project involved sanitary sewer investigation and repair between McGough and Pickell Roads. Volkert prepared the design for repairs to sanitary sewer lines between McGough and Pickell Roads. The scopes of services included survey of the rim and invert elevation to determine the existing grade; evaluate the possible construction options to correct the problems and meet with MAWSS staff to determine the best option. Survey manhole rim and inverts using the datum from the GIS data obtained by MAWSS.



THOMAS BRYMER, PE | Project Engineer

Mr. Brymer joined Volkert in 2019 and has over 11 years of engineering and construction experience. He is experienced in project and construction management; planning/master plan development; and design of water distribution systems, wastewater collection and conveyance systems, and various water and wastewater treatment processes and infrastructure. He also has experience in permitting, bid and award, and construction phase services.

Project Experience

Interceptor Improvements to Lift Station No. 21, for the City of Tuscaloosa, AL.

Project Engineer. Responsibilities: Mr. Brymer served as the lead on the evaluations/assessments and was responsible for the piping and mechanical aspects of the project. **Project Description:** 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 included 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 confined spaces. The scope of this project was to evaluate the existing capacity of Lift Station No. 21, to determine additional capacity requirements for current and future demands, to perform conditional and operational assessments, to provide improvement recommendations, and to provide final design, bid, and construction-phase services. Volkert was responsible for concept development for upgrade of an existing lift station, including design of an equalization tank to manage peak flow scenarios. Volkert also provided capacity evaluation and analyses, developing final report, performing mechanical design, and assisting with bid and construction-phase services.

Sanitary Sewer Collection System Master Plan, Saraland Water & Sewer Service.

Project Manager. Responsibilities: Mr. Brymer conducted an evaluation of the sewer system and developed a report with cost estimates for recommended long and short term improvements to make the system more efficient. **Project Description:** Volkert performed system assessments of each lift station in the system and also coordinated with a flow monitoring company to perform a sanitary sewer system flow study. The lift station assessments included evaluations of the structural, mechanical, and electrical/controls elements of each lift station. Each assessment included condition assessments, recommendations for improvements, and cost estimates. The lift stations were then prioritized based on their condition and criticality. The flow monitoring study was used to prioritize Infiltration/inflow rehabilitation recommendations for each basin. Criteria were developed in order to rank and prioritize the needed improvements in each basin in order to achieve needed I/I reduction to help reduce storm water loading going to the wastewater treatment plant. These recommendations and cost estimates were presented in a format that can be used to develop short term and long-term project plans to reduce I/I and the resulting increased flow rates to the WWTP.

Magnolia Grove Lift Station and Force Main Upgrades for MAWSS.

Project Engineer. Responsibilities: Mr. Brymer was responsible for the development of construction plans associated with the new lift station. **Project Description:** Volkert provided engineering design for a new lift station and a 4" force main crossing at the Magnolia Grove Golf Course. The project replaces the existing gravity sewer that crosses the Magnolia Grove golf course, due to maintenance issues, with a new lift station and small diameter force main. The project also includes storm water upgrades.

Whiting Aviation Park Phase I, Santa Rosa County, FL.

Project Engineer. Responsibilities: Mr. Brymer was responsible for piping and mechanical design for this project. **Project Description:** This project included the conceptual and final design; development of technical specifications; and permitting, bid and award, and construction phase services for the new installation of approximately 7,000 LF of gravity sewer; 1,500 LF of sewer force main; 17,000 LF of water main; two water booster stations; two aboveground water storage tanks; and one sewer lift station to support an industrial development adjacent to NAS Whiting Field.

EDUCATION:

MS, Systems Engineering, Kennesaw State University, 2018

BS, Civil Engineering, University of South Alabama, 2016

AS, Arts/Pre-Engineering, MS Gulf Coast Community College, 2013

REGISTRATIONS:

Professional Engineer:

- LA PE #45901
- AL PE #39287
- FL PE #90078
- GA PE # 46307

TRAINING:

- NASSCO PACP, MACP, LACP #U-0118-070300242
- ACI Concrete Field Testing Technician-Grade I #01349554

THOMAS BRYMER, PE

Project Engineer

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.

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.



TREY PECORARO, EI | Engineer Intern

Mr. Pecoraro serves as an Engineering Intern for Volkert's New Orleans practice and has 2 years of experience in both construction and design for several projects in Louisiana including: bridge construction, in-service bridge inspection, roadway construction, retaining wall construction, traffic studies/ analyses, and safe street action plans. His responsibilities have included: project management, construction engineering and inspection, traffic count analysis, crash data analysis, quality control, and bridge inspection.

Project Experience

North Pontchartrain at US 190 Traffic Analysis (St. Tammany Parish, LA). Mr. Pecoraro served as an Engineering Intern tasked to provide traffic count analysis, crash data analysis, and made improvement recommendations for the project intersection under the supervision of a Professional Traffic Operations Engineer (PTOE). The traffic analysis was performed to analyze the Level of Service (LOS) and safety operation and offer recommendations to improve traffic operations and safety at the intersection now and into the future.

Military Road/Brownsitch Road Traffic Impact Analysis (St. Tammany Parish, LA). Mr. Pecoraro serves as an Engineering Intern tasked to provide traffic count analysis, crash data analysis, and make improvement recommendations for the project segment (Military Road between Crawford Landing and Brownsitch road, 4 intersections in the segment) under the supervision of a Professional Traffic Operations Engineer (PTOE) due to the construction of a large single-family home subdivision. The traffic analysis was performed to analyze the Level of Service (LOS) and safety operations of the segment and to offer recommendations to improve traffic operations and safety operations in the area now and into the future.

City of Natchitoches Safe Streets for All (SS4A) Safety Action Plan (Natchitoches, LA). Mr. Pecoraro serves as an Engineering Intern tasked to provide crash data analysis and to make project recommendations based on crash analysis results and existing conditions under the supervision of a Professional Traffic Operation Engineer (PTOE) for the Natchitoches SS4A project. The goal of the project is to significantly reduce or eliminate traffic fatalities and severe injury crashes in the city of Natchitoches.

New Orleans Regional Planning Commission (NORPC) Safe Streets for All (SS4A) Safety Action Plan. Mr. Pecoraro serves as an Engineering Intern tasked to provide project management and coordination assistance as well as review of all documents submitted by subconsultants including crash data analysis, equity analysis, and project recommendations. The goal of the NORPC SS4A project is to significantly reduce or eliminate traffic fatalities and severe injury crashes in St. John the Baptist Parish, Tangipahoa Parish, and St. Tammany Parish.

Prior to Joining Volkert

I-10/12 College Drive Flyover Design-Build (Baton Rouge, LA). At a previous firm, Mr. Pecoraro served as the assistant quality control manager tasked to provide construction observation to ensure the bridge was built in accordance with the plans and specifications. His responsibilities, while in this position at Hardesty and Hanover, included inspection coordination, material testing and tracking, weekly quality control project updates, and aiding in writing non-conformance reports (NCRs). The new bridge and realignment of I-12 will increase driver safety in the corridor.

Louisiana and Mississippi Bridge Inspection Services. At a previous firm, Mr. Pecoraro provided bridge inspection services on several in-service, movable bridges in Louisiana and Mississippi. Mr. Pecoraro's objective during these inspections was to identify structural deficiencies in the superstructure and substructure of the bridge, identify safety concerns, and to report them back in a timely manner to the respective Department of Transport. His responsibilities included operation of an Under Bridge Inspection Vehicle (UBIV) or manlift, photo documentation of deficiencies, field notes of identified deficiencies, and the writing of a formal report for submittal.

EDUCATION:

B.S., Civil Engineering, 2017

REGISTRATIONS:

- LA EI #35212

TRAINING:

- ATSSA Traffic Control Supervisor, 2022
- National Highway Institute Course 130055 (Safety Inspection of In-Service Bridges), 2023



LUTFI SALEH | Engineer Technician

Mr. Saleh joined Volkert in 2024. Mr. Saleh is highly motivated to gain experience and knowledge about all aspects of the engineering field. Capable of working independently with multiple tasks and committed to providing high quality service to every project with focus on roadway/drainage design. Mr. Saleh is pursuing experience to obtain a professional engineer license. He has trained personnel in the use of Design Programs such as: AutoCAD, Civil 3D, GeoPak MicroStation, OpenRoads Designer, Bluebeam, and Microsoft Excel.

Project Experience

LA 73 AT LA 74 Roundabout, Ascension Parish, LA. Engineer Technician. The Ascension Parish Government is seeking to build several roundabouts throughout the parish and has chosen Volkert to study and design a roundabout that will replace the signalized intersection at LA 73 and 74. Task order 1 consisted of traffic data collection where 48-hour machine counts were taken and then analyzed to determine the AM and PM peak traffic count. Once the AM and PM peaks were determined turning movement counts were taken at selected intersections on all approaches in those hours. These results were then compiled into an appendix to summarize the results. Task order 2 includes the initial roundabout traffic report, a topographic survey, a geotechnical investigation, preliminary and final roundabout plans sets, preliminary and final drainage plan sets, and right-of-way maps. The roundabout traffic report is a comprehensive investigation and report of traffic conditions and physical characteristics for the intersection prior to beginning design. The report will include a crash analysis, vehicle volumes with classifications (collected in task order 1), a speed study, Sidra Intersection analysis, an AutoTURN analysis, an area impact analysis, and a conceptual design. Once this report is complete the design phase of the project will begin. Volkert will design drainage, lighting, and roadway plans for this project. Some of the challenges on this project will be the close proximity of Live Oaks to the intersection. These trees may qualify as significant trees in LADOTD's Significant Tree EDSM and therefore will potentially present issues to the projects design. Mitigation may include design exceptions to avoid the trees altogether or specialty items to reduce the impacts to these historic trees.

I-35 Capital Express North. Engineer Technician. The I-35 Capital Express North project proposes to add one non-tolled high-occupancy vehicle managed lane in each direction along I-35 from SH 45 North to US 290 East. The project will also reconstruct bridges, add a diverging diamond interchange at Wells Branch Parkway, add pedestrian and bicycle paths, and make additional safety and mobility improvements within the project limits. Lack of mobility on I-35 threatens the economic livelihood of our city and our state. Improvements to this area are needed due to population and employment growth, which have caused increased congestion in the area. Program overview "The I-35 Capital Express Program" comprises three projects (North, Central and South). The I-35 Capital Express North project proposes to add one non-tolled managed lane in each direction along I-35 from SH 45 North to US 290 East. Managed lanes are proposed in high-congestion areas where right of way is limited. These lanes are designed to provide a less congested route than adjacent general-purpose lanes during peak periods for qualifying vehicles. Managed lanes control access by placing restrictions on use. The project will also reconstruct six bridges, add a diverging diamond intersection at Wells Branch Parkway and make additional safety and mobility improvements within the project limits.

Prior to Joining Volkert

Huitt-Zollars Houston. Mr. Saleh's responsibilities included designing roadway and storm sewer design for various project including City of Houston Beaumont place neighborhood development, Assisting project managers in roadway design and designed storm sewer for various projects for the City of Dickinson Flood mitigation; Designing bus stop for City of Houston projects; Designing Camp Trail for City of Dallas Camp site development; Creating Plan/Profile sheets, Cross Sections, and Corridors using Civil 3D for various projects; Designing horizontal alignment and profile for roadway including the design of ramps, cross streets, driveways, and sidewalks; Designing signings and pavement marking and storm water pollution plans; Aiding project manager in designing drainage including ditches, culverts, end treatments of culverts; Managing CAAD Files for productivity

EDUCATION:

B.S., Civil Engineering, 2020

SKILLS:

- Geopak MicroStation
- Openroads Designer
- AutoCAD
- Civil 3D Designer
- MicroStation, Microsoft Office
- REVU Bluebeam.

LUTFI SALEH

Engineer Technician

and work efficiency for project manager's aid; Reviewing and evaluating proposed plans, specifications, and estimates in compliance with TxDOT design criteria and policies, and construction specifications and standards.

ILSI Engineering,, New Orleans, LA. Roadway Design, Drainage Design, Construction Manager, and Construction Inspector. Mr. Saleh's responsibilities included performing and assisting project managers in roadway design for various projects including RR035 East Riverside, Garden District, Irish Channel, St. Thomas Group A; Assisting Construction Managers on various projects for the City of New Orleans; Inspecting various projects and communicating with various contractors such as the RR008 Black Pearl FEMA funded project; Aiding project managers on drainage mitigations using AutoCAD Civil 3D; Analyzing and calculating quantity takeoffs using REVU Bluebeam for project manager's aid; Reviewing and evaluating proposed plans, specifications, and estimates in compliance with City of New Orleans design criteria and policies, and construction specifications and standards.

Southern Earth Science Lab. Lab/Site Intern. Mr. Saleh's responsibilities included working in the construction lab unit, engaging in sampling, inspecting soils and concrete; being part of a team of inspectors and other technicians, assigning work and inspecting construction results; creating materials sampling plans for all projects to ensure sampling and testing is done per state standards; training personnel in the use of the construction management Excel programs.